

## **Section 3**

# **Annual Performance Report Public Information and Appendices**

**1 July 2017 to 30 June 2018**

**Final Draft**

**30 September 2018**



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## 1 PUBLIC INFORMATION

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Condition 65 of the NDC requires Watercare make the following information publicly available and update this information when necessary:

### **General Information about the Wastewater Network**

- For general Information about the wastewater network there are links to the wastewater processes and the Mangere and Rosedale treatment plants:  
<https://www.watercare.co.nz/Water-and-wastewater>
- For information on how the wastewater system is designed, and how outflows occur, and what can be done to prevent outflows:  
<https://www.watercare.co.nz/Faults-outages/Plumbing-and-wastewater>
- Responsibility of Watercare for the wastewater network:  
<https://www.watercare.co.nz/Help-and-advice/Responsibilities>
- General information on the wastewater network and material about undertaking works in the vicinity of wastewater pipes, to help prevent accidental damage that could result in wastewater discharge:  
<https://www.watercare.co.nz/Water-and-wastewater/Building-and-developing/Working-near-our-assets>
- Information about wastewater and stormwater drainage, and the need and reasons for ensuring that service connections on properties drain into the appropriate system, including advice for property owners on how this can be achieved:  
<https://www.watercare.co.nz/Faults-outages/Plumbing-and-wastewater/How-to-prevent-overflows/Downpipes-and-gully-traps>
- Stormwater and wastewater lessons for schools:  
<https://www.watercare.co.nz/Help-and-advice/Environment-and-community/Watercare-Education-Programme/Stormwater-and-wastewater>
- Disposal of fats, oils and grease:  
<https://www.watercare.co.nz/Faults-outages/Plumbing-and-wastewater/How-to-prevent-overflows/Fats,-oils-and-grease>
- General information for private property owners who believe they may have cross-connections about how they can test for this and rectify it:  
<https://www.watercare.co.nz/CMSPages/GetAzureFile.aspx?path=~\watercarepublicweb\media\watercare-media-library\how-to-prevent-overflows\keepingyourpipesflowing.pdf&hash=849f474fbc8367d61cf213f94c3432fa9117077a1d91595b2151f850ff69a308>
- How to test for backflow and how to prevent it:  
<https://www.watercare.co.nz/Water-and-wastewater/Backflow>
- Backflow prevention and policy related to this:  
[https://www.watercare.co.nz/CMSPages/GetAzureFile.aspx?path=~\%5Cwatercarepublicweb\%5Cmedia\%5Cwatercare-media-library\%5Cbackflow\%5Cbackflow\\_prevention\\_brochure.pdf&hash=0f21aac93dc5eb509001c70d8d1d23c2a88340eb0c0a9d4605b95a8634bf629a](https://www.watercare.co.nz/CMSPages/GetAzureFile.aspx?path=~\%5Cwatercarepublicweb\%5Cmedia\%5Cwatercare-media-library\%5Cbackflow\%5Cbackflow_prevention_brochure.pdf&hash=0f21aac93dc5eb509001c70d8d1d23c2a88340eb0c0a9d4605b95a8634bf629a)

Information about the general function and operation of the wastewater network, including information about the nature of wet weather wastewater overflows and information directed at raising awareness about the potential effects on the receiving environment:

- Performance aims for wet weather overflows, sustainability measures, and projects that reduce overflows:

<https://www.watercare.co.nz/Faults-outages/Plumbing-and-wastewater/Wastewater-overflows/Wet-weather-overflows>

In addition to the above, Watercare operates a 24/7 customer call centre. Customer requests for information are logged and responded to accordingly.

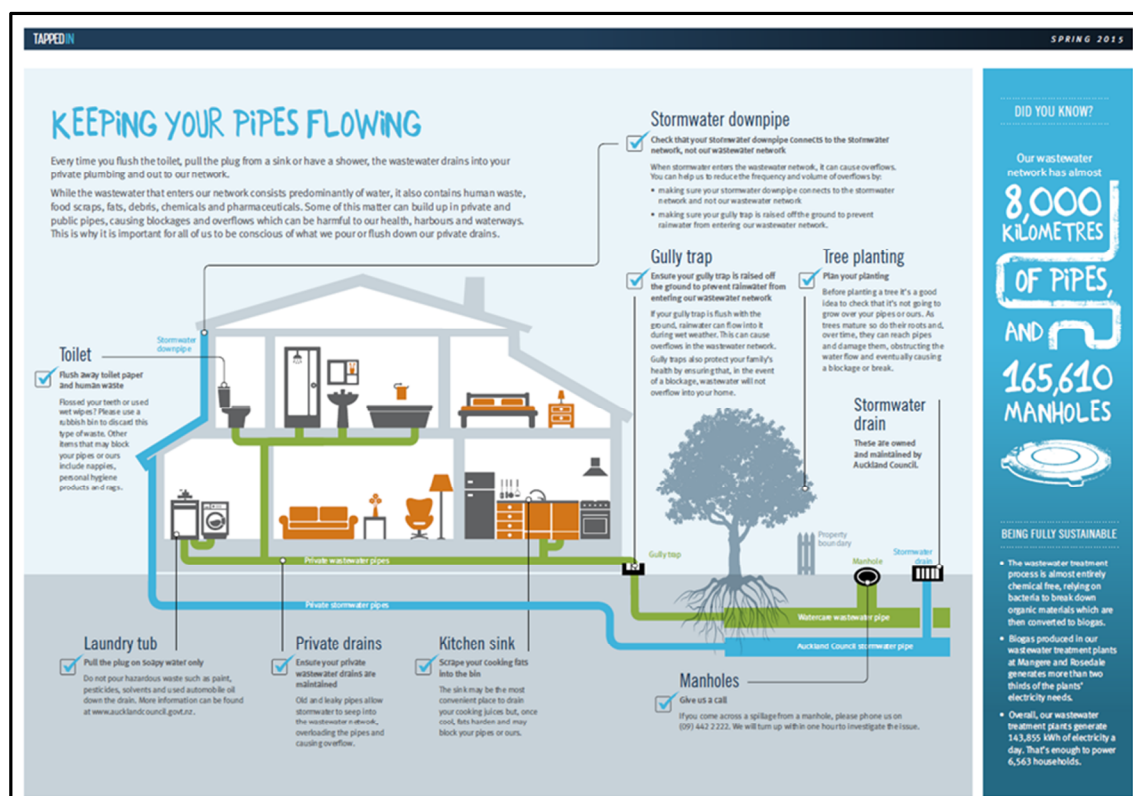
<https://www.watercare.co.nz/Faults-outages/Report-a-fault>

Work is being undertaken to educate the public on the causes of overflows and the actions private property owners can take to reduce the frequency and volume of overflows. For example, the Winter 2017 edition of the customer newsletter 'Tapped In' included an infographic covering information such as the correct way to dispose of fat and how the public affect the wastewater network. Targeted newsletters are also distributed within specific communities to educate about overflows.

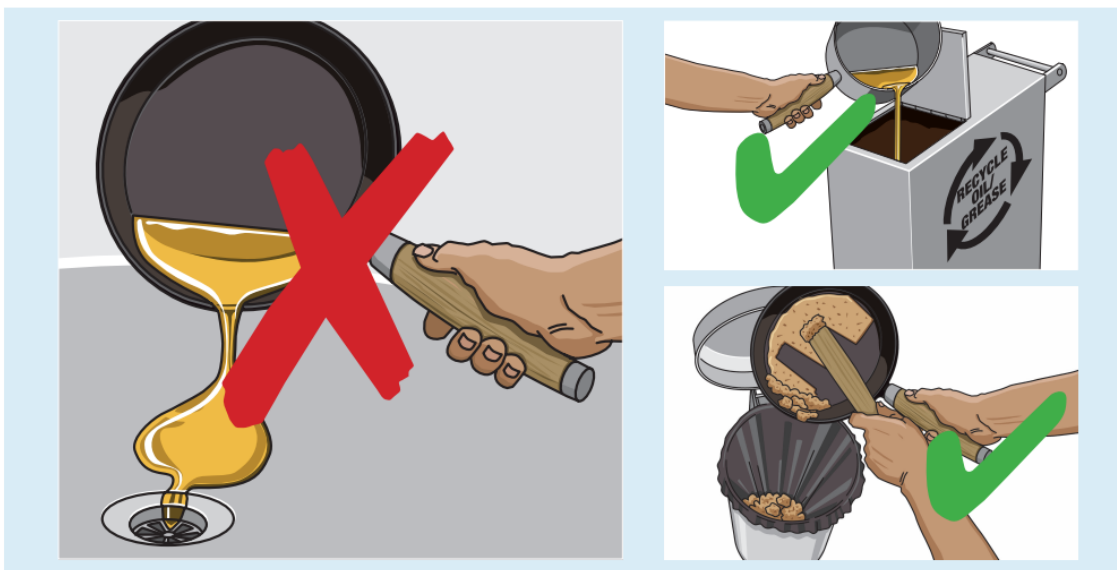
<https://www.watercare.co.nz/About-us/Reports-and-publications/Tapped-In-newsletter>

Local Boards also receive similar information as part of presentations from Watercare on responding to regional growth. These presentations focus on Watercare's infrastructure response as well as opportunities for households to assist.

Commercial food businesses in Auckland are also sent information on the importance of preventing fats, oils and greases from entering the wastewater network; with a multi-language brochure and poster.



Don't pour fats, oil or grease down the sink, drain or toilet –  
help keep Auckland clean and healthy



For more information phone 09 442 2222  
or see our website: [www.watercare.co.nz](http://www.watercare.co.nz)

**Watercare**  
An Auckland Council Organisation

## **2 TARGETED MONITORING PROGRAMME**

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Conditions 58-63 of the NDC require Watercare to develop a targeted monitoring programme to assess the recreational, public health and ecological effects of wastewater overflows. The aim of the monitoring programme is to confirm “that the application of the methodology for the assessment of effects of wet weather wastewater overflows results in an appropriate assessment of recreational, public health and ecological affects”. To do so, it was proposed to undertake a targeted monitoring programme in two stages. The objective of Stage One was to identify parameters that can be easily measured to assess the effect of overflows on the receiving environment, ideally using relatively low effort (and low cost) methods to determine parameters that should be monitored in Stage Two. These consent conditions are currently under review with Auckland Council and will be amended as necessary. Watercare and Auckland Council aim to take a joint approach to the Targeted Monitoring Programme.

### 3 REMEDIATION OF UNCONTROLLED OVERFLOWS

| Type 3 ID | Address                       | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S1        | 36 Mascot Ave, Mangere        | Private                              | <p>22 Graeme St has had a temporary controlled EOP put in to address health risks until commencement of Manukau West upgrades. In the 2016/17, this new EOP overflowed 9 times; it is noted this has been an extremely wet year. The Manukau West upgrades will continue to address this location.</p> <p>The Manukau West upgrades will start (feasibility and design) in 2017 and completion in 2022. As with Graeme St, additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.</p> |
| S2        | 36 Wedgwood Ave, Mangere East | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| S3        | 22 Graeme Ave, Mangere East   | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| S4        | 22 Royton Ave, Mangere East   | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| S5        | 68 Hain Ave, Mangere East     | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| S6        | Millhouse Reserve, Northpark  | Public                               | <p>Howick interceptor upgrade:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) phase underway.</li> <li>Planned construction 2023-2025.</li> </ul> <p>This project was in the detailed design phase in 2015 and originally planned for completion in 2017, but required additional option analysis and rescoping, which is currently underway.</p>                                                                                                                                                                                            |
| S7        | 11 Crown Cres, Otara          | Private                              | <p>Otara branch sewer / catchment upgrades:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) phase underway. Concept design includes a new storage tank and catchment diversion.</li> <li>Planned construction by 2022.</li> </ul> <p>This project was in the detailed design phase in 2015 and originally planned for completion in 2018, but required additional option analysis and re-scoping.</p>                                                                                                                                         |
| S8        | 27 Buller Cres, Manurewa      | Private                              | No further overflows have been reported at Buller Crescent, and this location is no longer considered to                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Type 3 ID | Address                                | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                       |
|-----------|----------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S9        | 46 Coxhead Rd, Manurewa                | Private                              | be a Type 3 location.<br>Note that wet weather overflows have been reported at an uncontrolled location at 64 Coxhead Road. A monitor will be installed at this location to enable rapid response; this location has been added to the Type 3 database.                                                                                                                                        |
| S11       | 19 Tuck Nathan Drive, Glen Eden (MH62) | Public                               | Construction of Glen Eden branch sewer upgrade was completed in early 2018. We will monitor the performance of this sewer branch.                                                                                                                                                                                                                                                              |
| S12       | 1 Titch Place, Glen Eden (MH63)        | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                |
| S13       | 66 Woodbank Drive, Glen Eden (MH64)    | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                |
| S14       | 17a Waikaukau Rd, Glen Eden (MH69A)    | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                |
| S15       | 24 Woodglen Rd, Glen Eden (MH79)       | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                |
| S16       | 70 Glendale Rd, Glen Eden (MH88)       | Private                              | Upper Glen Eden Storage tank optimisation project currently underway. Project due to be completed 2019                                                                                                                                                                                                                                                                                         |
| S17       | 117 Glendale Road, Glen Eden (MH93A)   | Public                               | Construction of Glen Eden branch sewer upgrade was completed in early 2018. We will monitor the performance of this sewer branch.                                                                                                                                                                                                                                                              |
| S18       | 16A Taitapu Street, Massey             | Public                               | Massey siphon upgrade project <ul style="list-style-type: none"> <li>Construction currently underway.</li> </ul> Northern interceptor project Stage 2B: <ul style="list-style-type: none"> <li>Option analysis (Feasibility) underway.</li> <li>The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.</li> </ul> |
| S19       | 14 Lowtherhurst Road, Massey,          | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                |



| Type 3 ID | Address                            | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S20       | 36 Renata Crescent, Te Atatu North | Public                               | <p>Concourse storage tank modifications complete.</p> <p>I&amp;I investigations to identify direct connections has been undertaken and notices of defective drainage issued.</p> <p>A new EOP was constructed at 22 Matipo Rd to mitigate the uncontrolled overflows in the transmission system. This was certified under the BPO process. A monitor will be installed at the EOP and Type 3 location S23. Additional planning studies are underway to provide additional mitigation to this issue location.</p> <p>Northern interceptor project Stage 2A:</p> <ul style="list-style-type: none"> <li>Planned start in 2017.</li> <li>Planned completion in 2020</li> <li>Additional works by 2024</li> </ul> <p>Northern interceptor project Stage 2B:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) underway.</li> <li>The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.</li> </ul> <p>Targeted separation has been carried out in the Newmarket area, which will significantly improve the network performance. Additional I&amp;I of separated areas will be considered.</p> <p>Branch 3 Newmarket Gully upgrade project:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) is planned within the next six year period.</li> </ul> <p>Chelsea pump station upgrade project:</p> <ul style="list-style-type: none"> <li>Option analysis (Feasibility) is underway</li> <li>Construction phase is planned to be completed by 2020.</li> </ul> <p>Annual flushing programme – underway</p> <p>Alma WWPS diversion project (formerly Forrest Hill).</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) underway, completion end of 2018</li> <li>Planned completion in 2022.</li> </ul> |
| S21       | 42 Renata Crescent, Te Atatu North | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S22       | 19 Matipo Road, Te Atatu North     | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S23       | 15 Matipo Road, Te Atatu North     | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S24       | 11 Crieff Place, Te Atatu North    | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S25       | 35 James Cook Crescent, Newmarket  | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S26       | 57 Seaview Ave, Northcote          | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S27       | 81 Selwyn Cres, Forrest Hill       | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S28       | 129a Nile Rd, Milford              | Private                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Type 3 ID | Address                       | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------|-------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S29       | 11 Montrose Tce, Mairangi Bay | Private                              | Sidmouth pump station and Mairangi Bay rising main project: <ul style="list-style-type: none"> <li>Rising main has been completed.</li> <li>Pump station upgrade is in design, planned completion is in 2019.</li> </ul>                                                                                                                                                                                                                                                                                                                                                            |
| S30       | 121A Millbrook Rd             | Public                               | Upper Glen Eden Storage tank optimisation project currently underway. Project due to be completed 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| S32       | 70 Walmsley Rd                | Public                               | Black Bridge PS discharge has been increased, with increased pipe capacity with new 525mm pipe.<br><br>The Manukau West upgrades will start (feasibility and design) in 2019 and completion in 2022 dependent on HLC development projections. As with Walmsley Road, additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.                                                                                                                                                                        |
| S35       | 261R Bairds Rd, Otara         | Public                               | Otara branch sewer / catchment upgrades: <ul style="list-style-type: none"> <li>Option analysis (feasibility) phase underway. Concept design includes a new storage tank and catchment diversion.</li> <li>Planned construction by 2022.</li> </ul> This project was in the detailed design phase in 2015 and originally planned for completion in 2018, but required additional option analysis and re-scoping.                                                                                                                                                                    |
| S36       | 50 Bairds Rd, Otara           | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| S38       | 60 Sherrybrook Place Reserve  | Public                               | Upper Glen Eden Storage tank optimisation project currently underway. Project due to be completed 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| S39       | 28D Fruitvale Road            | Public                               | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025                                                                                                                                                                                                                                                                                                                                                                          |
| S42       | Sunline Avenue Reserve        | Public                               | Concourse storage tank modifications complete.<br>PS 44 Western increased discharge rate currently being optioneered, to solve overflows upstream.<br>Northern interceptor project Stage 2A: <ul style="list-style-type: none"> <li>Planned start in 2017.</li> <li>Planned completion in 2020</li> <li>Additional works by 2024</li> </ul> Northern interceptor project Stage 2B: <ul style="list-style-type: none"> <li>Option analysis (feasibility) underway.</li> <li>The planned construction stage is still to be confirmed as faster than anticipated growth may</li> </ul> |

| Type 3 ID | Address                           | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                            |
|-----------|-----------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                                   |                                      | cause this project to be accelerated.                                                                                                                                                                                                                                                                                                               |
| S46       | 10 Hasbury Ave, Mt Eden           | Private                              | Meola Detailed Model:<br>- Options analysis to be completed (2020) to solve overflows within catchment                                                                                                                                                                                                                                              |
| S47       | 50 Vale Road, St Heliers          | Private                              | St Heliers Bay Local Wastewater Network Upgrade: <ul style="list-style-type: none"> <li>Options to be completed 2020</li> <li>Construction completed 2022</li> </ul>                                                                                                                                                                                |
| S48       | 16 Lucinda Plc, Glen Eden         | Private                              | Upper Glen Eden Storage tank optimisation project currently underway. Project due to be completed 2019                                                                                                                                                                                                                                              |
| S49       | 43 Dundale Ave, Blockhouse Bay    | Private                              | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges. |
| S50       | 3 Carlton St, Hillsborough        | Private                              | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges. |
| S51       | 4-8 Seaview Tce, Mt Albert        | Private                              | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges. |
| S52       | 68 Skipton Street, Mangere East   | Private                              | The Manukau West upgrades will start (feasibility and design) in 2019 and completion in 2022 dependent on HLC (Homes. Land. Community.) development projections. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.                                            |
| S53       | 55 McKinstry Avenue, Mangere East | Private                              | The Manukau West upgrades will start (feasibility and design) in 2019 and completion in 2022 dependent on HLC (Homes. Land. Community.) development projections. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.                                            |
| S54       | 50 Dexter Ave, Balmoral           | Private                              | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks                               |

| Type 3 ID | Address                          | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|----------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                                  |                                      | from uncontrolled discharges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| S55       | 8 Sloane St, Glen Innes          | Public                               | <p>Tamaki Options</p> <ul style="list-style-type: none"> <li>Options completed 2019</li> <li>Construction completed 2021</li> </ul> <p>Dependent on HLC (Homes. Land. Community.) development projections.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| S56       | 19a Matipo Rd                    | Public                               | <p>Concourse storage tank modifications complete.</p> <p>A new EOP has been constructed at 22 Matipo Rd to mitigate the uncontrolled overflows in the transmission system. This was certified under the BPO process. A monitor is installed at the EOP and Type 3 location S23. Additional planning studies are underway to provide additional mitigation to this issue location.</p> <p>Northern interceptor project Stage 2A:</p> <ul style="list-style-type: none"> <li>Planned start in 2017.</li> <li>Planned completion in 2020</li> <li>Additional works by 2024</li> </ul> <p>Northern interceptor project Stage 2B:</p> <ul style="list-style-type: none"> <li>Option analysis (Feasibility) underway.</li> <li>The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.</li> </ul> |
| S57       | Mangere Bridge Branch MH 01      | Public                               | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| S58       | Otara Branch Sewer MH 18         | Public                               | <p>Otara branch sewer / catchment upgrades:</p> <ul style="list-style-type: none"> <li>Option analysis (Feasibility) phase underway. Concept design includes a new storage tank and catchment diversion.</li> <li>Planned construction by 2022.</li> </ul> <p>This project was in the detailed design phase in 2015 and originally planned for completion in 2018, but required additional option analysis and re-scoping.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| S59       | Otara Branch Sewer MH 17         | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| S60       | Otara Branch Relief Sewer MH 16A | Public                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Type 3 ID | Address                            | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S61       | West Lynn Branch MH 09             | Public                               | Construction of Central Interceptor will provide pipe capacity within this area. This will allow upgrades to go ahead, and these are within the WIWQIP catchment upgrade projects. Due for completion 2025. Additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.                                                                                                                                                                                                                                                                                             |
| S62       | Whenuapai Branch Sewer MH 9        | Public                               | <p>Concourse storage tank modifications complete.</p> <p>PS 44 Western increased discharge rate currently being optioneered, to solve overflows upstream.</p> <p>Northern interceptor project Stage 2A:</p> <ul style="list-style-type: none"> <li>Planned start in 2017.</li> <li>Planned completion in 2020</li> <li>Additional works by 2024</li> </ul> <p>Northern interceptor project Stage 2B:</p> <ul style="list-style-type: none"> <li>Option analysis (Feasibility) underway.</li> <li>The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.</li> </ul> |
| S63       | Mellons Bay MH 16                  | Public                               | I&I investigation is currently being undertaken to determine major sources of I&I and programme of works to reduce excessive flows. Is to be monitored before and after to determine result of I/I reduction                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| S64       | 204 Mellons Bay Rd                 | Public                               | <p>Howick interceptor upgrade:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) phase underway.</li> <li>Planned construction 2023-2025.</li> </ul> <p>This project was in the detailed design phase in 2015 and originally planned for completion in 2017, but required additional option analysis and rescoping, which is currently underway.</p>                                                                                                                                                                                                                                                                     |
| S65       | 11 Jonathan Place                  | Public                               | <p>Business case awaiting approval. Concept design includes new pipe to increase capacity</p> <ul style="list-style-type: none"> <li>Planned construction by 2019.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S66       | Bucklands Beach Branch Sewer MH19A | Public                               | <p>Howick interceptor upgrade:</p> <ul style="list-style-type: none"> <li>Option analysis (feasibility) phase underway.</li> <li>Planned construction 2023-2025.</li> </ul> <p>This project was in the detailed design phase in 2015 and originally planned for completion in 2017, but required additional option analysis and rescoping, which is currently underway.</p>                                                                                                                                                                                                                                                                     |

| Type 3 ID | Address                           | Public/Private Receiving Environment | 2017/18 Annual Performance Report update                                                                                                                                                                                                                                                                                                                              |
|-----------|-----------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S67       | East Coast Bays Branch Sewer MH41 | Public                               | <p>Non-return valve installed in private property (49 Masterton Road) and lid sealed to stop overflows.</p> <p>Sidmouth pump station (renamed Mairangi PS) and Mairangi Bay rising main project:</p> <ul style="list-style-type: none"> <li>• Rising main has been completed.</li> <li>• Pump station upgrade is in design, planned completion is in 2019.</li> </ul> |
| S68       | Sunnybrae Branch Sewer, MH32      | Public                               | <p>An EOP is currently being applied for to remove the overflow from private property at 3 Chartwell Ave.</p> <p>Options are currently being investigated, but may require a modelling programme to determine catchment issues.</p>                                                                                                                                   |

## APPENDIX 1: SCHEDULE OF ENGINEERED OVERFLOW POINTS (EOPS) – UPDATED ON 1 JULY 2018

### Schedule 1 - Engineered Overflow Points in the Existing Network (Overflow Points potentially discharging to the CMA are highlighted in blue)

| Facility Code | Overflow ID | Volume Range | Frequency Range | Overflow Type | Catchment No | Catchment Name | Facility Name/ Description  | Address                      | Coordinates |         | Available Storage at DWF (hours <sup>1</sup> ) | Receiving Environment Name                    | Recreation Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|-----------------------------|------------------------------|-------------|---------|------------------------------------------------|-----------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                             |                              | Ref X       | Ref Y   |                                                |                                               |                  |                              |                  |                           |                |                 |
| DPWOR         | 1128        | Low          | Low             | 1             | 1            | Wellsford      | Worker Rd WWPS              | 60a Worker Road, Wellsford   | 1736279     | 5982449 |                                                | Unnamed tributary (south) of Whakapirau Creek | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPARM         | 1129        | Low          | Low             | 1             | 1            | Wellsford      | Armitage Rd WWPS            | 46 Armitage Road, Wellsford  | 1736756     | 5983193 |                                                | Unnamed tributary (north) of Whakapirau Creek | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPSHR         | 1130        | Low          | Low             | 1             | 1            | Wellsford      | School Rd WWPS              | 43 School Road, Wellsford    | 1736204     | 5983336 |                                                | Unnamed tributary (south) of Whakapirau Creek | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPCEM         | 1131        | Low          | Low             | 1             | 1            | Wellsford      | Cemetery WWPS, School Rd    | 72 School Road, Wellsford    | 1735829     | 5983542 |                                                | To land                                       |                  |                              |                  |                           |                |                 |
| DPKYH         | 1132        | Low          | Low             | 1             | 1            | Wellsford      | Kellys Hill WWPS, Rodney St | 375 Rodney Street, Wellsford | 1736377     | 5983805 |                                                | Stormwater pond (Reid Underpass)              | 3                | Very low                     | 3                | Very low                  | 2              | 2               |
| DPTHA         | 1133        | Low          | Low             | 1             | 1            | Wellsford      | Te Hana WWPS                | 310 SH1 Te Hana              | 1735648     | 5986724 |                                                | Unnamed tributary of Te Hana Creek            | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPTAU         | 1117        | Low          | Low             | 1             | 2            | Omaha          | Taumata Rd WWPS             | 83 Taumata Road, Omaha       | 1760815     | 5975465 | 4 - 8 hours                                    | To land                                       |                  |                              |                  |                           |                |                 |
| DPMRI         | 1118        | Low          | Low             | 1             | 2            | Omaha          | Mangatawhiri Rd WWPS        | 198 Mangatawhiri Road, Omaha | 1760342     | 5975363 | 4 - 8 hours                                    | To land                                       |                  |                              |                  |                           |                |                 |
| DPPOA         | 1119        | Low          | Low             | 1             | 2            | Omaha          | Paraoa Cres WWPS            | 17 Paraoa Crescent, Omaha    | 1760171     | 5975837 | 4 - 8 hours                                    | To land                                       |                  |                              |                  |                           |                |                 |
| DPKOK         | 1120        | Low          | Low             | 1             | 2            | Omaha          | Kokopu St WWPS              | 18 Kokopu Street, Omaha      | 1759899     | 5976245 | 4 - 8 hours                                    | To land                                       |                  |                              |                  |                           |                |                 |

<sup>1</sup> Available storage at Dry Weather Flow (DWF) is expressed as one of the following:  
 < 1 hour                      1 – 4 hours                      4 – 8 hours                      > 8 hours

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| Facility Code | Overflow ID | Volume Range | Frequency Range | Overflow Type | Catchment No | Catchment Name           | Facility Name/ Description | Address                                         | Coordinates |         | Available Storage at DWF (hours <sup>1</sup> ) | Receiving Environment Name                 | Recreation Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------------|----------------------------|-------------------------------------------------|-------------|---------|------------------------------------------------|--------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                          |                            |                                                 | Ref X       | Ref Y   |                                                |                                            |                  |                              |                  |                           |                |                 |
| DPBRO         | 1121        | Low          | Low             | 1             | 2            | Omaha                    | Broadlands WWPS            | 31 Omaha Drive, Omaha                           | 1759175     | 5977324 | < 1 hour                                       | To land                                    |                  |                              |                  |                           |                |                 |
| DPEGV         | 1122        | Low          | Low             | 1             | 2            | Omaha                    | Esme Grove WWPS            | 14 Esme Grove, Omaha                            | 1759663     | 5977402 | > 8 hours                                      | To land                                    |                  |                              |                  |                           |                |                 |
| DPANC         | 1123        | Low          | Low             | 1             | 2            | Omaha                    | North West Anchorage WWPS  | 41 North West Anchorage, Omaha                  | 1759169     | 5977899 | 4 - 8 hours                                    | Whangateau Harbour Beach                   | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPSUC         | 1124        | Low          | Low             | 1             | 2            | Omaha                    | Success Court WWPS         | 25 Success Court, Omaha                         | 1759430     | 5978028 | 4 - 8 hours                                    | To land                                    |                  |                              |                  |                           |                |                 |
| DPBOA         | 1125        | Low          | Low             | 1             | 2            | Omaha                    | Boat Ramp WWPS             | 223 Omaha Drive, Omaha                          | 1759333     | 5978378 | 4 - 8 hours                                    | To land                                    |                  |                              |                  |                           |                |                 |
| DPPAL         | 790         | Low          | Medium          | 1             | 3            | Warkworth                | Palmer St WWPS             | 44 Whitaker Road, Warkworth                     | 1748873     | 5970256 | < 1 hour                                       | Mahurangi River                            | 2                | Low                          | 1                | Moderate                  | 1              | 1               |
| DPLIL         | 1258        | Low          | Low             | 1             | 3            | Warkworth                | Lilburn St WWPS            | 1 Bertram St, Warkworth                         | 1749735     | 5970349 | 1 - 4 hours                                    | Stormwater pond (Lucy Moore Memorial Park) | 3                | 0                            | 3                | 0                         | 2              | 1               |
|               | 1540        | Medium       | Medium          | 2             | 3            | Warkworth                | Elizabeth St               | 1 Elizabeth St, Warkworth                       | 1748974     | 5970714 | -                                              | Unnamed tributary (4) of Mahurangi River   | 3                | Low                          | 2                | High                      | 1              | 1               |
| DPMBC         | 1101        | Low          | Low             | 1             | 4            | Snells Beach/ Algies Bay | Martins Bay Camp WWPS      | Martins Bay Recreational Reserve, Martin's Bay  | 1758060     | 5964849 | 1 - 4 hours                                    | Martins Bay Beach                          | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPWLI         | 1103        | Low          | Low             | 1             | 4            | Snells Beach/ Algies Bay | Willjames WWPS             | 91 Willjames Ave, Algies Bay                    | 1756803     | 5966064 | > 8 hours                                      | Unnamed stream (flowing to Algies Bay)     | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPBTE         | 1104        | Low          | Low             | 1             | 4            | Snells Beach/ Algies Bay | Brigitte View WWPS         | 33 Brigitte View, Snells Beach                  | 1754836     | 5967070 | > 8 hours                                      | Stormwater pond (Brigitte View Road)       | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPALE         | 1105        | Low          | Low             | 1             | 4            | Snells Beach/ Algies Bay | Alexander WWPS             | Alexander Road Recreational Reserve, Algies Bay | 1756431     | 5966439 | 4 - 8 hours                                    | Algies Bay Beach                           | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPDAL         | 1106        | Low          | Low             | 1             | 4            | Snells Beach/ Algies Bay | Dalton WWPS                | 11 Dalton Road, Snells Beach                    | 1755189     | 5967762 | 4 - 8 hours                                    | Snells Beach                               | 1                | Low                          | 2                | Very low                  | 1              | 1               |



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| Facility Code | Overflow ID | Volume Range | Frequency Range | Overflow Type | Catchment No | Catchment Name          | Facility Name/Description | Address                                         | Coordinates |         | Available Storage at DWF (hours <sup>1</sup> ) | Receiving Environment Name                         | Recreation Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|--------------|-----------------|---------------|--------------|-------------------------|---------------------------|-------------------------------------------------|-------------|---------|------------------------------------------------|----------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                         |                           |                                                 | Ref X       | Ref Y   |                                                |                                                    |                  |                              |                  |                           |                |                 |
| DPCNL         | 1107        | Low          | Low             | 1             | 4            | Snells Beach/Algies Bay | Cornell Circle WWPS       | 31 Cornell Circle, Snell's Beach                | 1754548     | 5967539 | > 8 hours                                      | Northern arm of Mahurangi Harbour (Cornell Circle) | 2                | Very low                     | 1                | Very low                  | 2              | 1               |
| DPTMT         | 1109        | Low          | Low             | 1             | 4            | Snells Beach/Algies Bay | Tamatea WWPS              | Ariki Drive Recreational Reserve, Snell's Beach | 1755024     | 5968434 | > 8 hours                                      | Snells Beach                                       | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPRGH         | 1110        | Low          | Low             | 1             | 4            | Snells Beach/Algies Bay | Riverleigh WWPS           | 26 Riverleigh Drive, Snell's Beach              | 1754283     | 5968777 | 4 - 8 hours                                    | Stormwater pond (Riverleigh Drive)                 | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPSNB         | 1111        | Low          | Low             | 1             | 4            | Snells Beach/Algies Bay | Sunburst WWPS             | 32 Schooner Avenue, Snells Beach                | 1755042     | 5968975 | 4 - 8 hours                                    | Snells Beach                                       | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPMRN         | 1134        | Low          | Low             | 1             | 4            | Snells Beach/Algies Bay | Mariners Grove WWPS       | 47 Mariners Grove, Algies Bay                   | 1756165     | 5966812 | 1 - 4 hours                                    | Algies Bay Beach                                   | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPWAC         | 1098        | Low          | Low             | 1             | 5            | Waiwera                 | Waiwera Camp WWPS         | 52 The Strand, Waiwera                          | 1752910     | 5954269 | > 8 hours                                      | To land                                            |                  |                              |                  |                           |                |                 |
| DPWWR         | 1099        | Low          | Low             | 1             | 5            | Waiwera                 | Waiwera Town WWPS         | 26 Waiwera Road, Waiwera                        | 1752701     | 5954288 | 4 - 8 hours                                    | Waiwera Estuary                                    | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWER         | 1100        | Low          | Low             | 1             | 5            | Waiwera                 | Weranui Rd WWPS           | 91 Weranui Rd, Waiwera                          | 1751711     | 5954556 | 4 - 8 hours                                    | Unknown                                            | 0                |                              | 0                |                           | 0              | 0               |
| DPKOW         | 1090        | Low          | Low             | 1             | 6            | Helensville             | Kowhai WWPS               | 39 Kowhai Street, Helensville                   | 1729564     | 5939266 | 1 - 4 hours                                    | Kaipara River                                      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPMIL         | 1092        | Low          | Low             | 1             | 6            | Helensville             | Mill WWPS                 | 43 Mill Road, Helensville                       | 1729166     | 5939746 | > 8 hours                                      | Kaipara River                                      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPMRO         | 1093        | Low          | Low             | 1             | 6            | Helensville             | Miro WWPS                 | Cnr Stewart Street & Miro Street, Helensville   | 1730036     | 5940548 | 4 - 8 hours                                    | Awaroa Stream                                      | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPPAI         | 1096        | Low          | Low             | 1             | 6            | Helensville             | Parakai WWPS              | Parakai Reserve Parakai Reserve, Parakai        | 1728479     | 5941816 | 1 - 4 hours                                    | Kaipara River                                      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPCIC         | 1097        | Low          | Low             | 1             | 6            | Helensville             | Chic Gardens WWPS         | 5 Chic Gardens, Parakai                         | 1727990     | 5941774 | 4 - 8 hours                                    | Kaipara River                                      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |

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| Facility Code | Overflow ID | Volume Range | Frequency Range | Overflow Type | Catchment No | Catchment Name | Facility Name/Description | Address                                 | Coordinates |         | Available Storage at DWF (hours <sup>1</sup> ) | Receiving Environment Name                      | Recreation Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|---------------------------|-----------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                           |                                         | Ref X       | Ref Y   |                                                |                                                 |                  |                              |                  |                           |                |                 |
| DPOUT         | 1094        | Low          | Low             | 1             | 6            | Helensville    | Outfall WWPS              | 45 Kaipara Coastal Highway, Helensville | 1729598     | 5941489 | 1 - 4 hours                                    | Kaipara River                                   | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPSPR         | 1095        | Low          | Low             | 1             | 6            | Helensville    | Springs Rd WWPS           | 79 Springs Road, Parakai                | 1728743     | 5942088 | 1 - 4 hours                                    | Kaipara River                                   | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHAT         | 803         | Low          | Low             | 1             | 7            | Orewa          | Hatfields Beach WWPS      | Hatfields Bay Domain, Hatfields Beach   | 1751471     | 5952039 | 4 - 8 hours                                    | Otanerua stream                                 | 2                | Moderate                     | 2                | Moderate                  | 2              | 2               |
| DPLKE         | 807         | Low          | Low             | 1             | 7            | Orewa          | Lakeside WWPS             | 3 Judd Place, Orewa                     | 1750555     | 5949169 | 4 - 8 hours                                    | Orewa river estuary                             | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRVS         | 814         | Low          | Low             | 1             | 7            | Orewa          | Riverside Rd WWPS         | 39 Riverside Road, Orewa                | 1751377     | 5949184 | 1 - 4 hours                                    | Unnamed tributary of Orewa river estuary (east) | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPTER         | 819         | Low          | Low             | 1             | 7            | Orewa          | Terminal WWPS             | Western Reserve, Orewa                  | 1751841     | 5948263 | 1 - 4 hours                                    | Orewa river estuary                             | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPJEL         | 1255        | Low          | Low             | 1             | 7            | Orewa          | Jelas Rd WWPS             | 7 Matija Place, Orewa                   | 1750612     | 5947630 | > 8 hours                                      | Southern arm of Orewa river estuary             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPORE         | 1259        | Medium       | Low             | 1             | 7            | Orewa          | Orewa WWPS                | 228 Millwater Parkway, Silverdale       | 1750231     | 5948366 | > 8 hours                                      | Orewa river estuary                             | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPFLO         | 1262        | Low          | Low             | 1             | 7            | Orewa          | Florence Ave WWPS         | 329 Hibiscus Coast Highway, Orewa       | 1751627     | 5949864 | > 8 hours                                      | To land                                         |                  |                              |                  |                           |                |                 |
| DPTAP         | 1265        | Low          | Low             | 1             | 7            | Orewa          | Tauranga Place WWPS       | 31 Tauranga Place, Orewa                | 1749815     | 5949155 | 1 - 4 hours                                    | Northern arm of Orewa river estuary             | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPMAY         | 1266        | Low          | Low             | 1             | 7            | Orewa          | Maygrove WWPS             | 11 Settlers Grove, Orewa                | 1750884     | 5948748 | 4 - 8 hours                                    | Orewa river estuary                             | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPORB         | 1269        | Low          | Low             | 1             | 7            | Orewa          | Orewa Bridge, WWPS        | 212 Hibiscus Coast Highway, Orewa       | 1751733     | 5948109 | 4 - 8 hours                                    | Orewa river estuary                             | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBLU         | 795         | Low          | Low             | 1             | 8            | Weiti          | Blue Gum WWPS             | 1 Blue Gum Avenue, Silverdale           | 1750151     | 5945974 | 4 - 8 hours                                    | Weiti River                                     | 2                | Very low                     | 2                | Very low                  | 2              | 2               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|---------------------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                                   | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| DPDUC         | 798         | Low          | Low             | 1             | 8            | Weiti          | Duck Creek WWPS            | 45 Duck Creek Road, Stillwater                    | 1753512     | 5943950 | 4 - 8 hours                                    | Weiti Estuary                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPFOU         | 801         | Low          | Low             | 1             | 8            | Weiti          | Foundry WWPS               | 84 Foundry Road, Silverdale                       | 1750481     | 5945927 | > 8 hours                                      | Weiti River                         | 2                | Very low                     | 2                | Very low                  | 2              | 2               |
| DPKKC         | 806         | Low          | Low             | 1             | 8            | Weiti          | Karaka Cove WWPS           | 37 Matheson Road, Red Beach                       | 1752983     | 5946501 | 4 - 8 hours                                    | Unnamed Stream (Karaka Cove)        | 2                | Moderate                     | 3                | Very low                  | 2              | 2               |
| DPPOP         | 812         | Low          | Low             | 1             | 8            | Weiti          | Poplar WWPS                | 23 Poplar Road, Stanmore Bay                      | 1753119     | 5945996 | > 8 hours                                      | Weiti Estuary                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPSTW         | 817         | Low          | Low             | 1             | 8            | Weiti          | Stillwater WWPS            | 1 Duck Creek Road, Stillwater                     | 1753777     | 5943819 | > 8 hours                                      | Weiti Estuary                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWAD         | 821         | Low          | Low             | 1             | 8            | Weiti          | Wade River WWPS            | 249 Wade River Road, Wade Heads                   | 1754566     | 5943378 | > 8 hours                                      | Weiti Estuary                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWEI         | 822         | Low          | Medium          | 1             | 8            | Weiti          | Weiti WWPS                 | 178 Foundry Road, Silverdale                      | 1751093     | 5946091 | 4 - 8 hours                                    | Weiti River                         | 2                | Low                          | 2                | Low                       | 2              | 2               |
| DPCOA         | 1267        | Low          | Low             | 1             | 8            | Weiti          | Coastal Heights WWPS       | 137 Duck Creek Road, Stillwater                   | 1753122     | 5944039 | 4 - 8 hours                                    | Weiti Estuary                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPARK         | 793         | Low          | Low             | 1             | 9            | Whangaparaoa   | Arkles Bay WWPS            | 13 Arkles Strand, Arkles Bay                      | 1756363     | 5943642 | 4 – 8 hours                                    | Arkles Bay Beach                    | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPBAY         | 794         | Low          | Medium          | 1             | 9            | Whangaparaoa   | Bay St WWPS                | 45A, Walton Street, Red Beach                     | 1752454     | 5947838 | 1 - 4 hours                                    | Unnamed stream flowing to Red Beach | 3                | Low                          | 2                | High                      | 2              | 1               |
| DPCHE         | 796         | Low          | Low             | 1             | 9            | Whangaparaoa   | Chelverton WWPS            | Chelverton Reserve, Chelverton Terrace, Red Beach | 1753109     | 5947276 | 4 - 8 hours                                    | Red Beach                           | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPCOO         | 797         | Low          | Low             | 1             | 9            | Whangaparaoa   | Cooper WWPS                | Cooper - Lea Reserve, Cooper Road, Stanmore Bay   | 1754577     | 5945971 | 4 - 8 hours                                    | Stanmore Bay Beach                  | 1                | Low                          | 2                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|------------------------------------------------|-------------|---------|------------------------------------------------|--------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                                | Ref X       | Ref Y   |                                                |                                |                  |                              |                  |                           |                |                 |
| DPDUN         | 800         | Low          | Low             | 1             | 9            | Whangaparaoa   | Duncansby WWPS             | 37 Duncansby Road, Stanmore Bay                | 1753905     | 5946809 | > 8 hours                                      | Puawai Bay Beach               | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPGLG         | 802         | Medium       | Medium          | 1             | 9            | Whangaparaoa   | Glenelg WWPS               | Glenelg Reserve, Chelverton Terrace, Red Beach | 1753327     | 5946967 | 1 - 4 hours                                    | Puawai Bay Beach               | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| DPHBB         | 804         | Low          | Low             | 1             | 9            | Whangaparaoa   | Hobbs Bay WWPS             | 67 Gulf Harbour Drive, Gulf Harbour            | 1760277     | 5946490 | 1 - 4 hours                                    | Laurie Southwick Parade Stream | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPHUR         | 805         | Low          | Low             | 1             | 9            | Whangaparaoa   | Hurdlow WWPS               | 9C, Melandra Road, Stanmore bay                | 1756371     | 5945296 | > 8 hours                                      | Swann Beach                    | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPLIT         | 808         | Low          | Low             | 1             | 9            | Whangaparaoa   | Little Manly WWPS          | 9 South Avenue, Manly                          | 1757667     | 5944064 | > 8 hours                                      | Little Manly Beach             | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPMLY         | 809         | Low          | Low             | 1             | 9            | Whangaparaoa   | Manly WWPS                 | The Esplanade, Brown Street, Manly             | 1757892     | 5945140 | 1 - 4 hours                                    | Big Manly Beach                | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPMIA         | 810         | Low          | Low             | 1             | 9            | Whangaparaoa   | Matakatia WWPS             | 34 Matakatia Parade, Matakatia                 | 1758535     | 5945370 | > 8 hours                                      | Matakatia Bay Beach            | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPOKO         | 811         | Low          | Low             | 1             | 9            | Whangaparaoa   | Okoromai WWPS              | 94 Shakespear Road, Okoromai Bay               | 1761709     | 5947127 | > 8 hours                                      | Okoromai Bay Beach             | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPPUA         | 813         | Low          | Low             | 1             | 9            | Whangaparaoa   | Puawai Bay WWPS            | 24 Whale Cove, Red Beach                       | 1753520     | 5946836 | 4 - 8 hours                                    | Puawai Bay Beach               | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPSIE         | 815         | Low          | Low             | 1             | 9            | Whangaparaoa   | Siesta WWPS                | 26 Siesta Terrace, Gulf harbour                | 1759524     | 5947516 | > 8 hours                                      | Coal Mine Bay Beach            | 1                | Low                          | 2                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|---------------------------|-----------------------------------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                           |                                                                 | Ref X       | Ref Y   |                                                |                                           |                  |                              |                  |                           |                |                 |
| DPSTA         | 816         | Low          | Low             | 1             | 9            | Whangaparaoa   | Stanmore WWPS             | 177 Brightside Road, Stanmore Bay                               | 1755844     | 5945025 | > 8 hours                                      | Unnamed stream flowing to Stanmore Bay    | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPSWB         | 818         | Low          | Low             | 1             | 9            | Whangaparaoa   | Swann Beach WWPS          | Hurdlow Place Esplanade Reserve, Swann Beach Road, Stanmore Bay | 1756260     | 5945606 | > 8 hours                                      | Swann Beach                               | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPTDL         | 820         | Low          | Low             | 1             | 9            | Whangaparaoa   | Tindalls WWPS             | 42B, Tindalls Bay Road, Tindalls Beach                          | 1758411     | 5945990 | 1 - 4 hours                                    | Tindalls Beach                            | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPPIN         | 1256        | Low          | Low             | 1             | 9            | Whangaparaoa   | Pine Crest WWPS           | 180 Gulf Harbour Drive, Gulf Harbour                            | 1760549     | 5944898 | 4 - 8 hours                                    | Stormwater pond-Gulf Harbour Country Club | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPPAC         | 1260        | Low          | Low             | 1             | 9            | Whangaparaoa   | Pacific Parade WWPS       | Pacific Parade Coastal Reserve, Pacific Parade, Army Bay        | 1761402     | 5947736 | > 8 hours                                      | Army Bay Beach                            | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPISV         | 1263        | Low          | Low             | 1             | 9            | Whangaparaoa   | Island View WWPS          | 29 Island View Drive, Okoromai Bay                              | 1761439     | 5946344 | 4 - 8 hours                                    | Okoromai Bay Beach                        | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPROB         | 1272        | Low          | Low             | 1             | 9            | Whangaparaoa   | Roberts Road WWPS         | Lot 200 DP 205511 Laguna Place, Hobbs Bay                       | 1759521     | 5945805 | 4 - 8 hours                                    | Laurie Southwick Parade Stream            | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| -             | 831         | Low          | Low             | 2             | 10           | Long Bay       | 97 Awaruku Rd             | 97 Awaruku Road, Long Bay                                       | 1755672     | 5937545 | -                                              | Awaruku Creek                             | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 832         | Low          | Low             | 2             | 10           | Long Bay       | 47 Glenvar Road           | 47 Glenvar Road, Torbay                                         | 1755797     | 5937747 | -                                              | Awaruku Creek                             | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |

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|               |             |              |                 |               |              |                 |                                      |                                    | Ref X       | Ref Y   |                                                |                                         |                  |                              |                  |                           |                |                 |
| -             | 850         | Low          | Low             | 2             | 10           | Long Bay        | 14 Battenburg Place                  | 14 Battenburg Place, Torbay        | 1755476     | 5937398 | -                                              | Awaruku Creek                           | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| DPDEB         | 1228        | Low          | Low             | 1             | 10           | Long Bay        | Deborah WWPS                         | 10 Okura River Road, Okura         | 1753490     | 5939800 | 4 - 8 hours                                    | Okura Estuary                           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPOKU         | 1235        | Low          | Low             | 1             | 10           | Long Bay        | Okura WWPS                           | R43 Okura River Road, Okura        | 1753878     | 5939934 | 4 - 8 hours                                    | Okura Estuary                           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLGB         | 1404        | Low          | Low             | 1             | 10           | Long Bay        | Long Bay WWPS                        | 1096 Beach Road, Long Bay          | 1756398     | 5937991 | > 8 hours                                      | Awaruku Creek                           | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| DPOKR         | 1578        | Low          | Low             | 1             | 10           | Long Bay        | Okura River Rd WWPS                  | 278 Okura River Road, Long Bay     | 1753948     | 5937792 | > 8 hours                                      | Unnamed tributary (1) to Vaughan Stream | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 834         | Low          | Medium          | 2             | 11           | East Coast Bays | Network overflow                     | 28 Penning Road, Milford           | 1757130     | 5929535 |                                                | Unnamed tributary of Wairau Creek       | 3                | Low                          | 2                | High                      | 2              | 1               |
| -             | 835         | Low          | Medium          | 2             | 11           | East Coast Bays | Network overflow                     | 3 Sidmouth Road, Mairangi Bay      | 1756665     | 5932586 |                                                | Mairangi Bay Stream                     | 3                | Low                          | 2                | High                      | 2              | 2               |
| DPALM         | 853         | Low          | Low             | 1             | 11           | East Coast Bays | Alma WWPS                            | 47 Shakespeare Road, Takapuna      | 1757153     | 5928865 | < 1 hour                                       | Wairau Stream                           | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPSI1         | 854         | Medium       | Medium          | 1             | 11           | East Coast Bays | Sidmouth WWPS (overflow point north) | R16 Brighton Terrace, Mairangi Bay | 1756723     | 5932997 | < 1 hour                                       | Mairangi Bay                            | 1                | High                         | 2                | Moderate                  | 2              | 1               |
| DPSI1         | 855         | High         | Medium          | 1             | 11           | East Coast Bays | Sidmouth WWPS (overflow point south) | 52 Whitby Crescent, Mairangi Bay   | 1757051     | 5932383 | < 1 hour                                       | Mairangi Bay                            | 1                | High                         | 2                | High                      | 2              | 1               |
| DPBRB         | 869         | Low          | Low             | 1             | 11           | East Coast Bays | Browns Bay WWPS                      | 5 browns Bay Rd, Browns Bay        | 1756183     | 5935040 | 4 - 8 hours                                    | To land                                 |                  |                              |                  |                           |                |                 |
| DPCBY         | 871         | Low          | Medium          | 1             | 11           | East Coast Bays | Castor Bay WWPS                      | 1b, The Esplanade, Castor Bay      | 1757736     | 5930443 | 1 - 4 hours                                    | Castor Bay Stream                       | 3                | Low                          | 3                | Low                       | 1              | 2               |
| DPKIL         | 909         | Low          | Low             | 1             | 11           | East Coast Bays | Killarney WWPS                       | R39 Killamey Street, Takapuna      | 1757653     | 5927412 | 4 - 8 hours                                    | Lake Pupuke                             | 1                | Low                          | 1                | Low                       | 1              | 1               |

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|               |             |              |                 |               |              |                 |                            |                                   | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPLAK         | 910         | Low          | Low             | 1             | 11           | East Coast Bays | Lake View WWPS             | 45 Lake View Road, Takapuna       | 1757149     | 5927609 | 4 - 8 hours                                    | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPPRO         | 911         | Low          | Low             | 1             | 11           | East Coast Bays | Promenade WWPS             | 36 Manurere Ave, Takapuna         | 1758062     | 5927759 | > 8 hours                                      | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPSHE         | 912         | Low          | Low             | 1             | 11           | East Coast Bays | Shea Hospital WWPS         | 132 Shakespeare Road, Takapuna    | 1756975     | 5928012 | 1 - 4 hours                                    | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPHM3         | 913         | Low          | Low             | 1             | 11           | East Coast Bays | Hurstmere 3 WWPS           | 244 Hurstmere Road, Takapuna      | 1758188     | 5928064 | > 8 hours                                      | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPHM2         | 914         | Low          | Low             | 1             | 11           | East Coast Bays | Hurstmere 2 WWPS           | 294 Hurstmere Road, Takapuna      | 1758285     | 5928253 | > 8 hours                                      | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPHM1         | 915         | Low          | Low             | 1             | 11           | East Coast Bays | Hurstmere 1 WWPS           | 312 Hurstmere Road, Takapuna      | 1758340     | 5928365 | 4 - 8 hours                                    | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPERI         | 916         | Low          | Low             | 1             | 11           | East Coast Bays | Eric Place WWPS            | 41128 Eric Price Avenue, Takapuna | 1758248     | 5928503 | > 8 hours                                      | Lake Pupuke                | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPONA         | 918         | Low          | Low             | 1             | 11           | East Coast Bays | Omana WWPS                 | 5 Omana Road, Milford             | 1757690     | 5929393 | > 8 hours                                      | Wairau Creek               | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| DPGYS         | 938         | Low          | Low             | 1             | 11           | East Coast Bays | Gray WWPS                  | 10 Gray Cr, Torbay                | 1756934     | 5937225 | 1 - 4 hours                                    | Winstones Cove             | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPBLA         | 947         | Medium       | Medium          | 1             | 11           | East Coast Bays | Black Rock WWPS            | R21 Tiri Road, Takapuna           | 1758510     | 5928571 | 1 - 4 hours                                    | Thorne Bay                 | 2                | High                         | 1                | Moderate                  | 1              | 1               |
| SSSIL, DPWAU  | 951         | Medium       | Medium          | 1             | 11           | East Coast Bays | Silverfield Storage Tank   | R21 Northcote Road, Glenfield     | 1755753     | 5927979 | 4 - 8 hours                                    | Wairau Stream              | 3                | Low                          | 3                | Low                       | 2              | 1               |
| DPCRA         | 1227        | Low          | Low             | 1             | 11           | East Coast Bays | Craig Road WWPS            | 24 Craig Road, Milford            | 1757633     | 5929593 | 4 - 8 hours                                    | Wairau Creek               | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| DPBE2         | 1229        | Low          | Low             | 1             | 11           | East Coast Bays | Beach 2 (Torbay) WWPS      | 948 Beach Road, Torbay            | 1756445     | 5936777 | 4 - 8 hours                                    | Deep Creek                 | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |

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|               |             |              |                 |               |              |                     |                                 |                                                   | Ref X       | Ref Y   |                                                |                                        |                  |                              |                  |                           |                |                 |
| DPBE2         | 1236        | Low          | Low             | 1             | 11           | East Coast Bays     | Beach 1 WWPS                    | R7 The Esplanade, Castor Bay                      | 1757474     | 5931022 | 1 - 4 hours                                    | Beach at Kennedy Park                  | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPCHU         | 1237        | Low          | Low             | 1             | 11           | East Coast Bays     | Churchill Road WWPS             | 57 Churchill Road, Murrays Bay                    | 1756699     | 5933919 | 1 - 4 hours                                    | Churchill Coast                        | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPPTL         | 1238        | Low          | Low             | 1             | 11           | East Coast Bays     | Portal Place WWPS               | R5 Portal Place, Murrays Bay                      | 1756864     | 5933627 | 4 - 8 hours                                    | Churchill Coast                        | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPRO2         | 1239        | Low          | Low             | 1             | 11           | East Coast Bays     | Rock Isle Rd 2 WWPS             | 57 Rock Isle Road, Torbay                         | 1756715     | 5936801 | > 8 hours                                      | Waiake Beach                           | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPCLI         | 1240        | Low          | Low             | 1             | 11           | East Coast Bays     | Cliff Road WWPS                 | 80 Cliff Road, Torbay                             | 1757281     | 5937410 | 4 - 8 hours                                    | Toroa Point                            | 1                | Low                          | 2                | Very low                  | 2              | 1               |
|               | 1576        | Medium       | Low             | 2             | 11           | East Coast Bays     | 16 Jutland St                   | 16 Jutland St, Mairangi Bay                       | 1756196     | 5932826 | -                                              | Unnamed watercourse off Jutland Street | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | 848         | Low          | Medium          | 2             | 12           | Devonport/ Takapuna | 1 Old Lake Road                 | 1 Old Lake Road, Narrow Neck                      | 1760613     | 5924477 | -                                              | Narrow Neck Beach                      | 1                | Moderate                     | 1                | Low                       | 1              | 1               |
| DPSN2         | 859         | Low          | Low             | 1             | 12           | Devonport/ Takapuna | Stanley Point 2 WWPS            | R147 Stanley Bay Park, Stanley Bay                | 1758845     | 5922902 | 4 - 8 hours                                    | To land                                |                  |                              |                  |                           |                |                 |
| DPNRO         | 860         | High         | Medium          | 1             | 12           | Devonport/ Takapuna | Northboro WWPS                  | 6 St Leonards Road, Devonport                     | 1759994     | 5925810 | < 1 hour                                       | St Leonards Beach                      | 1                | High                         | 1                | High                      | 1              | 1               |
| DPKED         | 879         | Low          | Low             | 1             | 12           | Devonport/ Takapuna | King Edward Parade WWPS         | Windsor Reserve, King Edward Parade, Devonport    | 1760320     | 5922221 | 1 - 4 hours                                    | Devonport Beach                        | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPSFE         | 886         | Low          | Low             | 1             | 12           | Devonport/ Takapuna | Seacliffe WWPS                  | 28 Seacliffe Avenue, Belmont                      | 1760156     | 5925212 | 4 - 8 hours                                    | Seacliffe Coast                        | 2                | Low                          | 1                | Very low                  | 1              | 1               |
| DSKED         | 949         | High         | Medium          | 1             | 12           | Devonport/ Takapuna | King Edward Parade Storage Tank | North Head Reserve, King Edward Parade, Devonport | 1761724     | 5922618 | > 8 hours                                      | North Head                             | 2                | High                         | 1                | High                      | 1              | 1               |



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|               |             |              |                 |               |              |                    |                           |                                      | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPAAW         | 1226        | Low          | Low             | 1             | 12           | Devonport/Takapuna | Arawa WWPS                | 6 Arawa Avenue, Cheltenham Beach     | 1761086     | 5923458 | 4 - 8 hours                                    | Cheltenham Beach           | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| -             | 829         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 28 Waitemata Road, Hauraki Corner    | 1758606     | 5925415 |                                                | Shoal Bay                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLNO         | 830         | Low          | Low             | 1             | 13           | Shoal Bay          | Lake Northcote WWPS       | 14 Matanui St, Northcote             | 1755780     | 5924800 | 1 - 4 hours                                    | Onepoto Stream             | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 836         | Low          | Medium          | 2             | 13           | Shoal Bay          | Network overflow          | 24 Patuone Place, Devonport          | 1759907     | 5922974 |                                                | Ngataranga Bay             | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 837         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 10 Charles St, Takapuna              | 1757966     | 5925882 |                                                | Shoal Bay                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 838         | Low          | Medium          | 2             | 13           | Shoal Bay          | Network overflow          | 39 Kiwi Road, Devonport              | 1759655     | 5922922 |                                                | Ngataranga Bay             | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 839         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 51 Plymouth Cres, Devonport          | 1759069     | 5924212 |                                                | Ngataranga Bay             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 840         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 44 William Bond St, Devonport        | 1759519     | 5922963 |                                                | Ngataranga Bay             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 841         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 14 Denby Lane, Northcote Point       | 1755886     | 5924236 |                                                | Onepoto Stream             | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 842         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 48 Richmond Ave, Northcote Point     | 1755768     | 5924278 |                                                | Onepoto Stream             | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 843         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 52 Richmond Ave, Northcote           | 1755722     | 5924297 |                                                | Onepoto Stream             | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 846         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 26 Waratah Street, Birkenhead        | 1754165     | 5925196 |                                                | Waiurutoa Stream           | 2                | Moderate                     | 1                | High                      | 1              | 1               |
| -             | 847         | Low          | Low             | 2             | 13           | Shoal Bay          | Network overflow          | 66 Stanley Point Road, Stanley Point | 1758289     | 5922793 |                                                | Ngataranga Bay             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |

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|               |             |              |                 |               |              |                |                           |                                          | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| DPSEA         | 849         | Low          | Low             | 1             | 13           | Shoal Bay      | Seabreeze WWPS            | 34 Seabreeze Road, Devonport             | 1760347     | 5924112 | 1 - 4 hours                                    | Ngataringa Stream                   | 2                | Moderate                     | 3                | Very low                  | 2              | 1               |
| -             | 851         | Low          | Low             | 2             | 13           | Shoal Bay      | Network overflow          | 1 Kauri Glen Road, Birkenhead            | 1754771     | 5925081 |                                                | Waiurutoa Stream                    | 2                | Moderate                     | 1                | High                      | 1              | 1               |
| DPBRP         | 852         | Low          | Low             | 1             | 13           | Shoal Bay      | Barrys Point WWPS         | 87 Barrys Point Road, Takapuna           | 1757482     | 5926320 | 1 - 4 hours                                    | Shoal Bay                           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPSN1         | 857         | Low          | Low             | 1             | 13           | Shoal Bay      | Stanley Point 1 WWPS      |                                          | 1758097     | 5922775 |                                                | To land                             |                  |                              |                  |                           |                |                 |
| DPSUL         | 861         | Low          | Medium          | 1             | 13           | Shoal Bay      | Sulphur Beach WWPS)       | 5 Sulphur Beach Road, Northcote Point    | 1755974     | 5923663 | > 8 hours                                      | Shoal Bay                           | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPMNI         | 863         | High         | Medium          | 1             | 13           | Shoal Bay      | Maunganui WWPS            | R28 Palmerston Road, Birkenhead          | 1754257     | 5923750 | 1 - 4 hours                                    | Chelsea Bay                         | 1                | High                         | 2                | High                      | 1              | 1               |
| DPEWE         | 880         | Low          | Low             | 1             | 13           | Shoal Bay      | Ewen Alison WWPS          | 43 Ewen Alison Avenue, Devonport         | 1759853     | 5922893 | > 8 hours                                      | Ngataringa Bay                      | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLDE         | 881         | Low          | Low             | 1             | 13           | Shoal Bay      | Lake Devonport WWPS       | R29 Lake Road, Devonport                 | 1760158     | 5923377 | > 8 hours                                      | To land                             |                  |                              |                  |                           |                |                 |
| DPNOD         | 883         | Low          | Low             | 1             | 13           | Shoal Bay      | Norwood WWPS              | 73A, Norwood Road, Bayswater             | 1758631     | 5924095 | 1 - 4 hours                                    | Ngataringa Bay                      | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPKAW         | 884         | Low          | Low             | 1             | 13           | Shoal Bay      | Kawerau WWPS              | 52 Kawerau Avenue, Devonport             | 1759385     | 5924135 | 1 - 4 hours                                    | Ngataringa Bay                      | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPREG         | 885         | Low          | Low             | 1             | 13           | Shoal Bay      | Regent WWPS               | 23 Regent St, Devonport                  | 1759617     | 5924376 | 1 - 4 hours                                    | Unnamed tributary of Ngataringa Bay | 2                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| DPHNM         | 887         | Low          | Low             | 1             | 13           | Shoal Bay      | Hinemoa WWPS              | Hinemoa Park, Hinemoa Street, Birkenhead | 1754736     | 5923492 | > 8 hours                                      | Little Shoal Bay                    | 1                | Low                          | 2                | Very low                  | 2              | 1               |

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|               |             |              |                 |               |              |                     |                           |                                                     | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| DPHOM         | 888         | Low          | Low             | 1             | 13           | Shoal Bay           | Homewood WWPS             | 24 Homewood Place, Chatswood                        | 1752967     | 5923875 | > 8 hours                                      | Duck Creek and Chelsea Ponds | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPAFD         | 889         | Low          | Low             | 1             | 13           | Shoal Bay           | Alfred WWPS               | 23 Alfred Street, Northcote Point                   | 1755924     | 5923988 | > 8 hours                                      | Shoal Bay                    | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPSYV         | 890         | Low          | Medium          | 1             | 13           | Shoal Bay           | Sylvan WWPS               | 7 Sylvan Ave, Northcote                             | 1756123     | 5924570 | > 8 hours                                      | Onepoto Stream               | 3                | Very low                     | 1                | Low                       | 1              | 1               |
| DPHVN         | 898         | Low          | Low             | 1             | 13           | Shoal Bay           | Havenwood                 | R18 Havenwood Place, Birkenhead                     | 1754493     | 5925539 | 1 - 4 hours                                    | Waiurutoa Stream             | 2                | Moderate                     | 1                | High                      | 1              | 1               |
| DPARH         | 899         | Low          | Low             | 1             | 13           | Shoal Bay           | Araha WWPS                | 11 Araha Street, Northcote                          | 1756163     | 5925728 | 1 - 4 hours                                    | Tuff Crater                  | 3                | Very low                     | 1                | Low                       | 1              | 2               |
| DPJIM         | 904         | Low          | Low             | 1             | 13           | Shoal Bay           | Jim Titchener WWPS        | Jim Titchener Parade, Devonport                     | 1759376     | 5923189 | 4 - 8 hours                                    | To land                      |                  |                              |                  |                           |                |                 |
| DPBYS         | 905         | Low          | Low             | 1             | 13           | Shoal Bay           | Bayswater WWPS            | Bayswater Marina, Sir Peter Blake Parade, Bayswater | 1757642     | 5923703 | > 8 hours                                      | Shoal Bay                    | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBPO         | 906         | Low          | Low             | 1             | 13           | Shoal Bay           | Barrys Point Local WWPS   | 56 Barrys Point Road, Takapuna                      | 1757591     | 5926435 | 4 - 8 hours                                    | Shoal Bay                    | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPKWO         | 907         | Low          | Low             | 1             | 13           | Shoal Bay           | Kitewao WWPS              | 23 Kitewao Street, Northcote                        | 1756654     | 5926549 | 4 - 8 hours                                    | Hillcrest Creek              | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPDMN         | 908         | Low          | Low             | 1             | 13           | Shoal Bay           | Dominion WWPS             | 72 Dominion Street, Takapuna                        | 1756770     | 5926625 | 4 - 8 hours                                    | Hillcrest Creek              | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPEXM         | 948         | Low          | Low             | 1             | 13           | Shoal Bay           | Exmouth WWPS              | 140 Exmouth Road, Northcote                         | 1756729     | 5925102 | 4 - 8 hours                                    | Tuff Crater                  | 3                | Very low                     | 1                | Low                       | 1              | 2               |
| DPATL         | 826         | Low          | Low             | 1             | 14           | Upper Harbour North | Atlas WWPS                | 8 Ascension Place, Rosedale                         | 1754741     | 5931884 | 4 - 8 hours                                    | Alexandra Stream             | 3                | Very low                     | 1                | High                      | 2              | 1               |

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|               |             |              |                 |               |              |                     |                           |                                    | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPCHH         | 874         | Low          | Low             | 1             | 14           | Upper Harbour North | Church House WWPS         | 51 Churchhouse Rd, Greenhithe      | 1749242     | 5929508 | 1 - 4 hours                                    | Greenhithe Stream          | 3                | Very low                     | 1                | High                      | 2              | 1               |
| DPRLE         | 876         | Low          | Low             | 1             | 14           | Upper Harbour North | Rosedale WWPS             | 12 Rosedale Rd, Albany             | 1752681     | 5932674 | < 1 hour                                       | Oteha Stream               | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPKY1         | 877         | Low          | Medium          | 1             | 14           | Upper Harbour North | Kyle No. 1 WWPS           | R27 Miromiro Street, Greenhithe    | 1750389     | 5930143 | 1 - 4 hours                                    | Kyle Stream                | 3                | Low                          | 2                | High                      | 1              | 1               |
| DPALB         | 878         | Low          | Low             | 1             | 14           | Upper Harbour North | Albany WWPS               | 500 Albany Highway, Albany         | 1751307     | 5933566 | 4 - 8 hours                                    | Oteha Stream               | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPKER         | 920         | Low          | Low             | 1             | 14           | Upper Harbour North | Kerema WWPS               | 14 Kerema Way, Schnapper Rock      | 1749720     | 5930454 | > 8 hours                                      | Lucas Creek                | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPVAN         | 923         | Low          | Low             | 1             | 14           | Upper Harbour North | Van Der Bilt WWPS         | 17 Vanderbilt Parade, Albany       | 1751427     | 5932861 | 4 - 8 hours                                    | Oteha Stream               | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPREM         | 924         | Low          | Low             | 1             | 14           | Upper Harbour North | Remu WWPS                 | R20 Remu Place, Greenhithe         | 1749145     | 5928046 | 1 - 4 hours                                    | Greenhithe Coast           | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPKKI         | 925         | Low          | Low             | 1             | 14           | Upper Harbour North | Koki WWPS                 | 3 Koki Road, Greenhithe            | 1748900     | 5928205 | 1 - 4 hours                                    | Greenhithe Coast           | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPRAH         | 926         | Low          | Low             | 1             | 14           | Upper Harbour North | Rahui WWPS                | 17 Rahui Road, Greenhithe          | 1748741     | 5928466 | 4 - 8 hours                                    | Greenhithe Coast           | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPAWA         | 927         | Low          | Low             | 1             | 14           | Upper Harbour North | Awatahi WWPS              | 4 Awatahi Place, Greenhithe        | 1748755     | 5929200 | 1 - 4 hours                                    | Lucas Creek                | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWNI         | 928         | Low          | Low             | 1             | 14           | Upper Harbour North | Wainoni WWPS              | 7 Samuel Cross Place, Greenhithe   | 1749913     | 5929936 | 4 - 8 hours                                    | Te Wharau Creek            | 3                | Very low                     | 1                | Very low                  | 2              | 1               |
| DPALY         | 934         | Low          | Low             | 1             | 14           | Upper Harbour North | Aberly WWPS               | 91 Aberley Rd, Albany              | 1750153     | 5931426 | 1 - 4 hours                                    | Aberley Creek              | 3                | Very low                     | 1                | High                      | 2              | 1               |
| DPMHO         | 944         | Low          | Low             | 1             | 14           | Upper Harbour North | Mahoney WWPS              | 40 Mahoney Drive, Albany           | 1750407     | 5932799 | > 8 hours                                      | Lucas Creek                | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPCLP         | 945         | Low          | Low             | 1             | 14           | Upper Harbour North | Carol Lee Place WWPS      | 19 Carol Lee Place, Albany Heights | 1751295     | 5935005 | 4 - 8 hours                                    | To land                    |                  |                              |                  |                           |                |                 |

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|               |             |              |                 |               |              |                     |                           |                                  | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPKY2         | 946         | Low          | Low             | 1             | 14           | Upper Harbour North | Kyle No. 2 WWPS           | 5 Albertine Place, Greenhithe    | 1751368     | 5930457 | 4 - 8 hours                                    | Kyle Stream                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPOSC         | 1231        | Low          | Low             | 1             | 14           | Upper Harbour North | Oscar WWPS                | 29 Oscar Road, Greenhithe        | 1748801     | 5929607 | 4 - 8 hours                                    | Lucas Creek                | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBUS         | 1232        | Low          | Low             | 1             | 14           | Upper Harbour North | Bush WWPS                 | 1 Bushlands Park Drive, Albany   | 1752405     | 5933236 | 4 - 8 hours                                    | Oteha Stream               | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPCHS         | 1234        | Low          | Low             | 1             | 14           | Upper Harbour North | Chester WWPS              | 31 Chester Ave, Greenhithe       | 1751748     | 5930456 | 4 - 8 hours                                    | Kyle Stream                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPDRE         | 1241        | Low          | Low             | 1             | 14           | Upper Harbour North | Dressage WWPS             | 27 Durbin Court, Greenhithe      | 1750231     | 5928910 | 4 - 8 hours                                    | Orwell Stream              | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| -             | 844         | Medium       | High            | 2             | 15           | Upper Harbour South | Network overflow          | 28 Gazelle Rd, Beach Haven       | 1750235     | 5927255 | -                                              | Hellyers Creek             | 2                | High                         | 1                | High                      | 1              | 1               |
| DPISL         | 856         | Medium       | Low             | 1             | 15           | Upper Harbour South | Island Bay WWPS           | 103 Island Bay Road, Beach Haven | 1750669     | 5924854 | 1 - 4 hours                                    | Island Bay                 | 1                | Moderate                     | 2                | Low                       | 1              | 1               |
| DPKAH         | 862         | Medium       | Medium          | 1             | 15           | Upper Harbour South | Kahika WWPS               | 19 Kahika Road, Birkdale         | 1751743     | 5927577 | 4 - 8 hours                                    | Kaipatiki Creek            | 3                | Very low                     | 1                | Moderate                  | 1              | 1               |
| DPVIA         | 891         | Low          | Low             | 1             | 15           | Upper Harbour South | Valkyria WWPS             | 2 Valkyria Place, Beach Haven    | 1751003     | 5924630 | 1 - 4 hours                                    | Soldiers Bay               | 2                | Low                          | 1                | Very low                  | 2              | 1               |
| DPHD1         | 893         | Low          | Low             | 1             | 15           | Upper Harbour South | Hadfield 1 WWPS           | 95 Hadfield Street, Beach Haven  | 1750899     | 5924984 | 1 - 4 hours                                    | Island Bay                 | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPHD2         | 894         | Low          | Low             | 1             | 15           | Upper Harbour South | Hadfield 2 WWPS           | 90 Hadfield Street, Beach Haven  | 1750919     | 5925105 | 1 - 4 hours                                    | Island Bay                 | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPCAM         | 897         | Low          | Low             | 1             | 15           | Upper Harbour South | Caram WWPS                | 14 Caram Place, Birkenhead       | 1752739     | 5925165 | > 8 hours                                      | Eskdale Stream             | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPRMP         | 900         | Low          | Low             | 1             | 15           | Upper Harbour South | Rosecamp WWPS             | 52 Rosecamp Road, Beach Haven    | 1750483     | 5925867 | 1 - 4 hours                                    | Charcoal Bay               | 2                | Low                          | 2                | Very low                  | 1              | 1               |

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|               |             |              |                 |               |              |                     |                            |                                                 | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPCRO         | 901         | Low          | Low             | 1             | 15           | Upper Harbour South | Cronin WWPS                | 6 Cronin Place, Beach Haven                     | 1750198     | 5926733 | 1 - 4 hours                                    | Beach Haven Beach          | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPBEN         | 902         | Low          | Low             | 1             | 15           | Upper Harbour South | Beachaven WWPS             | 28 Beach Haven Road, Beach Haven                | 1750008     | 5927176 | 1 - 4 hours                                    | Hellyers Creek             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPCRE         | 903         | Low          | Low             | 1             | 15           | Upper Harbour South | Cresta WWPS                | 40 Cresta Avenue, Beach Haven                   | 1750462     | 5927278 | 1 - 4 hours                                    | Hellyers Creek             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPGLU         | 917         | Low          | Low             | 1             | 15           | Upper Harbour South | Glendhu WWPS               | 164 Glendhu Road, Beach Haven                   | 1752025     | 5929183 | > 8 hours                                      | Lignite Stream             | 3                | Very low                     | 1                | High                      | 2              | 1               |
| DPALC         | 930         | Low          | Low             | 1             | 15           | Upper Harbour South | Albany Church WWPS         | 26 Albany Highway, Albany                       | 1753162     | 5929868 | 1 - 4 hours                                    | Lignite Stream             | 3                | Very low                     | 1                | High                      | 2              | 1               |
| DPNEP         | 943         | Low          | Low             | 1             | 15           | Upper Harbour South | Neptune WWPS               | 42 Neptune Avenue, Beach Haven                  | 1750227     | 5926166 | 4 - 8 hours                                    | Beach Haven Coast          | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | 1442        | Medium       | Medium          | 2             | 13           | Upper Harbour South | Network overflow           | Birkenhead College, 140 Birkdale Road, Birkdale | 1751455     | 5925801 | -                                              | Rangatira Stream           | 3                | Low                          | 2                | High                      | 2              | 1               |
| -             | 1443        | Low          | Low             | 2             | 15           | Upper Harbour South | Network overflow           | 128 Spinella Drive, Bayview                     | 1753182     | 5929167 | -                                              | Glendhu Reserve Stream     | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPHOB         | 1274        | Low          | Low             | 1             | 16           | Upper Harbour West  | Hobsonville No. 1 WWPS     | 44 to 50 Station Street, Hobsonville            | 1747889     | 5927115 | > 8 hours                                      | Te Okoriki Inlet           | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHOP         | 1275        | Low          | Low             | 1             | 16           | Upper Harbour West  | Hobsonville WWPS           | 2A Buckley Avenue, Hobsonville                  | 1747498     | 5926793 | 4 - 8 hours                                    | Wallace Inlet              | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPWHN         | 1529        | Low          | Low             | 1             | 16           | Upper Harbour West  | Whenuapai WWPS             | 167 Brigham Creek Rd, Whenuapai                 | 1745683     | 5926094 | 4 - 8 hours                                    | Waiarohia Stream           | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |

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|               |             |              |                 |               |              |                    |                            |                                      | Ref X       | Ref Y   |                                                |                                      |                  |                              |                  |                           |                |                 |
| DPMSN         | 1530        | Low          | Low             | 1             | 16           | Upper Harbour West | Massey North WWPS          | 97B Northside Drive, Massey North    | 1743135     | 5925413 | 4 - 8 hours                                    | Totara Creek                         | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPHO5         | 1543        | Low          | Low             | 1             | 16           | Upper Harbour West | Hobsonville 5 WWPS         | opp 36 Bomb Point Drive, Hobsonville | 1748686     | 5926515 | > 8 hours                                      | Bomb Bay                             | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPBRK         | 1545        | Low          | Low             | 1             | 16           | Upper Harbour West | Brickworks Bay WWPS        | 4 Brickworks Bay Rd, Hobsonville     | 1747386     | 5925937 | > 8 hours                                      | Limeburners Bay                      | 2                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPHO2         | 1572        | Low          | Low             | 1             | 16           | Upper Harbour West | Hobsonville 2 WWPS         | 148 Buckley Ave, Hobsonville         | 1748410     | 5927365 | > 8 hours                                      | Te Okoriki Inlet                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHO4         | 1573        | Low          | Low             | 1             | 16           | Upper Harbour West | Hobsonville 4 WWPS         | De Havilland Drive, Hobsonville      | 1748425     | 5926616 | > 8 hours                                      | Bomb Bay                             | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPSC2         | 1582        | Low          | Low             | 1             | 16           | Upper Harbour West | Scott Point 2 WWPS         | 15 Scott Road, Hobsonville           | 1748450     | 5925980 | > 8 hours                                      | Nimrod Inlet                         | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPWHV         | 1584        | Low          | Low             | 1             | 16           | Upper Harbour West | Whenuapai Village WWPS     | 1 Tamiro Road, Whenuapai             | 1743407     | 5927036 | > 8 hours                                      | Stormwater pond (Tamiro Road)        | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPSC3         | 1582        | Low          | Low             | 1             | 16           | Upper Harbour West | Scott Point 3 WWPS         | 7 Kano Way, Hobsonville              | 1748743     | 5925868 | > 8 hours                                      | Nimrod Inlet                         | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPSC1         | 1594        | Low          | Low             | 1             | 16           | Upper Harbour West | Scott Point 1 WWPS         | 165 Clark Rd, Hobsonville            | 1748333     | 5926534 | > 8 hours                                      | Bomb Bay                             | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| -             | 2           | Low          | Low             | 2             | 17           | Henderson Creek    | 25 Blethyn Place           | 25 Blethyn Place, Te Atatu South     | 1746034     | 5919032 |                                                | Henderson Creek (southern arm)       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 3           | Low          | Medium          | 2             | 17           | Henderson Creek    | 13 Ascot Avenue            | 13 Ascot Avenue, Henderson           | 1744420     | 5919675 |                                                | Taikata Stream                       | 3                | Low                          | 3                | Low                       | 2              | 1               |
| -             | 4           | Low          | High            | 2             | 17           | Henderson Creek    | 144-160 Triangle Road      | 144-160 Triangle Road, Massey        | 1744306     | 5921899 |                                                | Rarawaru Stream                      | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| -             | 5           | Low          | Medium          | 2             | 17           | Henderson Creek    | 9 Glenford Lane            | 9 Glenford Lane, Te Atatu Peninsula  | 1746820     | 5922215 |                                                | Unnamed tributary to Henderson Creek | 3                | Low                          | 1                | Very high                 | 2              | 1               |

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|               |             |              |                 |               |              |                 |                                         |                                        | Ref X       | Ref Y   |                                                |                                |                  |                              |                  |                           |                |                 |
| -             | 6           | Medium       | Medium          | 2             | 17           | Henderson Creek | 50 Kingdale Road                        | 50 Kingdale Road, Henderson            | 1744853     | 5919642 |                                                | Lincoln Stream                 | 3                | Low                          | 2                | High                      | 2              | 1               |
| -             | 7           | Medium       | Medium          | 2             | 17           | Henderson Creek | 14B Woodglen Road                       | 14B Woodglen Road, Glen Eden           | 1746473     | 5913873 |                                                | Waikumete Stream               | 3                | Low                          | 2                | Low                       | 2              | 1               |
| -             | 8           | Low          | Medium          | 2             | 17           | Henderson Creek | 16 Chilcot Road                         | 16 Chilcot Road, Te Atatu South        | 1745804     | 5918257 | > 8 hours                                      | Henderson Creek (southern arm) | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPFLN         | 690         | Low          | Low             | 1             | 17           | Henderson Creek | Western WWPS                            | 143 Flanshaw Road, Te Atatu South      | 1746336     | 5920116 | 4 - 8 hours                                    | Henderson Creek (southern arm) | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPTEA         | 691         | Low          | Low             | 1             | 17           | Henderson Creek | Te Atatu Central WWPS                   | 415a Te Atatu Road, Te Atatu Peninsula | 1747461     | 5920317 | 1 - 4 hours                                    | Harbourview Beach              | 2                | Low                          | 1                | Very low                  | 2              | 2               |
| DPTEN         | 692         | Low          | Low             | 1             | 17           | Henderson Creek | Te Atatu North WWPS                     | 9 Kelvin Crescent, Te Atatu Peninsula  | 1747405     | 5922789 | > 8 hours                                      | Estuary at Orukuwai Point      | 3                | Very low                     | 1                | Very low                  | 2              | 1               |
| DSGLE MH16    | 748         | High         | Medium          | 2             | 17           | Henderson Creek | Network overflow: Glen Eden Branch MH16 | 16 Coletta Lane, Te Atatu South        | 1745917     | 5918448 |                                                | Henderson Creek (southern arm) | 2                | High                         | 1                | High                      | 1              | 1               |
| DSSWN MH15    | 749         | Medium       | Medium          | 2             | 17           | Henderson Creek | Network overflow: Swanson Branch MH15   | 95 Riverpark Crescent, Henderson       | 1744549     | 5920113 |                                                | Huruhuru Creek                 | 2                | Moderate                     | 1                | Moderate                  | 2              | 1               |
| -             | 1278        | Low          | Low             | 2             | 17           | Henderson Creek | 135 Millbrook Road                      | Serwayne Place Reserve, Sunnyvale      | 1745625     | 5915528 |                                                | Waikumete Stream               | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | 1539        | Low          | Low             | 2             | 17           | Henderson Creek | Blethyn Place Reserve                   | Blethyn Place Reserve, Henderson       | 1746013     | 5919071 |                                                | Henderson Creek (southern arm) | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 10          | Low          | Low             | 2             | 17           | Henderson Creek | 38 La Rosa Street                       | 38 La Rosa Street, Green Bay           | 1749083     | 5911643 |                                                | Avondale Stream                | 3                | Very low                     | 3                | Very low                  | 1              | 1               |



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|               |             |              |                 |               |              |                 |                                           |                                      | Ref X       | Ref Y   |                                                |                                      |                  |                              |                  |                           |                |                 |
| DSGLE         | 1556        | Low          | Low             | 2             | 17           | Henderson Creek | Upper Glen Eden Storage Tank - Downstream | 471-479 West Coast Road, Glen Eden   | 1745485     | 5914811 |                                                | Waikumete Stream                     | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | 1583        | Low          | Medium          | 2             | 17           | Henderson Creek | 22 Matipo Road                            | 22 Matipo Road, Te Atatu Peninsula   | 1746654     | 5922294 |                                                | Unnamed tributary to Henderson Creek | 3                | Low                          | 1                | Very high                 | 2              | 1               |
| DPSTR         | 38          | Low          | Low             | 1             | 18           | Whau River      | Sceptre Place WWPS                        | 20 Sceptre Place, Avondale           | 1749357     | 5915778 | 4 - 8 hours                                    | Whau River Estuary                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRVD         | 41          | Low          | Low             | 1             | 18           | Whau River      | Riversdale Rd WWPS                        | 46 Tony Segedin Drive, Avondale      | 1749398     | 5915371 | 4 - 8 hours                                    | Whau River Estuary                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLID         | 42          | Low          | Low             | 1             | 18           | Whau River      | Lidcombe Place WWPS                       | 11a Lidcombe Place, Avondale         | 1750371     | 5916589 | 4 - 8 hours                                    | Waterview Embayment                  | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPASH         | 44          | Low          | Low             | 1             | 18           | Whau River      | Ash St WWPS                               | 159 Ash Street, Avondale             | 1749842     | 5915002 | > 8 hours                                      | Whau River Estuary                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRB1         | 607         | Low          | Low             | 1             | 18           | Whau River      | Rosebank Rd No.1 WWPS                     | 407 Rosebank Rd, Avondale            | 1749684     | 5917070 | > 8 hours                                      | Waterview Embayment                  | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPEND         | 609         | Low          | Low             | 1             | 18           | Whau River      | Endeavour St WWPS                         | 69 - 79 Endeavour St, Blockhouse Bay | 1751453     | 5911636 | > 8 hours                                      | Blockhouse Bay                       | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPHS1         | 617         | Low          | Low             | 1             | 18           | Whau River      | Holly St No .1 WWPS                       | 72c Holly St, Avondale               | 1750812     | 5916355 | 1 - 4 hours                                    | Waterview Embayment                  | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPHS2         | 618         | Low          | Low             | 1             | 18           | Whau River      | Holly St No. 2 WWPS                       | 107 Holly St, Avondale               | 1750568     | 5916407 | > 8 hours                                      | Waterview Embayment                  | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPKEY         | 621         | Low          | Low             | 1             | 18           | Whau River      | Kenley Place WWPS                         | 22 Kenley Pl, Avondale               | 1749236     | 5915985 | 1 - 4 hours                                    | Whau River Estuary                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLEW         | 622         | Low          | Low             | 1             | 18           | Whau River      | Lewis St WWPS                             | 52 Lewis St, Blockhouse Bay          | 1752015     | 5912008 | > 8 hours                                      | Blockhouse Bay                       | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPMED         | 625         | Low          | Low             | 1             | 18           | Whau River      | Mead St WWPS                              | 38 Mead St, Avondale                 | 1749709     | 5916482 | 4 - 8 hours                                    | Whau River Estuary                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|------------------------------------|--------------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                                    |                                | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPPKI         | 629         | Low          | Low             | 1             | 18           | Whau River     | Patiki Rd WWPS                     | 100 Patiki Rd, Avondale        | 1748419     | 5918548 | > 8 hours                                      | Whau River Estuary         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRB2         | 634         | Low          | Low             | 1             | 18           | Whau River     | Rosebank Rd No. 2 WWPS             | 591 Rosebank Rd, Avondale      | 1749015     | 5917538 | 4 - 8 hours                                    | Waterview Embayment        | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DPTIM         | 644         | Low          | Low             | 1             | 18           | Whau River     | Timothy Place WWPS                 | 39 Timothy Pl, Avondale        | 1748468     | 5917464 | > 8 hours                                      | Whau River Estuary         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPESM         | 656         | Low          | Low             | 1             | 18           | Whau River     | Esmeralda Ave WWPS                 | 50 Esmeralda Ave, Avondale     | 1749318     | 5916633 | 1 - 4 hours                                    | Whau River Estuary         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWIN         | 695         | High         | Medium          | 1             | 18           | Whau River     | St George WWPS                     | 49a Arran Street, Avondale     | 1750801     | 5914066 | < 1 hour                                       | Whau Creek                 | 3                | Low                          | 1                | Very high                 | 1              | 1               |
| DSRSB         | 752         | Low          | Low             | 2             | 18           | Whau River     | Network overflow, Rose Bank siphon | 26 Saunders Place, Avondale    | 1748357     | 5917248 |                                                | Whau River Estuary         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
|               | 1536        | Low          | Low             | 2             | 18           | Whau River     | 103 Seabrook Ave                   | 103 Seabrook Ave, New Lynn     | 1748933     | 5912899 |                                                | Manawa Stream              | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPLNG         | 693         | Low          | Low             | 1             | 19           | Laingholm      | Laingholm WWPS                     | Laingholm Drive, Laingholm     | 1745799     | 5908889 | 4 - 8 hours                                    | Waiohua Creek              | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWDB         | 694         | Low          | Low             | 1             | 19           | Laingholm      | Wood Bay WWPS                      | Wood Bay Reserve, Wood Bay     | 1748238     | 5910044 | 1 - 4 hours                                    | Wood Bay                   | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| -             | 194         | High         | High            | 2             | 20           | Cox's Bay      | 28 Sarsfield Street                | 28 Sarsfield Street, Herne Bay | 1755138     | 5921375 |                                                | Home Bay                   | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 195         | Low          | Low             | 2             | 20           | Cox's Bay      | 54 Sarsfield Street                | 54 Sarsfield Street, Herne Bay | 1754890     | 5921317 |                                                | Home Bay                   | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| -             | 196         | High         | High            | 2             | 20           | Cox's Bay      | 8 Sarsfield Street                 | 8 Sarsfield Street, Herne Bay  | 1755262     | 5921402 |                                                | Home Bay                   | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 197         | Low          | High            | 2             | 20           | Cox's Bay      | 1 Marine Parade                    | 33 Herne Bay Road, Herne Bay   | 1754026     | 5920996 |                                                | Herne Bay                  | 1                | High                         | 2                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|-----------------------------------|----------------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                                   |                                  | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 198         | High         | High            | 2             | 20           | Cox's Bay      | 22 Marine Parade                  | 22 Marine Parade, Herne Bay      | 1753816     | 5920806 |                                                | Cox's Bay                  | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 199         | Low          | Medium          | 2             | 20           | Cox's Bay      | 57 Marine Parade                  | 57 Marine Parade, Herne Bay      | 1753732     | 5920673 |                                                | Cox's Bay                  | 2                | Moderate                     | 2                | Low                       | 1              | 1               |
| -             | 200         | Low          | High            | 2             | 20           | Cox's Bay      | 28 Sentinel Road                  | 28 Sentinel Road, Herne Bay      | 1754732     | 5921097 |                                                | Home Bay                   | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 201         | High         | High            | 2             | 20           | Cox's Bay      | 97 Sarsfields Street              | 97 Sarsfield Street, Herne Bay   | 1754599     | 5921262 |                                                | Home Bay                   | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 202         | Low          | High            | 2             | 20           | Cox's Bay      | 69 Hamilton Road                  | 69 Hamilton Road, Ponsonby       | 1754881     | 5921403 |                                                | Home Bay                   | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 222         | Low          | Low             | 2             | 20           | Cox's Bay      | Sussex Street/ Williamson Avenue  | 33 Williamson Avenue, Grey Lynn  | 1755588     | 5919224 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 223         | Low          | Low             | 2             | 20           | Cox's Bay      | 36 Scanlon Street                 | 36 Scanlon Street, Grey Lynn     | 1755757     | 5919170 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 224         | Low          | Low             | 2             | 20           | Cox's Bay      | 49 Ariki Street                   | 49 Ariki Street, Grey Lynn       | 1755498     | 5919076 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 225         | Medium       | High            | 2             | 20           | Cox's Bay      | Grey Lynn Park/ Williamson Avenue | 71 Williamson Avenue, Grey Lynn  | 1755327     | 5919073 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 226         | Medium       | High            | 2             | 20           | Cox's Bay      | 123 Williamson Avenue             | 123 Williamson Avenue, Grey Lynn | 1755028     | 5918798 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 227         | Low          | Low             | 2             | 20           | Cox's Bay      | Elgen Street                      | 34 Prime Rd, Grey Lynn           | 1755095     | 5919042 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 228         | Low          | Low             | 2             | 20           | Cox's Bay      | Selbourne Street/ Firth Street    | 10 Firth Road, Grey Lynn         | 1754769     | 5919020 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 229         | Low          | Medium          | 2             | 20           | Cox's Bay      | 30 West End Road                  | 30 West End Road, Herne Bay      | 1754138     | 5920376 |                                                | Cox's Creek                | 3                | Low                          | 2                | High                      | 1              | 1               |

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|               |             |              |                 |               |              |                |                           |                                | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 230         | Medium       | High            | 2             | 20           | Cox's Bay      | 42 Wharf Road             | 29b Wharf Road, Herne Bay      | 1754373     | 5920294 |                                                | Kelmarna Stream            | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| -             | 233         | High         | High            | 2             | 20           | Cox's Bay      | 65 Kelmarna Avenue        | 65 Kelmarna Avenue, Ponsonby   | 1754620     | 5920358 |                                                | Kelmarna Stream            | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| -             | 234         | Medium       | High            | 1             | 20           | Cox's Bay      | 75 West End Road          | 75 West End Road, Herne Bay    | 1753612     | 5920199 |                                                | Cox's Bay                  | 2                | Very high                    | 2                | High                      | 1              | 1               |
| -             | 235         | High         | High            | 2             | 20           | Cox's Bay      | 52 Fife Street            | 52 Fife Street, Westmere       | 1753938     | 5919779 |                                                | Edgars Creek               | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| -             | 237         | Low          | Low             | 2             | 20           | Cox's Bay      | 91 Rose Road              | 93 Rose Road, Grey Lynn        | 1755122     | 5919343 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 238         | High         | High            | 2             | 20           | Cox's Bay      | 61 Dryden Street          | 61 Dryden Street, Grey Lynn    | 1754932     | 5919327 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 240         | Low          | Low             | 2             | 20           | Cox's Bay      | 73 Dryden Street          | 73 Dryden Street, Grey Lynn    | 1754813     | 5919506 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 241         | Low          | Low             | 2             | 20           | Cox's Bay      | 55 Hakanoa Street         | 55 Hakanoa Street, Grey Lynn   | 1754715     | 5919584 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 242         | Low          | Medium          | 2             | 20           | Cox's Bay      | 38 Sackville Street       | 38 Sackville Street, Grey Lynn | 1754594     | 5919716 |                                                | Cox's Creek                | 3                | Low                          | 2                | High                      | 1              | 1               |
| -             | 243         | Low          | Low             | 2             | 20           | Cox's Bay      | 58 Hakanoa Street         | 58 Hakanoa Street, Grey Lynn   | 1754669     | 5919660 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 244         | High         | High            | 2             | 20           | Cox's Bay      | 32 Tawariki Street B      | 32 Tawariki Street, Ponsonby   | 1754706     | 5920141 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 246         | Low          | High            | 2             | 20           | Cox's Bay      | 32 Tawariki Street D      | 32 Tawariki Street, Ponsonby   | 1754698     | 5920149 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 248         | Low          | Low             | 2             | 20           | Cox's Bay      | Wellpark Reserve          | 31 Wellpark Avenue, Westmere   | 1754014     | 5919342 |                                                | Edgars Creek               | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |
|               | 249         | Medium       | Medium          | 2             | 20           | Coxs Bay       | 5 Larchwood Ave           | 5 Larchwood Avenue, Westmere   | 1753991     | 5919544 |                                                | Edgars Creek               | 2                | High                         | 3                | Low                       | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|---------------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                 | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 250         | Low          | Low             | 2             | 20           | Cox's Bay      | 25 Francis Street          | 25 Francis Street, Grey Lynn    | 1754087     | 5919267 |                                                | Edgars Creek               | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |
| -             | 251         | Low          | Medium          | 2             | 20           | Cox's Bay      | 33 Regina Street           | 33 Regina Street, Grey Lynn     | 1754180     | 5920027 |                                                | Cox's Creek                | 3                | Low                          | 2                | High                      | 1              | 1               |
| -             | 252         | Medium       | High            | 2             | 20           | Cox's Bay      | 22 Parawai Crescent        | 22 Parawai Crescent, Ponsonby   | 1754415     | 5920080 |                                                | Cox's Creek                | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 253         | Low          | Low             | 2             | 20           | Cox's Bay      | 14 Parawai Cr              | 14 Parawai Cr, Grey Lyn         | 1754437     | 5920015 |                                                | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 254         | High         | High            | 2             | 20           | Cox's Bay      | 58 Fife Street             | 58B Fife Street, Westmere       | 1753938     | 5919779 |                                                | Edgars Creek               | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| -             | 256         | Medium       | High            | 2             | 20           | Cox's Bay      | 63a Warnock Street         | 63a Warnock Street, Westmere    | 1753931     | 5919721 |                                                | Edgars Creek               | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| -             | 260         | Low          | High            | 2             | 20           | Cox's Bay      | 34 Notley Street           | 3/34 Notley Street, Westmere    | 1753537     | 5919364 |                                                | Motions Creek              | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 261         | Low          | Medium          | 2             | 20           | Cox's Bay      | 18 Meola Road              | 18 Meola Road, Westmere         | 1753251     | 5919645 |                                                | Motions Creek Estuary      | 2                | Low                          | 2                | Low                       | 1              | 1               |
| -             | 262         | Low          | High            | 2             | 20           | Cox's Bay      | 26 Westmere Crescent       | 26 Westmere Crescent, Westmere  | 1753119     | 5919677 |                                                | Motions Creek Estuary      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 263         | Medium       | High            | 2             | 20           | Cox's Bay      | 36a Westmere Crescent      | 36a Westmere Crescent, Westmere | 1753069     | 5919716 |                                                | Motions Creek Estuary      | 2                | High                         | 2                | High                      | 1              | 1               |
| -             | 264         | Low          | Medium          | 2             | 20           | Cox's Bay      | 25 Savage Street           | 23 Savage Street, Grey Lynn     | 1753429     | 5919394 |                                                | Motions Creek              | 2                | High                         | 2                | High                      | 1              | 1               |
| -             | 265         | Medium       | High            | 2             | 20           | Cox's Bay      | 15 Notley Street           | 15 Notley Street, Grey Lynn     | 1753313     | 5919486 |                                                | Motions Creek              | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 266         | Low          | High            | 2             | 20           | Cox's Bay      | 25 Tirotai Crescent        | 25 Tirotai Crescent, Westmere   | 1752923     | 5920019 |                                                | Motions Creek Estuary      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 267         | Low          | High            | 2             | 20           | Cox's Bay      | 216 Garnet Road            | 216 Garnet Road, Westmere       | 1752941     | 5920089 |                                                | Motions Creek Estuary      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |

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|               |             |              |                 |               |              |                |                              |                                            | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 268         | High         | High            | 2             | 20           | Cox's Bay      | 40 Lemington Road            | 40 Lemington Road, Westmere                | 1752940     | 5919748 |                                                | Motions Creek Estuary      | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 269         | Low          | High            | 2             | 20           | Cox's Bay      | 7 Weona Place                | 7 Weona Place, Westmere                    | 1752668     | 5919768 |                                                | Motions Creek Estuary      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 270         | Low          | High            | 2             | 20           | Cox's Bay      | 1 Westmere Park Avenue       | 1 Westmere Park Avenue, Westmere           | 1752892     | 5919822 |                                                | Motions Creek Estuary      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 271         | Medium       | High            | 2             | 20           | Cox's Bay      | 22 Winsomere Crescent        | 22a Winsomere Crescent, Westmere           | 1752718     | 5919913 |                                                | Motions Creek Estuary      | 2                | High                         | 2                | High                      | 1              | 1               |
| DPMAC         | 624         | Low          | Low             | 1             | 20           | Cox's Bay      | Masefield Avenue WWPS        | 1f Masefield Ave, Herne Bay                | 1755037     | 5921442 | > 8 hours                                      | Home Bay                   | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPMLA         | 627         | Low          | Low             | 1             | 20           | Cox's Bay      | Meola Road WWPS              | Meola Rd, Point Chevalier-Westmere         | 1752953     | 5919416 | 1 - 4 hours                                    | Motions Creek Estuary      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPSAR         | 636         | Low          | Low             | 1             | 20           | Cox's Bay      | Sarsfield Street WWPS        | 91 Sarsfield St, Herne Bay                 | 1754600     | 5921267 | 4 - 8 hours                                    | Home Bay                   | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPWEB         | 652         | Low          | Low             | 1             | 20           | Cox's Bay      | Webber Street WWPS           | 38 Webber St, Westmere                     | 1754174     | 5920100 | > 8 hours                                      | Cox's Creek                | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPWPA         | 699         | Low          | Low             | 1             | 20           | Cox's Bay      | Westmere Park Wholesale WWPS | 36 Westmere Park Avenue, Westmere          | 1752884     | 5920125 | 1 - 4 hours                                    | Motions Creek Estuary      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DSB06 MH 2    | 713         | Low          | Medium          | 2             | 20           | Cox's Bay      | Branch 6 Cox Creek MH2       | 14 Parawai Crescent, Ponsonby              | 1754433     | 5920013 |                                                | Cox's Creek                | 3                | Low                          | 2                | High                      | 1              | 1               |
| DSB06 MH11    | 714         | Medium       | High            | 2             | 20           | Cox's Bay      | Branch 6 Cox Creek MH11      | Jervois Road, Herne Bay                    | 1753840     | 5920394 |                                                | Cox's Bay                  | 2                | Very high                    | 2                | High                      | 1              | 1               |
| DSB07 MH1     | 715         | High         | High            | 2             | 20           | Cox's Bay      | Branch 7 Arch Hill MH1       | Auckland Zoo Motions Road, Western Springs | 1753485     | 5919068 |                                                | Motions Creek              | 2                | Very high                    | 2                | Very high                 | 1              | 1               |

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|               |             |              |                 |               |              |                        |                                    |                              | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| DSORM MH31    | 738         | Low          | Low             | 2             | 20           | Cox's Bay              | Orakei Main Sewer MH31             | 254 Richmond Road, Grey Lynn | 1754481     | 5919908 |                                                | Cox's Creek                  | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DSB05 MH23    | 740         | High         | High            | 2             | 20           | Cox's Bay              | Branch 5 Herne Bay MH23            | 49 Argle St, Herne Bay       | 1754226     | 5921014 |                                                | Herne Bay                    | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| DSB05 MH25    | 741         | Medium       | High            | 2             | 20           | Cox's Bay              | Branch 5 Herne Bay MH25            | 22 Marine Parade, Herne Bay  | 1753816     | 5920806 |                                                | Cox's Bay                    | 2                | Very high                    | 2                | High                      | 1              | 1               |
| -             | 1019        | Medium       | High            | 2             | 20           | Cox's Bay              | 15 Cremorne Street                 | 15 Cremorne, Herne Bay       | 1754367     | 5921256 |                                                | Home Bay                     | 1                | Very high                    | 2                | High                      | 1              | 1               |
| -             | 47          | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | Short Street/ Anzac Avenue         | 57 Anzac Ave                 | 1757993     | 5920609 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
| -             | 49          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Quay Street                        | 1 - 19 Quay St               | 1757961     | 5920903 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 50          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 61 Beach Road                      | 69 Beach Rd                  | 1758094     | 5920626 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 58          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 41 Kitchener Street                | 41 Kitchener Street          | 1757623     | 5920495 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 59          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 27 Victoria Street                 | 27 Victoria Street East      | 1757441     | 5920394 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 74          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 3a Lower Albert St                 | 3a Lower Albert St           | 1757444     | 5921042 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 76          | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 242 Queen Street                   | 242 Queen Street             | 1757352     | 5920351 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
| -             | 80          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Lorne Street/ Victoria Street East | 27 Victoria Street East      | 1757452     | 5920381 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 89          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 292 Queen Street                   | 292 Queen Street             | 1757312     | 5920216 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 93          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 89 Mayoral Drive                   | 89 Mayoral Drive             | 1757025     | 5919960 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |

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|               |             |              |                 |               |              |                        |                            |                                        | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 95          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 327 Queen Street           | 327 Queen Street                       | 1757131     | 5919887 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 97          | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 301 Queen Street A         | 301 Queen Street                       | 1757155     | 5920000 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
| -             | 99          | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 1 Greys Avenue             | 1 Greys Ave                            | 1757067     | 5919979 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 108         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 301 Queen Street B         | 301 Queen Street                       | 1757258     | 5920069 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 109         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 267 Queen Street           | 267 Queen Street                       | 1757291     | 5920223 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 112         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Welesley Street West       | 42 Wellesley Street West, Freemans Bay | 1757197     | 5920247 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 113         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 8 Mayoral Drive            | 8 Mayoral Drive                        | 1757134     | 5920200 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 114         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 15 Mayoral Drive           | 15 Mayoral Drive                       | 1757118     | 5920164 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 115         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 12 Mayoral Drive A         | 12 Mayoral Drive                       | 1757010     | 5920142 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 116         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 12 Mayoral Drive A         | 12 Mayoral Drive                       | 1757119     | 5920162 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 117         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 67 Vincent Street A        | 67 Vincent Street                      | 1756959     | 5920079 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 118         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 162 Cook Street            | 162 Cook Street                        | 1757001     | 5920112 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 119         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 67 Vincent Street B        | 67 Vincent Street                      | 1756978     | 5920098 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 120         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 14 Mayoral Drive           | 14 Mayoral Drive                       | 1757054     | 5920142 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |



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|---------------|-------------|--------------|-----------------|---------------|--------------|------------------------|--------------------------------|------------------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                        |                                |                                          | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 121         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 11 Mayoral Drive               | 15 Mayoral Drive                         | 1757120     | 5920214 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 123         | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 12 Mayoral Drive B             | 12 Mayoral Dr                            | 1757159     | 5920147 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
|               | 127         | High         | High            | 0             | 21           | Central Auckland (CBD) | 1 Victoria Street West         | 1 Victoria Street West, Auckland Central | 1757344     | 5920426 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 128         | Low          | High            | 2             | 21           | Central Auckland (CBD) | 11 Victoria Street East        | 11 Victoria Street West                  | 1757375     | 5920413 |                                                | Waitemata Harbour - CBD Edge | 2                | Moderate                     | 3                | Low                       | 1              | 1               |
| -             | 129         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 19 Victoria Street West        | 11 Victoria Street West                  | 1757350     | 5920445 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 130         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 15 Albert Street               | 15 Albert Street                         | 1757368     | 5920856 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 131         | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | Wolfe Street/ Hobson Street    | 1 Hobson Street                          | 1757195     | 5920913 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
| -             | 134         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Durham Lane                    | 9 - 11 Durham Lane                       | 1757350     | 5920581 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 167         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 74 Cook Street                 | 74 Cook St, Freemans Bay                 | 1756671     | 5920233 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 169         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Fanshawe Street/ Nelson Street | 10 Nelson Street                         | 1757026     | 5920810 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 172         | Medium       | High            | 2             | 21           | Central Auckland (CBD) | 1 London Street                | 1 London Street, Ponsonby                | 1755956     | 5921014 |                                                | Waitemata Harbour - CBD Edge | 2                | High                         | 3                | Low                       | 1              | 1               |
| -             | 176         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Union Street                   | Union Street                             | 1756333     | 5920453 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 178         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 43 College Hill                | 43 College Hill, Freemans Bay            | 1755898     | 5920557 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|------------------------|----------------------------|------------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                        |                            |                                    | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 180         | High         | High            | 2             | 21           | Central Auckland (CBD) | 16 Hackett Street          | 16 Hackett Street, Ponsonby        | 1755581     | 5921065 |                                                | Waitemata Harbour - CBD Edge | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| DPWTN         | 183         | Medium       | High            | 2             | 21           | Central Auckland (CBD) | 95 Wellington Street       | 79 Wellington Street, Freemans Bay | 1756236     | 5920065 |                                                | Waitemata Harbour - CBD Edge | 2                | High                         | 3                | Low                       | 1              | 1               |
|               | 477         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 69 St Georges Bay Road     | 69 St Georges Bay Road, Parnell    | 1759083     | 5919907 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 478         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 22 Avon Street             | 22 Avon Street, Parnell            | 1759080     | 5919928 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 479         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 22 Stratford Street        | 22 Stratford Street, Parnell       | 1759088     | 5919857 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 482         | Low          | High            | 2             | 21           | Central Auckland (CBD) | 11 Farnham Street          | 11 Farnham Street, Parnell         | 1758864     | 5920107 |                                                | Waitemata Harbour - CBD Edge | 2                | Moderate                     | 3                | Low                       | 1              | 1               |
|               | 487         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 106 St Georges Bay Road    | 106 St Georges Bay Road, Parnell   | 1758914     | 5920059 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 518         | Medium       | High            | 2             | 21           | Central Auckland (CBD) | 5 Cheshire Street          | 5 Cheshire Street, Parnell         | 1758443     | 5919852 |                                                | Waitemata Harbour - CBD Edge | 2                | High                         | 3                | Low                       | 1              | 1               |
|               | 521         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 6 Ngahere Terrace          | 6 Ngahere Terrace, Stanley         | 1758576     | 5919599 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 522         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 3 Domain Drive             | 3 Domain Dr, Parnell               | 1758796     | 5919017 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 524         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 8 Grafton Road             | 8 Grafton Road, Grafton            | 1757831     | 5920076 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 528         | Low          | Low             | 1             | 21           | Central Auckland (CBD) | 2 Stanley Street           | 2 Stanley Street                   | 1758261     | 5920192 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 529         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 6 - 18 Symonds Street      | 6 Symond Street, Parnell           | 1757952     | 5920184 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|------------------------|------------------------------|---------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                        |                              |                                 | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
|               | 530         | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 5 Alten Street               | 5 Alten Road                    | 1758087     | 5920192 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
|               | 532         | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 1 Augustus Terrace           | 1 Augustus Terrace, Parnell     | 1758377     | 5920158 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |
|               | 534         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Mutu Street                  | Mutu Street, Stanley            | 1758405     | 5920108 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 535         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Bedford Street               | Bedford Street, Stanley         | 1758458     | 5920088 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 536         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 3 Ferncroft Street           | 3 Ferncroft Street, Grafton     | 1757553     | 5919328 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 542         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 38 Whitaker Place            | 38 Whitaker Place, Grafton      | 1757542     | 5919516 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 545         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | Symonds Street/ Grafton Road | 20 - 26 Symonds Street, Grafton | 1757844     | 5919923 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 551         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 2 Kari Street                | 2 Kari Street, Grafton          | 1757765     | 5919418 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 557         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 3 Glenside Crescent          | 3 Glenside Crescent, Stanley    | 1757122     | 5918983 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 593         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 31 Cheshire Terrace          | 31 Cheshire Terrace, Parnell    | 1758606     | 5919740 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
| DPFRN         | 658         | Medium       | Medium          | 1             | 21           | Central Auckland (CBD) | 32 Cheshire Terrace          | 32 Cheshire Terrace, Parnell    | 1758878     | 5920106 |                                                | Waitemata Harbour - CBD Edge | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |
| DPFAN         | 659         | Low          | Low             | 1             | 21           | Central Auckland (CBD) | 33 Cheshire Terrace          | 33 Cheshire Terrace, Parnell    | 1756748     | 5920737 |                                                | Waitemata Harbour - CBD Edge | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 712         | High         | High            | 2             | 21           | Central Auckland (CBD) | 34 Cheshire Terrace          | 34 Cheshire Terrace, Parnell    | 1756096     | 5920479 |                                                | Waitemata Harbour - CBD Edge | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
|               | 735         | Low          | Medium          | 2             | 21           | Central Auckland (CBD) | 35 Cheshire Terrace          | 35 Cheshire Terrace, Parnell    | 1758080     | 5919837 |                                                | Waitemata Harbour - CBD Edge | 2                | Low                          | 3                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|------------------------|----------------------------|--------------------------------|-------------|---------|------------------------------------------------|--------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                        |                            |                                | Ref X       | Ref Y   |                                                |                                      |                  |                              |                  |                           |                |                 |
|               | 737         | Low          | Low             | 2             | 21           | Central Auckland (CBD) | 36 Cheshire Terrace        | 36 Cheshire Terrace, Parnell   | 1757500     | 5920547 |                                                | Waitemata Harbour - CBD Edge         | 2                | Very low                     | 3                | Very low                  | 1              | 1               |
|               | 1020        | Low          | High            | 2             | 21           | Central Auckland (CBD) | 37 Cheshire Terrace        | 37 Cheshire Terrace, Parnell   | 1755954     | 5921011 |                                                | Waitemata Harbour - CBD Edge         | 2                | Moderate                     | 3                | Low                       | 1              | 1               |
| -             | 160         | Medium       | High            | 2             | 22           | Hobson Bay             | 45 Ascot Avenue            | 45 Ascot Avenue, Remuera       | 1760504     | 5916412 |                                                | Waatarua Reserve Stream              | 3                | Moderate                     | 3                | Moderate                  | 2              | 1               |
| -             | 164         | Low          | Low             | 2             | 22           | Hobson Bay             | 23A Inverary Avenue        | 23a Inverary Avenue, Epsom     | 1757959     | 5916278 |                                                | To land                              |                  |                              |                  |                           |                |                 |
| -             | 193         | High         | High            | 2             | 22           | Hobson Bay             | 35 Yattendon Road          | 35 Yattendon Road, St Heliers  | 1766093     | 5919956 |                                                | St Heliers Bay                       | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 212         | Low          | Low             | 2             | 22           | Hobson Bay             | 54 Speight Road            | 54 Speight Road, Kohimarama    | 1764680     | 5919878 |                                                | Madill's Stream                      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 213         | Low          | Medium          | 2             | 22           | Hobson Bay             | 59 Baddeley Avenue         | 59 Baddeley Avenue, Kohimarama | 1764338     | 5919338 |                                                | Madill's Stream                      | 2                | High                         | 2                | High                      | 1              | 1               |
| -             | 214         | Low          | Low             | 2             | 22           | Hobson Bay             | 64 Hawera Road             | 64 Hawera Road, Kohimarama     | 1764096     | 5919532 |                                                | Madill's Stream                      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 215         | Low          | Medium          | 2             | 22           | Hobson Bay             | 74 Hawera Road             | 74 Hawera Road, Kohimarama     | 1764212     | 5919542 |                                                | Madill's Stream                      | 2                | High                         | 2                | High                      | 1              | 1               |
| -             | 272         | Low          | Low             | 2             | 22           | Hobson Bay             | 159 Orakei Road            | Orakei Road, Orakei            | 1761047     | 5918159 |                                                | Unnamed stream flowing to Hobson Bay | 2                | Moderate                     | 1                | High                      | 2              | 1               |
| -             | 273         | Medium       | High            | 2             | 22           | Hobson Bay             | 35 Entrican Avenue         | Entrican Avenue, Orakei        | 1761094     | 5916989 |                                                | Unnamed stream flowing to Hobson Bay | 2                | Very high                    | 1                | Very high                 | 2              | 1               |
| -             | 274         | Low          | Low             | 1             | 22           | Hobson Bay             | Tonks Street WWPS          | 3 Tonks Street, Remuera        | 1761052     | 5918282 | > 8 hours                                      | Hobson Bay                           | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 276         | Low          | High            | 2             | 22           | Hobson Bay             | 58 Kelvin Road             | 58 Kelvin Road, Remuera        | 1761965     | 5917486 |                                                | Meadowbank Stream West               | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| -             | 277         | Low          | Low             | 2             | 22           | Hobson Bay             | 126 Ngapuhi Road           | 126 Ngapuhi Road, Remuera      | 1761999     | 5917859 |                                                | Orakei Creek                         | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|---------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                 | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 279         | Medium       | High            | 2             | 22           | Hobson Bay     | 188 Upland Road            | 188 Upland Road, Remuera        | 1761132     | 5918109 |                                                | Hobson Bay                   | 2                | Very high                    | 1                | Very high                 | 1              | 1               |
| -             | 280         | Medium       | High            | 2             | 22           | Hobson Bay     | 12a Woodley Avenue         | 12 Woodley Avenue, Remuera      | 1761154     | 5916888 |                                                | Orakei Basin                 | 1                | Very high                    | 1                | Very high                 | 1              | 1               |
| -             | 281         | Medium       | High            | 2             | 22           | Hobson Bay     | 49 Ngapuhi Road            | 47 Ngapuhi Road, Remuera        | 1761853     | 5917335 |                                                | Meadowbank Stream West       | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| -             | 282         | Low          | Low             | 2             | 22           | Hobson Bay     | 118 Ngapuhi Road           | 118 Ngapuhi Road, Remuera       | 1761950     | 5917811 |                                                | Orakei Creek                 | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 284         | High         | High            | 2             | 22           | Hobson Bay     | 84 Meadowbank Road         | 84 Meadowbank Road, Meadowbank  | 1762417     | 5917660 |                                                | Orakei Creek                 | 2                | Very high                    | 1                | Very high                 | 1              | 1               |
| -             | 285         | Medium       | High            | 2             | 22           | Hobson Bay     | 77 Meadowbank Road         | 77 Meadowbank Road, Meadowbank  | 1762477     | 5917730 |                                                | Orakei Creek                 | 2                | High                         | 1                | High                      | 1              | 1               |
| -             | 286         | Low          | Low             | 2             | 22           | Hobson Bay     | 44a Benson Road            | 44a Benson Road, Remuera        | 1761229     | 5917840 |                                                | Orakei Basin                 | 1                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 287         | Medium       | Medium          | 2             | 22           | Hobson Bay     | 148 Lucerne Road           | 148 Lucerne Road, Remuera       | 1762065     | 5918123 |                                                | Orakei Creek                 | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |
| DPFRN         | 288         | Medium       | High            | 2             | 22           | Hobson Bay     | 2 Bonnie Brae Road         | 100 Meadowbank Road, Meadowbank | 1762472     | 5917822 |                                                | Orakei Creek                 | 2                | High                         | 1                | High                      | 1              | 1               |
| DPFAN         | 289         | Low          | Medium          | 2             | 22           | Hobson Bay     | 93 Waiatarua Road          | 108 Waiatarua Road, Meadowbank  | 1762170     | 5917785 |                                                | Orakei Creek                 | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DSB05, MH2A   | 295         | Low          | Low             | 2             | 22           | Hobson Bay     | 14 Rangitoto Avenue        | 14 Rangitoto Avenue, Remuera    | 1760962     | 5917244 |                                                | Orakei Basin                 | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DSORM, MH19A  | 296         | Low          | Low             | 2             | 22           | Hobson Bay     | 17 Benson Road             | 17 Benson Road, Remuera         | 1761028     | 5917721 |                                                | Orakei Basin                 | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DSB4B, MH2A   | 350         | Medium       | High            | 2             | 22           | Hobson Bay     | 44 Rukutai Street          | 44 Rukutai Street, Orakei       | 1762869     | 5919523 |                                                | Unnamed stream - Mission Bay | 3                | Moderate                     | 3                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|---------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                 | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 351         | Low          | Medium          | 2             | 22           | Hobson Bay     | 125 Aotea Street           | 125 Aotea Street, Orakei        | 1762885     | 5919784 |                                                | Unnamed stream - Mission Bay | 3                | Low                          | 3                | Low                       | 1              | 1               |
| -             | 352         | Low          | Medium          | 2             | 22           | Hobson Bay     | 49 Rukutai Street          | 49 Rukutai Street, Orakei       | 1762889     | 5919418 |                                                | Unnamed stream - Mission Bay | 3                | Low                          | 3                | Low                       | 1              | 1               |
| -             | 353         | Medium       | High            | 2             | 22           | Hobson Bay     | 2b Nihill Crescent         | 2b Nihill Crescent, Mission Bay | 1762985     | 5919974 |                                                | Unnamed stream - Mission Bay | 3                | Moderate                     | 3                | Moderate                  | 1              | 1               |
| -             | 420         | Low          | Low             | 2             | 22           | Hobson Bay     | 14 Mahuru Street           | 14 Mahuru Street, Newmarket     | 1758465     | 5917707 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 421         | Medium       | High            | 2             | 22           | Hobson Bay     | 29 Ayr Street A            | 29 Ayr Street, Newmarket        | 1758837     | 5918410 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 422         | Low          | Low             | 2             | 22           | Hobson Bay     | 27 Morrow Street           | 27 Morrow Street, Newmarket     | 1758230     | 5918067 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 423         | Low          | Low             | 2             | 22           | Hobson Bay     | 8 Remuera Road B           | 8 Remuera Road, Newmarket       | 1758534     | 5918223 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 424         | Low          | Medium          | 2             | 22           | Hobson Bay     | 29 Ayr Street B            | 29 Ayr Street, Newmarket        | 1758831     | 5918434 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 425         | Low          | Low             | 2             | 22           | Hobson Bay     | 10 St Marks Road           | 10 St Marks Road, Remuera       | 1758644     | 5917583 |                                                | Newmarket Stream             | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| DPTON         | 427         | Low          | Low             | 2             | 22           | Hobson Bay     | Kingdon Street             | Kingdon Street, Newmarket       | 1758359     | 5918520 |                                                | Newmarket Stream             | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 428         | Low          | Low             | 2             | 22           | Hobson Bay     | 6 Parkfield Terrace        | 12 Parkfield Terrace, Grafton   | 1757628     | 5918653 |                                                | Newmarket Stream             | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 448         | Low          | High            | 2             | 22           | Hobson Bay     | 17 Watene Crescent         | 17 Watene Crescent, Orakei      | 1761865     | 5919910 |                                                | Okahu Bay                    | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 449         | Low          | Medium          | 2             | 22           | Hobson Bay     | 66 Paritai Drive           | 66 Paritai Drive, Orakei        | 1761309     | 5919963 |                                                | Orakei Marina                | 2                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| -             | 451         | Low          | Medium          | 2             | 22           | Hobson Bay     | 27 Ngapipi Road            | 36 Ngapipi Road, Orakei         | 1761371     | 5919385 |                                                | Lower Purewa Creek           | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 452         | Medium       | Medium          | 2             | 22           | Hobson Bay     | 18 Ngapipi Road            | 18 Ngapipi Road, Orakei         | 1761368     | 5919593 |                                                | Lower Purewa Creek           | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------------|-----------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                                  |                             | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 453         | Low          | Medium          | 2             | 22           | Hobson Bay     | 12a Okahu Street                 | 12a Okahu Street, Orakei    | 1761738     | 5919963 |                                                | Okahu Bay                  | 1                | Moderate                     | 2                | Low                       | 1              | 1               |
| -             | 454         | High         | High            | 2             | 22           | Hobson Bay     | 34-36 Apihai Street              | 34-36 Apihai Street, Orakei | 1762117     | 5919727 |                                                | Okahu Bay                  | 1                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 455         | Medium       | High            | 2             | 22           | Hobson Bay     | 63 Reihana Street                | 63 Reihana Street, Orakei   | 1762302     | 5919440 |                                                | Okahu Bay                  | 1                | Very high                    | 2                | High                      | 1              | 1               |
| -             | 456         | Low          | High            | 2             | 22           | Hobson Bay     | 88 Reihana Street                | 88 Reihana Street, Orakei   | 1762429     | 5919171 |                                                | Okahu Bay                  | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 457         | Low          | Medium          | 2             | 22           | Hobson Bay     | 36 Reihana Street                | 20 Reihana Street, Orakei   | 1762284     | 5919865 |                                                | Okahu Bay                  | 1                | Moderate                     | 2                | Low                       | 1              | 1               |
| -             | 458         | Low          | High            | 2             | 22           | Hobson Bay     | 88 Paritai Drive                 | 88 Paratai Drive, Orakei    | 1761043     | 5919909 |                                                | Lower Purewa Creek         | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |
| -             | 493         | Low          | Low             | 2             | 22           | Hobson Bay     | 32 Takutai Street                | 32 Takutai Street, Parnell  | 1759598     | 5919319 |                                                | Hobson Bay                 | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 494         | Low          | Medium          | 2             | 22           | Hobson Bay     | 3 Papahia Street                 | 3 Papahia Street, Parnell   | 1759731     | 5919573 |                                                | Hobson Bay                 | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |
| -             | 495         | Low          | Medium          | 2             | 22           | Hobson Bay     | 43 Tohunga Street                | 43 Tohunga Street, Parnell  | 1759509     | 5919226 |                                                | Hobson Bay                 | 2                | Moderate                     | 1                | Moderate                  | 1              | 1               |
| -             | 496         | Low          | Low             | 2             | 22           | Hobson Bay     | 28 Crescent Road                 | 28 Crescent, Parnell        | 1759796     | 5919809 |                                                | Hobson Bay                 | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 498         | Low          | Medium          | 1             | 22           | Hobson Bay     | Portland Road North Pump Station | 201 Portland Road, Remuera  | 1760129     | 5918642 |                                                | Waitaramoa Stream          | 3                | Low                          | 1                | Very high                 | 1              | 1               |
| -             | 500         | Low          | Low             | 2             | 22           | Hobson Bay     | 20 Spencer Street                | Spencer Street, Remuera     | 1760146     | 5917822 |                                                | Waitaramoa Stream          | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 501         | Low          | Low             | 2             | 22           | Hobson Bay     | 23a Portland Road                | 23a Portland Road, Remuera  | 1760043     | 5917053 |                                                | Waitaramoa Stream          | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 502         | Low          | Medium          | 2             | 22           | Hobson Bay     | 21 Ingram Road                   | 21 Ingram Road, Remuera     | 1760150     | 5918058 |                                                | Waitaramoa Stream          | 3                | Low                          | 1                | Very high                 | 1              | 1               |

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|               |             |              |                 |               |              |                |                                  |                                | Ref X       | Ref Y   |                                                |                                          |                  |                              |                  |                           |                |                 |
| -             | 503         | Low          | Low             | 2             | 22           | Hobson Bay     | 68 Portland Road                 | 68 Portland Road, Remuera      | 1759891     | 5917711 |                                                | Waitaramoa Stream                        | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 504         | Low          | High            | 2             | 22           | Hobson Bay     | 20 Standen Avenue                | 20 Standen Avenue, Remuera     | 1759973     | 5918193 |                                                | Waitaramoa Stream                        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
| -             | 505         | Medium       | High            | 2             | 22           | Hobson Bay     | 9 Scherff Road                   | 9 Scherff Road, Remuera        | 1759996     | 5918027 |                                                | Waitaramoa Stream                        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
| -             | 506         | Low          | High            | 2             | 22           | Hobson Bay     | 20 Hapua Road                    | 20 Hapua Street, Remuera       | 1759581     | 5918322 |                                                | Unnamed stream in Thomas Bloodworth Park | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 507         | Low          | Low             | 1             | 22           | Hobson Bay     | Portland Road South Pump Station | 157 Portland Road, Remuera     | 1760143     | 5918319 |                                                | Waitaramoa Stream                        | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 508         | Low          | High            | 2             | 22           | Hobson Bay     | 32 Hapua Street                  | 32 Hapua Street, Remuera       | 1759477     | 5918279 |                                                | Unnamed stream in Thomas Bloodworth Park | 2                | Very high                    | 2                | Very high                 | 1              | 1               |
| -             | 509         | Medium       | High            | 2             | 22           | Hobson Bay     | 113 Brighton Road A              | Brighton Road, Parnell         | 1759391     | 5918792 |                                                | Newmarket Stream                         | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 511         | High         | High            | 2             | 22           | Hobson Bay     | 158 Bassett Road                 | 158 Bassett Road, Remuera      | 1759171     | 5918625 |                                                | Newmarket Stream                         | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 512         | Low          | Low             | 2             | 22           | Hobson Bay     | 3A Laxon Terrace A               | 3a Laxon Terrace, Newmarket    | 1758837     | 5918571 |                                                | Newmarket Stream                         | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 513         | Low          | Low             | 2             | 22           | Hobson Bay     | 3A Laxon Terrace B               | 3a Laxon Terrace, Newmarket    | 1758820     | 5918555 |                                                | Newmarket Stream                         | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 514         | Medium       | High            | 2             | 22           | Hobson Bay     | 63 Tahapa Crescent               | 63 Tahapa Crescent, Meadowbank | 1762523     | 5918286 |                                                | Upper Purewa Creek                       | 3                | Low                          | 1                | High                      | 1              | 2               |
| -             | 515         | Medium       | High            | 2             | 22           | Hobson Bay     | 11 Purewa Road                   | 11 Purewa Road, Meadowbank     | 1762283     | 5918367 |                                                | Upper Purewa Creek                       | 3                | Low                          | 1                | High                      | 1              | 2               |
| -             | 586         | Low          | Low             | 2             | 22           | Hobson Bay     | 39 Manawa Road                   | 36 Manawa Road, Remuera        | 1760848     | 5918189 |                                                | Remuera Stream                           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 587         | Low          | High            | 2             | 22           | Hobson Bay     | 24 Manawa Road                   | 26 Manawa Road, Remuera        | 1760707     | 5918208 |                                                | Remuera Stream                           | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |



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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|-------------------------------|-------------|---------|------------------------------------------------|------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                               | Ref X       | Ref Y   |                                                |                              |                  |                              |                  |                           |                |                 |
| -             | 588         | Medium       | High            | 2             | 22           | Hobson Bay     | 24 Mahor Avenue            | 26 Mahoe Avenue, Remuera      | 1760659     | 5917998 |                                                | Remuera Stream               | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
| -             | 597         | Low          | Low             | 2             | 22           | Hobson Bay     | 296 Victoria Avenue        | 296 Victoria Avenue, Remuera  | 1760351     | 5918606 |                                                | Waitaramoa Stream            | 3                | Very low                     | 1                | High                      | 1              | 1               |
| -             | 598         | Low          | Low             | 1             | 22           | Hobson Bay     | Abbotts Way WWPS           | 68-76 Abbotts Way, Remuera    | 1761947     | 5916064 | 4 - 8 hours                                    | Waiatarua Reserve Stream     | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | 602         | Low          | Low             | 1             | 22           | Hobson Bay     | Atkin Avenue WWPS          | 21 Atkin Ave, Mission Bay     | 1763032     | 5920278 | 4 - 8 hours                                    | Unnamed stream - Mission Bay | 3                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 603         | Low          | Low             | 1             | 22           | Hobson Bay     | Averill Avenue WWPS        | 4 Averill Ave, Kohimarama     | 1764246     | 5920135 | > 8 hours                                      | Kohimarama Beach             | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPGIL         | 611         | Low          | Low             | 1             | 22           | Hobson Bay     | Gillies Ave WWPS           | 64 John Rymer Pl, Kohimarama  | 1757854     | 5916212 | > 8 hours                                      | Unknown                      | 0                |                              | 0                |                           | 0              | 0               |
| -             | 613         | Low          | Low             | 1             | 22           | Hobson Bay     | Grand Drive WWPS           | 31 Grand Drive, Remuera       | 1762261     | 5916282 | > 8 hours                                      | Waiatarua Reserve Stream     | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | 620         | Low          | Low             | 1             | 22           | Hobson Bay     | John Rymer Place WWPS      | 64 John Rymer Pl, Kohimarama  | 1763816     | 5918478 | > 8 hours                                      | Purewa Stream                | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| -             | 626         | Low          | Low             | 1             | 22           | Hobson Bay     | Meadowbank Road WWPS       | 83 Meadowbank Rd, Meadowbank  | 1762527     | 5917774 | > 8 hours                                      | Meadowbank Stream East       | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | 632         | Low          | Medium          | 1             | 22           | Hobson Bay     | Purewa Road WWPS           | 1 Purewa Road, Meadowbank     | 1762111     | 5918436 | No information available                       | To land                      |                  |                              |                  |                           |                |                 |
| -             | 641         | Medium       | Medium          | 1             | 22           | Hobson Bay     | St Heliers WWPS            | 92 Tamaki Drive, St Heliers   | 1765393     | 5920063 | 4 - 8 hours                                    | St Heliers Bay               | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 642         | Low          | Low             | 1             | 22           | Hobson Bay     | Tamaki Drive WWPS          | 305 Tamaki Drive, Kohimarama  | 1764684     | 5920029 | > 8 hours                                      | Madill's Stream              | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 643         | Low          | Low             | 1             | 22           | Hobson Bay     | Tamaki Yacht Club WWPS     | 30c Tamaki Yacht Club, Orakei | 1762666     | 5920862 | > 8 hours                                      | Tamaki Yacht Club            | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| -             | 663         | Medium       | Medium          | 1             | 22           | Hobson Bay     | Kohimarama Wholesale WWPS  | 6 Baddeley Avenue, Kohimarama | 1764582     | 5919662 | 1 - 4 hours                                    | Madill's Stream              | 2                | High                         | 2                | High                      | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|---------------------------------------------------------------|-----------------------------|-------------|---------|------------------------------------------------|------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                                                               |                             | Ref X       | Ref Y   |                                                |                                          |                  |                              |                  |                           |                |                 |
| -             | 696         | Low          | Low             | 1             | 22           | Hobson Bay     | Orakei Wholesale WWPS                                         | Okahu Street, Orakei        | 1761744     | 5919995 | 4 - 8 hours                                    | Okahu Bay                                | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| -             | 704         | Low          | Low             | 1             | 22           | Hobson Bay     | Shore Road Wholesale WWPS                                     | Shore Road, Remuera         | 1759479     | 5918598 | 1 - 4 hours                                    | Unnamed stream in Thomas Bloodworth Park | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| -             | 709         | Medium       | Medium          | 2             | 22           | Hobson Bay     | Branch 1A Remuera MH1                                         | Tamaki Drive, Orakei        | 1762143     | 5920335 |                                                | Okahu Bay                                | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 711         | Low          | Low             | 2             | 22           | Hobson Bay     | Branch 3 Newmarket MH29                                       | Manukau Road, New Market    | 1758396     | 5917486 |                                                | Newmarket Stream                         | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 730         | Medium       | High            | 2             | 22           | Hobson Bay     | Branch 3B Newmarket MH2                                       | Judges Bay Road, Parnell    | 1759388     | 5920131 |                                                | Judges Bay                               | 1                | Very high                    | 1                | Very high                 | 1              | 1               |
| -             | 733         | High         | High            | 2             | 22           | Hobson Bay     | Branch 3C Newmarket MH1                                       | Furneaux Way, Remuera       | 1758759     | 5918397 |                                                | Newmarket Stream                         | 3                | Moderate                     | 2                | Very high                 | 1              | 1               |
| -             | 760         | Low          | Low             | 2             | 22           | Hobson Bay     | Hobson DS Branch MH1                                          | Victoria Avenue, Hobson Bay | 1760696     | 5918901 |                                                | Hobson Bay                               | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 1405        | Low          | Low             | 1             | 22           | Hobson Bay     | Stonefields Pump Station                                      | Stonefields, Mt Wellington  | 1763686     | 5915736 | > 8 hours                                      | Waiatarua Reserve Stream                 | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | 1520        | Low          | Low             | 2             | 22           | Hobson Bay     | Orakei Sewer Main Hobson Diversion - Logan Terrace drop shaft | 29R Logan Terrace, Parnell  | 1759704     | 5919354 |                                                | Hobson Bay                               | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 1522        | Low          | High            | 2             | 22           | Hobson Bay     | 15 Dempsey Street                                             | 15 Dempsey Street           | 1761079     | 5917849 |                                                | Unnamed stream flowing to Hobson Bay     | 2                | High                         | 1                | Very high                 | 2              | 1               |
| -             | 1532        | Low          | Medium          | 2             | 22           | Hobson Bay     | 84 Reihana St                                                 | 84 Reihana Street, Orakei   | 1762406     | 5919233 |                                                | Okahu Bay                                | 1                | Moderate                     | 2                | Low                       | 1              | 1               |
|               | 1574        | Low          | Low             | 2             | 22           | Hobson Bay     | 21 Judges Bay Rd                                              | 21 Judges Bay Rd, Parnell   | 1759459     | 5920211 |                                                | Judges Bay                               | 1                | Low                          | 1                | Low                       | 1              | 1               |
|               | 1580        | Low          | Low             | 2             | 22           | Hobson Bay     | 4 St Marks Rd                                                 | 4 St Marks Rd, Remuera      | 1758738     | 5917679 |                                                | Newmarket Stream                         | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|---------------------------|-----------------------------------|-------------|---------|------------------------------------------------|-------------------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                           |                                   | Ref X       | Ref Y   |                                                |                                                             |                  |                              |                  |                           |                |                 |
| -             | 1598        | Low          | Low             | 2             | 22           | Hobson Bay     | 21 Apr St                 | 21 Apr St, Parnell                | 1758933     | 5918759 |                                                | Newmarket Stream                                            | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPAL1         | 208         | Low          | Medium          | 1             | 23           | Onehunga       | 25 Aldersgate Rd WWPS     | 25 Aldersgate Road, Hillsborough  | 1755658     | 5911422 | 1 - 4 hours                                    | Unnamed stream (flowing to Wesley Bay)                      | 2                | High                         | 2                | High                      | 1              | 1               |
| DPAL2         | 209         | Low          | Medium          | 1             | 23           | Onehunga       | 72 Aldersgate Rd WWPS     | 72 Aldersgate Road, Waikowhai     | 1755277     | 5911100 | 4 - 8 hours                                    | Wesley Bay                                                  | 2                | Moderate                     | 1                | Low                       | 1              | 1               |
| DPGLT         | 210         | Low          | Low             | 1             | 23           | Onehunga       | Gilletta Rd WWPS          | 70a Gilletta Road, Blockhouse Bay | 1752438     | 5911903 | > 8 hours                                      | Lynfield Cove                                               | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPWAL         | 470         | Low          | Low             | 1             | 23           | Onehunga       | Walls Rd WWPS             | 45 Walls Road, Penrose            | 1761102     | 5913758 | > 8 hours                                      | Stormwater Detention Pond                                   | 3                | Very low                     | 3                | Very low                  | 2              | 2               |
| DPBJD         | 604         | Low          | Low             | 1             | 23           | Onehunga       | Ben James Dr WWPS         | 2 Ben James Drive, Hillsborough   | 1755800     | 5911474 | > 8 hours                                      | Unnamed stream (flowing to Wesley Bay)                      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| DPCSR         | 605         | Low          | Low             | 1             | 23           | Onehunga       | Captain Springs Rd WWPS   | Captain Springs Rd, Onehunga      | 1760412     | 5911772 | > 8 hours                                      | Mangere Inlet North                                         | 2                | Low                          | 1                | Low                       | 1              | 2               |
| DPHIM         | 615         | Low          | Low             | 1             | 23           | Onehunga       | Himalaya Cr WWPS          | 12 Himalaya Cres, Lynfield        | 1752881     | 5911134 | > 8 hours                                      | Manukau Harbour edge (between Lynfield Cove and Wattle Bay) | 3                | Very low                     | 1                | Very low                  | 2              | 2               |
| DPSY2         | 640         | Low          | Low             | 1             | 23           | Onehunga       | 44 Sylvania Cr WWPS       | 42 Sylvania Cres, Lynfield        | 1753386     | 5910832 | > 8 hours                                      | Manukau Harbour edge (between Lynfield Cove and Wattle Bay) | 3                | Very low                     | 1                | Very low                  | 2              | 2               |
| DPWBG         | 653         | Low          | Low             | 1             | 23           | Onehunga       | Wesley Bay Glade WWPS     | 6 Wesley Bay Glade, Hillsborough  | 1755705     | 5911244 | 1 - 4 hours                                    | Unnamed stream (flowing to Wesley Bay)                      | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
| DPONE         | 668         | Medium       | Medium          | 1             | 23           | Onehunga       | Hillsborough WWPS         | Wharangi Street, Onehunga         | 1758511     | 5911748 | 1 - 4 hours                                    | Onehunga Bay                                                | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| DPSMT         | 669         | Low          | Low             | 1             | 23           | Onehunga       | Mt Smart WWPS             | 343 Neilson Street, Te Papapa     | 1761401     | 5911912 | 1 - 4 hours                                    | Mangere Inlet North                                         | 2                | Low                          | 1                | Low                       | 1              | 2               |
| DPPPT         | 674         | Low          | Low             | 1             | 23           | Onehunga       | Pikes Point WWPS          | 5a Miami Parade, Te Papapa        | 1760896     | 5911494 | 1 - 4 hours                                    | Unnamed stream (Miami Parade)                               | 3                | Very low                     | 3                | Very low                  | 2              | 2               |

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|               |             |              |                 |               |              |                |                            |                                   | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPONT         | 679         | Low          | Medium          | 1             | 23           | Onehunga       | Onehunga WWPS              | Neilson Street, Onehunga          | 1759926     | 5911752 | 1 - 4 hours                                    | Mangere Inlet North        | 2                | Moderate                     | 1                | Moderate                  | 1              | 2               |
| DPLYF         | 705         | Low          | Low             | 1             | 23           | Onehunga       | Lynnfield WWPS             | 21 Commodore Drive, Lynnfield     | 1753044     | 5912078 | 1 - 4 hours                                    | Wairaki Stream             | 2                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| DPHBH         | 1178        | Low          | Low             | 1             | 23           | Onehunga       | 420 Hillsborough Rd WWPS   | 420 Hillsborough Road, Mt Roskill | 1754437     | 5911225 | > 8 hours                                      | Waikowhai Bay              | 1                | Low                          | 1                | Very low                  | 2              | 1               |
| DPRVK         | 1179        | Low          | Low             | 1             | 23           | Onehunga       | 25 Royal Viking WWPS       | 25 Royal Viking Way, Lynnfield    | 1752565     | 5911919 | 4 - 8 hours                                    | Wairaki Stream             | 2                | Moderate                     | 2                | Moderate                  | 2              | 1               |
|               | 1541        | Low          | Low             | 2             | 23           | Onehunga       | 40 Beachcroft Ave          | 40 Beachcroft Ave, Onehunga       | 1757781     | 5912310 | #VALUE!                                        | Onehunga Bay               | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| -             | 466         | Low          | Low             | 2             | 24           | Mangere        | 20 Chelsea Avenue          | 20 Chelsea Avenue, Otahuhu        | 1763374     | 5908741 |                                                | To land                    |                  |                              |                  |                           |                |                 |
| DPSAL         | 468         | Low          | Low             | 1             | 24           | Mangere        | Saleyards Rd               | 31a Salesyard Road, Otahuhu       | 1763277     | 5909912 | 4 - 8 hours                                    | Tui Creek                  | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPSYL         | 582         | Low          | Low             | 1             | 24           | Mangere        | Sylvia Park WWPS           | 1018 Great South Road, Otahuhu    | 1763219     | 5911966 | 4 - 8 hours                                    | Ann's Creek                | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPFAV         | 664         | Low          | Low             | 1             | 24           | Mangere        | Favona Rd                  | 137 Gadsby Road, Favona           | 1761120     | 5908712 | 1 - 4 hours                                    | Harania Creek              | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPWTF         | 672         | Low          | Low             | 1             | 24           | Mangere        | Westfield WWPS             | Hugo Johnston Drive, Penrose      | 1762920     | 5911492 | < 1 hour                                       | Ann's Creek                | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPTRC         | 677         | High         | Medium          | 1             | 24           | Mangere        | Black Bridge               | 6 Hinau Road, Mangere Bridge      | 1759480     | 5908505 | 1 - 4 hours                                    | Tararata Creek             | 3                | Low                          | 2                | High                      | 1              | 1               |
| DPMGB         | 678         | Low          | Low             | 1             | 24           | Mangere        | Mangere Bridge             | 7D Woodward Avenue, Mangere       | 1758869     | 5910282 | 1 - 4 hours                                    | Ambury Shoreline           | 1                | Low                          | 1                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|---------------------------------------|---------------------------------|-------------|---------|------------------------------------------------|--------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                                       |                                 | Ref X       | Ref Y   |                                                |                                            |                  |                              |                  |                           |                |                 |
| DPOTW         | 680         | Low          | Low             | 1             | 24           | Mangere            | Otahuhu West                          | 20 Salesyard Road, Otahuhu      | 1763311     | 5910003 | 1 - 4 hours                                    | Tui Creek                                  | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DSHLT         | 744         | Low          | Low             | 2             | 24           | Mangere            | Hellabys Trade Waste network overflow | Bell Avenue, Mount Wellington   | 1763054     | 5910871 |                                                | Ann's Creek                                | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| -             | 963         | Low          | Medium          | 2             | 24           | Mangere            | 62 Chelburn Crescent                  | 62 Chelburn Crescent, Mangere   | 1761739     | 5908182 |                                                | Unnamed tributary to Harania Creek (south) | 3                | Low                          | 2                | High                      | 2              | 1               |
| -             | 973         | Low          | Low             | 2             | 24           | Mangere            | 4 Chalfont Street                     | 4 Chalfont St, Mangere East     | 1761994     | 5907434 |                                                | Unnamed tributary to Harania Creek (south) | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPJFD         | 999         | Low          | Low             | 1             | 24           | Mangere            | James Fletcher Drive                  | 178R Favona Road, Favona        | 1762022     | 5909280 | 1 - 4 hours                                    | Harania Creek                              | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPMCK         | 1011        | Low          | Low             | 1             | 24           | Mangere            | Mackenzie Road                        | 142R McKenzie Rd, Mangere       | 1759031     | 5907540 | 1 - 4 hours                                    | Tararata Creek                             | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPSAV         | 1015        | Low          | Low             | 1             | 24           | Mangere            | Savil Drive Link                      | 20R Savil Dr, Papatoetoe        | 1763080     | 5908414 | 1 - 4 hours                                    | Unnamed tributary to Harania Creek (east)  | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPRUA         | 1136        | Low          | Low             | 1             | 24           | Mangere            | Ruaiti Road                           | 25 Ruaiti Road, Mangere         | 1757232     | 5905572 | No information available                       | Oruarangi Creek                            | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| DPLAM         | 1159        | Low          | Low             | 1             | 24           | Mangere            | Lambie Court                          | 11 Yates Road, Mangere          | 1762428     | 5907431 | No information available                       | To land                                    |                  |                              |                  |                           |                |                 |
| DPPO1         | 1192        | Low          | Low             | 1             | 24           | Mangere            | Portage Rd WWPS                       | 63 Portage Rd, Mount Wellington | 1763776     | 5910746 | > 8 hours                                      | Ann's Creek                                | 3                | Very low                     | 1                | Very low                  | 1              | 2               |
| DPHRD         | 1194        | Low          | Low             | 1             | 24           | Mangere            | Huia Rd                               | 81a Huia Road, Otahuhu          | 1763367     | 5909830 | > 8 hours                                      | To land                                    |                  |                              |                  |                           |                |                 |
| DPORU         | 1577        | Low          | Low             | 1             | 24           | Mangere            | Oruarangi WWPS                        | Te Tiki Rd, Ihumatao            | 1757100     | 5904811 | > 8 hours                                      | Oruarangi Creek                            | 1                | High                         | 2                | Moderate                  | 1              | 1               |
| -             | 161         | Medium       | High            | 2             | 25           | Lower Tamaki River | 155 Riverside Avenue                  | 155 Riverside Ave, Tamaki       | 1766365     | 5915758 |                                                | Lower Tamaki River                         | 2                | High                         | 1                | High                      | 1              | 1               |
| -             | 162         | Medium       | High            | 2             | 25           | Lower Tamaki River | 49 Dunkirk Road                       | 49 Dunkirk Road, Panmure        | 1766220     | 5914916 |                                                | Lower Tamaki River                         | 2                | High                         | 1                | High                      | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|------------------------------------|---------------------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                                    |                                       | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| -             | 163         | Low          | Medium          | 2             | 25           | Lower Tamaki River | 34 Riverview Road                  | 34 Riverview Road, Panmure            | 1765964     | 5914295 |                                                | Lower Tamaki River         | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 188         | High         | High            | 2             | 25           | Lower Tamaki River | 6 Concord Place                    | 8 Concord Place, Glen Innes           | 1766526     | 5916894 |                                                | Omaru Creek                | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| -             | 189         | High         | High            | 2             | 25           | Lower Tamaki River | 109 Taniwha Street                 | 109 Taniwha Street, Glen Innes        | 1766607     | 5917098 |                                                | Omaru Creek                | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| DPWTR         | 191         | Low          | Low             | 1             | 25           | Lower Tamaki River | West Tamaki Rd WWPS                | 5 Tahaki Road, Wai O Taiki Bay        | 1767622     | 5917575 | > 8 hours                                      | Lower Tamaki River         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 596         | High         | High            | 2             | 25           | Lower Tamaki River | 197-209 Taniwha Street             | 197-209 Taniwha Street, Point England | 1765544     | 5917114 |                                                | Omaru Creek                | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| DPKRA         | 612         | Low          | Low             | 1             | 25           | Lower Tamaki River | Karaka Bay WWPS                    | Karaka Bay, Glendowie                 | 1767328     | 5920151 | > 8 hours                                      | Karaka Bay                 | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPRID         | 633         | Low          | Low             | 1             | 25           | Lower Tamaki River | Riddell Rd WWPS                    | 417 Riddell Rd, St Heliers            | 1767698     | 5919689 | 4 - 8 hours                                    | Riddell Road Beach         | 2                | Low                          | 2                | Very low                  | 2              | 2               |
| DPENG         | 681         | High         | High            | 1             | 25           | Lower Tamaki River | Pt England WWPS                    | 254 Point England Road, Point England | 1766596     | 5916759 | 1 - 4 hours                                    | Omaru Creek                | 2                | Very high                    | 3                | Moderate                  | 1              | 1               |
| DPGND         | 682         | High         | Medium          | 1             | 25           | Lower Tamaki River | Glendowie WWPS                     | 22 Roberta Avenue, Glendowie          | 1767404     | 5918598 | 1 - 4 hours                                    | Glendowie Stream           | 3                | Low                          | 3                | Low                       | 2              | 1               |
| DPDNK         | 706         | High         | High            | 1             | 25           | Lower Tamaki River | Dunkirk WWPS                       | 192a Dunkirk Road,, Panmure           | 1766357     | 5915647 | 1 - 4 hours                                    | Lower Tamaki River         | 2                | Very high                    | 1                | Very high                 | 1              | 1               |
| DPS018        | 707         | Low          | Low             | 1             | 25           | Lower Tamaki River | Panmure Basin WWPS                 | 100 Ireland Rd, Panmure               | 1764476     | 5914251 | 1 - 4 hours                                    | Panmure Basin              | 2                | Low                          | 1                | Low                       | 1              | 1               |
| DSGLD         | 745         | Low          | Low             | 2             | 25           | Lower Tamaki River | Glendowie Branch Sewer Relief MH13 | 94 Taniwha Street, Glen Innes         | 1766740     | 5917076 |                                                | Omaru Creek                | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |
| DPBEL         | 958         | Low          | Low             | 1             | 25           | Lower Tamaki River | Belmire Rise WWPS                  | 94r Bramley Drive, Pakuranga          | 1768024     | 5915394 | No information available                       | Wakaaranga Creek           | 3                | Very low                     | 1                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|----------------------------|-----------------------------------------|-------------|---------|------------------------------------------------|-----------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                            |                                         | Ref X       | Ref Y   |                                                |                                                     |                  |                              |                  |                           |                |                 |
| DPPKN         | 985         | Low          | Low             | 1             | 25           | Lower Tamaki River | Pakuranga North WWPS       | 103r Prince Regent Drive, Half Moon Bay | 1768961     | 5915446 | 1 - 4 hours                                    | Wakaaranga Creek                                    | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBBH         | 990         | Low          | Low             | 1             | 25           | Lower Tamaki River | Buckland Beach WWPS        | 73a The Parade, Bucklands Beach         | 1769873     | 5917423 | 1 - 4 hours                                    | Little Bucklands Beach                              | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPTPD         | 993         | Low          | Low             | 1             | 25           | Lower Tamaki River | The Parade WWPS            | 1 The Parade, Bucklands Beach           | 1769367     | 5918950 | 1 - 4 hours                                    | Bucklands Beach                                     | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPBRA         | 1008        | Low          | Low             | 1             | 25           | Lower Tamaki River | Bramley Drive WWPS         | 18r Bramley Dr, Pakuranga               | 1767547     | 5915254 | No information available                       | Lower Tamaki River                                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPHMB         | 1168        | Low          | Low             | 1             | 25           | Lower Tamaki River | Halfmoon Bay Marina WWPS   | Half Moon Bay Marina, Howick            | 1769474     | 5916585 | 4 - 8 hours                                    | Half Moon Bay Marina                                | 2                | Low                          | 3                | Very low                  | 1              | 1               |
| DPGRP         | 1174        | Low          | Low             | 1             | 25           | Lower Tamaki River | Granger Point WWPS         | 56r The Parade, Bucklands Beach         | 1769687     | 5917792 | No information available                       | Lower Tamaki River                                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPPNM         | 1187        | Low          | Low             | 1             | 25           | Lower Tamaki River | Panmure Wharf WWPS         | 102 Kings Road, Panmure                 | 1766421     | 5914341 | > 8 hours                                      | Lower Tamaki River                                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBDG         | 1188        | Low          | Low             | 1             | 25           | Lower Tamaki River | Bridge St WWPS             | 13 Bridge Street, Panmure               | 1765563     | 5913856 | > 8 hours                                      | Lower Tamaki River                                  | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWAT         | 1189        | Low          | Low             | 1             | 25           | Lower Tamaki River | Watene Rd WWPS             | 17 Watene Road, Panmure                 | 1765238     | 5913953 | > 8 hours                                      | Panmure Basin                                       | 2                | Low                          | 1                | Low                       | 1              | 1               |
| -             | 1406        | Low          | Low             | 2             | 25           | Lower Tamaki River | 61 - 67 Felton Matthew Ave | 61 - 67 Felton Matthew Ave, St Johns    | 1764865     | 5917367 |                                                | Omaru Creek                                         | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |
| -             | 1533        | Low          | Medium          | 2             | 25           | Lower Tamaki River | 208 Riddell Road           | 208 Riddell Rd, Glendowie               | 1767576     | 5918866 |                                                | Hartland Avenue and Riddell Road Stormwater Culvert | 3                | Low                          | 3                | Low                       | 2              | 1               |
| -             | 1581        | Unknown      | Unknown         | 2             | 25           | Lower Tamaki River | 54 Line Rd                 | 54 Line Rd, St Johns                    | 1765603     | 5917341 |                                                | Omaru Creek                                         | 2                | Moderate                     | 3                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|-----------------------------------|----------------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                                   |                                  | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| DPJAN         | 464         | Low          | Low             | 1             | 26           | Upper Tamaki River | Jane Cowie Place WWPS             | 17899 Jane Cowie Avenue, Otahuhu | 1764430     | 5908446 | 4 - 8 hours                                    | Upper Tamaki River (Middlemore Arm) | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPOTA         | 465         | Medium       | Medium          | 1             | 26           | Upper Tamaki River | Otahuhu North East Wholesale WWPS | 25 Murdoch Street, Otahuhu       | 1765491     | 5910775 |                                                | Otahuhu Creek                       | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| -             | 581         | Low          | Low             | 2             | 26           | Upper Tamaki River | 5 Johnson Road                    | 5 Johnson Road, Mt Wellington    | 1763131     | 5912975 |                                                | Unnamed stream (Mt Wellington)      | 3                | Very low                     | 3                | Very low                  | 1              | 2               |
| -             | 583         | Low          | Low             | 2             | 26           | Upper Tamaki River | 18 Skinner Road                   | 18 Skinner Road, Mt Wellington   | 1762944     | 5913171 |                                                | Unnamed stream (Mt Wellington)      | 3                | Very low                     | 3                | Very low                  | 1              | 2               |
| -             | 584         | Low          | Low             | 2             | 26           | Upper Tamaki River | 14 Skinner Road                   | 14 Skinner Road, Mt Wellington   | 1762952     | 5913248 |                                                | Unnamed stream (Mt Wellington)      | 3                | Very low                     | 3                | Very low                  | 1              | 2               |
| DPPNA         | 628         | Low          | Low             | 1             | 26           | Upper Tamaki River | Panama Road WWPS                  | 350 Panama Rd, Mount Wellington  | 1765642     | 5911484 | 4 - 8 hours                                    | Otahuhu Creek                       | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPPEN         | 630         | Low          | Low             | 1             | 26           | Upper Tamaki River | Penrose Road WWPS                 | 184 Penrose Rd, Mount Wellington | 1763031     | 5913878 | 4 - 8 hours                                    | To land                             |                  |                              |                  |                           |                |                 |
| DPTAH         | 648         | Low          | Low             | 1             | 26           | Upper Tamaki River | Tahatai Street WWPS               | Tahatai St, Otahuhu              | 1764668     | 5909033 | 4 - 8 hours                                    | Upper Tamaki River (Middlemore Arm) | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHIN         | 667         | High         | Medium          | 1             | 26           | Upper Tamaki River | Pakuranga Wholesale WWPS          | 13 Millen Ave, Pakuranga         | 1765815     | 5913224 | 1 - 4 hours                                    | Upper Tamaki River                  | 1                | High                         | 1                | High                      | 1              | 1               |
| DPSPK         | 670         | Medium       | Medium          | 1             | 26           | Upper Tamaki River | Sylvia Park Wholesale WWPS        | 20 Bowden Road, Mount Wellington | 1764880     | 5912820 | < 1 hour                                       | Upper Tamaki River                  | 1                | Moderate                     | 1                | Moderate                  | 1              | 1               |
| DPTIN         | 673         | Medium       | Low             | 1             | 26           | Upper Tamaki River | Tamaki East Wholesale WWPS        | 207 Highbrook Drive, East Tamaki | 1765968     | 5910094 | 1 - 4 hours                                    | Upper Tamaki River                  | 1                | Low                          | 1                | Low                       | 1              | 1               |
| DPBOT         | 675         | Low          | Medium          | 1             | 26           | Upper Tamaki River | Botany Wholesale WWPS             | 107 Golfland Drive, Howick       | 1769682     | 5911806 | 1 - 4 hours                                    | Pakuranga Creek                     | 3                | Very low                     | 1                | Low                       | 1              | 1               |



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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|------------------------------------|-------------------------------------------|-------------|---------|------------------------------------------------|---------------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                                    |                                           | Ref X       | Ref Y   |                                                |                                                         |                  |                              |                  |                           |                |                 |
| DPPKS         | 676         | Low          | Low             | 1             | 26           | Upper Tamaki River | Pakuranga South Wholesale WWPS     | 51 Ben Lomond Crescent, Pakuranga Heights | 1769184     | 5912560 | 1 - 4 hours                                    | Pakuranga Creek                                         | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPOTB         | 683         | Low          | Low             | 1             | 26           | Upper Tamaki River | Otara Wholesale WWPS               | 84R Wymondley Road, Otara                 | 1764926     | 5908728 | < 1 hour                                       | Upper Tamaki River (Middlemore Arm)                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPMID         | 684         | Medium       | Medium          | 1             | 26           | Upper Tamaki River | Middlemore Wholesale WWPS          | 2 Grange Road, Papatoetoe                 | 1764297     | 5907411 | < 1 hour                                       | Upper Tamaki River (Middlemore Arm)                     | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPOSN         | 698         | Low          | Low             | 1             | 26           | Upper Tamaki River | Ormiston Wholesale WWPS            | 10 Progressive Way, East Tamaki           | 1769082     | 5907756 | 4 - 8 hours                                    | Unnamed tributary of Otara Creek (east)                 | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DSOTE         | 747         | Low          | Low             | 2             | 26           | Upper Tamaki River | Otahuhu East Diversion Branch MH4A | 24 Monterey Avenue, Otahuhu               | 1765015     | 5909252 |                                                | Upper Tamaki River (Middlemore Arm)                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DSOTN         | 751         | Low          | Low             | 2             | 26           | Upper Tamaki River | Otahuhu North Branch MH12          | 32 Luke Street, Otahuhu                   | 1764660     | 5910533 |                                                | Otahuhu Creek                                           | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| -             | 957         | Medium       | Low             | 2             | 26           | Upper Tamaki River | 38 Whiteacres Drive                | 38 Whiteacres Drive, Pakuranga            | 1768586     | 5914465 |                                                | Unnamed tributary of Pakuranga Creek (Whiteacres Drive) | 3                | Very low                     | 3                | Very low                  | 1              | 2               |
| -             | 959         | Low          | Medium          | 2             | 26           | Upper Tamaki River | 12 Udall Place                     | 12 Udall Place, Howick                    | 1770183     | 5915749 |                                                | Unnamed tributary of Pakuranga Creek (Highland Park)    | 3                | Low                          | 2                | High                      | 1              | 1               |
| -             | 960         | Low          | Low             | 2             | 26           | Upper Tamaki River | 30 Minaret Drive                   | 30 Minaret Drive, Howick                  | 1770164     | 5915289 |                                                | Unnamed tributary of Pakuranga Creek (Highland Park)    | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 961         | Medium       | Low             | 2             | 26           | Upper Tamaki River | 16 Ingram Crescent                 | 16 Ingram Crescent, Otara                 | 1767702     | 5906624 |                                                | Unnamed tributary of Otara Creek (west)                 | 3                | Very low                     | 3                | Very low                  | 1              | 1               |
| -             | 969         | Low          | Low             | 2             | 26           | Upper Tamaki River | 3 Ross Avenue                      | 3 Ross Avenue, Papatoetoe                 | 1764292     | 5906717 |                                                | Upper Tamaki River (Middlemore Arm)                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|----------------------------|------------------------------------------|-------------|---------|------------------------------------------------|------------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                            |                                          | Ref X       | Ref Y   |                                                |                                                      |                  |                              |                  |                           |                |                 |
| -             | 970         | Low          | Low             | 2             | 26           | Upper Tamaki River | 77 Shirley Road            | 77 Shirley Road, Papatoetoe              | 1764703     | 5906048 |                                                | Upper Tamaki River (Middlemore Arm)                  | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | 972         | Low          | Low             | 2             | 26           | Upper Tamaki River | 123 Ennis Ave              | 123 Ennis Ave, Pakuranga                 | 1768389     | 5912544 |                                                | Pakuranga Creek                                      | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 975         | Low          | Low             | 2             | 26           | Upper Tamaki River | 16 Windsong Ct             | 16 Windsong Ct, Howick                   | 1771400     | 5912996 |                                                | Unnamed tributary of Pakuranga Creek (Botany Downs)  | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPAVI         | 984         | Low          | Low             | 1             | 26           | Upper Tamaki River | Aviemore Drive WWPS        | 101R Aviemore Drive, Highland Park       | 1769689     | 5913679 | No information available                       | Unnamed tributary of Pakuranga Creek (Highland Park) | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPBUR         | 998         | Low          | Low             | 1             | 26           | Upper Tamaki River | Burswood Drive WWPS        | 177R Burswood Drive, Otara               | 1768817     | 5912070 | 1 - 4 hours                                    | Pakuranga Creek                                      | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPSDN         | 1004        | Low          | Low             | 1             | 26           | Upper Tamaki River | Stonedon Drive WWPS        | 56R Stonedon Dr, Otara                   | 1767875     | 5911352 | No information available                       | Pakuranga Creek                                      | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPHIP         | 1005        | Low          | Low             | 1             | 26           | Upper Tamaki River | Highland Park WWPS         | Pakuranga Rd/ Aviemore Dr, Highland Park | 1769778     | 5914677 | 1 - 4 hours                                    | Unnamed tributary of Pakuranga Creek (Highland Park) | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPHAN         | 1010        | Low          | Low             | 1             | 26           | Upper Tamaki River | Hannah Road WWPS           | 45R Hannah Rd, Otara                     | 1767521     | 5906830 | No information available                       | Unnamed tributary of Otara Creek (west)              | 3                | Very low                     | 3                | Very low                  | 1              | 1               |
| DPLLO         | 1141        | Low          | Low             | 1             | 26           | Upper Tamaki River | Lloyd Elsmore Park WWPS    | Lloyd Elsmore Park Reserve, Pakuranga    | 1769514     | 5914322 | 1 - 4 hours                                    | Unnamed tributary of Pakuranga Creek (Highland Park) | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPCAS         | 1142        | Low          | Low             | 1             | 26           | Upper Tamaki River | Cascades Road WWPS         | 194R Cascades Road, Pakuranga            | 1769709     | 5912994 | 1 - 4 hours                                    | Pakuranga Creek                                      | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPGOS         | 1143        | Medium       | Medium          | 1             | 26           | Upper Tamaki River | Gossamer Drive WWPS        | 52R Gossamer Drive, Pakuranga            | 1768549     | 5913332 | 1 - 4 hours                                    | Pakuranga Creek                                      | 3                | Very low                     | 1                | Moderate                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|----------------------------|----------------------------------------|-------------|---------|------------------------------------------------|-----------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                            |                                        | Ref X       | Ref Y   |                                                |                                         |                  |                              |                  |                           |                |                 |
| DPPEL         | 1149        | Low          | Low             | 1             | 26           | Upper Tamaki River | Pelorus Place WWPS         | 12 Pelorus Place, Pakuranga            | 1765945     | 5912562 | No information available                       | Upper Tamaki River                      | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRHP         | 1150        | Low          | Low             | 1             | 26           | Upper Tamaki River | Riverhills Park WWPS       | Riverhills Park, Pakuranga             | 1768048     | 5912012 | No information available                       | Pakuranga Creek                         | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPCRY         | 1152        | Low          | Low             | 1             | 26           | Upper Tamaki River | Cryers Road WWPS           | 110R Cryers Road, Otara                | 1768575     | 5911223 | No information available                       | Pakuranga Creek                         | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPHIS         | 1153        | Low          | Low             | 1             | 26           | Upper Tamaki River | Harris Road WWPS           | 102R Harris Road, Otara                | 1768857     | 5910858 | 1 - 4 hours                                    | Pakuranga Creek                         | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPHIB         | 1154        | Low          | Low             | 1             | 26           | Upper Tamaki River | Highbrook Park WWPS        | Highbrook Park                         | 1766630     | 5911095 | 4 - 8 hours                                    | Upper Tamaki River                      | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLUK         | 1155        | Low          | Low             |               | 26           | Upper Tamaki River | Luke Place WWPS            | 9R Luke Place, Otara                   | 1767388     | 5908843 | No information available                       | Otara Creek                             | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLAW         | 1156        | Low          | Low             | 1             | 26           | Upper Tamaki River | Lawrence Place WWPS        | 13 Lawrence Place, Otara               | 1767416     | 5907970 | No information available                       | Unnamed tributary of Otara Creek (east) | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPBA1         | 1181        | Low          | Low             | 1             | 26           | Upper Tamaki River | Ballarat Street 1 WWPS     | 5 Ballarat Street, Mount Wellington    | 1762478     | 5914944 | 4 - 8 hours                                    | To land                                 |                  |                              |                  |                           |                |                 |
| DPMCD         | 1182        | Low          | Low             | 1             | 26           | Upper Tamaki River | McDonald Crescent WWPS     | 10 McDonald Cr, Mount Wellington       | 1762750     | 5915126 | > 8 hours                                      | To land                                 |                  |                              |                  |                           |                |                 |
| DPHAR         | 1183        | Low          | Low             | 1             | 26           | Upper Tamaki River | Harris Road WWPS           | 203a Harris Rd, Mount Wellington       | 1763474     | 5915326 | > 8 hours                                      | To land                                 |                  |                              |                  |                           |                |                 |
| DPMOT         | 1184        | Low          | Low             | 1             | 26           | Upper Tamaki River | Motu Place WWPS            | 6 Motu Pl, Mount Wellington            | 1763168     | 5914877 | 4 - 8 hours                                    | To land                                 |                  |                              |                  |                           |                |                 |
| DPFER         | 1185        | Low          | Low             | 1             | 26           | Upper Tamaki River | Ferndale Road WWPS         | 44 Ferndale Rd, Mount Wellington       | 1763023     | 5914673 | > 8 hours                                      | To land                                 |                  |                              |                  |                           |                |                 |
| DPBNK         | 1186        | Low          | Low             | 1             | 26           | Upper Tamaki River | Banks Street WWPS          | 4 Thompson Park Road, Mount Wellington | 1763431     | 5914765 | 4 - 8 hours                                    | To land                                 |                  |                              |                  |                           |                |                 |

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|---------------|-------------|--------------|-----------------|---------------|--------------|--------------------|------------------------------|-----------------------------------------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                    |                              |                                                                       | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| DPRD1         | 1190        | Low          | Low             | 1             | 26           | Upper Tamaki River | Mount Richmond 1 WWPS        | Mt Richmond FC, behind 659 Mount Wellington Highway, Mount Wellington | 1764068     | 5910928 | 4 - 8 hours                                    | Otahuhu Creek                       | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPRD2         | 1191        | Low          | Low             | 1             | 26           | Upper Tamaki River | Mount Richmond 2 WWPS        | Mt Richmond League, Bert Henham Park, Mount Wellington                | 1764012     | 5911139 | > 8 hours                                      | Otahuhu Creek                       | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| DPRNY         | 1193        | Low          | Low             | 1             | 26           | Upper Tamaki River | Rodney Street WWPS           | 11 Rodney St, Otahuhu                                                 | 1764955     | 5909569 | 4 - 8 hours                                    | Upper Tamaki River (Middlemore Arm) | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPBA2         | 1195        | Low          | Low             | 1             | 26           | Upper Tamaki River | Ballarat Street 2 WWPS       | 50 Ballarat Street, Ellerslie                                         | 1762451     | 5915282 | 4 - 8 hours                                    | To land                             |                  |                              |                  |                           |                |                 |
| DPCAR         | 1196        | Low          | Low             | 1             | 26           | Upper Tamaki River | Carrs Place WWPS             | 14 Carrs Place, Ellerslie                                             | 1762449     | 5915462 | > 8 hours                                      | To land                             |                  |                              |                  |                           |                |                 |
| DPJOE         | 1200        | Low          | Low             | 1             | 26           | Upper Tamaki River | Joe Stanley Place WWPS       | 37 Joe F Stanley Pl, Otahuhu                                          | 1765388     | 5910968 | 4 - 8 hours                                    | Otahuhu Creek                       | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| -             | 1417        | Low          | Low             | 2             | 26           | Upper Tamaki River | 13 Lynley Place, Pakuranga   | 13 Lynley Place, Pakuranga                                            | 1768826     | 5913233 |                                                | Pakuranga Creek                     | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 1534        | Low          | Low             | 2             | 26           | Upper Tamaki River | 22 Graeme Avenue             | 22 Graeme Avenue, Papatoetoe                                          | 1763264     | 5906846 |                                                | Upper Tamaki River (Middlemore Arm) | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | 1546        | Low          | Low             | 1             | 26           | Upper Tamaki River | Otahuhu North Diversion MH07 | 2A Church St, Otahuhu                                                 | 1764282     | 5910612 |                                                | Otahuhu Creek                       | 3                | Very low                     | 2                | Very low                  | 1              | 2               |
| -             | 1549        | Low          | Low             | 2             | 26           | Upper Tamaki River | 14 McLean Ave                | 14 McLean Ave, Papatoetoe                                             | 1764294     | 5906965 |                                                | Troon Creek                         | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPHOW         | 662         | Low          | Low             | 1             | 27           | Cockle Bay         | Howick WWPS                  | 3 Colleen Court, Cockle Bay                                           | 1773589     | 5915082 | 1 - 4 hours                                    | Howick Beach                        | 1                | Low                          | 1                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|-----------------------------------------|-------------|---------|------------------------------------------------|---------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                         | Ref X       | Ref Y   |                                                |                                 |                  |                              |                  |                           |                |                 |
| DPSAN         | 976         | Low          | Low             | 1             | 27           | Cockle Bay     | Sandspit Road WWPS         | 41 Pohutukawa Avenue, Shelly Park       | 1773861     | 5913198 | 1 - 4 hours                                    | Shelly Park Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPEST         | 1013        | Low          | Low             | 1             | 27           | Cockle Bay     | Estuary Views WWPS         | 24R Estuary Views, Howick               | 1773388     | 5913022 | 1 - 4 hours                                    | Maungamaungaroa Creek           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPCHI         | 1139        | Low          | Low             | 1             | 27           | Cockle Bay     | Chisbury Terrace WWPS      | 18R Chisbury Terrace, Howick            | 1773393     | 5913117 | 1 - 4 hours                                    | Maungamaungaroa Creek           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPRNA         | 1140        | Low          | Low             | 1             | 27           | Cockle Bay     | Ramoana Mews WWPS          | 11 Ramoana Mews, Howick                 | 1772811     | 5912879 | 1 - 4 hours                                    | Maungamaungaroa Creek           | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPMEB         | 1172        | Low          | Low             | 1             | 27           | Cockle Bay     | Mellons Bay WWPS           | End of Mellons Bay Road, Mellons Bay    | 1771981     | 5916319 | No information available                       | Mellons Bay                     | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPCOC         | 1173        | Low          | Low             | 1             | 27           | Cockle Bay     | Cockle Bay WWPS            | Reserve Shelly Beach Parade, Cockle Bay | 1773770     | 5914489 | No information available                       | Cockle Bay                      | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPPUH         | 685         | Low          | Low             | 1             | 28           | Puhinui        | Puhinui WWPS               | Cavendish Drive On Ramp, Manukau        | 1764676     | 5903778 | < 1 hour                                       | Puhinui Stream                  | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPPPW         | 688         | Low          | Low             | 1             | 28           | Puhinui        | Papatoetoe West WWPS       | 51 Hillside Road, Papatoetoe            | 1764021     | 5905306 | < 1 hour                                       | Unnamed stream near Hillside Rd | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| DPWYN         | 689         | Low          | Low             | 1             | 28           | Puhinui        | Weymouth North WWPS        | 54R Pitt Ave, Clendon                   | 1765208     | 5899792 | 1 - 4 hours                                    | Puhinui Creek                   | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | 962         | Low          | Low             | 2             | 28           | Puhinui        | Network relief point       | 53 R Raglan St, Mangere East            | 1762772     | 5906304 |                                                | Unnamed Stream in Aorere Park   | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -             | 971         | Low          | Low             | 2             | 28           | Puhinui        | Network relief point       | 35 St George Street, Papatoetoe         | 1764884     | 5905718 |                                                | Unnamed stream near Hillside Rd | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| DPMC1         | 1138        | Low          | Low             | 1             | 28           | Puhinui        | McLaughlins Road 1 WWPS    | 39R McLaughlins Road, Manurewa          | 1764516     | 5903264 | 4 - 8 hours                                    | Puhinui Stream                  | 2                | Very low                     | 2                | Very low                  | 1              | 1               |

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|------------------|-------------|--------------|-----------------|---------------|--------------|------------------|---------------------------------------------------|----------------------------------------------------------|-------------|---------|------------------------------------------------|--------------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|                  |             |              |                 |               |              |                  |                                                   |                                                          | Ref X       | Ref Y   |                                                |                                                        |                  |                              |                  |                           |                |                 |
| DPMNW            | 1163        | Low          | Low             | 1             | 28           | Puhinui          | Manurewa West WWPS                                | End of Browns Road in reserve                            | 1765398     | 5901299 | No information available                       | Puhinui Creek                                          | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPSET            | 1164        | Low          | Low             | 1             | 28           | Puhinui          | Settlers Cove WWPS                                | Entrance end of Settlers Cove, 21R Bretts Road, Manurewa | 1765376     | 5898820 | No information available                       | Unnamed stream (flowing to Weymouth Beach)             | 3                | Very low                     | 3                | Very low                  | 1              | 1               |
| DPWEY            | 1165        | Low          | Low             | 1             | 28           | Puhinui          | Weymouth Domain WWPS                              | 38R Gibbons Road, Weymouth                               | 1765118     | 5898575 | No information available                       | Weymouth Beach                                         | 2                | Low                          | 1                | Very low                  | 1              | 1               |
| DPMC2            | 1175        | Low          | Low             | 1             | 28           | Puhinui          | McLaughlins Road 2 WWPS                           | 55R McLaughlins Road, Wiri                               | 1764155     | 5902460 | No information available                       | Unnamed tributary of Puhinui Stream near McLaughlin Rd | 3                | Very low                     | 2                | Moderate                  | 2              | 2               |
| DPMP1            | 1177        | Low          | Low             | 1             | 28           | Puhinui          | Malaspina Place 1 WWPS                            | 31R Malaspina Place, Papatoetoe                          | 1763822     | 5906318 | No information available                       | Unnamed stream in Kohuora Park                         | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| -                | 1535        | Low          | Low             | 2             | 28           | Puhinui          | 145-147 Wyllie Rd                                 | 145-147 Wyllie Rd, Papatoetoe                            | 1764355     | 5904519 |                                                | Puhinui Stream                                         | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHAB            | 1586        | Low          | Low             | 1             | 28           | Puhinui          | Harbour Ridge Drive PS                            | 11 Harbour Ridge Drive, Manukau                          | 1763608     | 5901816 |                                                | Puhinui Stream                                         | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPWFP DSSWI MH82 | 686         | Low          | Low             | 1             | 29           | Pahurehure Inlet | Wattle Farm WWPS                                  | 1 Great South Road, Conifer Grove                        | 1769015     | 5898534 | < 1 hour                                       | Papakura Stream                                        | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPMW             | 687         | Low          | Low             | 1             | 29           | Pahurehure Inlet | Manurewa West WWPS                                | 283R Mahia Road, Manurewa                                | 1766639     | 5899262 | 1 - 4 hours                                    | Waimahia Creek                                         | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DSSIN MH93       | 746         | Low          | Low             | 2             | 29           | Pahurehure Inlet | Southern Interceptor transmission system overflow | The Furlong, Takanini                                    | 1770983     | 5897881 |                                                | Pahurehure Inlet Basin 1                               | 3                | Very low                     | 2                | Low                       | 1              | 2               |
| DPHNG            | 759         | Low          | Low             | 1             | 29           | Pahurehure Inlet | Hingara WWPS                                      | 158 Park Estate Rd, Hingaia                              | 1772003     | 5893000 |                                                | Drury Creek                                            | 2                | Very low                     | 1                | Very low                  | 2              | 2               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|------------------|---------------------------|--------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                  |                           |                                      | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| -             | 965         | Low          | Low             | 2             | 29           | Pahurehure Inlet | Network overflow          | 105R Beaumonts Way, Manurewa         | 1769155     | 5899937 |                                                | Papakura Stream                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | 966         | Low          | Low             | 2             | 29           | Pahurehure Inlet | Network overflow          | 17 McDougall Street, Manurewa        | 1769504     | 5900477 |                                                | Papakura Stream                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | 967         | Low          | Low             | 2             | 29           | Pahurehure Inlet | Network overflow          | 14 Percival Street, Manurewa         | 1768244     | 5900395 |                                                | Unnamed stream near Percival Street | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| -             | 974         | Low          | Low             | 2             | 29           | Pahurehure Inlet | Network overflow          | 2 Browning St, Manurewa              | 1769670     | 5900687 |                                                | Papakura Stream                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPSAC         | 987         | Low          | Low             | 1             | 29           | Pahurehure Inlet | St Anne's Cres WWPS       | 33R St Anne's Crescent, Wattle Downs | 1767118     | 5897373 | > 8 hours                                      | St Anne's Foreshore                 | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DPWNO         | 997         | Low          | Low             | 1             | 29           | Pahurehure Inlet | Waimarino Rd WWPS         | 16R Lucas Place, Weymouth            | 1766336     | 5898218 | No information available                       | Waimahia Creek                      | 2                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHOR         | 1012        | Low          | Low             | 1             | 29           | Pahurehure Inlet | Horlicks Place WWPS       | 28R Horlicks Pl, Manurewa            | 1770813     | 5900460 | < 1 hour                                       | Papakura Stream                     | 3                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPRYS         | 1166        | Low          | Low             | 1             | 29           | Pahurehure Inlet | Roys Road WWPS            | 20R Roys Road, Weymouth              | 1765236     | 5897841 | No information available                       | Te Pua Point                        | 2                | Low                          | 2                | Very low                  | 1              | 1               |
| DPABE         | 1171        | Low          | Low             | 1             | 29           | Pahurehure Inlet | Aberdeen Cres WWPS        | 201R Wattle Farm Road, Wattle Downs  | 1767257     | 5898024 | No information available                       | To land                             |                  |                              |                  |                           |                |                 |
|               | 708         | Low          | Low             | 1             | 29           | Pahurehure Inlet | Weymouth Wholesale WWPS   |                                      | 1765896     | 5897957 |                                                | Hazards Road Foreshore              | 1                | Low                          | 2                | Very low                  | 1              | 1               |
|               | 1575        | Low          | Low             | 2             | 29           | Pahurehure Inlet | Papakura North MH08       | Papakura Central School, Hingaia     | 1772128     | 5895902 |                                                | Pahurehure Inlet Basin 3            | 3                | Very low                     | 2                | Low                       | 2              | 1               |
| DPONR         | 657         | Low          | Low             | 1             | 30           | Oneroa           | Oneroa WWPS               | 18 Beach Parade, Oneroa              | 1779482     | 5927363 | > 8 hours                                      | Oneroa Beach                        | 1                | Low                          | 2                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|---------------------|----------------------------|-----------------------------------------|-------------|---------|------------------------------------------------|-----------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                     |                            |                                         | Ref X       | Ref Y   |                                                |                                                     |                  |                              |                  |                           |                |                 |
| DPHAW         | 1016        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Hawke Crescent WWPS        | 25A Hawke Crescent, Beachlands          | 1777009     | 5916400 | No information available                       | Sunkist Bay Beach                                   | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPOMA         | 1017        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Omana Esplanade WWPS       | 26R Omana Esplanade, Beachlands         | 1781107     | 5916795 | No information available                       | Omana Beach                                         | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPMTI         | 1079        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Maraetai Domain WWPS       | 188R Maraetai Drive, Maraetai           | 1781973     | 5916489 | No information available                       | Unnamed stream to Maraetai Beach                    | 2                | Moderate                     | 2                | Moderate                  | 1              | 2               |
| DPTPN         | 1080        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Te Pene WWPS               | 59R Te Pene Road, Maraetai              | 1781675     | 5917021 | No information available                       | To land                                             |                  |                              |                  |                           |                |                 |
| DTPTR         | 1081        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Te Puru WWPS               | 954R Whitford Maraetai Road, Beachlands | 1779562     | 5916016 | No information available                       | Unnamed stream to Kelly's Beach (South)             | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPTVW         | 1083        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Third View WWPS            | 115R Third View Avenue, Beachlands      | 1778995     | 5916555 | No information available                       | Unnamed stream to Kelly's Beach (North)             | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| DPKKA         | 1084        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Karaka Road WWPS           | 8a Karaka Road, Beachlands              | 1778578     | 5915511 | No information available                       | Unnamed stream to Pine Harbour Marina Beach (South) | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| DPSKB         | 1085        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Sunkist Bay Reserve WWPS   | Sunkist Bay Reserve, Beachlands         | 1777777     | 5916537 | No information available                       | Sunkist Bay Beach                                   | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPTOO         | 1086        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Toomer Place WWPS          | 4R Toomer Place, Beachlands             | 1777342     | 5916082 | No information available                       | Unnamed stream to Pine Harbour Marina Beach (North) | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPPHM         | 1087        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | Pine Harbour Marina WWPS   | 190 Jack Lachlan Drive, Beachlands      | 1777316     | 5915445 | No information available                       | Unnamed stream to Pine Harbour Marina Beach (South) | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |
| DPNAV         | 1542        | Low          | Low             | 1             | 31           | Beachlands-Maraetai | New Avenues WWPS           | 10 Kahawairahi Drive, Beachlands        | 1778566     | 5914973 | > 8 hours                                      | Unnamed stream to Pine Harbour Marina Beach (South) | 3                | Very low                     | 2                | Moderate                  | 1              | 2               |



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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|-----------------------------------|-----------------------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                                   |                                   | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
| DPYAC         | 1034        | Low          | Low             | 1             | 32           | Clarks Beach   | Yacht Club WWPS                   | 226 Torkar Road, Clarks Beach     | 1750090     | 5888181 | > 8 hours                                      | Waiuku Estuary             | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPWAS         | 1035        | Low          | Low             | 1             | 32           | Clarks Beach   | Wilsons Access WWPS               | 135-137 Torkar Road, Clarks Beach | 1750344     | 5888648 | > 8 hours                                      | Clarks Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPSLA         | 1036        | Low          | Low             | 1             | 32           | Clarks Beach   | Stella Dr WWPS                    | Stella Drive, Clarks Beach        | 1750545     | 5888479 | > 8 hours                                      | To land                    |                  |                              |                  |                           |                |                 |
| DPHLA         | 1037        | Low          | Low             | 1             | 32           | Clarks Beach   | Halls Access WWPS                 | 75 Torkar Road, Clarks Beach      | 1750963     | 5888822 | > 8 hours                                      | Clarks Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPCBO         | 1040        | Low          | Low             | 1             | 32           | Clarks Beach   | Clarks Beach Oxidation Ponds WWPS | Stella Drive, Clarks Beach        | 1750854     | 5888262 | > 8 hours                                      | To land                    |                  |                              |                  |                           |                |                 |
| DPSTV         | 1041        | Low          | Low             | 1             | 32           | Clarks Beach   | Stevenson Rd WWPS                 | 21 Seaway Road, Clarks Beach      | 1751324     | 5888635 | > 8 hours                                      | To land                    |                  |                              |                  |                           |                |                 |
| DPKNI         | 1042        | Low          | Low             | 1             | 32           | Clarks Beach   | Knights Walkway WWPS              | 39-41 Torkar Road, Clarks Beach   | 1751327     | 5888863 | > 8 hours                                      | Clarks Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPHOS         | 1043        | Low          | Low             | 1             | 32           | Clarks Beach   | Hoskins Clarks Beach WWPS         | Clarks Beach Road, Clark's Beach  | 1751752     | 5888887 | > 8 hours                                      | Clarks Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPCRI         | 1044        | Low          | Low             | 1             | 32           | Clarks Beach   | Crisp Rd WWPS                     | 34 Crisp Road, Clarks Beach       | 1752091     | 5888850 | 1 - 4 hours                                    | Clarks Beach               | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPKEV         | 1045        | Low          | Low             | 1             | 32           | Clarks Beach   | Keven Rd WWPS                     | 88 Clarks Beach Road, Waiau Beach | 1751535     | 5887742 | > 8 hours                                      | Waiau Beach                | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPCHV         | 1046        | Low          | Low             | 1             | 32           | Clarks Beach   | Channel View Rd WWPS              | 11 Channel View Road, Waiau Beach | 1751471     | 5887432 | > 8 hours                                      | Waiau Beach                | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPGLB         | 1047        | Low          | Low             | 1             | 32           | Clarks Beach   | Glenbrook Beach St WWPS           | 3 Fleet Street, Glenbrook Beach   | 1752090     | 5885638 | > 8 hours                                      | Glenbrook Beach            | 1                | Low                          | 2                | Very low                  | 1              | 1               |
| DPNZS         | 1022        | Low          | Low             | 1             | 33           | Waiuku         | NZ Steel WWPS                     | 49 Elsie Drive, Waiuku            | 1752730     | 5877396 | > 8 hours                                      | Rangiwhea Creek            | 2                | Very low                     | 1                | Very low                  | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|-------------------------------------------|-------------|---------|------------------------------------------------|------------------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                           | Ref X       | Ref Y   |                                                |                                                      |                  |                              |                  |                           |                |                 |
| DPBYV         | 1023        | Low          | Low             | 1             | 33           | Waiuku         | Bayview WWPS               | Bayview Esplanade Reserve, Waiuku         | 1752572     | 5876985 | > 8 hours                                      | Rangiwha Creek                                       | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPLNA         | 1024        | Low          | Low             | 1             | 33           | Waiuku         | Lina Place WWPS            | Lina Place Reserve, Waiuku                | 1752364     | 5876593 | > 8 hours                                      | Rangiwha Creek Tributary                             | 2                | Moderate                     | 1                | High                      | 1              | 1               |
| DPKAI         | 1025        | Low          | Low             | 1             | 33           | Waiuku         | Kowhai Place WWPS          | Kowhai Place, Waiuku                      | 1753790     | 5877701 | > 8 hours                                      | Golf Course Creek                                    | 1                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPKNG         | 1026        | Low          | Low             | 1             | 33           | Waiuku         | King St WWPS               | Off King Street, Waiuku                   | 1753511     | 5876242 | 1 - 4 hours                                    | Waiuku Creek                                         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPFGH         | 1027        | Low          | Low             | 1             | 33           | Waiuku         | Fernleigh Ave WWPS         | 28 Fernleigh Avenue, Waiuku               | 1754414     | 5876220 | > 8 hours                                      | Waiuku Stream Tributary                              | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DPKAO         | 1028        | Low          | Low             | 1             | 33           | Waiuku         | Kitchener Rd WWPS          | 243/135 Kitchener Road, Waiuku            | 1755080     | 5876130 | > 8 hours                                      | Waiuku Stream                                        | 2                | Moderate                     | 1                | High                      | 1              | 1               |
| DPRGW         | 1029        | Low          | Low             | 1             | 33           | Waiuku         | Rangiwha Rd WWPS           | 10 Rangiwha Road, Waiuku                  | 1753141     | 5877773 | > 8 hours                                      | Sandspit Beach                                       | 1                | Low                          | 1                | Very low                  | 1              | 1               |
| DPEDP         | 1030        | Low          | Low             | 1             | 33           | Waiuku         | Edgewater Parade WWPS      | Edgewater Parade, Waiuku                  | 1753264     | 5876833 | > 8 hours                                      | Waiuku Creek                                         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPOWE         | 1031        | Low          | Low             | 1             | 33           | Waiuku         | Owens Rd WWPS              | Owens Road, Waiuku                        | 1753223     | 5876634 | > 8 hours                                      | Waiuku Creek                                         | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPKEN         | 1032        | Low          | Low             | 1             | 33           | Waiuku         | Kendallvale Dr WWPS        | 41 Kendallvale Road, Waiuku               | 1755389     | 5875270 | > 8 hours                                      | Awaroa River Tributary                               | 3                | Very low                     | 2                | Moderate                  | 1              | 1               |
| DPBCR         | 1033        | Low          | Low             | 1             | 33           | Waiuku         | Breaker Grove WWPS         | Breaker Grove, Waiuku                     | 1752833     | 5875425 | > 8 hours                                      | To land                                              |                  |                              |                  |                           |                |                 |
| DPFRA         | 825         | Low          | Low             | 1             | 34           | Pukekohe       | Franklin Rd WWPS           | Recreation Centre Franklin Road, Pukekohe | 1769246     | 5881820 | < 1 hour                                       | Unnamed tributary of Whangapouri Creek (Franklin Rd) | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|----------------|----------------------------|--------------------------------------------------------------|-------------|---------|------------------------------------------------|------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                |                            |                                                              | Ref X       | Ref Y   |                                                |                                    |                  |                              |                  |                           |                |                 |
| DPFRS         | 1243        | Low          | Low             | 1             | 34           | Pukekohe       | Fletchers WWPS             | Searle Drive, Patumahoe                                      | 1762139     | 5882908 | > 8 hours                                      | Stormwater pond (Fletcher Lane)    | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPWEC         | 1244        | Low          | Low             | 1             | 34           | Pukekohe       | Wecks WWPS                 | 14 Patumahoe Road, Pukekohe                                  | 1762427     | 5882772 | > 8 hours                                      | To land                            |                  |                              |                  |                           |                |                 |
| DPMTU         | 1245        | Low          | Low             | 1             | 34           | Pukekohe       | Mareretu WWPS              | 27B Mareretu Ave., Patumahoe                                 | 1762549     | 5882925 | > 8 hours                                      | To land                            |                  |                              |                  |                           |                |                 |
| DPNES         | 1246        | Low          | Low             | 1             | 34           | Pukekohe       | North east WWPS            | 15 Clive Howe Road, Pukekohe                                 | 1762989     | 5883117 | > 8 hours                                      | To land                            |                  |                              |                  |                           |                |                 |
| DPCHR         | 1247        | Low          | Low             | 1             | 34           | Pukekohe       | Cape Hill Rd WWPS          | 10 Cape Hill Road, Pukekohe                                  | 1769096     | 5882270 | 1 - 4 hours                                    | Whangapouri Creek                  | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPLOC         | 1248        | Low          | Medium          | 1             | 34           | Pukekohe       | Lochview WWPS              | Lochview Reserve Adams Drive, Pukekohe                       | 1768906     | 5882623 | > 8 hours                                      | Stormwater pond (Lochview Reserve) | 3                | Low                          | 3                | Low                       | 2              | 1               |
| DPISA         | 1249        | Low          | Low             | 1             | 34           | Pukekohe       | Isabella Dr WWPS           | Isabella Drive Recreational Reserve Isabella Drive, Pukekohe | 1769233     | 5882696 | > 8 hours                                      | To land                            |                  |                              |                  |                           |                |                 |
| DPDUB         | 1250        | Low          | Low             | 1             | 34           | Pukekohe       | Dublin Rd WWPS             | 16 Princess Street, Pukekohe                                 | 1768579     | 5881619 | > 8 hours                                      | To land                            |                  |                              |                  |                           |                |                 |
| DPMRW         | 1251        | Low          | Low             | 1             | 34           | Pukekohe       | Marble Wood WWPS           | 21 Marblewood Grove, Pukekohe                                | 1768312     | 5882336 | 1 - 4 hours                                    | To land                            |                  |                              |                  |                           |                |                 |
| DPKRD         | 1252        | Low          | Low             | 1             | 34           | Pukekohe       | Kauri Road WWPS            | 7 Four Oakes Place, Pukekohe                                 | 1767492     | 5881673 | 1 - 4 hours                                    | To land                            |                  |                              |                  |                           |                |                 |
| DPCL2         | 1253        | Low          | Low             | 1             | 34           | Pukekohe       | Colin Lawrie 2 WWPS        | Colin Lawrie Reserve Reynolds Road, Pukekohe                 | 1769680     | 5882022 | > 8 hours                                      | Whangapouri Creek                  | 3                | Very low                     | 2                | Very low                  | 2              | 1               |

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|               |             |              |                 |               |              |                 |                            |                                  | Ref X       | Ref Y   |                                                |                                                   |                  |                              |                  |                           |                |                 |
| DPANS         | 1254        | Low          | Low             | 1             | 34           | Pukekohe        | Anselmi Ridge WWPS         | Pukekohe East Road, Pukekohe     | 1770225     | 5882075 | > 8 hours                                      | Whangapouri Creek                                 | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| DPPAM         | 1579        | Low          | Low             | 1             | 34           | Pukekohe        | Pamela Christine WWPS      | 8 Pamela Christine Rd, Patumahoe | 1761818     | 5883329 | > 8 hours                                      | Stormwater pond (Pamela Christine Road)           | 3                | Very low                     | 3                | Very low                  | 2              | 1               |
| DPPKE         | 1550        | Low          | Low             | 1             | 34           | Pukekohe        | Pukekohe Raceway PS        | 1749 Buckland Road, Pukekohe     | 1770416     | 5879035 |                                                | Unnamed Tributary of Tutaenui Stream              | 3                | Very low                     | 3                | Very low                  | 2              | 2               |
| DPROW         | 1585        | Low          | Low             | 1             | 34           | Pukekohe        | Rowles Rd PS               | Wai Shing Place, Pukekohe        | 1767519     | 5879721 |                                                | Stormwater pond (Wai Shing Place)                 | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
| DPBUK         | 1551        | Low          | Low             | 1             | 34           | Pukekohe        | Buckland PS                | 1918 Buckland Road, Pukekohe     | 1770682     | 5877780 |                                                | Tutaenui Stream                                   | 3                | Very low                     | 3                | Very low                  | 2              | 2               |
| DPJUT         | 1587        | Low          | Low             | 1             | 34           | Pukekohe        | Jultand Road PS            | 16 Jultand Road, Pukekohe        | 1767395     | 5880892 |                                                | Unnamed Tributary of Whangapouri Creek (Adams Rd) | 3                | Very low                     | 3                | Very low                  | 3              | 1               |
|               | 36          | Low          | Low             |               | 36           | Western Isthmus |                            | 37 Saltire Street                | 1751012     | 5916371 |                                                | Waterview Inlet (Saltire Street)                  | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
|               | 37          | Medium       | High            | 2             | 36           | Western Isthmus |                            | 3 Kelvinside Terrace             | 1751090     | 5914475 |                                                | Small tributary of Whau Creek 2                   | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
|               | 39          | High         | High            | 2             | 36           | Western Isthmus |                            | Avondale Racecourse              | 1751023     | 5915074 |                                                | Small tributary of Whau Creek 1                   | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
|               | 40          | High         | High            |               | 36           | Western Isthmus |                            | 17 Victor Street                 | 1750980     | 5915903 |                                                | Waterview Inlet (Saltire Street)                  | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 139         | Low          | Medium          | 2             | 36           | Western Isthmus |                            | 18 Wainoni Avenue                | 1751527     | 5918539 |                                                | Coast near Bambury Close                          | 2                | Moderate                     | 2                | Low                       | 2              | 1               |
|               | 146         | Low          | Medium          |               | 36           | Western Isthmus |                            | 68 Smale Street                  | 1751709     | 5918200 |                                                | To land                                           |                  |                              |                  |                           |                |                 |
|               | 148         | Low          | Medium          |               | 36           | Western Isthmus |                            | 64 Smale Street                  | 1751738     | 5918205 |                                                | To land                                           |                  |                              |                  |                           |                |                 |
| DPJOA         | 152         | Low          | Low             | 1             | 36           | Western Isthmus | Joan Street WWPS           | Joan Street WWPS                 | 1751787     | 5919957 |                                                | Point Chevalier Beach                             | 1                | Low                          | 2                | Very low                  | 1              | 1               |
|               | 211         | Low          | High            |               | 36           | Western Isthmus |                            | 520 Blockhouse Bay Road          | 1751540     | 5912455 |                                                | Tributary of Whau Creek (Blockhouse Bay Reserve)  | 2                | Very high                    | 2                | Very high                 | 2              | 1               |
|               | 308         | Low          | High            | 2             | 36           | Western Isthmus |                            | 94 Haverstock Road               | 1754040     | 5915909 |                                                | Meola Creek (Haverstock Road)                     | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |

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|               |             |              |                 |               |              |                 |                            |                       | Ref X       | Ref Y   |                                                |                               |                  |                              |                  |                           |                |                 |
|               | 309         | Low          | Low             |               | 36           | Western Isthmus |                            | 29 Euston Road        | 1754001     | 5915651 |                                                | Meola Creek (Haverstock Road) | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | 316         | Low          | Low             |               | 36           | Western Isthmus |                            | 98 Moa Road           | 1752447     | 5918969 |                                                | Lower Meola Creek             | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 317         | Medium       | High            |               | 36           | Western Isthmus |                            | 1102 Great North Road | 1752793     | 5918185 |                                                | Meola Creek (north of SH 16)  | 2                | Very high                    | 2                | Moderate                  | 1              | 1               |
|               | 319         | Low          | Low             |               | 36           | Western Isthmus |                            | 1064 Motions Road     | 1753198     | 5918823 |                                                | Lower Meola Creek             | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 320         | Medium       | High            | 2             | 36           | Western Isthmus |                            | 71 Moa Road           | 1752562     | 5918781 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 321         | Low          | Low             | 2             | 36           | Western Isthmus |                            | 76 Premier Avenue     | 1752748     | 5918857 |                                                | Lower Meola Creek             | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 322         | High         | High            |               | 36           | Western Isthmus |                            | 20 Kanuka Street      | 1752648     | 5918895 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 323         | Medium       | High            |               | 36           | Western Isthmus |                            | 53 Premier Avenue A   | 1752988     | 5918736 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 324         | High         | High            |               | 36           | Western Isthmus |                            | 53 Premier Avenue B   | 1752987     | 5918739 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 325         | Low          | Low             |               | 36           | Western Isthmus |                            | 28 Pasedena Road      | 1753070     | 5918730 |                                                | Lower Meola Creek             | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 327         | Low          | Medium          |               | 36           | Western Isthmus |                            | 3 Parr Road           | 1752583     | 5918129 |                                                | Meola Creek (north of SH 16)  | 2                | Low                          | 2                | Low                       | 1              | 1               |
|               | 328         | High         | High            |               | 36           | Western Isthmus |                            | 1074 Great North Road | 1752899     | 5918235 |                                                | Meola Creek (north of SH 16)  | 2                | Very high                    | 2                | Moderate                  | 1              | 1               |
|               | 333         | Low          | High            |               | 36           | Western Isthmus |                            | 79 Moa Road           | 1752545     | 5918880 |                                                | Lower Meola Creek             | 2                | Moderate                     | 2                | Moderate                  | 2              | 1               |
|               | 337         | Medium       | High            |               | 36           | Western Isthmus |                            | 252 Meola Road        | 1752282     | 5918909 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 338         | High         | High            |               | 36           | Western Isthmus |                            | 99 Moa Road           | 1752429     | 5919002 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 341         | Low          | Low             |               | 36           | Western Isthmus |                            | 25 Parkdale Road      | 1752983     | 5917441 |                                                | Meola Creek (Rawalpindi)      | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 342         | Medium       | High            |               | 36           | Western Isthmus |                            | 13 Rawalpindi Street  | 1752832     | 5917661 |                                                | Meola Creek (Rawalpindi)      | 3                | Moderate                     | 2                | Moderate                  | 2              | 1               |
|               | 347         | Low          | High            |               | 36           | Western Isthmus |                            | 13 Novar Place        | 1752836     | 5918081 |                                                | Meola Creek (north of SH 16)  | 2                | Moderate                     | 2                | Moderate                  | 1              | 1               |
|               | 349         | High         | High            | 2             | 36           | Western Isthmus |                            | 58 Walmer Road        | 1752488     | 5918631 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 354         | Low          | Low             | 2             | 36           | Western Isthmus |                            | 58 Walmer Road        | 1756749     | 5919279 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|----------------------------|----------------------|-------------|---------|------------------------------------------------|----------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                            |                      | Ref X       | Ref Y   |                                                |                            |                  |                              |                  |                           |                |                 |
|               | 355         | Low          | Low             |               | 36           | Western Isthmus |                            | 4a West Terrace      | 1756593     | 5919384 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 357         | Low          | Low             | 2             | 36           | Western Isthmus |                            | 1 Ian McKinnon Drive | 1756699     | 5919128 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 359         | Low          | Low             |               | 36           | Western Isthmus |                            | 17-23 Exmouth Street | 1756729     | 5918647 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 360         | Low          | Low             |               | 36           | Western Isthmus |                            | 5 Harold Street      | 1756989     | 5918209 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 362         | Low          | Low             |               | 36           | Western Isthmus |                            | 9 Karaka Street      | 1756584     | 5919022 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 369         | Low          | Low             |               | 36           | Western Isthmus |                            | 5 Suffolk Street     | 1756363     | 5918863 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 375         | Low          | Medium          |               | 36           | Western Isthmus |                            | 39 King Street       | 1755751     | 5918420 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 376         | Low          | Medium          |               | 36           | Western Isthmus |                            | 31 Bond Street       | 1755578     | 5918443 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 377         | Low          | High            |               | 36           | Western Isthmus |                            | 36 King Street       | 1755778     | 5918437 |                                                | Upper Motions Creek        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 378         | Low          | High            |               | 36           | Western Isthmus |                            | 10 Burgoyne Street   | 1756301     | 5919043 |                                                | Upper Motions Creek        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 379         | Low          | Medium          |               | 36           | Western Isthmus |                            | 30 Potatau Street    | 1755909     | 5918589 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 382         | Low          | Medium          |               | 36           | Western Isthmus |                            | 24 Central Road A    | 1755519     | 5918212 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 383         | Low          | Low             |               | 36           | Western Isthmus |                            | 24 Central Road B    | 1755486     | 5918216 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 385         | Low          | High            |               | 36           | Western Isthmus |                            | 52 Cooper Street     | 1755537     | 5918324 |                                                | Upper Motions Creek        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 386         | Low          | Medium          |               | 36           | Western Isthmus |                            | 39 Commercial Road   | 1755469     | 5918296 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 389         | Low          | High            |               | 36           | Western Isthmus |                            | 21 Gundry Street     | 1756405     | 5919150 |                                                | Upper Motions Creek        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 390         | Low          | High            |               | 36           | Western Isthmus |                            | 21 Edinburgh Street  | 1756460     | 5919260 |                                                | Upper Motions Creek        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 392         | Low          | Medium          |               | 36           | Western Isthmus |                            | 400 Great North Road | 1755311     | 5918437 |                                                | Upper Motions Creek        | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 394         | Low          | Low             |               | 36           | Western Isthmus |                            | 42a Tuarangi Road    | 1754578     | 5918667 |                                                | Upper Motions Creek        | 3                | Very low                     | 1                | High                      | 1              | 1               |

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| Facility Code | Overflow ID | Volume Range | Frequency Range | Overflow Type | Catchment No | Catchment Name  | Facility Name/Description | Address                 | Coordinates |         | Available Storage at DWF (hours <sup>1</sup> ) | Receiving Environment Name          | Recreation Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|---------------------------|-------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                           |                         | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
|               | 395         | Low          | High            |               | 36           | Western Isthmus |                           | 15 Fourth Street        | 1755389     | 5918206 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 397         | Low          | Low             |               | 36           | Western Isthmus |                           | 52 Kingsland Avenue     | 1755192     | 5918230 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 398         | Low          | Medium          |               | 36           | Western Isthmus |                           | 27 Fourth Street        | 1755284     | 5918217 |                                                | Upper Motions Creek                 | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 404         | Low          | High            |               | 36           | Western Isthmus |                           | 31 Ivanhoe Road         | 1754321     | 5918426 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 409         | Medium       | High            |               | 36           | Western Isthmus |                           | 731 Great North Road    | 1754002     | 5918534 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 411         | Low          | Medium          |               | 36           | Western Isthmus |                           | 28 Springfield Road     | 1754146     | 5918006 |                                                | Upper Motions Creek                 | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 412         | Low          | High            |               | 36           | Western Isthmus |                           | 770 Great North Road    | 1754084     | 5918391 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 413         | Medium       | High            |               | 36           | Western Isthmus |                           | 727 Great North Road    | 1753899     | 5918658 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 430         | Medium       | Medium          |               | 36           | Western Isthmus |                           | 5 Gifford Avenue        | 1754364     | 5914679 |                                                | Oakley Creek (Wesley)               | 2                | High                         | 3                | Very low                  | 2              | 1               |
|               | 432         | Low          | Low             |               | 36           | Western Isthmus |                           | 2 Mayn Avenue           | 1754570     | 5914539 |                                                | Oakley Creek (Wesley)               | 2                | Very low                     | 3                | Very low                  | 2              | 1               |
|               | 439         | Low          | Low             |               | 36           | Western Isthmus |                           | 17 Tait Street B        | 1751702     | 5915469 |                                                | Oakley Creek near New North Road    | 2                | Very low                     | 2                | Very low                  | 2              | 1               |
|               | 440         | Medium       | High            | 2             | 36           | Western Isthmus |                           | 3 Waitati Place         | 1751939     | 5915229 |                                                | Oakley Creek near New North Road    | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
|               | 559         | Medium       | High            |               | 36           | Western Isthmus |                           | 1401 Great North Road A | 1751902     | 5917629 |                                                | Lower Oakley Creek                  | 3                | Low                          | 1                | High                      | 1              | 1               |
|               | 561         | Low          | Medium          |               | 36           | Western Isthmus |                           | 49 Herdman Street       | 1751491     | 5917701 |                                                | Lower Oakley Creek                  | 3                | Very low                     | 1                | Low                       | 1              | 1               |
|               | 562         | Low          | Medium          |               | 36           | Western Isthmus |                           | 11 Waterbank Crescent   | 1751693     | 5917664 |                                                | Lower Oakley Creek                  | 3                | Very low                     | 1                | Low                       | 1              | 1               |
|               | 563         | Low          | Low             |               | 36           | Western Isthmus |                           | 1443 Great North Road   | 1751783     | 5917287 |                                                | Oakley Creek (Oakley Creek Walkway) | 2                | Very low                     | 1                | Low                       | 1              | 1               |
|               | 565         | Medium       | High            | 2             | 36           | Western Isthmus |                           | 65 Oakley Avenue        | 1751131     | 5917658 |                                                | Waterview Inlet (Seaside Avenue)    | 3                | Low                          | 1                | High                      | 2              | 1               |
|               | 566         | High         | High            | 2             | 36           | Western Isthmus |                           | 64 Fir Street           | 1751194     | 5917169 |                                                | Waterview Inlet (Seaside Avenue)    | 3                | Moderate                     | 1                | Very high                 | 2              | 1               |
|               | 567         | Medium       | High            | 2             | 36           | Western Isthmus |                           | 16 Seaside Avenue       | 1751201     | 5916934 |                                                | Waterview Inlet (Seaside Avenue)    | 3                | Low                          | 1                | High                      | 2              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|----------------------------------|----------------------------------|-------------|---------|------------------------------------------------|-------------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                                  |                                  | Ref X       | Ref Y   |                                                |                                           |                  |                              |                  |                           |                |                 |
|               | 568         | High         | High            | 2             | 36           | Western Isthmus |                                  | 71 Alverstone Street             | 1751081     | 5917397 |                                                | Waterview Inlet (Seaside Avenue)          | 3                | Moderate                     | 1                | Very high                 | 2              | 1               |
|               | 571         | Low          | Low             |               | 36           | Western Isthmus |                                  | 102 Penney Avenue                | 1753455     | 5912748 |                                                | Whau Creek (White Swan Road)              | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | 572         | High         | High            | 2             | 36           | Western Isthmus |                                  | 375 Blockhouse Bay Road          | 1751611     | 5913419 |                                                | Whau Creek                                | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 573         | Low          | Medium          |               | 36           | Western Isthmus |                                  | 4 Margate Road                   | 1751669     | 5913659 |                                                | Whau Creek                                | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 574         | Low          | Medium          |               | 36           | Western Isthmus |                                  | 5 Shoreham Street                | 1751761     | 5913935 |                                                | Tributary of Whau Creek (Shoreham Street) | 3                | Low                          | 2                | High                      | 2              | 1               |
|               | 575         | Low          | Medium          |               | 36           | Western Isthmus |                                  | 164 St Georges Road              | 1751127     | 5914038 |                                                | Whau Creek                                | 3                | Low                          | 1                | Very high                 | 1              | 1               |
|               | 578         | Low          | High            |               | 36           | Western Isthmus |                                  | 32 Miranda Street                | 1751275     | 5913733 |                                                | Whau Creek                                | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 594         | Low          | Low             |               | 36           | Western Isthmus |                                  | 75 Wolverton Street              | 1750919     | 5913806 |                                                | Whau Creek                                | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DPCLY         | 606         | Low          | Low             |               | 36           | Western Isthmus | Connolly Avenue WWPS             | 14 Connolly Ave                  | 1756364     | 5914640 |                                                | To land                                   |                  |                              |                  |                           |                |                 |
| DPCOW         | 608         | Low          | Low             | 1             | 36           | Western Isthmus | Cowley Street WWPS               | Cowley Street WWPS               | 1751814     | 5917723 |                                                | To land                                   |                  |                              |                  |                           |                |                 |
| DPWTB         | 616         | Low          | Medium          | 1             | 36           | Western Isthmus | Waterbank Crescent WWPS          | Waterbank Crescent WWPS          | 1751562     | 5917766 |                                                | Lower Oakley Creek                        | 3                | Very low                     | 1                | Low                       | 1              | 1               |
| DPWA1         | 650         | Low          | Low             | 1             | 36           | Western Isthmus | Walker Road 1 WWPS               | Walker Road 1 WWPS               | 1751405     | 5918363 |                                                | Walker Road                               | 3                | Very low                     | 1                | Moderate                  | 2              | 1               |
| DPWNU         | 700         | Low          | Low             | 1             | 36           | Western Isthmus | Wainui Avenue Wholesale WWPS     | Wainui Avenue Wholesale WWPS     | 1752412     | 5919315 |                                                | Meola Creek Mouth                         | 1                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPOLV         | 701         | Low          | Low             | 1             | 36           | Western Isthmus | Oliver Road Wholesale WWPS       | Oliver Road Wholesale WWPS       | 1752143     | 5919822 |                                                | Meola Creek Mouth                         | 1                | Very low                     | 2                | Very low                  | 1              | 1               |
| DPHRB         | 702         | Low          | Low             | 1             | 36           | Western Isthmus | Harbour View Road Wholesale WWPS | Harbour View Road Wholesale WWPS | 1751539     | 5919424 |                                                | Raymond Reserve                           | 1                | Low                          | 2                | Very low                  | 2              | 1               |



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|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|----------------------------|-------------------------------------------|-------------|---------|------------------------------------------------|-------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                            |                                           | Ref X       | Ref Y   |                                                |                               |                  |                              |                  |                           |                |                 |
| DPWRI         | 703         | Low          | Low             | 1             | 36           | Western Isthmus | Wright Road Wholesale WWPS | Wright Road Wholesale WWPS                | 1751482     | 5919097 |                                                | Coast near Wright Road        | 1                | Low                          | 2                | Very low                  | 2              | 1               |
| DSB07         | 716         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH22                   | 1754196     | 5918275 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB07         | 717         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH42C                  | 1755887     | 5918429 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB07         | 718         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH44                   | 1755991     | 5918534 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB07         | 719         | Low          | Medium          | 2             | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH46                   | 1756045     | 5918590 |                                                | Upper Motions Creek           | 3                | Low                          | 1                | Very high                 | 1              | 1               |
| DSB07         | 720         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH48                   | 1756146     | 5918702 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB07         | 721         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH49                   | 1756154     | 5918711 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB07         | 722         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 7 Arch Hill MH52                   | 1756368     | 5918861 |                                                | Upper Motions Creek           | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB08         | 723         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH2                    | 1752875     | 5917665 |                                                | Meola Creek (Rawalpindi)      | 3                | Very low                     | 2                | Very low                  | 2              | 1               |
| DSB08         | 724         | High         | High            | 2             | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH3                    | 1752886     | 5917666 |                                                | Meola Creek (Rawalpindi)      | 3                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| DSB08         | 725         | High         | High            | 2             | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH6                    | 1753191     | 5917720 |                                                | Meola Creek (Rawalpindi)      | 3                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| DSB08         | 726         | Low          | High            |               | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH18                   | 1753675     | 5917190 |                                                | Meola Creek (Rawalpindi)      | 3                | Low                          | 2                | Moderate                  | 2              | 1               |
| DSB08         | 727         | Low          | Low             |               | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH30 (Haverstock Road) | 1754080     | 5915982 |                                                | Meola Creek (Haverstock Road) | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DSB08         | 728         | High         | High            | 2             | 36           | Western Isthmus |                            | Branch 8 Mt Albert MH31                   | 1754096     | 5915954 |                                                | Meola Creek (Haverstock Road) | 3                | Moderate                     | 2                | Very high                 | 2              | 1               |
| DSORM         | 732         | High         | High            | 2             | 36           | Western Isthmus |                            | Orakei Main Sewer MH38                    | 1753068     | 5918721 |                                                | Lower Meola Creek             | 2                | Very high                    | 2                | Moderate                  | 2              | 1               |
| DSEDB         | 734         | High         | High            | 2             | 36           | Western Isthmus |                            | Edendale Branch MH1                       | 1754148     | 5916652 |                                                | Meola Creek (Lyon Avenue)     | 2                | Very high                    | 1                | Very high                 | 2              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|-------------------------------------|-------------------------------------|-------------|---------|------------------------------------------------|-------------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                                     |                                     | Ref X       | Ref Y   |                                                |                                     |                  |                              |                  |                           |                |                 |
| DSORM         | 736         | Medium       | High            |               | 36           | Western Isthmus |                                     | Orakei Main Sewer MH51A             | 1751768     | 5916936 |                                                | Oakley Creek (Oakley Creek Walkway) | 2                | Very high                    | 1                | High                      | 1              | 1               |
| DSB08         | 739         | High         | High            | 2             | 36           | Western Isthmus |                                     | Branch 8 Mt Albert MH7              | 1753224     | 5917728 |                                                | Meola Creek (Rawalpindi)            | 3                | Moderate                     | 2                | Moderate                  | 2              | 1               |
| DSB07A        | 742         | Medium       | High            |               | 36           | Western Isthmus |                                     | Branch 7A MH1                       | 1754979     | 5918257 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
| DPGN2         | 1197        | Low          | Low             | 1             | 36           | Western Isthmus | Great North Road WWPS               | Great North Road WWPS               | 1750809     | 5914776 |                                                | Small tributary of Whau Creek 1     | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
| DPWNG         | 1198        | Low          | Low             |               | 36           | Western Isthmus | Wingate Street WWPS                 | Wingate Street WWPS                 | 1750148     | 5914844 |                                                | Whau River                          | 2                | Very low                     | 1                | Very low                  | 1              | 1               |
|               | 1461        | Low          | Low             |               | 36           | Western Isthmus | 4 Haycock Avenue                    | 4 Haycock Avenue                    | 1753358     | 5913017 |                                                | Whau Creek (White Swan Road)        | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | 1502        | Low          | Low             |               | 36           | Western Isthmus | 84 Wolverton Rd                     | 84 Wolverton Rd                     | 1750982     | 5913840 |                                                | Whau Creek                          | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1505        | Low          | Low             |               | 36           | Western Isthmus | 13 Sefton Ave                       | 13 Sefton Ave                       | 1754317     | 5918786 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1506        | Medium       | High            | 2             | 36           | Western Isthmus | 1/94 School Rd                      | 1/94 School Rd                      | 1754793     | 5918282 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 1508        | Medium       | High            |               | 36           | Western Isthmus | 39 Commercial Rd                    | 39 Commercial Rd                    | 1755347     | 5918284 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 1511        | Low          | Low             |               | 36           | Western Isthmus | 2 Harold Street                     | 2 Harold Street                     | 1756984     | 5918246 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1514        | High         | High            |               | 36           | Western Isthmus | Heron Park                          | Heron Park                          | 1751105     | 5916612 |                                                | Waterview Inlet (Saltire Street)    | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 1515        | Low          | Low             |               | 36           | Western Isthmus | Branch 7 MH34                       | Branch 7 MH34                       | 1755387     | 5918213 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |
| DSB09B        | 1518        | Medium       | High            |               | 36           | Western Isthmus | Hendon Ave (New Branch 9 Diversion) | Hendon Ave (New Branch 9 Diversion) | 1752256     | 5915038 |                                                | Oakley Creek (Allan Wood Reserve)   | 3                | Moderate                     | 1                | High                      | 2              | 1               |
|               | 1519        | High         | High            |               | 36           | Western Isthmus | Phyllis reserve                     | Phyllis reserve                     | 1751791     | 5916655 |                                                | Oakley Creek (Oakley Creek Walkway) | 2                | Very high                    | 1                | High                      | 1              | 1               |
|               | 1523        | Low          | Low             |               | 36           | Western Isthmus | 9 Suffolk Street                    | 9 Suffolk Street                    | 1756370     | 5918853 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1524        | Medium       | High            |               | 36           | Western Isthmus | 17 Fleet Street                     | 17 Fleet Street                     | 1756494     | 5918809 |                                                | Upper Motions Creek                 | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 1525        | Low          | Low             |               | 36           | Western Isthmus | 22 - 24 Randolph Street             | 22 - 24 Randolph Street             | 1756584     | 5919023 |                                                | Upper Motions Creek                 | 3                | Very low                     | 1                | High                      | 1              | 1               |

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|---------------|-------------|--------------|-----------------|---------------|--------------|-----------------|----------------------------|-----------------------------------|-------------|---------|------------------------------------------------|-----------------------------------|------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |              |                 |               |              |                 |                            |                                   | Ref X       | Ref Y   |                                                |                                   |                  |                              |                  |                           |                |                 |
| DSB09         | 1526        | Medium       | Medium          |               | 36           | Western Isthmus | Branch 9 MH91A             | Branch 9 MH91A                    | 1755348     | 5912373 |                                                | Oakley Creek (Keith Hay Park)     | 2                | High                         | 3                | Low                       | 2              | 1               |
|               | 1531        | Low          | Low             |               | 36           | Western Isthmus | 62 Olsen Ave               | 62 Olsen Ave                      | 1756048     | 5912756 |                                                | Tributary of Oakley Creek         | 3                | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | 1548        | High         | High            |               | 36           | Western Isthmus | 3/42 Fairlands Ave         | 3/42 Fairlands Ave                | 1751152     | 5916667 |                                                | Waterview Inlet (Saltaire Street) | 3                | Very low                     | 1                | Very low                  | 1              | 1               |
|               | 1537        | Low          | Low             |               | 36           | Western Isthmus | Suffolk Street (B)         | Suffolk Street                    | 1756376     | 5918858 |                                                | Upper Motions Creek               | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1538        | Low          | Low             |               | 36           | Western Isthmus | 30 Potatau St (B)          | 30 Potatau Street                 | 1755913     | 5918589 |                                                | Upper Motions Creek               | 3                | Very low                     | 1                | High                      | 1              | 1               |
|               | 1547        | Medium       | High            |               | 36           | Western Isthmus | Miranda Reserve (B)        | Miranda Reserve, adjacent to PS25 | 1751279     | 5913682 |                                                | Whau Creek                        | 3                | Moderate                     | 1                | Very high                 | 1              | 1               |
|               | 1589        | Medium       | Medium          | f             | 36           | Western Isthmus | 153 Whitney St             | 153 Whitney St                    | 1752206     | 5913308 |                                                | Whau Creek                        | 3                | Very low                     | 1                | High                      | 1              | 1               |

**Schedule 2 – Proposed Future Engineered Overflow Points in Indicative Future Urban Areas (Overflow Points potentially discharging to the CMA are highlighted in blue)**

| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name | Facility Name/ Description     | Address                 | Coordinates |         | Receiving Environment Name                          | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|----------------|--------------------------------|-------------------------|-------------|---------|-----------------------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                |                                |                         | Ref X       | Ref Y   |                                                     |                    |                              |                  |                           |                |                 |
|               | N1          | 1             | 1            | Wellsford      | Proposed future overflow point | SH1,Wellsford           | 1738318     | 5983987 | Unnamed tributary (north) of Whakapirau Creek       | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
| -             | N2          | 1             | 3            | Warkworth      | Proposed future overflow point | Woodcocks Rd, Warkworth | 1747148     | 5969550 | Mahurangi River (Right Branch)                      | 3                  | Very low                     | 2                | Low                       | 2              | 2               |
| -             | N3          | 1             | 3            | Warkworth      | Proposed future overflow point | Wyllie Rd, Warkworth    | 1746781     | 5969159 | Mahurangi River (Right Branch)                      | 3                  | Very low                     | 2                | Low                       | 2              | 2               |
| -             | N4          | 1             | 3            | Warkworth      | Proposed future overflow point | Wyllie Rd, Warkworth    | 1746905     | 5968306 | Mahurangi River (Right Branch)                      | 3                  | Very low                     | 2                | Low                       | 2              | 2               |
| -             | N5          | 1             | 3            | Warkworth      | Proposed future overflow point | Wyllie Rd, Warkworth    | 1746843     | 5967959 | Mahurangi River (Right Branch)                      | 3                  | Very low                     | 2                | Low                       | 2              | 2               |
| -             | N6          | 1             | 3            | Warkworth      | Proposed future overflow point | SH1, Warkworth          | 1747853     | 5968464 | Unnamed tributary of Mahurangi River (Right Branch) | 3                  | Very low                     | 2                | Low                       | 2              | 2               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name              | Facility Name/<br>Description  | Address                     | Coordinates |         | Receiving Environment Name                          | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|-----------------------------|--------------------------------|-----------------------------|-------------|---------|-----------------------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                             |                                |                             | Ref X       | Ref Y   |                                                     |                    |                              |                  |                           |                |                 |
| -             | N7          | 1             | 3            | Warkworth                   | Proposed future overflow point | SH1, Warkworth              | 1748606     | 5968568 | Unnamed tributary of Mahurangi River (Right Branch) | 3                  | Very low                     | 2                | Low                       | 2              | 2               |
| -             | N8          | 1             | 3            | Warkworth                   | Proposed future overflow point | Wilson Rd South, Warkworth  | 1750964     | 5968869 | Unnamed tributary (1) to Mahurangi River Estuary    | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | N9          | 1             | 3            | Warkworth                   | Proposed future overflow point | Hepburn Creek Rd, Warkworth | 1750488     | 5968478 | Unnamed tributary (2) to Mahurangi River Estuary    | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
| -             | N10         | 1             | 3            | Warkworth                   | Proposed future overflow point | Hepburn Creek Rd, Warkworth | 1750483     | 5968240 | Unnamed tributary (3) to Mahurangi River Estuary    | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | N80         | 1             | 3            | Warkworth                   | Proposed future overflow point | Matakana Rd, Warkworth      | 1748654     | 5972125 | Unnamed tributary (2) of Mahurangi River            | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
| -             | N81         | 1             | 3            | Warkworth                   | Proposed future overflow point | Great North Rd, Warkworth   | 1736318     | 5971490 | Unnamed tributary (3) of Mahurangi River            | 3                  | Very low                     | 3                | Very low                  | 2              | 1               |
| -             | N11         | 1             | 4            | Snells Beach/<br>Algies Bay | Proposed future overflow point | Goodall Road, Snells Beach  | 1755002     | 5966789 | Northern Arm of Mahurangi Harbour                   | 3                  | Very low                     | 1                | Very low                  | 2              | 2               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name              | Facility Name/<br>Description           | Address         | Coordinates |         | Receiving Environment Name         | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|-----------------------------|-----------------------------------------|-----------------|-------------|---------|------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                             |                                         |                 | Ref X       | Ref Y   |                                    |                    |                              |                  |                           |                |                 |
| -             | N12         | 1             | 4            | Snells Beach/<br>Algies Bay | Proposed future overflow point          | Goldsworthy Bay | 1757614     | 5966094 | Goldsworthy Bay beach              | 1                  | Low                          | 2                | Very low                  | 1              | 1               |
|               | N13         | 1             | 7            | Orewa                       | Proposed Pump Station, West Hoe Heights | -               | 1750045     | 5951068 | Nukumea Stream                     | 3                  | Very low                     | 1                | High                      | 2              | 1               |
|               | N16         | 1             | 7            | Orewa                       | Proposed future overflow point          | -               | 1746908     | 5948318 | Orewa River                        | 2                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N17         | 1             | 7            | Orewa                       | Proposed Pump station, Lysnar Road      | -               | 1747736     | 5947361 | Waterloo Creek                     | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N18         | 1             | 7            | Orewa                       | Proposed Pump Station, Kowhai Road (2)  | -               | 1748393     | 5948373 | Western arm of Orewa River Estuary | 1                  | Very low                     | 2                | Very low                  | 1              | 1               |
|               | N23         | 1             | 8            | Weiti                       | Proposed future overflow point          | -               | 1748153     | 5943987 | John Creek                         | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name     | Facility Name/<br>Description  | Address                    | Coordinates |         | Receiving Environment Name | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|--------------------|--------------------------------|----------------------------|-------------|---------|----------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                    |                                |                            | Ref X       | Ref Y   |                            |                    |                              |                  |                           |                |                 |
|               | N24         | 1             | 8            | Weiti              | Proposed future overflow point | -                          | 1748544     | 5945098 | John Creek                 | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
| -             | N25         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Boundary Road, Hobsonville | 1749147     | 5927201 | Harrier Point              | 1                  | Low                          | 2                | Very low                  | 2              | 2               |
| -             | N31         | 1             | 16           | Upper Harbour West | Proposed future overflow point | SH 16, Whenuapai           | 1742024     | 5926933 | Brighams Creek             | 2                  | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | N32         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Kennedys Road, Whenuapai   | 1742536     | 5927406 | Brighams Creek             | 2                  | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | N33         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Bristol Road, Whenuapai    | 1743228     | 5928544 | Brighams Creek             | 2                  | Very low                     | 1                | Very low                  | 1              | 1               |
| -             | N34         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Totara Road, Whenuapai     | 1744325     | 5928440 | Rarawaru Creek             | 2                  | Very low                     | 1                | Very low                  | 2              | 1               |
| -             | N35         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Totara Road, Whenuapai     | 1745255     | 5928792 | Orchard Stream Estuary     | 3                  | Very low                     | 1                | Very low                  | 2              | 1               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name     | Facility Name/<br>Description  | Address                          | Coordinates |         | Receiving Environment Name | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|--------------------|--------------------------------|----------------------------------|-------------|---------|----------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                    |                                |                                  | Ref X       | Ref Y   |                            |                    |                              |                  |                           |                |                 |
| -             | N36         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Totara Road, Whenuapai           | 1745958     | 5928647 | Kotukutuku Inlet           | 3                  | Very low                     | 1                | Very low                  | 2              | 1               |
| -             | N37         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Puriri Road, Whenuapai           | 1746641     | 5928461 | Te Turerenga Inlet         | 2                  | Very low                     | 1                | Very low                  | 2              | 1               |
| -             | N38         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Kauri Road, Whenuapai            | 1746341     | 5927054 | Waiarohia Inlet            | 2                  | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | N39         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Sinton Road, Hobsonville         | 1746569     | 5926879 | Waiarohia Inlet            | 2                  | Very low                     | 2                | Very low                  | 1              | 1               |
| -             | N40         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Brighams Creek Road, Hobsonville | 1745969     | 5926165 | Waiarohia Stream           | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | N41         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Brighams Creek Road, Hobsonville | 1745690     | 5926124 | Waiarohia Stream           | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | N42         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Brighams Creek Road, Whenuapai   | 1742970     | 5926662 | Totara Creek Estuary       | 3                  | Very low                     | 1                | Very low                  | 1              | 1               |



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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name     | Facility Name/<br>Description  | Address                           | Coordinates |         | Receiving Environment Name       | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|--------------------|--------------------------------|-----------------------------------|-------------|---------|----------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                    |                                |                                   | Ref X       | Ref Y   |                                  |                    |                              |                  |                           |                |                 |
| -             | N43         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Hailes Road, Whenuapai            | 1741532     | 5925421 | Ngongetepara Stream              | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
| -             | N44         | 1             | 16           | Upper Harbour West | Proposed future overflow point | North-Western Motorway, Whenuapai | 1743383     | 5925312 | Totara Creek                     | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
| -             | N45         | 1             | 16           | Upper Harbour West | Proposed future overflow point | Henwood Road, Taupaki             | 1741956     | 5923952 | Ngongetepara Stream              | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
|               | N46         | 1             | 29           | Pahurehure Inlet   | Proposed future overflow point | Gills Avenue, Papakura            | 1772331     | 5896744 | Pahurehure Inlet Basin 2         | 3                  | Very low                     | 2                | Low                       | 2              | 1               |
|               | N47         | 1             | 29           | Pahurehure Inlet   | Proposed future overflow point | Marne Road, Papakura              | 1773687     | 5895253 | Unnamed tributary to Hays Stream | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | N48         | 1             | 29           | Pahurehure Inlet   | Proposed future overflow point | Boundary Road, Papakura           | 1774071     | 5894558 | Hays Stream                      | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N49         | 1             | 29           | Pahurehure Inlet   | Proposed future overflow point | Hunua Road, Red Hill              | 1775173     | 5894614 | Hays Stream                      | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name   | Facility Name/<br>Description  | Address               | Coordinates |         | Receiving Environment Name          | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|------------------|--------------------------------|-----------------------|-------------|---------|-------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                  |                                |                       | Ref X       | Ref Y   |                                     |                    |                              |                  |                           |                |                 |
|               | N50         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Sutton Road, Opaheke  | 1774066     | 5893394 | Unnamed tributary of Slippery Creek | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N51         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Waihoehoe Road, Drury | 1773670     | 5891529 | Unnamed tributary of Hingaia Stream | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N52         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Flanagan Road, Drury  | 1773105     | 5891264 | Hingaia Stream                      | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N53         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Fielding Road, Drury  | 1774834     | 5891128 | Unnamed tributary of Hingaia Stream | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N54         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Quarry Road, Drury    | 1774501     | 5889857 | Hingaia Stream                      | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N55         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Maketu Road, Drury    | 1775105     | 5888518 | Hingaia Stream                      | 3                  | Very low                     | 2                | Very low                  | 2              | 2               |
|               | N56         | 1             | 29           | Pahurehure Inlet | Proposed future overflow point | Mercer St, Drury      | 1772645     | 5891181 | Ngakoroa Stream                     | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name      | Facility Name/<br>Description  | Address                 | Coordinates |         | Receiving Environment Name                        | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|---------------------|--------------------------------|-------------------------|-------------|---------|---------------------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                     |                                |                         | Ref X       | Ref Y   |                                                   |                    |                              |                  |                           |                |                 |
|               | N57         | 1             | 29           | Pahurehure Inlet    | Proposed future overflow point | Burt Road, Runciman     | 1772645     | 5889696 | Ngakoroa Stream                                   | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
|               | N58         | 1             | 29           | Pahurehure Inlet    | Proposed future overflow point | Oira Road, Runciman     | 1770540     | 5890878 | Oira Creek                                        | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
|               | N59         | 1             | 29           | Pahurehure Inlet    | Proposed future overflow point | Woodlyn Drive, Runciman | 1770546     | 5889239 | Oira Creek                                        | 3                  | Very low                     | 2                | Very low                  | 2              | 1               |
|               | N62         | 1             | 29           | Pahurehure Inlet    | Proposed future overflow point | Bremner Road, Drury     | 1772346     | 5892097 | Unnamed tributary (1) to Drury Creek              | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | N63         | 1             | 31           | Beachlands-Maraetai | Proposed future overflow point | -                       | 1779259     | 5914778 | Pine Harbour Marina Stream South                  | 3                  | Low                          | 2                | Very low                  | 1              | 1               |
| -             | N65         | 1             | 32           | Clarks Beach        | Proposed future overflow point | -                       | 1751539     | 5888319 | Unnamed tributary to Taihiki River                | 1                  | Very low                     | 1                | Very low                  | 1              | 1               |
|               | N67         | 1             | 34           | Pukekohe            | Proposed future overflow point | Belmont Rd, Pukekohe    | 1766916     | 5880809 | Unnamed tributary of Whangapouri Creek (Adams Rd) | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |

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| Facility Code | Overflow ID | Overflow Type | Catchment No | Catchment Name         | Facility Name/<br>Description  | Address                 | Coordinates |         | Receiving Environment Name                             | Recreational Class | Potential Public Health Risk | Ecological Class | Potential Ecological Risk | Cultural Class | Aesthetic Class |
|---------------|-------------|---------------|--------------|------------------------|--------------------------------|-------------------------|-------------|---------|--------------------------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                        |                                |                         | Ref X       | Ref Y   |                                                        |                    |                              |                  |                           |                |                 |
|               | N68         | 1             | 34           | Pukekohe               | Proposed future overflow point | Paerata Rd, Paerata     | 1767663     | 5886462 | Unnamed tributary of Whangapouri Creek (Paerata Rd)    | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N69         | 1             | 34           | Pukekohe               | Proposed future overflow point | Sim Rd, Paerata         | 1768320     | 5886450 | Unnamed tributary of Whangapouri Creek (Sim Rd)        | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N73         | 1             | 34           | Pukekohe               | Proposed future overflow point | Schlaepfer Rd, Pukekohe | 1766350     | 5881531 | Unnamed tributary of Whangapouri Creek (Schlaepfer Rd) | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N74         | 1             | 34           | Pukekohe               | Proposed future overflow point | Karaka Rd, Paerata      | 1768061     | 5888259 | Unnamed tributary of Whangapouri Creek (Paerata Rd)    | 3                  | Very low                     | 2                | Moderate                  | 2              |                 |
|               | N75         | 1             | 35           | Kumeu-Huapai-Riverhead | Proposed future overflow point | Trigg Road, Huapai      | 1735835     | 5930423 | Unnamed tributary (1) to Kumeu River                   | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |
|               | N76         | 1             | 35           | Kumeu-Huapai-Riverhead | Proposed future overflow point | Matua Road, Huapai      | 1735565     | 5930438 | Unnamed tributary (1) to Kumeu River                   | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |

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|---------------|-------------|---------------|--------------|------------------------|--------------------------------|--------------------------|-------------|---------|--------------------------------------|--------------------|------------------------------|------------------|---------------------------|----------------|-----------------|
|               |             |               |              |                        |                                |                          | Ref X       | Ref Y   |                                      |                    |                              |                  |                           |                |                 |
|               | N77         | 1             | 35           | Kumeu-Huapai-Riverhead | Proposed future overflow point | Matua Road, Huapai       | 1735286     | 5926541 | Unnamed tributary (2) to Kumeu River | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | N78         | 1             | 35           | Kumeu-Huapai-Riverhead | Proposed future overflow point | Matua Road, Huapai       | 1735244     | 5926927 | Unnamed tributary (3) to Kumeu River | 3                  | Very low                     | 2                | Moderate                  | 2              | 1               |
|               | N79         | 1             | 35           | Kumeu-Huapai-Riverhead | Proposed future overflow point | State Highway 16, Huapai | 1735012     | 5930101 | Ahukuramu Stream                     | 3                  | Very low                     | 2                | Moderate                  | 2              | 2               |

## APPENDIX 2: DEFINITIONS

### Definitions

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auckland                                   | The geographical area defined in section 4(1) of the Local Government (Auckland Council) Act 2009.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Best Practicable Option (BPO)              | <p>In relation to a discharge of a contaminant or an emission of noise, means the best method for preventing or minimising the adverse effects on the environment having regard, among other things, to—</p> <ul style="list-style-type: none"> <li>(a) the nature of the discharge or emission and the sensitivity of the receiving environment to adverse effects; and</li> <li>(b) the financial implications, and the effects on the environment, of that option when compared with other options; and</li> <li>(c) the current state of technical knowledge and the likelihood that the option can be successfully applied.</li> </ul> <p>(Resource Management Act 1991)</p> |
| Class 1 Recreational Receiving Environment | <ul style="list-style-type: none"> <li>1. An area where contact recreation is known to occur (i.e. located on a known bathing beach). If the beach is a Safe Swim site this is deemed to be an indicator of high use; and/or</li> <li>2. A known shellfish gathering site; and/or</li> <li>3. Aquaculture areas.</li> </ul>                                                                                                                                                                                                                                                                                                                                                       |
| Computer Modelling                         | The formal simulation of the wastewater network using a mathematical model to predict network performance from a set of parameters and conditions, using a combination of hydrologic (such as MOUSE-ROI) and hydraulic (such as MOUSE) programmes.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Consultation                               | Engagement in a spirit of good will and open-mindedness to ensure that the Consent Holder is fully informed of the other parties' concerns and issues when preparing and reviewing the Wastewater Network Strategy.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dry Weather Flow                           | <p>The flow in the wastewater network that would occur during a normal day in a dry weather period, including wastewater, trade waste and groundwater infiltration.</p> <p>Groundwater is defined as any natural water, including salt water, which has not become mixed</p>                                                                                                                                                                                                                                                                                                                                                                                                      |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | with wastewater or trade waste.                                                                                                                                                                                                                                                                                                                                                                              |
| Dry Weather Overflow (DWO)   | An overflow that occurs during dry weather flow from any part of the network, usually as a result of blockage, breakage, mechanical or power failure at pump stations or storage facilities, system failure or the lack of hydraulic capacity in the network during periods of dry weather flow.                                                                                                             |
| Engineered Overflow Point    | A location where a discharge from an engineered overflow structure occurs.                                                                                                                                                                                                                                                                                                                                   |
| Existing Network             | <p>The separated and combined wastewater network owned and operated by Watercare Services Limited (as the Auckland water organisation) at the time the Auckland Wastewater Network Comprehensive Discharge Permit commences.</p> <p>For avoidance of doubt, any additional or New Engineered Overflow Points become part of the Existing Network after the engineered overflow structure has been built.</p> |
| Existing Urban Area          | <ul style="list-style-type: none"> <li>Any area within the metropolitan urban limits, and;</li> <li>Any area included within the urban zones (under an operative district plan) of a rural or coastal settlement;</li> </ul> <p>at the time the Auckland Wastewater Network Comprehensive Discharge Permit commences.</p>                                                                                    |
| Future Network               | <p>The <i>Network</i>, including Engineered Overflow Points and other Network assets,</p> <ul style="list-style-type: none"> <li>in currently unserviced areas within any <i>Existing Urban Area</i>; or</li> <li>to be constructed within any <i>Indicative Future Urban Area</i> after the area has been given an urban zoning.</li> </ul>                                                                 |
| Indicative Future Urban Area | Any area shown in the maps in Attachment 1 as Indicative Future Urban Area.                                                                                                                                                                                                                                                                                                                                  |
| Manager                      | The designated person authorised by the Auckland Council, or their delegate.                                                                                                                                                                                                                                                                                                                                 |
| Metropolitan Urban Limit     | The boundary between rural area and urban area delineated on the Map Series 1, Sheets 1- 20 of the Auckland Council Regional Policy Statement (July                                                                                                                                                                                                                                                          |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | 1999) and subsequent amendments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network                               | <p>The wastewater network owned and operated by Watercare Services Limited (as the Auckland water organisation), including all assets necessary for the operation of the network, including but not limited to pipelines, pipe bridges, siphons, rising mains, overflow structures, storage facilities and pump stations.</p> <p>The Network includes the transmission system (the larger pipes that convey wastewater collected by local network pipes to the wastewater treatment plant.) and the local system (the smaller pipes that convey wastewater from individual properties or housing or commercial developments to the transmission network.).</p> |
| New Engineered Overflow Point         | An Engineered Overflow Point that is an addition to the Network after the Auckland Wastewater Network Comprehensive Discharge Permit commences.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Normal Operation (of the Network)     | Excludes events which are due to circumstances beyond the Consent Holder's control and which cannot be provided against, and are defined as follows: (a) Chokes. Network Failure, a force majeure (including vandalism and for terrorism); (b) Heavy rain which occurs at the same time maintenance or construction or re-construction of the Network and is beyond the diversion capacity.                                                                                                                                                                                                                                                                    |
| Overflow<br>or<br>Wastewater Overflow | A discharge from the Network that occurs in either a controlled manner from an Engineered Overflow Point or in an uncontrolled manner from any other point in the network, either during times of Dry Weather Flow or Wet Weather Flow.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Overflow Point                        | An existing or future physical discharge location where the discharge is from an engineered overflow structure in the wastewater network.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Repeat Dry Weather Overflow           | A Dry Weather Overflow that occurs more than once at the same location within a 12 month period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Replacement Engineered Overflow Point | A like-for-like replacement (including a minor upgrade of the Engineered Overflow Structure) of the existing Engineered Overflow Point.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reported Wastewater Overflow          | An Overflow that is reported by any person to the Watercare Control Room or that has been identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



|                                       |                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | as having occurred by Watercare's telemetry system.                                                                                                                                                                                                                                                       |
| SEA-M1                                | Significant Ecological Area – Marine 1, as defined in the Proposed Auckland Unitary Plan notified 30 September 2013. An area which, due to its physical form, scale or inherent values, is considered to be the most vulnerable to any adverse effects of inappropriate subdivision, use and development. |
| Similar Location                      | A location within a radius of 500 metres of the original location provided that it is within the same receiving environment.                                                                                                                                                                              |
| Type 1 Overflow Points                | Engineered structures associated with a WWPS.                                                                                                                                                                                                                                                             |
| Type 2 Overflow Points                | Engineered structures that provide a relief point on the network, including combined sewer overflows (CSOs).                                                                                                                                                                                              |
| Type 3 Overflows Points               | Uncontrolled overflow points that usually discharge from a manhole as the result of surcharging during wet weather.                                                                                                                                                                                       |
| Wastewater                            | Liquid (and liquids containing solids) waste from domestic, industrial, institutional or commercial premises including (but not limited to) toilet wastes, sullage, trade wastes and gross solids.                                                                                                        |
| Wastewater Network                    | A system of pipes, open channels and associated ancillary structures for the purpose of conveying, diverting, storing, treating or discharging wastewater.                                                                                                                                                |
| Wastewater Network Strategy           | The document that describes network improvement planning and prioritisation of network improvements for a period of six years.                                                                                                                                                                            |
| Wastewater Overflow<br>or<br>Overflow | A discharge from the network that occurs in either a controlled manner from an engineered overflow point or in an uncontrolled manner from any other point in the network, either during times of dry weather flow or wet weather flow.                                                                   |
| Wet Weather Flow                      | The flow within a wastewater network that is greater than the dry weather flow, and which occurs as a result of rainfall (directly or indirectly) entering the Network.                                                                                                                                   |
| Wet Weather Overflow (WWO)            | A wastewater overflow during times of wet weather flow.                                                                                                                                                                                                                                                   |

Wet Weather Overflow Event

One or more wet weather overflows that end(s) when all overflows have ceased discharging for more than 24 hours. Where the overflow stops and then recommences within 24 hours as a result of a single continuous or intermittent rainfall event, it is considered a single wet weather overflow event.

**Classification of Dry Weather Overflow Incidents**

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Level 1<br/>(Spill)</b></p>                | <p>A Level 1 incident is capable of being managed as a matter of routine operations, resolved in a reasonable timeframe and where there is one or more of the following:</p> <ul style="list-style-type: none"> <li>• ground containment;</li> <li>• no discharge to a water course;</li> <li>• contamination of less than 50 m<sup>2</sup> of adjacent ground;</li> <li>• no property damage;</li> <li>• public health risk limited to one household (private property); and;</li> <li>• no affect on in-stream ecology.</li> </ul>                                                                                                                                                                                                                                                                                                                        |
| <p><b>Level 2<br/>(Minor Overflow)</b></p>       | <p>A Level 2 incident is capable of being managed as a matter of routine operations, resolved in a reasonable timeframe and where there is one or more of the following:</p> <ul style="list-style-type: none"> <li>• a discharge to an open water course or piped storm water system and where natural dilution or containment minimises the impact on the water body;</li> <li>• there is a low ammonia reading 100m downstream (&lt;3ppm);</li> <li>• potential impact on fish/wildlife;</li> <li>• contamination of greater than 50 m<sup>2</sup> of adjacent ground;</li> <li>• minimal effect on in-stream ecology;</li> <li>• property damage less than \$1000;</li> <li>• potential health risk limited to 2 households (private property); or</li> <li>• potential health risk limited to less than 10 people (sensitive public place).</li> </ul> |
| <p><b>Level 3<br/>(Significant Overflow)</b></p> | <p>A Level 3 incident requires escalation due to complexity, consequential effects and involvement of Communications and other specialist support where there is one or more of the following:</p> <ul style="list-style-type: none"> <li>• short term of less than 4 hours of high volume/rate or an extended duration of less than 12 hours (from time of notification) of low volume/rate discharge to water body or sensitive land and where minimal dilution or containment is possible;</li> <li>• there is obvious contamination of stream/water body or the stream is anoxic and or black;</li> <li>• there is reasonably high ammonia readings (&gt;3ppm) 100m downstream;</li> <li>• potential impact on in-stream ecology;</li> <li>• in-stream ecology is stressed;</li> </ul>                                                                  |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | <ul style="list-style-type: none"> <li>• potential impact on shellfish gathering;</li> <li>• potential impact on recreational bathing;</li> <li>• property damage less than \$10,000;</li> <li>• health risk to more than 2 households (private property);</li> <li>• health risk to more than 10 people (sensitive public place);</li> <li>• or</li> <li>• prosecution is possible.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Level 4<br/>(Major Overflow)</b> | <p>A Level 4 incident requires escalation due to complexity, consequential effects and involvement of Communications and other specialist support where there is:</p> <ul style="list-style-type: none"> <li>• prolonged duration of greater than 4 hours of high volume/rate or greater than 12 hours (from time of notification) of low volume discharge to waterbody or sensitive land where no containment is possible;</li> <li>• the stream is anoxic and/or black;</li> <li>• definite impact on fish/wildlife, severely stressed or dead;</li> <li>• definite impact on shellfish gathering;</li> <li>• definite impact on recreational bathing;</li> <li>• property damage greater than \$10,000;</li> <li>• definite health risk to more than 10 households (private property);</li> <li>• definite health risk to more than 100 people (sensitive public place);</li> <li>• or</li> <li>• prosecution is likely.</li> </ul> |
| <b>Level 5<br/>(Catastrophe)</b>    | <p>A Level 5 incident is a catastrophe or a Civil Defence State of Emergency. A Level 5 incident is coordinated by the Executive Management Team due to consequential effects, incident management complexity and multi-agency involvement and may be triggered by a Regional or National Civil Defence Emergency or a regional Water Services event of extreme nature.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## APPENDIX 3: REPORTED PUBLIC INCIDENTS BETWEEN 1 JULY 17 – 30 JUNE 18

Table 1: Overflows in the Wellsford Strategic Management Area

| Date       | SR #     | Compkey  | Address               | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-----------|---------------------------------------------|--------------|---------------------------|----------------|--------------------------|--------------------|-------------|
| 4/07/2017  | 13617330 | 27668736 | 8 School Rd           | Wellsford | N/A                                         | L1           | 124                       | Unknown        | No                       | No                 | Yes         |
| 26/08/2017 | 13716421 | 29508452 | 26 Armitage Rd        | Wellsford | N/A                                         | L1           | 134                       | Fat            | No                       | No                 | Yes         |
| 20/11/2017 | 13882632 | 29508651 | 43 Worker Rd          | Wellsford | N/A                                         | L1           | 450                       | Foreign Object | No                       | No                 | Yes         |
| 27/11/2017 | 13900171 | 29508741 | 92 Rodney St          | Wellsford | N/A                                         | L1           | 523                       | Unknown        | No                       | No                 | Yes         |
| 2/12/2017  | 13915353 | 29517893 | 60 Worker Rd          | Wellsford | N/A                                         | L1           | 48                        | Broken Pipe    | No                       | No                 | Yes         |
| 16/12/2017 | 13949574 | 29508710 | 23 Totara Vw          | Wellsford | N/A                                         | L1           | 239                       | Roots          | No                       | No                 | Yes         |
| 13/04/2018 | 14209233 | 29508896 | 88 Centennial Park Rd | Wellsford | -                                           | L3           | 252                       | Broken pipe    | Yes                      | Yes                | Yes         |
| 3/06/2018  | 14335024 | 29508664 | 1/78 Port Albert Rd   | Wellsford | N/A                                         | L1           | 143                       | Fat            | No                       | No                 | Yes         |
| 12/06/2018 | 14355358 | 27663941 | 133- Rodney St        | Wellsford | N/A                                         | L1           | 383                       | Unknown        | No                       | No                 | Yes         |
| 14/06/2018 | 14361033 | 29508870 | 70 Davies Rd          | Wellsford | N/A                                         | L1           | 494                       | Fat            | No                       | No                 | Yes         |
| 27/06/2018 | 14394635 | 29508717 | 221 Rodney St         | Wellsford | N/A                                         | L1           | 319                       | Foreign Object | No                       | No                 | Yes         |

**Table 2: Overflows in the Omaha Strategic Management Area**

| Date       | SR #     | Compkey  | Address          | Suburb      | Ammonia<br>result 100m<br>down<br>stream | DWO<br>Level | Duration in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological Risk | Containment |
|------------|----------|----------|------------------|-------------|------------------------------------------|--------------|------------------------|-------------|----------|--------------------------|-----------------|-------------|
| 30/10/2017 | 13838094 | 50218395 | Shearwater Lane  | Point Wells | N/A                                      | L1           | 420                    | Broken pipe | 0        | No                       | No              | Yes         |
| 29/12/2017 | 13973593 | 27665826 | 7 Esme Grv       | Omaha       | N/A                                      | L1           | 400                    | Roots       | 0        | No                       | No              | Yes         |
| 30/12/2017 | 13974341 | 29517397 | 59 Blue Bell Pde | Omaha       | N/A                                      | L1           | 243                    | Unknown     | 0        | No                       | No              | Yes         |
| 2/01/2018  | 13975771 | 29517220 | 30 Ida Way       | Omaha       | N/A                                      | L1           | 430                    | Roots       | 0        | No                       | No              | Yes         |
| 27/01/2018 | 14031674 | 29517357 | 177 Omaha Dr     | Omaha       | N/A                                      | L1           | 21                     | Surcharging | 1        | No                       | No              | Yes         |
| 7/02/2018  | 14052709 | 29517220 | 9 Rita Way       | Omaha       | N/A                                      | L1           | 240                    | Unknown     | 0        | No                       | No              | Yes         |
| 3/03/2018  | 14110383 | 29517246 | 207 Omaha Dr     | Omaha       | N/A                                      | L1           | 174                    | Fat         | 0        | No                       | No              | Yes         |
| 13/03/2018 | 14136760 | 29517248 | 195 Omaha Dr     | Omaha       | N/A                                      | L1           | 16                     | Roots       | 0.4      | No                       | No              | Yes         |
| 24/04/2018 | 14235426 | 29513140 | 18 Tohora Cres   | Omaha       | N/A                                      | L1           | 185                    | Unknown     | 0        | No                       | No              | Yes         |
| 31/05/2018 | 14329539 | 27673520 | 26 Riverside Dr  | Point Wells | N/A                                      | L1           | 300                    | Broken pipe | 0.2      | No                       | No              | Yes         |

**Table 3: Overflows in the Warkworth Strategic Management Area**

| Date       | SR #     | Compkey  | Address          | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------|-----------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 21/07/2017 | 13650978 | 29512773 | 1/20 Auckland Rd | Warkworth | N/A                                         | L1           | 541                       | Broken pipe | 19       | No                       | No                 | Yes         |
| 5/08/2017  | 13677886 | 29512326 | 16 Elizabeth St  | Warkworth | 9                                           | L3           | 184                       | Fat         | 0        | Yes                      | Yes                | Yes         |
| 26/10/2017 | 13832740 | 29517747 | 10 Brown Rd      | Warkworth | N/A                                         | L1           | 429                       | Unknown     | 2.5      | No                       | No                 | Yes         |
| 31/10/2017 | 13842104 | 29512759 | 17 Brown Rd      | Warkworth | N/A                                         | L1           | 35                        | Broken pipe | 0        | No                       | No                 | Yes         |
| 4/11/2017  | 13850754 | 29512758 | 4 Walton Ave     | Warkworth | N/A                                         | L1           | 513                       | Rags        | 10.5     | No                       | No                 | Yes         |
| 15/11/2017 | 13870530 | 29512727 | 89 Hauiti Dr     | Warkworth | N/A                                         | L1           | 151                       | Fat         | 0.5      | No                       | No                 | Yes         |
| 16/11/2017 | 13873485 | 29511865 | 10 Auckland Rd   | Warkworth | N/A                                         | L1           | 332                       | Silts       | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13890373 | 29511867 | 10 Auckland Rd   | Warkworth | N/A                                         | L1           | 422                       | Silts       | 0        | No                       | No                 | Yes         |
| 26/12/2017 | 13967540 | 29512326 | 10 Elizabeth St  | Warkworth | N/A                                         | L1           | 519                       | Fat         | 6        | No                       | No                 | Yes         |
| 26/12/2017 | 13967526 | 29512326 | 16 Elizabeth St  | Warkworth | N/A                                         | L1           | 501                       | Fat         | 6        | No                       | No                 | Yes         |
| 12/01/2018 | 13999747 | 29512760 | 17 Brown Rd      | Warkworth | 6                                           | L2           | 72                        | Unknown     | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14045860 | 29512326 | 16 Elizabeth St  | Warkworth | N/A                                         | L1           | 470                       | Fat         | 18       | No                       | No                 | Yes         |
| 16/02/2018 | 14074959 | 29511851 | 9 Hexham St      | Warkworth | N/A                                         | L1           | 438                       | Unknown     | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14114266 | 29512214 | 6 Melwood Dr     | Warkworth | N/A                                         | L1           | 380                       | Roots       | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14114834 | 29512326 | 16 Elizabeth St  | Warkworth | N/A                                         | L1           | 124                       | Fat         | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14159426 | 29512441 | 54 Pulham Rd     | Warkworth | N/A                                         | L1           | 352                       | Roots       | 0        | No                       | No                 | Yes         |
| 19/04/2018 | 14223913 | 27669960 | 13 Bennett St    | Warkworth | N/A                                         | L1           | 466                       | Roots       | 0        | No                       | No                 | Yes         |
| 25/04/2018 | 14238078 | 27663284 | 1 Matakana Rd    | Warkworth | N/A                                         | L1           | 421                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 12/06/2018 | 14356158 | 29512246 | 1 Matakana Rd    | Warkworth | N/A                                         | L1           | 129                       | Unknown     | 35.5     | No                       | No                 | Yes         |
| 20/06/2018 | 14376142 | 29512685 | 28 Hauiti Dr     | Warkworth | N/A                                         | L1           | 147                       | Roots       | 3.5      | No                       | No                 | Yes         |

**Table 4: Overflows in the Snells Beach/ Algies Bay Strategic Management Area**

| Date       | SR #     | Compkey  | Address           | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 10/08/2017 | 13687195 | 29500423 | 8 Heron Lane      | Snells Beach | N/A                                         | L1           | 504                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 23/08/2017 | 13710602 | 29504098 | 62 Mera Rd        | Algies Bay   | N/A                                         | L1           | 206                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/09/2017  | 13729386 | 29503997 | 48 Fidelis Ave    | Snells Beach | N/A                                         | L1           | 171                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/09/2017 | 13747125 | 29510920 | 18 Schooner Ave   | Snells Beach | N/A                                         | L1           | 397                       | Fat            | 3        | No                       | No                 | Yes         |
| 13/09/2017 | 13749977 | 27661640 | 20 Schooner Ave   | Snells Beach | N/A                                         | L1           | 243                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 10/10/2017 | 13801156 | 29504048 | 3 The Glade       | Algies Bay   | 0.5                                         | L2           | 293                       | Roots          | 1        | No                       | No                 | Yes         |
| 12/10/2017 | 13805512 | 29504052 | 31 Mariners Grv   | Algies Bay   | N/A                                         | L1           | 456                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862229 | 29500499 | 3 Brigitte Vw     | Snells Beach | N/A                                         | L1           | 259                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/12/2017 | 13967746 | 29500527 | 7 Amanda Lane     | Snells Beach | N/A                                         | L1           | 182                       | Roots          | 4        | No                       | No                 | Yes         |
| 3/01/2018  | 13977097 | 27670259 | 23B Foster Cres   | Snells Beach | N/A                                         | L1           | 549                       | Roots          | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13996045 | 27658859 | 166 Miller Way    | Martins Bay  | -                                           | L2           | 306                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14002038 | 27671536 | 6 Tamatea Dr      | Snells Beach | N/A                                         | L1           | 260                       | Roots          | 0        | No                       | No                 | Yes         |
| 15/04/2018 | 14212516 | 29500384 | 22 Washington Ave | Snells Beach | N/A                                         | L1           | 226                       | Fat            | 7        | No                       | No                 | Yes         |
| 3/05/2018  | 14257905 | 29500441 | 31 Cornel Cir     | Snells Beach | 1                                           | L2           | 68                        | Fat            | 0        | No                       | No                 | Yes         |
| 22/05/2018 | 14305413 | 27669020 | 33 Merehai Pl     | Snells Beach | N/A                                         | L1           | 194                       | Roots          | 3        | No                       | No                 | Yes         |
| 5/06/2018  | 14337228 | 27665240 | Ariki Dr          | Snells Beach | N/A                                         | L1           | 285                       | Broken pipe    | 4.49     | No                       | No                 | Yes         |
| 29/06/2018 | 14399286 | 29517820 | 12 Schooner Ave   | Snells Beach | N/A                                         | L1           | 421                       | Foreign Object | 1        | No                       | No                 | Yes         |

**Table 5: Overflows in the Waiwera Strategic Management Area**

| Date      | SR #     | Compkey  | Address       | Suburb  | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|-----------|----------|----------|---------------|---------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 4/01/2018 | 13980767 | 29509353 | 36 Waiwera Rd | Waiwera | N/A                                         | L1           | 105                       | Foreign Object | 46       | No                       | No                 | Yes         |
| 7/05/2018 | 14265624 | 29509917 | 41 Weranui Rd | Waiwera | N/A                                         | L1           | 565                       | Fat            | 0.5      | No                       | No                 | Yes         |



**Table 6: Overflows in the Helensville Strategic Management Area**

| Date       | SR #     | Compkey  | Address          | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------|-------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 8/07/2017  | 13625890 | 29506325 | 29 Mangakura Rd  | Helensville | N/A                                         | L1           | 254                       | Unknown          | 8.65     | No                       | No                 | Yes         |
| 5/08/2017  | 13678096 | 50144207 | 13 Kowhai St     | Helensville | N/A                                         | L1           | 234                       | Roots            | 0        | No                       | No                 | Yes         |
| 18/09/2017 | 13759269 | 29506136 | 53 Rautawhiri Rd | Helensville | N/A                                         | L1           | 345                       | Broken pipe      | 9.5      | No                       | No                 | Yes         |
| 27/09/2017 | 13776604 | 29506320 | 6 Hand Rd        | Helensville | N/A                                         | L1           | 175                       | Surcharging      | 0.5      | No                       | No                 | Yes         |
| 16/10/2017 | 13811437 | 50144273 | 66 Garfield Rd   | Helensville | N/A                                         | L1           | 85                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13821410 | 50144256 | 1/54 Garfield Rd | Helensville | N/A                                         | L1           | 447                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14033029 | 27663495 | 1/35 Springs Rd  | Parakai     | N/A                                         | L1           | 475                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130606 | 29513225 | 127 Awaroa Rd    | Helensville | N/A                                         | L1           | 466                       | Unknown          | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14134216 | 50125593 | 23 Raabia Cl     | Parakai     | N/A                                         | L1           | 506                       | Roots            | 14       | No                       | No                 | Yes         |
| 17/03/2018 | 14146969 | 27669040 | 83 Rautawhiri Rd | Helensville | N/A                                         | L1           | 520                       | Unknown          | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147406 | 50051725 | 97 Rautawhiri Rd | Helensville | N/A                                         | L1           | 437                       | Unknown          | 0        | No                       | No                 | Yes         |
| 23/05/2018 | 14310736 | 29505722 | 22 Awaroa Rd     | Helensville | N/A                                         | L1           | 91                        | Foreign Object   | 30.91    | No                       | No                 | Yes         |
| 24/05/2018 | 14313155 | 50130540 | 59 Cabeleigh Dr  | Helensville | N/A                                         | L1           | 204                       | Roots            | 9.48     | No                       | No                 | Yes         |
| 25/06/2018 | 14386728 | 50130816 | 13 St James Ave  | Helensville | N/A                                         | L1           | 435                       | Unknown          | 25.5     | No                       | No                 | Yes         |
| 30/06/2018 | 14402107 | 50122925 | 21 Puriri St     | Helensville | N/A                                         | L1           | 242                       | Fat              | 0        | No                       | No                 | Yes         |

**Table 7: Overflows in the Orewa Catchment Area**

| Date       | SR #     | Compkey  | Address                 | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612603 | 29504486 | 2/14C Moffat Rd         | Orewa           | N/A                                         | L1           | 185                       | Fat            | 9        | No                       | No                 | Yes         |
| 2/07/2017  | 13612333 | 29513388 | 17 Totara Views Dr      | Red Beach       | N/A                                         | L1           | 571                       | Unknown        | 9        | No                       | No                 | Yes         |
| 17/07/2017 | 13640805 | 50205709 | Silverdale St           | Silverdale      | N/A                                         | L1           | 616                       | Foreign Object | 3.5      | No                       | No                 | Yes         |
| 30/07/2017 | 13665740 | 50075178 | 21 Nickell Pl           | Orewa           | N/A                                         | L1           | 90                        | Roots          | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13676126 | 29509110 | 1/97 Centreway Rd       | Orewa           | N/A                                         | L1           | 141                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13718030 | 29508179 | 18 Elizabeth St         | Orewa           | N/A                                         | L1           | 493                       | Roots          | 10       | No                       | No                 | Yes         |
| 29/08/2017 | 13720594 | 29509096 | 100 Florence Ave        | Orewa           | N/A                                         | L1           | 130                       | Unknown        | 0        | No                       | No                 | Yes         |
| 1/09/2017  | 13728113 | 29516074 | 479 Hibiscus Coast Hwy  | Orewa           | N/A                                         | L1           | 383                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 16/09/2017 | 13756383 | 29513368 | 20 Driftwood Dr         | Red Beach       | N/A                                         | L1           | 106                       | Unknown        | 3        | No                       | No                 | Yes         |
| 26/09/2017 | 13774651 | 29507583 | 44 Orewa Sq             | Orewa           | N/A                                         | L1           | 580                       | Fat            | 8        | No                       | No                 | Yes         |
| 5/10/2017  | 13791909 | 50125350 | 127 Grovenor Dr         | Orewa           | N/A                                         | L1           | 177                       | Unknown        | 0        | No                       | No                 | Yes         |
| 9/10/2017  | 13798779 | 29513700 | 127 Grovenor Dr         | Orewa           | N/A                                         | L1           | 161                       | Broken pipe    | 1        | No                       | No                 | Yes         |
| 9/10/2017  | 13798248 | 29509131 | 300- Hibiscus Coast Hwy | Orewa           | N/A                                         | L1           | 449                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 13/10/2017 | 13808210 | 29505416 | 26 Old North Rd         | Orewa           | N/A                                         | L1           | 567                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 26/10/2017 | 13832513 | 50138516 | 2 Centreway Rd          | Orewa           | N/A                                         | L1           | 141                       | Unknown        | 1        | No                       | No                 | Yes         |
| 27/10/2017 | 13833722 | 50029341 | 1/54 Hatton Rd          | Orewa           | N/A                                         | L1           | 301                       | Fat            | 6        | No                       | No                 | Yes         |
| 9/12/2017  | 13932293 | 27658144 | 4 Moffat Rd             | Orewa           | N/A                                         | L1           | 622                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13958480 | 29509015 | 67 Waldorf Cres         | Orewa           | N/A                                         | L1           | 466                       | Roots          | 3        | No                       | No                 | Yes         |
| 24/12/2017 | 13966899 | 29517722 | 77 Roberta Cres         | Orewa           | N/A                                         | L1           | 510                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14034485 | 29509403 | 39 Hammond Ave          | Hatfields Beach | N/A                                         | L1           | 539                       | Roots          | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14051136 | 29509080 | 4 Hillary Sq            | Orewa           | N/A                                         | L1           | 149                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091643 | 50126220 | 28 Driftwood Dr         | Red Beach       | N/A                                         | L1           | 558                       | Roots          | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14104938 | 50126220 | 28 Driftwood Dr         | Red Beach       | N/A                                         | L1           | 208                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110547 | 50217276 | 21 Sunview St           | Silverdale      | N/A                                         | L1           | 256                       | Silts          | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14117833 | 29510504 | 65 Hibiscus Coast Hwy   | Red Beach       | -                                           | L2           | 177                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 14/03/2018 | 14139189 | 50138248 | 8A Orewa Heights Cres   | Orewa           | N/A                                         | L1           | 559                       | Unknown        | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------------|-----------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 15/03/2018 | 14142380 | 50267146 | 82 Harvest Ave         | Orewa           | N/A                                         | L1           | 618                       | Unknown     | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147456 | 29507753 | 8A Orewa Heights Cres  | Orewa           | N/A                                         | L1           | 542                       | Roots       | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14155392 | 50219029 | Andrew Jack Rd         | Silverdale      | N/A                                         | L1           | 231                       | Unknown     | 2        | No                       | No                 | Yes         |
| 29/03/2018 | 14176937 | 29510181 | Bonair Cres            | Silverdale      | N/A                                         | L1           | 575                       | Rags        | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14177633 | 50195231 | 76 Harris Dr           | Silverdale      | N/A                                         | L1           | 286                       | Broken Pipe | 0        | No                       | No                 | Yes         |
| 31/03/2018 | 14178904 | 29510181 | Bonair Cres            | Silverdale      | -                                           | L3           | 482                       | Fat         | 0        | Yes                      | Yes                | Yes         |
| 16/04/2018 | 14214762 | 29508329 | 7C Centreway Rd        | Orewa           | N/A                                         | L1           | 565                       | Fat         | 1.5      | No                       | No                 | Yes         |
| 26/04/2018 | 14239120 | 29513367 | 12 Driftwood Dr        | Red Beach       | N/A                                         | L1           | 129                       | Fat         | 0        | No                       | No                 | Yes         |
| 28/05/2018 | 14320696 | 50091693 | 201 Hibiscus Coast Hwy | Red Beach       | N/A                                         | L1           | 499                       | Broken Pipe | 1        | No                       | No                 | Yes         |
| 9/06/2018  | 14349714 | 29509561 | 63-85 Parkside Dr      | Orewa           | N/A                                         | L1           | 451                       | Fat         | 0        | No                       | No                 | Yes         |
| 18/06/2018 | 14370434 | 27670314 | 15B Doment Cres        | Orewa           | N/A                                         | L1           | 187                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14373783 | 29505345 | 5 Lancelot Rd          | Orewa           | N/A                                         | L1           | 284                       | Broken Pipe | 1.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14393963 | 50139622 | 29 Ocean View Rd       | Hatfields Beach | N/A                                         | L1           | 564                       | Roots       | 0        | No                       | No                 | Yes         |

**Table 8: Overflows in the Weiti Catchment Area**

| Date       | SR #     | Compkey  | Address              | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 31/07/2017 | 13667665 | 29501851 | 16 Silverdale St     | Silverdale   | N/A                                         | L1           | 538                       | Fat            | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13667776 | 29514012 | 4 Flexman Pl         | Silverdale   | N/A                                         | L1           | 618                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 15/08/2017 | 13696645 | 29502248 | 35A Duck Creek Rd    | Stillwater   | N/A                                         | L1           | 406                       | Broken pipe    | 4.5      | No                       | No                 | Yes         |
| 29/08/2017 | 13721719 | 29502331 | 3 Coastal Hts        | Stillwater   | N/A                                         | L1           | 160                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/09/2017  | 13729210 | 29502330 | 3 Coastal Hts        | Stillwater   | N/A                                         | L1           | 116                       | Fat            | 0        | No                       | No                 | Yes         |
| 4/10/2017  | 13790668 | 29507422 | 7 David Mccathie Pl  | Silverdale   | N/A                                         | L1           | 213                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 29/10/2017 | 13836313 | 29501851 | Flexman Pl           | Silverdale   | N/A                                         | L1           | 100                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 18/12/2017 | 13952477 | 29510618 | 10 Titan Pl          | Silverdale   | N/A                                         | L1           | 411                       | Silts          | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13982210 | 29500652 | 21 Poplar Rd         | Stanmore Bay | N/A                                         | L1           | 83                        | Surcharging    | 17       | No                       | No                 | Yes         |
| 26/03/2018 | 14167811 | 29507422 | 7B David Mccathie Pl | Silverdale   | N/A                                         | L1           | 457                       | Rags           | 0        | No                       | No                 | Yes         |
| 6/04/2018  | 14193487 | 29501867 | 11 Titan Pl          | Silverdale   | -                                           | L2           | 130                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/04/2018 | 14206179 | 29503708 | 15 Titan Pl          | Silverdale   | N/A                                         | L1           | 606                       | Foreign Object | 4        | No                       | No                 | Yes         |
| 19/04/2018 | 14223802 | 29502008 | 14 Titan Pl          | Silverdale   | N/A                                         | L1           | 422                       | Fat            | 0        | No                       | No                 | Yes         |
| 2/05/2018  | 14254623 | 29503708 | 17 Titan Pl          | Silverdale   | -                                           | L3           | 442                       | Fat            | 0        | Yes                      | Yes                | Yes         |
| 26/05/2018 | 14317509 | 29503708 | 15 Titan Pl          | Silverdale   | -                                           | L2           | 147                       | Silts          | 2.49     | No                       | No                 | Yes         |
| 4/06/2018  | 14336251 | 29508057 | 16 Silverdale St     | Silverdale   | N/A                                         | L1           | 225                       | Fat            | 30.41    | No                       | No                 | Yes         |
| 10/06/2018 | 14350428 | 29505012 | 21 Poplar Rd         | Stanmore Bay | N/A                                         | L1           | 719                       | Rags           | 0.5      | No                       | No                 | Yes         |
| 10/06/2018 | 14350492 | 29505012 | 99 Francis St        | Hauraki      | N/A                                         | L1           | 65                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14384054 | 29503708 | 14 Titan Pl          | Silverdale   | -                                           | L2           | 505                       | Rubbish        | 2.5      | No                       | No                 | Yes         |

**Table 9: Overflows in the Whangaparaoa Catchment Area**

| Date       | SR #     | Compkey  | Address              | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|----------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 9/07/2017  | 13626154 | 27673969 | 46 Regency Park Dr   | Hobbs Bay      | N/A                                         | L1           | 68                        | Surcharging | 13.51    | No                       | No                 | Yes         |
| 9/07/2017  | 13626160 | 29514669 | Dacre Grv            | Hobbs Bay      | N/A                                         | L1           | 95                        | Surcharging | 13.51    | No                       | No                 | Yes         |
| 9/07/2017  | 13626191 | 29514995 | 918 Whangaparaoa Rd  | Manly          | N/A                                         | L1           | 154                       | Silts       | 13.51    | No                       | No                 | Yes         |
| 9/07/2017  | 13626228 | 29512142 | 22 Pacific Pde       | Army Bay       | N/A                                         | L1           | 594                       | Surcharging | 13.51    | No                       | No                 | Yes         |
| 9/07/2017  | 13626237 | 50134564 | 9 Sundown Ave        | Manly          | N/A                                         | L1           | 485                       | Silts       | 13.51    | No                       | No                 | Yes         |
| 9/07/2017  | 13626252 | 50125477 | 21 Sundown Ave       | Manly          | N/A                                         | L1           | 529                       | Unknown     | 13.51    | No                       | No                 | Yes         |
| 10/07/2017 | 13628421 | 29501132 | 6 Karepiro Dr        | Stanmore Bay   | N/A                                         | L1           | 154                       | Unknown     | 1.08     | No                       | No                 | Yes         |
| 11/07/2017 | 13629649 | 29514114 | 14 Okoromai Vws      | Okoromai Bay   | N/A                                         | L1           | 310                       | Roots       | 3.24     | No                       | No                 | Yes         |
| 19/07/2017 | 13646692 | 29507279 | 72 Balboa Dr         | Hobbs Bay      | N/A                                         | L1           | 193                       | Roots       | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13668516 | 29515626 | 1089 Whangaparaoa Rd | Matakatia      | N/A                                         | L1           | 165                       | Roots       | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677503 | 29515462 | 47 De Luen Ave       | Tindalls Beach | N/A                                         | L1           | 284                       | Unknown     | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13677926 | 29510323 | 61A William Bayes Pl | Red Beach      | N/A                                         | L1           | 422                       | Roots       | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13678142 | 29509460 | 155 Gulf Harbour Dr  | Hobbs Bay      | 3                                           | L2           | 412                       | Unknown     | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13678161 | 29509460 | 151 Gulf Harbour Dr  | Hobbs Bay      | 3                                           | L2           | 368                       | Unknown     | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678730 | 29502098 | 61A Walton St        | Red Beach      | N/A                                         | L1           | 333                       | Unknown     | 1        | No                       | No                 | Yes         |
| 7/08/2017  | 13680169 | 29503905 | 6 Northview Rd       | Stanmore Bay   | N/A                                         | L1           | 495                       | Roots       | 0        | No                       | No                 | Yes         |
| 18/08/2017 | 13701743 | 29513181 | 6 David Sidwell Pl   | Stanmore Bay   | N/A                                         | L1           | 182                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13705625 | 29500899 | 1 Hiwi Cres          | Stanmore Bay   | N/A                                         | L1           | 415                       | Roots       | 1        | No                       | No                 | Yes         |
| 23/08/2017 | 13710709 | 29505067 | 2/5 Mably Crt        | Stanmore Bay   | N/A                                         | L1           | 594                       | Unknown     | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13711227 | 50243593 | 1 Eastview Cres      | Stanmore Bay   | N/A                                         | L1           | 102                       | Unknown     | 0        | No                       | No                 | Yes         |
| 31/08/2017 | 13724515 | 29504380 | 15 Rushden Tce       | Red Beach      | N/A                                         | L1           | 191                       | Roots       | 8.5      | No                       | No                 | Yes         |
| 1/09/2017  | 13726795 | 29513983 | 21A Red Beach Rd     | Red Beach      | N/A                                         | L1           | 335                       | Unknown     | 0.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/09/2017  | 13727819 | 29513850 | 42 Glenelg Rd        | Red Beach    | N/A                                         | L1           | 262                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 2/09/2017  | 13728684 | 29506746 | 74 Laurence St       | Manly        | N/A                                         | L1           | 228                       | Fat            | 18       | No                       | No                 | Yes         |
| 28/09/2017 | 13779259 | 29515463 | 1089 Whangaparaoa Rd | Matakatia    | N/A                                         | L1           | 143                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 12/10/2017 | 13805853 | 29512935 | 11 Langton Rd        | Stanmore Bay | 1                                           | L2           | 93                        | Fat            | 0        | No                       | No                 | Yes         |
| 13/10/2017 | 13809226 | 29515444 | 99 Whangaparaoa Rd   | Red Beach    | N/A                                         | L1           | 118                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 14/10/2017 | 13809647 | 29504669 | 81 Brian Cres        | Stanmore Bay | N/A                                         | L1           | 252                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 14/10/2017 | 13809782 | 27658276 | 12 Lagoon Vw         | Hobbs Bay    | N/A                                         | L1           | 270                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 17/10/2017 | 13814428 | 29511776 | Karepiro Dr          | Stanmore Bay | N/A                                         | L1           | 335                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13848819 | 29504376 | 1/41 Bay St          | Red Beach    | N/A                                         | L1           | 104                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 9/11/2017  | 13859917 | 29510398 | 59 Bay Vista Dr      | Red Beach    | N/A                                         | L1           | 276                       | Unknown        | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861861 | 29515948 | 99 Waterside Cres    | Hobbs Bay    | N/A                                         | L1           | 246                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/11/2017 | 13874373 | 29502809 | 40B Homestead Rd     | Manly        | 3                                           | L2           | 128                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13882174 | 29502980 | 20 Belle-Mer Pl      | Okoromai Bay | -                                           | L3           | 145                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 20/11/2017 | 13883333 | 29510642 | 53 William Bayes Pl  | Red Beach    | N/A                                         | L1           | 173                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/12/2017  | 13923952 | 29510388 | 27 Chelverton Tce    | Red Beach    | N/A                                         | L1           | 368                       | Unknown        | 0        | No                       | No                 | Yes         |
| 9/12/2017  | 13932159 | 29505126 | 3A Blue Heron Rise   | Stanmore Bay | 1                                           | L2           | 196                       | Unknown        | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13954679 | 29514328 | 22 Siesta Tce        | Army Bay     | N/A                                         | L1           | 155                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/12/2017 | 13970782 | 29510380 | 17 Chelverton Tce    | Red Beach    | 6                                           | L3           | 453                       | Roots          | 0        | Yes                      | Yes                | Yes         |
| 2/01/2018  | 13976031 | 29502546 | 37 Shuttleworth Pl   | Manly        | N/A                                         | L1           | 296                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 3/01/2018  | 13977500 | 29514770 | 1/89 Alec Craig Way  | Hobbs Bay    | N/A                                         | L1           | 519                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13983019 | 29501109 | 38 Palmgreen Crt     | Stanmore Bay | N/A                                         | L1           | 151                       | Silts          | 17       | No                       | No                 | Yes         |
| 6/01/2018  | 13984331 | 29502095 | 57 Walton St         | Red Beach    | N/A                                         | L1           | 249                       | Silts          | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13990843 | 29500873 | 9 Wiriana Pl         | Stanmore Bay | N/A                                         | L1           | 310                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13992567 | 29506412 | 65 Laurence St       | Manly        | N/A                                         | L1           | 571                       | Silts          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 12/01/2018 | 13998937 | 29502690 | 11 Homestead Rd     | Manly        | N/A                                         | L1           | 549                       | Unknown        | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000188 | 29514374 | 66 Pacific Pde      | Army Bay     | N/A                                         | L1           | 129                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14005556 | 29504554 | 58 Duncansby Rd     | Stanmore Bay | N/A                                         | L1           | 130                       | Unknown        | 0        | No                       | No                 | Yes         |
| 19/01/2018 | 14014826 | 29510384 | 19 Chelverton Tce   | Red Beach    | N/A                                         | L1           | 94                        | Unknown        | 8        | No                       | No                 | Yes         |
| 3/02/2018  | 14045895 | 29511907 | 75 Maylee Cres      | Hobbs Bay    | N/A                                         | L1           | 508                       | Rags           | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14053224 | 50138002 | 20 Beach Rd         | Manly        | N/A                                         | L1           | 113                       | Unknown        | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14060230 | 29504731 | 16 John Rd          | Stanmore Bay | N/A                                         | L1           | 168                       | Roots          | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14072341 | 29516512 | 20 Beach Rd         | Manly        | N/A                                         | L1           | 540                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14076369 | 29511907 | 73 Maylee Cres      | Hobbs Bay    | -                                           | L2           | 134                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076982 | 29510291 | 58 Bay Vista Dr     | Red Beach    | N/A                                         | L1           | 313                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14098042 | 50140211 | 58 Bay Vista Dr     | Red Beach    | N/A                                         | L1           | 108                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14099065 | 29502857 | 2 Kestrel Hts       | Arkles Bay   | N/A                                         | L1           | 135                       | Roots          | 0        | No                       | No                 | Yes         |
| 2/03/2018  | 14108294 | 29502857 | 2 Kestrel Hts       | Arkles Bay   | N/A                                         | L1           | 557                       | Roots          | 5        | No                       | No                 | Yes         |
| 5/03/2018  | 14113734 | 29501128 | 650 Whangaparaoa Rd | Stanmore Bay | N/A                                         | L1           | 254                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14116004 | 29501128 | 650 Whangaparaoa Rd | Stanmore Bay | N/A                                         | L1           | 452                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14120323 | 29513984 | 136 Whangaparaoa Rd | Red Beach    | N/A                                         | L1           | 104                       | Broken pipe    | 6        | No                       | No                 | Yes         |
| 10/03/2018 | 14130163 | 29515494 | 111 Roberts Rd      | Matakatia    | N/A                                         | L1           | 235                       | Roots          | 0        | No                       | No                 | Yes         |
| 13/03/2018 | 14137114 | 29514244 | 7 Dacre Grv         | Hobbs Bay    | N/A                                         | L1           | 296                       | Roots          | 1        | No                       | No                 | Yes         |
| 17/03/2018 | 14146714 | 29515925 | 98 Pinecrest Dr     | Hobbs Bay    | -                                           | L2           | 431                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14169478 | 29500625 | 3/22 Brian Cres     | Stanmore Bay | N/A                                         | L1           | 81                        | Unknown        | 0        | No                       | No                 | Yes         |
| 31/03/2018 | 14178753 | 29515677 | 8 Astrolabe Pl      | Hobbs Bay    | N/A                                         | L1           | 185                       | Fat            | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14185148 | 29514162 | Shakespear Rd       | Okoromai Bay | N/A                                         | L1           | 425                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 10/04/2018 | 14201252 | 27672915 | 12 Marie Ave        | Red Beach    | N/A                                         | L1           | 139                       | Surcharging    | 8.5      | No                       | No                 | Yes         |
| 16/04/2018 | 14214654 | 29516980 | 63 Kestrel Hts      | Arkles Bay   | N/A                                         | L1           | 160                       | Unknown        | 1.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb         | Ammonia result 100m down stream | DWO Level | Duration in minutes | Cause       | Rainfall | Public Health Risk | Ecological Risk | Containment |
|------------|----------|----------|-----------------------|----------------|---------------------------------|-----------|---------------------|-------------|----------|--------------------|-----------------|-------------|
| 19/04/2018 | 14224341 | 29501921 | 30 Vista Motu         | Red Beach      | N/A                             | L1        | 531                 | Rags        | 0        | No                 | No              | Yes         |
| 22/04/2018 | 14230445 | 29501243 | 2 Matai Rd            | Stanmore Bay   | N/A                             | L1        | 598                 | Fat         | 0.5      | No                 | No              | Yes         |
| 29/04/2018 | 14246438 | 29515027 | 9A Sundown Ave        | Manly          | N/A                             | L1        | 282                 | Fat         | 0.5      | No                 | No              | Yes         |
| 1/05/2018  | 14251692 | 29515947 | 111 Waterside Cres    | Hobbs Bay      | N/A                             | L1        | 465                 | Roots       | 0        | No                 | No              | Yes         |
| 3/05/2018  | 14258729 | 50128225 | 11B Ladies Mile       | Manly          | N/A                             | L1        | 262                 | Broken pipe | 0        | No                 | No              | Yes         |
| 6/05/2018  | 14263240 | 50128225 | 11B Ladies Mile       | Manly          | N/A                             | L1        | 242                 | Broken pipe | 3.5      | No                 | No              | Yes         |
| 9/05/2018  | 14272878 | 29514336 | 1278B Whangaparaoa Rd | Army Bay       | N/A                             | L1        | 191                 | Roots       | 0        | No                 | No              | Yes         |
| 12/05/2018 | 14280391 | 29506669 | 18 Ladies Mile        | Manly          | N/A                             | L1        | 449                 | Fat         | 9.5      | No                 | No              | Yes         |
| 13/05/2018 | 14281607 | 29512155 | 29 D'Urville Pl       | Hobbs Bay      | N/A                             | L1        | 552                 | Fat         | 16       | No                 | No              | Yes         |
| 15/05/2018 | 14286019 | 29516401 | 26 Parkwood Cres      | Hobbs Bay      | N/A                             | L1        | 166                 | Roots       | 0        | No                 | No              | Yes         |
| 20/05/2018 | 14300357 | 29516003 | 46 Regency Park Dr    | Hobbs Bay      | 3                               | L2        | 403                 | Roots       | 4.98     | No                 | No              | Yes         |
| 28/05/2018 | 14321704 | 27673847 | 180 Gulf Harbour Dr   | Hobbs Bay      | N/A                             | L1        | 260                 | Broken pipe | 1        | No                 | No              | Yes         |
| 4/06/2018  | 14335895 | 29514337 | 1277 Whangaparaoa Rd  | Army Bay       | -                               | L2        | 246                 | Roots       | 30.41    | No                 | No              | Yes         |
| 4/06/2018  | 14335963 | 29514995 | 918 Whangaparaoa Rd   | Manly          | N/A                             | L1        | 174                 | Fat         | 30.41    | No                 | No              | Yes         |
| 5/06/2018  | 14338718 | 29514339 | 1278A Whangaparaoa Rd | Army Bay       | N/A                             | L1        | 618                 | Surcharging | 4.49     | No                 | No              | Yes         |
| 7/06/2018  | 14345523 | 27658235 | 66 Tindalls Bay Rd    | Tindalls Beach | N/A                             | L1        | 115                 | Unknown     | 1        | No                 | No              | Yes         |
| 13/06/2018 | 14357916 | 29501083 | 37 Totara Rd          | Stanmore Bay   | N/A                             | L1        | 151                 | Roots       | 2        | No                 | No              | Yes         |
| 18/06/2018 | 14370165 | 29515671 | 4 Astrolabe Pl        | Hobbs Bay      | N/A                             | L1        | 224                 | Roots       | 1.5      | No                 | No              | Yes         |
| 27/06/2018 | 14395412 | 29501921 | 30 Vista Motu         | Red Beach      | N/A                             | L1        | 230                 | Fat         | 0        | No                 | No              | Yes         |



**Table 10: Overflows in the Long Bay Catchment Area**

| Date       | SR #     | Compkey  | Address           | Suburb   | Ammonia<br>result 100m<br>down<br>stream | DWO<br>Level | Duration<br>in minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|----------|------------------------------------------|--------------|------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 22/07/2017 | 13652339 | 28533696 | 1/3 Willis St     | Torbay   | N/A                                      | L1           | 574                    | Unknown        | 16.5     | No                       | No                 | Yes         |
| 4/08/2017  | 13677625 | 28517831 | 5 Emlyn Pl        | Torbay   | N/A                                      | L1           | 200                    | Roots          | 0        | No                       | No                 | Yes         |
| 29/08/2017 | 13721343 | 28531081 | 54 Danbury Dr     | Torbay   | N/A                                      | L1           | 230                    | Roots          | 0.49     | No                       | No                 | Yes         |
| 31/08/2017 | 13724697 | 16032904 | 54 Danbury Dr     | Torbay   | N/A                                      | L1           | 103                    | Roots          | 0.49     | No                       | No                 | Yes         |
| 1/09/2017  | 13727465 | 28531080 | 56 Danbury Dr     | Torbay   | N/A                                      | L1           | 180                    | Broken Pipe    | 0.49     | No                       | No                 | Yes         |
| 6/09/2017  | 13737099 | 28533769 | 1015A Beach Rd    | Torbay   | N/A                                      | L1           | 369                    | Roots          | 17.15    | No                       | No                 | Yes         |
| 10/10/2017 | 13802153 | 16233308 | 63 Awaruku Rd     | Torbay   | N/A                                      | L1           | 158                    | Roots          | 2.5      | No                       | No                 | Yes         |
| 21/10/2017 | 13823098 | 28537032 | 26B Manuwai Rd    | Torbay   | -                                        | L2           | 528                    | Roots          | 0.5      | No                       | No                 | Yes         |
| 1/11/2017  | 13843596 | 16234592 | 26A Manuwai Rd    | Torbay   | N/A                                      | L1           | 615                    | Roots          | 0        | No                       | No                 | Yes         |
| 6/11/2017  | 13852875 | 28533696 | 3 Willis St       | Torbay   | N/A                                      | L1           | 375                    | Unknown        | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863342 | 28537032 | 26A Manuwai Rd    | Torbay   | N/A                                      | L1           | 164                    | Unknown        | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13870627 | 16245006 | 50 County Rd      | Torbay   | N/A                                      | L1           | 420                    | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 7/12/2017  | 13928039 | 16234150 | 2/2 Danbury Dr    | Torbay   | N/A                                      | L1           | 102                    | Roots          | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13946071 | 28531062 | 27 Lingham Cres   | Torbay   | N/A                                      | L1           | 197                    | Roots          | 0.5      | No                       | No                 | Yes         |
| 24/12/2017 | 13966880 | 28517817 | 7 Dee Pl          | Torbay   | N/A                                      | L1           | 249                    | Roots          | 0        | No                       | No                 | Yes         |
| 7/01/2018  | 13984523 | 28531064 | 24 Lingham Cres   | Torbay   | N/A                                      | L1           | 407                    | Roots          | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13986529 | 28522862 | 16 Valerie Cres   | Okura    | N/A                                      | L1           | 553                    | Unknown        | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14043729 | 28533779 | 12 Long Bay Dr    | Torbay   | -                                        | L2           | 173                    | Surcharging    | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14051370 | 50195411 | 19 Headland Dr    | Long Bay | N/A                                      | L1           | 424                    | Fat            | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064586 | 16033429 | 26A Manuwai Rd    | Torbay   | N/A                                      | L1           | 156                    | Foreign Object | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14083193 | 28533772 | 26 Long Bay Dr    | Torbay   | N/A                                      | L1           | 101                    | Roots          | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146990 | 28532532 | 16 Okura River Rd | Okura    | N/A                                      | L1           | 107                    | Fat            | 0.5      | No                       | No                 | Yes         |
| 23/05/2018 | 14310049 | 50195412 | 42 Headland Dr    | Long Bay | N/A                                      | L1           | 636                    | Fat            | 38.77    | No                       | No                 | Yes         |
| 3/06/2018  | 14335184 | 16032942 | 79A Stredwick Dr  | Torbay   | N/A                                      | L1           | 345                    | Surcharging    | 52.86    | No                       | No                 | Yes         |

**Table 11: Overflows in the East Coast Bays Catchment Area**

| Date       | SR #     | Compkey  | Address             | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 3/07/2017  | 13614405 | 28521426 | 1/356 Beach Rd      | Mairangi Bay  | N/A                                         | L1           | 519                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/07/2017  | 13621520 | 28527185 | 33 Sylvan Park Ave  | Milford       | N/A                                         | L1           | 209                       | Rubbish        | 25.5     | No                       | No                 | Yes         |
| 8/07/2017  | 13625792 | 28511498 | 12 Braemar Rd       | Castor Bay    | 3                                           | L2           | 219                       | Roots          | 6.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625750 | 28510166 | 16 Tonkin Dr        | Sunnynook     | N/A                                         | L1           | 406                       | Fat            | 6.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625791 | 16035659 | 6 Celina Pl         | Browns Bay    | -                                           | L2           | 508                       | Unknown        | 6.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625726 | 16202199 | 9 Inga Rd           | Milford       | N/A                                         | L1           | 511                       | Broken Pipe    | 6.5      | No                       | No                 | Yes         |
| 10/07/2017 | 13627405 | 28514976 | 29 Weetman Dr       | Browns Bay    | N/A                                         | L1           | 129                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 11/07/2017 | 13629856 | 28531649 | 6 Celina Pl         | Browns Bay    | N/A                                         | L1           | 234                       | Roots          | 6        | No                       | No                 | Yes         |
| 14/07/2017 | 13636782 | 16056800 | 57 Rock Isle Rd     | Torbay        | N/A                                         | L1           | 73                        | Surcharging    | 2        | No                       | No                 | Yes         |
| 15/07/2017 | 13638421 | 16256111 | 14 Park Rise        | Campbells Bay | N/A                                         | L1           | 167                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13638947 | 16256111 | 14 Park Rise        | Campbells Bay | N/A                                         | L1           | 125                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13638983 | 28511901 | 19A Waterloo Rd     | Milford       | 4                                           | L2           | 494                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641483 | 28525546 | 47 Totaravale Dr    | Totara Vale   | N/A                                         | L1           | 110                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13645961 | 28527294 | 4/26 Kitchener Rd   | Takapuna      | N/A                                         | L1           | 529                       | Roots          | 1        | No                       | No                 | Yes         |
| 20/07/2017 | 13649112 | 28514092 | 1/12 Shakespeare Rd | Milford       | N/A                                         | L1           | 111                       | Fat            | 24       | No                       | No                 | Yes         |
| 20/07/2017 | 13647599 | 28512496 | 2/2 Gordon Ave      | Milford       | N/A                                         | L1           | 143                       | Foreign Object | 24       | No                       | No                 | Yes         |
| 22/07/2017 | 13652589 | 28534468 | 1/29 Orchard Rd     | Browns Bay    | N/A                                         | L1           | 91                        | Fat            | 16.5     | No                       | No                 | Yes         |
| 22/07/2017 | 13652316 | 16020447 | 1/8 Kennedy Ave     | Forrest Hill  | N/A                                         | L1           | 603                       | Unknown        | 16.5     | No                       | No                 | Yes         |
| 23/07/2017 | 13652942 | 28533880 | 107 Deep Creek Rd   | Torbay        | N/A                                         | L1           | 172                       | Unknown        | 4.5      | No                       | No                 | Yes         |
| 23/07/2017 | 13652737 | 28527199 | 23 Kitchener Rd     | Takapuna      | N/A                                         | L1           | 135                       | Broken pipe    | 4.5      | No                       | No                 | Yes         |
| 23/07/2017 | 13652923 | 28527284 | 26 Muritai Rd       | Milford       | N/A                                         | L1           | 277                       | Roots          | 4.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13662389 | 28530600 | 26 Muritai Rd       | Milford       | N/A                                         | L1           | 105                       | Roots          | 8        | No                       | No                 | Yes         |
| 29/07/2017 | 13665349 | 28522011 | 14A Montrose Tce    | Mairangi Bay  | N/A                                         | L1           | 481                       | Fat            | 0        | No                       | No                 | Yes         |
| 29/07/2017 | 13665226 | 28532963 | 2/20 Seaview Rd     | Castor Bay    | 6                                           | L3           | 494                       | Silts          | 0        | Yes                      | Yes                | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 29/07/2017 | 13665350 | 28527199 | 23 Kitchener Rd      | Takapuna      | N/A                                         | L1           | 444                       | Foreign Object | 0        | Yes                      | Yes                | Yes         |
| 31/07/2017 | 13666714 | 28520873 | 239 Forrest Hill Rd  | Forrest Hill  | N/A                                         | L1           | 120                       | Roots          | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13672680 | 28507451 | 26 Fenwick Ave       | Milford       | N/A                                         | L1           | 146                       | Roots          | 10.5     | No                       | No                 | Yes         |
| 5/08/2017  | 13677905 | 28520392 | 1 Bournemouth Tce    | Murrays Bay   | N/A                                         | L1           | 186                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13677943 | 28527199 | 31 Kitchener Rd      | Takapuna      | N/A                                         | L1           | 383                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678490 | 28535490 | 52 Cliff Rd          | Torbay        | N/A                                         | L1           | 157                       | Roots          | 1        | No                       | No                 | Yes         |
| 7/08/2017  | 13680613 | 28508906 | 1/232 Archers Rd     | Wairau Valley | N/A                                         | L1           | 80                        | Unknown        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13681047 | 28533551 | 15 Wylie Ave         | Sunnynook     | N/A                                         | L1           | 95                        | Unknown        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13679830 | 28522127 | 252 Beach Rd         | Campbells Bay | 6                                           | L3           | 255                       | Broken pipe    | 0        | Yes                      | Yes                | Yes         |
| 7/08/2017  | 13681118 | 28519575 | 38 Helvetia Dr       | Browns Bay    | N/A                                         | L1           | 132                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/08/2017  | 13682757 | 16204814 | 1/8 Tobruk Cres      | Milford       | N/A                                         | L1           | 186                       | Broken pipe    | 4.9      | No                       | No                 | Yes         |
| 9/08/2017  | 13684666 | 28520678 | 1/8 Kennedy Ave      | Forrest Hill  | N/A                                         | L1           | 462                       | Roots          | 17.63    | No                       | No                 | Yes         |
| 10/08/2017 | 13687833 | 28531149 | 10 Foley Pl          | Torbay        | N/A                                         | L1           | 142                       | Roots          | 4.9      | No                       | No                 | Yes         |
| 10/08/2017 | 13687448 | 28502695 | 21 Northcote Rd      | Wairau Valley | N/A                                         | L1           | 213                       | Unknown        | 4.9      | No                       | No                 | Yes         |
| 11/08/2017 | 13688613 | 28520711 | 1/26 Becroft Dr      | Forrest Hill  | 1                                           | L2           | 262                       | Roots          | 3.43     | No                       | No                 | Yes         |
| 11/08/2017 | 13690054 | 28522319 | 1/99 Oaktree Ave     | Browns Bay    | N/A                                         | L1           | 197                       | Fat            | 3.43     | No                       | No                 | Yes         |
| 14/08/2017 | 13693816 | 28513375 | 1/18 Halberg St      | Glenfield     | -                                           | L2           | 88                        | Foreign Object | 3.92     | No                       | No                 | Yes         |
| 14/08/2017 | 13692799 | 16020481 | 2/26 Becroft Dr      | Forrest Hill  | N/A                                         | L1           | 43                        | Unknown        | 3.92     | No                       | No                 | Yes         |
| 15/08/2017 | 13696207 | 28518600 | 120- Sunnynook Rd    | Sunnynook     | N/A                                         | L1           | 247                       | Fat            | 0.49     | No                       | No                 | Yes         |
| 16/08/2017 | 13698767 | 28522627 | 8 Huntly Rd          | Campbells Bay | N/A                                         | L1           | 400                       | Unknown        | 0        | No                       | No                 | Yes         |
| 19/08/2017 | 13703741 | 28514024 | 2 Commodore Parry Rd | Castor Bay    | N/A                                         | L1           | 381                       | Roots          | 4.9      | No                       | No                 | Yes         |
| 19/08/2017 | 13703789 | 28521789 | 20 Penzance Rd       | Mairangi Bay  | -                                           | L2           | 390                       | Fat            | 4.9      | No                       | No                 | Yes         |
| 19/08/2017 | 13703724 | 16036262 | 21 Garadice Rd       | Rothsay Bay   | -                                           | L2           | 415                       | Roots          | 4.9      | No                       | No                 | Yes         |
| 19/08/2017 | 13703827 | 28522545 | 60 Peter Tce         | Castor Bay    | N/A                                         | L1           | 473                       | Foreign Object | 4.9      | No                       | No                 | Yes         |
| 20/08/2017 | 13704264 | 28521236 | 1/35 Forrest Hill Rd | Milford       | N/A                                         | L1           | 493                       | Unknown        | 4.41     | No                       | No                 | Yes         |
| 20/08/2017 | 13704334 | 28520199 | 33 Garadice Rd       | Rothsay Bay   | N/A                                         | L1           | 608                       | Unknown        | 4.41     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 20/08/2017 | 13704496 | 28520793 | 85 Bond Cres       | Forrest Hill  | 2                                           | L2           | 208                       | Unknown     | 4.41     | No                       | No                 | Yes         |
| 21/08/2017 | 13706776 | 28522518 | 1/60 Aberdeen Rd   | Campbells Bay | N/A                                         | L1           | 375                       | Unknown     | 0        | No                       | No                 | Yes         |
| 21/08/2017 | 13705624 | 28510129 | 11 Datura Pl       | Sunnynook     | N/A                                         | L1           | 134                       | Fat         | 0        | No                       | No                 | Yes         |
| 21/08/2017 | 13707035 | 28514912 | 688 East Coast Rd  | Pinehill      | N/A                                         | L1           | 233                       | Unknown     | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13710127 | 28514087 | 1/43 Wolsley Ave   | Milford       | N/A                                         | L1           | 138                       | Fat         | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715086 | 10317531 | 26 Muritai Rd      | Milford       | N/A                                         | L1           | 535                       | Roots       | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13718612 | 28510013 | 12 Heather Pl      | Sunnynook     | N/A                                         | L1           | 587                       | Unknown     | 11.76    | No                       | No                 | Yes         |
| 28/08/2017 | 13719185 | 28503313 | 86- Diana Dr       | Wairau Valley | N/A                                         | L1           | 177                       | Fat         | 11.76    | No                       | No                 | Yes         |
| 29/08/2017 | 13720083 | 28531634 | 3 Walnut Lane      | Browns Bay    | N/A                                         | L1           | 129                       | Unknown     | 0.49     | No                       | No                 | Yes         |
| 30/08/2017 | 13722868 | 28536038 | 1/3 Oaktree Ave    | Browns Bay    | N/A                                         | L1           | 140                       | Fat         | 29.88    | No                       | No                 | Yes         |
| 30/08/2017 | 13722754 | 28533576 | 2/5 Woodstock Rd   | Forrest Hill  | N/A                                         | L1           | 520                       | Surcharging | 29.88    | No                       | No                 | Yes         |
| 30/08/2017 | 13723259 | 28510072 | Tonkin Dr          | Sunnynook     | N/A                                         | L1           | 458                       | Fat         | 29.88    | No                       | No                 | Yes         |
| 31/08/2017 | 13724655 | 28531634 | 3 Walnut Lane      | Browns Bay    | N/A                                         | L1           | 463                       | Fat         | 0.49     | No                       | No                 | Yes         |
| 1/09/2017  | 13726678 | 28522606 | 208 Beach Rd       | Campbells Bay | N/A                                         | L1           | 123                       | Fat         | 0.49     | No                       | No                 | Yes         |
| 1/09/2017  | 13727055 | 28513499 | 22 Ashfield Rd     | Wairau Valley | N/A                                         | L1           | 357                       | Unknown     | 0.49     | No                       | No                 | Yes         |
| 1/09/2017  | 13726653 | 28513499 | 9 Normanton St     | Glenfield     | N/A                                         | L1           | 166                       | Fat         | 0.49     | No                       | No                 | Yes         |
| 2/09/2017  | 13728877 | 28510129 | 11 Datura Pl       | Sunnynook     | N/A                                         | L1           | 101                       | Roots       | 17.64    | No                       | No                 | Yes         |
| 7/09/2017  | 13737821 | 28512870 | 1/50 Ellice Rd     | Wairau Valley | 0                                           | L2           | 385                       | Rubbish     | 3.92     | No                       | No                 | Yes         |
| 8/09/2017  | 13740088 | 28521259 | 19 Nile Rd         | Milford       | 0.25                                        | L1           | 126                       | Unknown     | 2.45     | No                       | No                 | Yes         |
| 8/09/2017  | 13741200 | 28510166 | 2/16 Tonkin Dr     | Sunnynook     | N/A                                         | L1           | 210                       | Unknown     | 2.45     | No                       | No                 | Yes         |
| 9/09/2017  | 13741972 | 28503390 | 1/157 Chivalry Rd  | Glenfield     | N/A                                         | L1           | 140                       | Fat         | 5.88     | No                       | No                 | Yes         |
| 12/09/2017 | 13746077 | 28533061 | 56 Saddleback Rise | Murrays Bay   | N/A                                         | L1           | 84                        | Roots       | 1.96     | No                       | No                 | Yes         |
| 14/09/2017 | 13752823 | 28516129 | 3 Greendale Spur   | Glenfield     | N/A                                         | L1           | 330                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13755683 | 28533452 | 1/14 Morton Ave    | Forrest Hill  | N/A                                         | L1           | 403                       | Unknown     | 4.41     | No                       | No                 | Yes         |
| 15/09/2017 | 13754554 | 28533534 | 2/62 Sunnynook Rd  | Sunnynook     | N/A                                         | L1           | 215                       | Fat         | 4.41     | No                       | No                 | Yes         |
| 15/09/2017 | 13755794 | 28520767 | 8 Altona Rd        | Forrest Hill  | N/A                                         | L1           | 117                       | Broken pipe | 4.41     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 19/09/2017 | 13761500 | 28503364 | 1/36 Halberg St     | Glenfield     | N/A                                         | L1           | 9                         | Fat            | 8.33     | No                       | No                 | Yes         |
| 21/09/2017 | 13765399 | 28521855 | 1/14 Morton Ave     | Forrest Hill  | N/A                                         | L1           | 194                       | Unknown        | 9.36     | No                       | No                 | Yes         |
| 21/09/2017 | 13767000 | 28521234 | 41A Forrest Hill Rd | Milford       | N/A                                         | L1           | 91                        | Foreign Object | 9.36     | No                       | No                 | Yes         |
| 23/09/2017 | 13769981 | 28536063 | 10A Phillipa Pl     | Browns Bay    | N/A                                         | L1           | 464                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/09/2017 | 13769874 | 28514260 | 15 Manurere Ave     | Takapuna      | N/A                                         | L1           | 74                        | Unknown        | 0        | No                       | No                 | Yes         |
| 23/09/2017 | 13769806 | 28536237 | 164 Browns Bay Rd   | Murrays Bay   | N/A                                         | L1           | 336                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772354 | 16036060 | 2/95 Oaktree Ave    | Browns Bay    | N/A                                         | L1           | 302                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772052 | 16020817 | 8 Altona Rd         | Forrest Hill  | N/A                                         | L1           | 39                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13781857 | 28525670 | 26 Lake View Rd     | Takapuna      | N/A                                         | L1           | 411                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 30/09/2017 | 13783339 | 28521855 | 1/14 Morton Ave     | Forrest Hill  | N/A                                         | L1           | 528                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 2/10/2017  | 13785046 | 28533578 | 9 Woodstock Rd      | Forrest Hill  | 1                                           | L2           | 393                       | Fat            | 8        | No                       | No                 | Yes         |
| 4/10/2017  | 13789974 | 28520122 | 2 Kegworth Pl       | Browns Bay    | N/A                                         | L1           | 149                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13790228 | 28525670 | 26 Lake View Rd     | Takapuna      | N/A                                         | L1           | 492                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 5/10/2017  | 13792197 | 16236684 | 1/124 Churchill Rd  | Rothsay Bay   | N/A                                         | L1           | 518                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13793578 | 28511925 | 19A Waterloo Rd     | Milford       | N/A                                         | L1           | 224                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13791838 | 28522005 | 27 Bournemouth Tce  | Murrays Bay   | N/A                                         | L1           | 361                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13792279 | 28500887 | 6 Rae Rd            | Campbells Bay | N/A                                         | L1           | 153                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13795136 | 28525982 | 27 Bournemouth Tce  | Murrays Bay   | N/A                                         | L1           | 217                       | Roots          | 1        | No                       | No                 | Yes         |
| 6/10/2017  | 13794420 | 28531406 | 52 Stapleford Cres  | Browns Bay    | N/A                                         | L1           | 209                       | Roots          | 1        | No                       | No                 | Yes         |
| 7/10/2017  | 13796139 | 28524750 | 11 Holiday Rd       | Milford       | N/A                                         | L1           | 130                       | Roots          | 7.5      | No                       | No                 | Yes         |
| 7/10/2017  | 13796275 | 28520197 | 18A Beulah Ave      | Rothsay Bay   | N/A                                         | L1           | 422                       | Foreign Object | 7.5      | No                       | No                 | Yes         |
| 8/10/2017  | 13796907 | 28512416 | 2/46 Sunnynook Rd   | Sunnynook     | N/A                                         | L1           | 156                       | Roots          | 18.5     | No                       | No                 | Yes         |
| 9/10/2017  | 13799514 | 16035925 | 77 Oaktree Ave      | Browns Bay    | N/A                                         | L1           | 273                       | Roots          | 10       | No                       | No                 | Yes         |
| 10/10/2017 | 13801559 | 28533077 | 22 Saddleback Rise  | Murrays Bay   | N/A                                         | L1           | 157                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 10/10/2017 | 13800198 | 28530712 | 59 Langana Ave      | Browns Bay    | N/A                                         | L1           | 252                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 10/10/2017 | 13802076 | 28531566 | 77 Oaktree Ave      | Browns Bay    | N/A                                         | L1           | 182                       | Roots          | 2.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 10/10/2017 | 13800319 | 28533578 | 9 Woodstock Rd       | Forrest Hill | N/A                                         | L2           | 400                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 12/10/2017 | 13805896 | 28525485 | 190 Sunnynook Rd     | Totara Vale  | N/A                                         | L1           | 451                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 12/10/2017 | 13806574 | 16056698 | 31 Auld St           | Torbay       | N/A                                         | L1           | 175                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 15/10/2017 | 13810314 | 28521802 | 2/147 Kowhai Rd      | Mairangi Bay | N/A                                         | L1           | 529                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 16/10/2017 | 13812072 | 28505838 | 9H View Rd           | Glenfield    | N/A                                         | L1           | 441                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/10/2017 | 13815167 | 28514272 | 35 Manurere Ave      | Takapuna     | N/A                                         | L1           | 142                       | Roots          | 1        | No                       | No                 | Yes         |
| 18/10/2017 | 13817339 | 28511674 | 11 Dallinghoe Cres   | Milford      | N/A                                         | L1           | 182                       | Unknown        | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13820991 | 16250202 | 1/1 Varlene Tce      | Forrest Hill | N/A                                         | L1           | 303                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 20/10/2017 | 13821066 | 28514916 | 1/25 Palliser Lane   | Browns Bay   | N/A                                         | L1           | 157                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 20/10/2017 | 13822341 | 28521234 | 41A Forrest Hill Rd  | Milford      | N/A                                         | L1           | 254                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 22/10/2017 | 13823925 | 28533578 | 2/5 Woodstock Rd     | Forrest Hill | N/A                                         | L1           | 78                        | Unknown        | 1        | No                       | No                 | Yes         |
| 22/10/2017 | 13823923 | 28533578 | 9 Woodstock Rd       | Forrest Hill | N/A                                         | L1           | 346                       | Fat            | 1        | No                       | No                 | Yes         |
| 23/10/2017 | 13824460 | 28533578 | 2/5 Woodstock Rd     | Forrest Hill | N/A                                         | L1           | 221                       | Unknown        | 4        | No                       | No                 | Yes         |
| 24/10/2017 | 13825979 | 28520203 | 1/3 Garadice Rd      | Rothsay Bay  | N/A                                         | L1           | 373                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13827518 | 28533414 | 3/322 East Coast Rd  | Sunnynook    | N/A                                         | L1           | 341                       | Foreign Object | 2.5      | No                       | No                 | Yes         |
| 26/10/2017 | 13831755 | 28521282 | 2/185 Shakespeare Rd | Milford      | N/A                                         | L1           | 508                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/10/2017 | 13831630 | 28514978 | 21 Weetman Dr        | Browns Bay   | N/A                                         | L1           | 483                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/10/2017 | 13835710 | 28537593 | 707 Beach Rd         | Browns Bay   | N/A                                         | L1           | 547                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 31/10/2017 | 13840752 | 16226253 | 27 Killarney St      | Takapuna     | N/A                                         | L1           | 585                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/10/2017 | 13841440 | 28513887 | 55 Hatherlow St      | Glenfield    | N/A                                         | L1           | 359                       | Unknown        | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13847565 | 28507050 | 1/26 Nile Rd         | Milford      | 0                                           | L2           | 45                        | Rubbish        | 1        | No                       | No                 | Yes         |
| 3/11/2017  | 13848843 | 28531616 | 2/14 Hollyhock Pl    | Browns Bay   | N/A                                         | L1           | 279                       | Unknown        | 2        | No                       | No                 | Yes         |
| 5/11/2017  | 13851438 | 28536902 | 20 Wisteria Way      | Mairangi Bay | N/A                                         | L1           | 4                         | Fat            | 0        | Yes                      | Yes                | Yes         |
| 6/11/2017  | 13853293 | 28524618 | 8 The Esplanade      | Castor Bay   | N/A                                         | L1           | 432                       | Roots          | 0        | No                       | No                 | Yes         |
| 7/11/2017  | 13855029 | 28513318 | 2/26 Merton Ave      | Glenfield    | N/A                                         | L1           | 404                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13859243 | 28513314 | 21 Merton Ave        | Glenfield    | N/A                                         | L1           | 259                       | Unknown        | 15.5     | No                       | No                 | Yes         |

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|------------|----------|----------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 9/11/2017  | 13861124 | 28519391 | 6 Crown Hill Cl      | Forrest Hill  | N/A                                         | L1           | 310                       | Roots       | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13860886 | 28511461 | 8 Kenmure Ave        | Forrest Hill  | N/A                                         | L1           | 165                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861757 | 28511461 | 8 Kenmure Ave        | Forrest Hill  | N/A                                         | L1           | 202                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863401 | 28520122 | 2 Kegworth Pl        | Browns Bay    | N/A                                         | L1           | 227                       | Roots       | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13864000 | 28533577 | 1/64 Blakeborough Dr | Forrest Hill  | N/A                                         | L1           | 311                       | Unknown     | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13863951 | 28510168 | 6 Salamanca Rd       | Sunnynook     | N/A                                         | L1           | 247                       | Roots       | 0        | No                       | No                 | Yes         |
| 13/11/2017 | 13866653 | 28524621 | 1A The Esplanade     | Castor Bay    | N/A                                         | L1           | 136                       | Unknown     | 0        | No                       | No                 | Yes         |
| 13/11/2017 | 13865170 | 28519868 | 2/158 Glamorgan Dr   | Torbay        | N/A                                         | L1           | 4                         | Roots       | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13871730 | 28537769 | 22 Wyoming Ave       | Murrays Bay   | N/A                                         | L1           | 288                       | Fat         | 0.5      | No                       | No                 | Yes         |
| 15/11/2017 | 13871581 | 28520794 | 6 Altona Rd          | Forrest Hill  | N/A                                         | L1           | 466                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 16/11/2017 | 13874199 | 28502935 | 1/4 Glenvale Pl      | Totara Vale   | N/A                                         | L1           | 233                       | Unknown     | 5        | No                       | No                 | Yes         |
| 16/11/2017 | 13873114 | 28533488 | 13 Woodstock Rd      | Forrest Hill  | N/A                                         | L1           | 172                       | Roots       | 5        | No                       | No                 | Yes         |
| 16/11/2017 | 13873150 | 28530762 | 57 John Downs Dr     | Browns Bay    | N/A                                         | L1           | 145                       | Roots       | 5        | No                       | No                 | Yes         |
| 17/11/2017 | 13877451 | 28524637 | 7 Rahopara St        | Castor Bay    | N/A                                         | L1           | 101                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 20/11/2017 | 13881551 | 28533576 | 2/64 Blakeborough Dr | Forrest Hill  | -                                           | L2           | 242                       | Unknown     | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13881673 | 28520767 | 6 Altona Rd          | Forrest Hill  | N/A                                         | L1           | 176                       | Roots       | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13888444 | 28520795 | 79 Bond Cres         | Forrest Hill  | N/A                                         | L1           | 33                        | Unknown     | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13893336 | 16040109 | 10 Galaxy Dr         | Mairangi Bay  | N/A                                         | L1           | 198                       | Roots       | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896051 | 28514147 | 1/26 Penning Rd      | Castor Bay    | N/A                                         | L1           | 603                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13894642 | 28514183 | 1/28 Wolsley Ave     | Milford       | N/A                                         | L1           | 348                       | Unknown     | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896802 | 28508795 | 95 Bruce Rd          | Glenfield     | N/A                                         | L1           | 444                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897219 | 28522518 | 1/60 Aberdeen Rd     | Campbells Bay | -                                           | L2           | 501                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897576 | 28513868 | 2/75A Bruce Rd       | Glenfield     | N/A                                         | L1           | 243                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897360 | 28521265 | 39 Nile Rd           | Milford       | N/A                                         | L1           | 639                       | Roots       | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897282 | 28524635 | 6 The Esplanade      | Castor Bay    | N/A                                         | L2           | 617                       | Unknown     | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13906931 | 28513868 | 2/75A Bruce Rd       | Glenfield     | N/A                                         | L1           | 82                        | Broken pipe | 12.5     | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 30/11/2017 | 13910400 | 28515972 | 2/87 Velma Rd       | Hillcrest     | N/A                                         | L1           | 415                       | Roots            | 3        | No                       | No                 | Yes         |
| 30/11/2017 | 13910979 | 16234902 | 3/18 Knights Rd     | Rothsay Bay   | N/A                                         | L1           | 154                       | Roots            | 3        | No                       | No                 | Yes         |
| 3/12/2017  | 13916483 | 28520942 | 6 Crown Hill Cl     | Forrest Hill  | N/A                                         | L1           | 77                        | Roots            | 0.5      | No                       | No                 | Yes         |
| 4/12/2017  | 13919125 | 28503483 | 4/75 Ellice Rd      | Wairau Valley | N/A                                         | L1           | 245                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 7/12/2017  | 13926914 | 28501758 | 24 Kitchener Rd     | Takapuna      | N/A                                         | L1           | 234                       | Roots            | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13939939 | 28533932 | 13 Killarney Ave    | Torbay        | N/A                                         | L1           | 157                       | Unknown          | 3        | No                       | No                 | Yes         |
| 16/12/2017 | 13949701 | 28521787 | 2/10 Matipo Rd      | Mairangi Bay  | N/A                                         | L1           | 6                         | Fat              | 0        | No                       | No                 | Yes         |
| 16/12/2017 | 13949271 | 28531601 | 9 Mistletoe Pl      | Browns Bay    | 0.5                                         | L3           | 457                       | Roots            | 0        | Yes                      | Yes                | Yes         |
| 17/12/2017 | 13950239 | 28522454 | 11 Channel View Rd  | Campbells Bay | -                                           | L2           | 205                       | Roots            | 5        | No                       | No                 | Yes         |
| 18/12/2017 | 13952122 | 28527185 | 33 Sylvan Park Ave  | Milford       | N/A                                         | L1           | 482                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 19/12/2017 | 13956713 | 28533441 | 3/322 East Coast Rd | Sunnynook     | N/A                                         | L1           | 190                       | Roots            | 0        | No                       | No                 | Yes         |
| 22/12/2017 | 13964727 | 28520455 | 6 Seaton Rd         | Murrays Bay   | N/A                                         | L1           | 518                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 22/12/2017 | 13964109 | 50218172 | 83 Sunnynook Rd     | Forrest Hill  | N/A                                         | L1           | 417                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 23/12/2017 | 13966371 | 28533097 | 36 Sunrise Ave      | Mairangi Bay  | N/A                                         | L1           | 470                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 24/12/2017 | 13966889 | 28510018 | 2/13 Jonathan Pl    | Sunnynook     | N/A                                         | L1           | 232                       | Unknown          | 0        | No                       | No                 | Yes         |
| 24/12/2017 | 13967088 | 28531559 | 51 Oaktree Ave      | Browns Bay    | N/A                                         | L1           | 111                       | Unknown          | 0        | No                       | No                 | Yes         |
| 26/12/2017 | 13967654 | 28510009 | 6 Aralia Rd         | Sunnynook     | N/A                                         | L1           | 185                       | Roots            | 6        | No                       | No                 | Yes         |
| 26/12/2017 | 13967586 | 28531623 | 6 Mistletoe Pl      | Browns Bay    | -                                           | L2           | 572                       | Unknown          | 6        | No                       | No                 | Yes         |
| 28/12/2017 | 13971532 | 28503446 | 36 Ellice Rd        | Totara Vale   | N/A                                         | L1           | 144                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/12/2017 | 13974244 | 28521786 | 1/36 Ramsgate Tce   | Mairangi Bay  | N/A                                         | L1           | 424                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/12/2017 | 13974314 | 28521880 | 254A East Coast Rd  | Forrest Hill  | N/A                                         | L1           | 510                       | Fat              | 0        | No                       | No                 | Yes         |
| 31/12/2017 | 13974761 | 28511814 | 40 Wolsley Ave      | Milford       | N/A                                         | L1           | 65                        | Unknown          | 0        | No                       | No                 | Yes         |
| 7/01/2018  | 13984852 | 28520106 | 1/31 Glencoe Rd     | Browns Bay    | N/A                                         | L1           | 203                       | Fat              | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13988045 | 16034326 | 10 Manutara Ave     | Forrest Hill  | N/A                                         | L1           | 106                       | Unknown          | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13985420 | 28525508 | 12 Totaravale Dr    | Totara Vale   | N/A                                         | L1           | 181                       | Roots            | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13985719 | 28521872 | 8 William Souter St | Forrest Hill  | N/A                                         | L1           | 192                       | Roots            | 0        | Yes                      | Yes                | Yes         |



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|------------|----------|----------|-----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 9/01/2018  | 13990536 | 28532963 | 30 Penning Rd         | Castor Bay    | N/A                                         | L1           | 166                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13992156 | 28510162 | 5 Tonkin Dr           | Sunnynook     | N/A                                         | L1           | 560                       | Roots          | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13994125 | 28535399 | 4 Gray Cres           | Torbay        | -                                           | L2           | 306                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/01/2018 | 13998395 | 28514009 | 26 Bevyn St           | Castor Bay    | N/A                                         | L1           | 567                       | Roots          | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14000654 | 28511609 | 2/69 East Coast Rd    | Castor Bay    | N/A                                         | L1           | 117                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14005437 | 28510092 | 14 Wylie Ave          | Sunnynook     | N/A                                         | L1           | 194                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 17/01/2018 | 14006600 | 28511499 | 14 Braemar Rd         | Castor Bay    | N/A                                         | L1           | 457                       | Roots          | 0        | No                       | No                 | Yes         |
| 21/01/2018 | 14017089 | 28506423 | 144 Aberdeen Rd       | Campbells Bay | -                                           | L2           | 261                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14022848 | 16255875 | 1/35 Channel View Rd  | Campbells Bay | N/A                                         | L1           | 275                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021485 | 28524855 | 10 Regency Pl         | Sunnynook     | N/A                                         | L1           | 88                        | Surcharging    | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021210 | 28510492 | 22 Porana Rd          | Wairau Valley | N/A                                         | L1           | 58                        | Surcharging    | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021121 | 28533364 | 33 Lavery Pl          | Sunnynook     | N/A                                         | L1           | 114                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021208 | 28533508 | 6 Linwood Ave         | Forrest Hill  | N/A                                         | L1           | 119                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021251 | 16018518 | 81 Selwyn Cres        | Forrest Hill  | N/A                                         | L1           | 86                        | Surcharging    | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14024558 | 28531601 | 9 Mistletoe Pl        | Browns Bay    | N/A                                         | L1           | 470                       | Fat            | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14026804 | 28522847 | 167A Beach Rd         | Castor Bay    | N/A                                         | L1           | 132                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14027288 | 28504552 | 5/43 Anzac Rd         | Browns Bay    | N/A                                         | L1           | 582                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14030570 | 28511555 | 36 Braemar Rd         | Castor Bay    | -                                           | L2           | 183                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032524 | 28510145 | 2/13 Jonathan Pl      | Sunnynook     | -                                           | L3           | 145                       | Rags           | 0        | Yes                      | Yes                | Yes         |
| 28/01/2018 | 14032200 | 28524696 | 27 Saltburn Rd        | Milford       | -                                           | L2           | 510                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032115 | 28511878 | 3/117 Shakespeare Rd  | Milford       | -                                           | L4           | 57                        | Rags           | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14033225 | 28514025 | 25 Commodore Parry Rd | Castor Bay    | N/A                                         | L1           | 206                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14034010 | 28510018 | 2/13 Jonathan Pl      | Sunnynook     | -                                           | L2           | 224                       | Rags           | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14037599 | 28534039 | 18 Sharon Rd          | Waiake        | N/A                                         | L1           | 137                       | Silts          | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14039127 | 28512030 | 31A Castor Bay Rd     | Castor Bay    | N/A                                         | L1           | 145                       | Fat            | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14042697 | 28516255 | 3/10 Agincourt St     | Glenfield     | N/A                                         | L1           | 77                        | Surcharging    | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/02/2018  | 14040617 | 16013192 | 85 Marlborough Ave | Glenfield     | N/A                                         | L1           | 448                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14045264 | 16225755 | 1/11 Heather Pl    | Sunnynook     | N/A                                         | L1           | 148                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/02/2018  | 14050279 | 16013192 | 85 Marlborough Ave | Glenfield     | N/A                                         | L1           | 181                       | Power Failure  | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14052232 | 16233708 | 158 Oaktree Ave    | Browns Bay    | N/A                                         | L1           | 450                       | Roots          | 0        | No                       | No                 | Yes         |
| 9/02/2018  | 14057475 | 16013192 | 85 Marlborough Ave | Glenfield     | N/A                                         | L1           | 108                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14060111 | 28510145 | 2/13 Jonathan Pl   | Sunnynook     | N/A                                         | L1           | 411                       | Unknown        | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060666 | 28522670 | 1/236 Beach Rd     | Campbells Bay | -                                           | L3           | 536                       | Surcharging    | 0        | Yes                      | Yes                | Yes         |
| 11/02/2018 | 14060787 | 28511885 | 1/91 Nile Rd       | Milford       | N/A                                         | L1           | 140                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060668 | 28521050 | 10 Phillip Pde     | Forrest Hill  | N/A                                         | L1           | 490                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060717 | 28510018 | 2/13 Jonathan Pl   | Sunnynook     | N/A                                         | L1           | 122                       | Unknown        | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060714 | 28522648 | 23 Huntly Rd       | Campbells Bay | -                                           | L3           | 550                       | Surcharging    | 0        | Yes                      | Yes                | Yes         |
| 11/02/2018 | 14060711 | 28522137 | 262A Beach Rd      | Campbells Bay | -                                           | L2           | 635                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14062860 | 28510018 | 2/13 Jonathan Pl   | Sunnynook     | N/A                                         | L1           | 148                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14062960 | 28533578 | 2/5 Woodstock Rd   | Forrest Hill  | N/A                                         | L1           | 134                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063782 | 28513146 | 226- Wairau Rd     | Wairau Valley | -                                           | L2           | 472                       | Roots          | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064803 | 28513176 | 54 View Rd         | Wairau Valley | -                                           | L3           | 69                        | Fat            | 0        | Yes                      | Yes                | Yes         |
| 12/02/2018 | 14062332 | 28521078 | 81 Selwyn Cres     | Forrest Hill  | N/A                                         | L1           | 229                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14065923 | 28510018 | 2/13 Jonathan Pl   | Sunnynook     | N/A                                         | L1           | 146                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066649 | 28529185 | 51 Bond Cres       | Forrest Hill  | 0.25                                        | L2           | 479                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14073647 | 28524618 | 6 The Esplanade    | Castor Bay    | N/A                                         | L1           | 444                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14074251 | 28536898 | 14 Wisteria Way    | Mairangi Bay  | N/A                                         | L1           | 475                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076913 | 28511554 | 1/33 Parr Tce      | Castor Bay    | N/A                                         | L1           | 192                       | Unknown        | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076904 | 28530794 | 44 Mulgan Way      | Browns Bay    | N/A                                         | L1           | 102                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14078978 | 28511554 | 1/33 Parr Tce      | Castor Bay    | N/A                                         | L1           | 439                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14080824 | 16011054 | 102A Target Rd     | Wairau Valley | N/A                                         | L1           | 218                       | Roots          | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14079913 | 28513788 | 50- Hillside Rd    | Wairau Valley | N/A                                         | L1           | 164                       | Unknown        | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|------------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/02/2018 | 14085075 | 28512817 | 102A Target Rd         | Wairau Valley | N/A                                         | L1           | 94                        | Roots            | 0        | No                       | No                 | Yes         |
| 22/02/2018 | 14088961 | 28534040 | 18 Sharon Rd           | Waiake        | N/A                                         | L1           | 106                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14095357 | 28521985 | 19 Bourmemouth Tce     | Murrays Bay   | N/A                                         | L1           | 248                       | Unknown          | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14100816 | 28514259 | 17 Manurere Ave        | Takapuna      | N/A                                         | L1           | 134                       | Unknown          | 0        | No                       | No                 | Yes         |
| 28/02/2018 | 14103004 | 28503530 | 32 Porana Rd           | Wairau Valley | N/A                                         | L1           | 83                        | Silts            | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105644 | 28503537 | 22 Porana Rd           | Wairau Valley | -                                           | L2           | 554                       | Fat              | 1        | No                       | No                 | Yes         |
| 2/03/2018  | 14107616 | 28512878 | 37 Cheval Dr           | Totara Vale   | N/A                                         | L1           | 218                       | Unknown          | 2        | No                       | No                 | Yes         |
| 6/03/2018  | 14117881 | 28511229 | 54 View Rd             | Wairau Valley | -                                           | L2           | 160                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 8/03/2018  | 14123537 | 28515618 | 1/24 Nile Rd           | Milford       | N/A                                         | L1           | 341                       | Silts            | 21       | No                       | No                 | Yes         |
| 11/03/2018 | 14130994 | 28520354 | 1/5 Clematis Ave       | Murrays Bay   | N/A                                         | L1           | 161                       | Fat              | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130713 | 16019785 | 74 Salamanca Rd        | Sunnynook     | N/A                                         | L1           | 125                       | Roots            | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14134086 | 28511684 | 1/21 Tobruk Cres       | Milford       | N/A                                         | L1           | 125                       | Fat              | 32       | No                       | No                 | Yes         |
| 15/03/2018 | 14141769 | 28505203 | 654 Beach Rd           | Browns Bay    | N/A                                         | L1           | 507                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146869 | 28504316 | 1/34 Ayton Dr          | Totara Vale   | N/A                                         | L1           | 624                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 17/03/2018 | 14146965 | 28533900 | 2/28 Sealy Rd          | Torabay       | N/A                                         | L1           | 238                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 17/03/2018 | 14147045 | 28519583 | 539 East Coast Rd      | Browns Bay    | N/A                                         | L1           | 125                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 19/03/2018 | 14151277 | 28534302 | 1 Landvale Crt         | Browns Bay    | N/A                                         | L1           | 112                       | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 19/03/2018 | 14149762 | 16233264 | 66 Shakespeare Rd      | Milford       | N/A                                         | L1           | 614                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 20/03/2018 | 14154024 | 10317531 | 28 Kenmure Ave         | Forrest Hill  | N/A                                         | L1           | 227                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 22/03/2018 | 14158735 | 28520666 | 1 Kennedy Ave          | Forrest Hill  | -                                           | L2           | 178                       | Roots            | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14159625 | 16019601 | 10 Kitchener Rd        | Takapuna      | N/A                                         | L1           | 655                       | Roots            | 0        | No                       | No                 | Yes         |
| 25/03/2018 | 14165422 | 28521797 | 1/22 William Souter St | Forrest Hill  | N/A                                         | L1           | 418                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 25/03/2018 | 14165450 | 28537242 | 34 Infidel Pl          | Torabay       | N/A                                         | L1           | 417                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 29/03/2018 | 14175689 | 28531149 | 10 Foley Pl            | Torabay       | N/A                                         | L1           | 193                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14175903 | 28537577 | 731 Beach Rd           | Browns Bay    | 0                                           | L2           | 93                        | Silts            | 0        | No                       | No                 | Yes         |
| 30/03/2018 | 14178243 | 28509825 | 20 Target Rd           | Totara Vale   | N/A                                         | L1           | 579                       | Rags             | 8        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|---------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 30/03/2018 | 14178389 | 28522156 | 743 Beach Rd          | Browns Bay    | N/A                                         | L1           | 140                       | Unknown     | 8        | No                       | No                 | Yes         |
| 1/04/2018  | 14179370 | 50218172 | 83 Sunnynook Rd       | Forrest Hill  | N/A                                         | L1           | 573                       | Fat         | 0        | No                       | No                 | Yes         |
| 2/04/2018  | 14180071 | 28511147 | 31 Ramillies Pl       | Glenfield     | N/A                                         | L1           | 148                       | Roots       | 0        | No                       | No                 | Yes         |
| 6/04/2018  | 14192765 | 28520523 | 44 Merriemfield Ave   | Forrest Hill  | N/A                                         | L1           | 95                        | Roots       | 2        | No                       | No                 | Yes         |
| 9/04/2018  | 14197101 | 28510088 | 88 Sycamore Dr        | Sunnynook     | N/A                                         | L1           | 566                       | Unknown     | 0        | No                       | No                 | Yes         |
| 10/04/2018 | 14200323 | 28532876 | 76 Saddleback Rise    | Murrays Bay   | N/A                                         | L1           | 625                       | Roots       | 5.5      | No                       | No                 | Yes         |
| 11/04/2018 | 14202221 | 28522604 | 210 Beach Rd          | Campbells Bay | -                                           | L2           | 204                       | Fat         | 7        | No                       | No                 | Yes         |
| 13/04/2018 | 14209490 | 28512729 | 5 Inga Rd             | Milford       | -                                           | L2           | 474                       | Fat         | 0        | No                       | No                 | Yes         |
| 14/04/2018 | 14211662 | 28521077 | 81 Selwyn Cres        | Forrest Hill  | N/A                                         | L1           | 90                        | Surcharging | 3        | No                       | No                 | Yes         |
| 15/04/2018 | 14212278 | 28537425 | 3/43 Anzac Rd         | Browns Bay    | N/A                                         | L1           | 580                       | Fat         | 34.5     | No                       | No                 | Yes         |
| 16/04/2018 | 14216180 | 28532878 | 1/100 Saddleback Rise | Murrays Bay   | -                                           | L2           | 128                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 16/04/2018 | 14215654 | 28513164 | 1/16 View Rd          | Wairau Valley | N/A                                         | L1           | 83                        | Unknown     | 1.5      | No                       | No                 | Yes         |
| 16/04/2018 | 14215460 | 28524750 | 11 Holiday Rd         | Milford       | N/A                                         | L1           | 110                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 17/04/2018 | 14217209 | 28521119 | 2/56 Knightsbridge Dr | Forrest Hill  | N/A                                         | L1           | 126                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 17/04/2018 | 14219714 | 28510119 | 24 Salamanca Rd       | Sunnynook     | N/A                                         | L1           | 126                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 17/04/2018 | 14218252 | 28510042 | 40 Salamanca Rd       | Sunnynook     | 0                                           | L2           | 491                       | Broken pipe | 0.5      | No                       | No                 | Yes         |
| 18/04/2018 | 14221074 | 28532878 | 1/100 Saddleback Rise | Murrays Bay   | N/A                                         | L1           | 142                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 18/04/2018 | 14220936 | 28537443 | 2/11 Woodlands Cres   | Browns Bay    | N/A                                         | L1           | 114                       | Rags        | 1.5      | No                       | No                 | Yes         |
| 19/04/2018 | 14224055 | 16034609 | 38 Helvetia Dr        | Browns Bay    | N/A                                         | L1           | 521                       | Fat         | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14237321 | 28511591 | 5 Castor Bay Rd       | Castor Bay    | N/A                                         | L1           | 490                       | Roots       | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14236785 | 28537143 | 51 Killarney Ave      | Torabay       | N/A                                         | L1           | 374                       | Fat         | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14245335 | 28511684 | 1/21 Tobruk Cres      | Milford       | N/A                                         | L1           | 180                       | Fat         | 64       | No                       | No                 | Yes         |
| 1/05/2018  | 14253235 | 28510375 | 34 Camelot Pl         | Glenfield     | N/A                                         | L1           | 120                       | Roots       | 1        | No                       | No                 | Yes         |
| 4/05/2018  | 14259956 | 28513869 | 13 Chivalry Rd        | Glenfield     | N/A                                         | L1           | 224                       | Roots       | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14261942 | 16246982 | 2/8 Scarlock Ave      | Browns Bay    | N/A                                         | L1           | 397                       | Fat         | 0        | No                       | No                 | Yes         |
| 6/05/2018  | 14263580 | 28516046 | 1/76 Velma Rd         | Hillcrest     | N/A                                         | L1           | 231                       | Roots       | 0.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|--------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 6/05/2018  | 14263184 | 28533499 | 2/35 Sunnynook Rd   | Forrest Hill | N/A                                         | L1           | 243                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 6/05/2018  | 14263360 | 28521777 | 21 Mayfair Cres     | Mairangi Bay | N/A                                         | L1           | 437                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 7/05/2018  | 14266785 | 28511684 | 1/21 Tobruk Cres    | Milford      | N/A                                         | L1           | 119                       | Rags             | 0.5      | No                       | No                 | Yes         |
| 11/05/2018 | 14277819 | 28511934 | 3/28 Wolsley Ave    | Milford      | N/A                                         | L1           | 442                       | Silts            | 0        | No                       | No                 | Yes         |
| 11/05/2018 | 14278665 | 28524696 | 7/20 Saltburn Rd    | Milford      | N/A                                         | L1           | 527                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14283597 | 28527446 | 1/15 Theban Pl      | Totara Vale  | N/A                                         | L1           | 436                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14283589 | 28509898 | 1/47 Target Rd      | Totara Vale  | N/A                                         | L1           | 608                       | Fat              | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14284016 | 28501900 | 146 Stapleford Cres | Browns Bay   | N/A                                         | L1           | 649                       | Fat              | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14284806 | 28511853 | 6/25 Corunna Rd     | Milford      | N/A                                         | L1           | 339                       | Unknown          | 0        | No                       | No                 | Yes         |
| 15/05/2018 | 14288162 | 28507687 | 2 Jonathan Pl       | Sunnynook    | -                                           | L2           | 198                       | Roots            | 0        | No                       | No                 | Yes         |
| 17/05/2018 | 14295541 | 28533931 | 13 Killarney Ave    | Torbay       | N/A                                         | L1           | 95                        | Foreign Object   | 6.04     | No                       | No                 | Yes         |
| 17/05/2018 | 14292848 | 28520524 | 39 Meadowvale Ave   | Forrest Hill | N/A                                         | L1           | 104                       | Fat              | 6.04     | No                       | No                 | Yes         |
| 18/05/2018 | 14297481 | 28516013 | 43 Agincourt St     | Glenfield    | N/A                                         | L1           | 557                       | 3rd party damage | 0.51     | No                       | No                 | Yes         |
| 19/05/2018 | 14299604 | 28521774 | 64 Maxwellton Dr    | Mairangi Bay | -                                           | L3           | 163                       | Fat              | 3.52     | Yes                      | Yes                | Yes         |
| 20/05/2018 | 14300570 | 28521075 | 81 Selwyn Cres      | Forrest Hill | N/A                                         | L1           | 99                        | Surcharging      | 0.51     | No                       | No                 | Yes         |
| 22/05/2018 | 14307522 | 28502938 | 2/12 Ayton Dr       | Totara Vale  | N/A                                         | L1           | 101                       | Roots            | 9.57     | No                       | No                 | Yes         |
| 22/05/2018 | 14305727 | 28513437 | 21 Normanton St     | Glenfield    | -                                           | L2           | 78                        | Fat              | 9.57     | No                       | No                 | Yes         |
| 23/05/2018 | 14309682 | 28509898 | 1/47 Target Rd      | Totara Vale  | N/A                                         | L1           | 521                       | Fat              | 38.77    | No                       | No                 | Yes         |
| 25/05/2018 | 14314762 | 28522169 | 58 Sharon Rd        | Waiake       | N/A                                         | L1           | 140                       | Fat              | 9.07     | No                       | No                 | Yes         |
| 26/05/2018 | 14317368 | 28519933 | 5 Regatta Rd        | Torbay       | N/A                                         | L1           | 216                       | Fat              | 4.53     | No                       | No                 | Yes         |
| 26/05/2018 | 14317480 | 28534210 | 69 Chivalry Rd      | Glenfield    | N/A                                         | L1           | 506                       | Roots            | 4.53     | No                       | No                 | Yes         |
| 27/05/2018 | 14318745 | 28511045 | 57 Archers Rd       | Hillcrest    | N/A                                         | L1           | 366                       | Rags             | 12.08    | No                       | No                 | Yes         |
| 28/05/2018 | 14319466 | 28516046 | 1/76 Velma Rd       | Hillcrest    | N/A                                         | L1           | 105                       | Roots            | 2.01     | No                       | No                 | Yes         |
| 28/05/2018 | 14320300 | 28534210 | 69 Chivalry Rd      | Glenfield    | N/A                                         | L1           | 94                        | Unknown          | 2.01     | No                       | No                 | Yes         |
| 30/05/2018 | 14326745 | 28512830 | 639A Glenfield Rd   | Totara Vale  | N/A                                         | L1           | 504                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 30/05/2018 | 14325907 | 28534210 | 69A Chivalry Rd     | Glenfield    | N/A                                         | L1           | 198                       | Unknown          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/06/2018  | 14333270 | 16226191 | 266 East Coast Rd    | Forrest Hill  | N/A                                         | L1           | 185                       | Roots          | 1.01     | No                       | No                 | Yes         |
| 3/06/2018  | 14335318 | 16019253 | 1/2 Heathcote Rd     | Castor Bay    | N/A                                         | L1           | 360                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335513 | 16226709 | 1/21 Tobruk Cres     | Milford       | N/A                                         | L1           | 48                        | Foreign Object | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335038 | 16033747 | 1/236 Beach Rd       | Campbells Bay | N/A                                         | L1           | 87                        | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335409 | 16034359 | 10 Linwood Ave       | Forrest Hill  | N/A                                         | L1           | 230                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335156 | 28522632 | 15 The Esplanade     | Campbells Bay | N/A                                         | L1           | 377                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335174 | 28537445 | 2/11 Woodlands Cres  | Browns Bay    | N/A                                         | L1           | 346                       | Unknown        | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335385 | 16036285 | 2/665 Beach Rd       | Rothsay Bay   | N/A                                         | L1           | 193                       | Roots          | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335048 | 28521045 | 2/7 Phillip Pde      | Forrest Hill  | N/A                                         | L1           | 87                        | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335092 | 16033728 | 262A Beach Rd        | Campbells Bay | N/A                                         | L1           | 666                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335103 | 16033757 | 305 Beach Rd         | Campbells Bay | N/A                                         | L1           | 524                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335223 | 16020758 | 41 Bond Cres         | Forrest Hill  | N/A                                         | L1           | 418                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335147 | 16033021 | 59 Stapleford Cres   | Browns Bay    | N/A                                         | L1           | 559                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335222 | 28516254 | 8 Agincourt St       | Glenfield     | N/A                                         | L1           | 708                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335124 | 28533578 | 9 Woodstock Rd       | Forrest Hill  | -                                           | L2           | 715                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335372 | 16036599 | 924 Beach Rd         | Waiake        | N/A                                         | L1           | 121                       | Surcharging    | 52.86    | No                       | No                 | Yes         |
| 5/06/2018  | 14339132 | 28506628 | 2/44 Nile Rd         | Milford       | N/A                                         | L1           | 80                        | Surcharging    | 4.02     | No                       | No                 | Yes         |
| 5/06/2018  | 14337411 | 50218172 | 83 Sunnynook Rd      | Forrest Hill  | N/A                                         | L1           | 452                       | Foreign Object | 4.02     | No                       | No                 | Yes         |
| 7/06/2018  | 14346160 | 28533576 | 2/64 Blakeborough Dr | Forrest Hill  | N/A                                         | L1           | 258                       | Surcharging    | 1.5      | No                       | No                 | Yes         |
| 9/06/2018  | 14349522 | 28520375 | 1/4 Lyons Ave        | Murrays Bay   | N/A                                         | L1           | 210                       | Fat            | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14352731 | 28533880 | 107 Deep Creek Rd    | Torabay       | N/A                                         | L1           | 470                       | Surcharging    | 0.5      | No                       | No                 | Yes         |
| 11/06/2018 | 14352010 | 28521080 | 2/60 Selwyn Cres     | Forrest Hill  | N/A                                         | L1           | 527                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 11/06/2018 | 14352925 | 28527294 | 4/26 Kitchener Rd    | Takapuna      | N/A                                         | L1           | 166                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 11/06/2018 | 14351394 | 28533305 | 47 Mayfair Cres      | Mairangi Bay  | N/A                                         | L1           | 64                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 11/06/2018 | 14352919 | 28520727 | 9 Meadowvale Ave     | Forrest Hill  | N/A                                         | L1           | 155                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 16/06/2018 | 14366492 | 28511872 | 39 Wolsley Ave       | Milford       | N/A                                         | L1           | 448                       | Foreign Object | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 18/06/2018 | 14368948 | 28504317 | 1/34 Ayton Dr       | Totara Vale  | N/A                                         | L1           | 96                        | Rags           | 1        | No                       | No                 | Yes         |
| 18/06/2018 | 14370154 | 28521263 | 39 Nile Rd          | Milford      | N/A                                         | L1           | 75                        | Fat            | 1        | No                       | No                 | Yes         |
| 20/06/2018 | 14375096 | 28511872 | 39 Wolsley Ave      | Milford      | N/A                                         | L1           | 475                       | Foreign Object | 94       | No                       | No                 | Yes         |
| 21/06/2018 | 14377730 | 28533280 | 45 Maxwelton Dr     | Mairangi Bay | N/A                                         | L1           | 121                       | Roots          | 45       | No                       | No                 | Yes         |
| 22/06/2018 | 14383298 | 28520058 | 17 Freya Pl         | Torbay       | N/A                                         | L1           | 191                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/06/2018 | 14381557 | 28524696 | 20 Saltburn Rd      | Milford      | N/A                                         | L1           | 181                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/06/2018 | 14384068 | 10317531 | 34 Saltburn Rd      | Milford      | N/A                                         | L1           | 528                       | Rubbish        | 3.5      | No                       | No                 | Yes         |
| 24/06/2018 | 14384967 | 16266221 | 266B Wairau Rd      | Glenfield    | N/A                                         | L1           | 520                       | Broken Pipe    | 5        | No                       | No                 | Yes         |
| 26/06/2018 | 14392234 | 28533312 | 76 Mayfair Cres     | Mairangi Bay | N/A                                         | L1           | 251                       | Fat            | 16.5     | No                       | No                 | Yes         |
| 26/06/2018 | 14392277 | 28533312 | 78 Mayfair Cres     | Mairangi Bay | N/A                                         | L1           | 213                       | Unknown        | 16.5     | No                       | No                 | Yes         |
| 27/06/2018 | 14394222 | 28516094 | 1 Philip Keith Rise | Hillcrest    | N/A                                         | L1           | 608                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 29/06/2018 | 14400028 | 28506734 | 3/43 Anzac Rd       | Browns Bay   | -                                           | L2           | 479                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 29/06/2018 | 14400040 | 28506734 | 8 Glen Rd           | Browns Bay   | -                                           | L2           | 482                       | Fat            | 1.5      | No                       | No                 | Yes         |

**Table 12: Overflows in the Devonport – Takapuna Catchment Area**

| Date       | SR #     | Compkey  | Address          | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------|-------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 15/08/2017 | 13695497 | 16016959 | 12 Church St     | Devonport   | N/A                                         | L1           | 491                       | Unknown | 0.49     | No                       | No                 | Yes         |
| 8/09/2017  | 13741133 | 28508466 | 3/11 Campbell Rd | Takapuna    | N/A                                         | L1           | 177                       | Roots   | 2.45     | No                       | No                 | Yes         |
| 7/11/2017  | 13855300 | 16213621 | 21A Clifton Rd   | Hauraki     | N/A                                         | L1           | 153                       | Unknown | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13860114 | 28519509 | 1 Fleet St       | Devonport   | N/A                                         | L1           | 177                       | Unknown | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13945590 | 28508595 | 1/14A Mays St    | Devonport   | N/A                                         | L1           | 251                       | Unknown | 0.5      | No                       | No                 | Yes         |
| 24/12/2017 | 13966825 | 28534832 | 86 Wairoa Rd     | Narrow Neck | N/A                                         | L1           | 364                       | Fat     | 0        | No                       | No                 | Yes         |
| 28/12/2017 | 13970865 | 28518070 | 14 St Aubyn St   | Devonport   | N/A                                         | L1           | 106                       | Unknown | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063709 | 28526848 | 16-18 Anzac St   | Takapuna    | N/A                                         | L1           | 508                       | Fat     | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14100119 | 28527354 | 10 Rarere Rd     | Hauraki     | N/A                                         | L1           | 139                       | Roots   | 0        | No                       | No                 | Yes         |
| 22/05/2018 | 14306832 | 28527354 | 9 Rarere Rd      | Hauraki     | N/A                                         | L1           | 630                       | Roots   | 9.57     | No                       | No                 | Yes         |
| 5/06/2018  | 14338900 | 28535095 | 32 Oxford Tce    | Devonport   | N/A                                         | L1           | 71                        | Unknown | 4.02     | No                       | No                 | Yes         |



**Table 13: Overflows in the Shoal Bay Catchment Area**

| Date       | SR #     | Compkey  | Address               | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 4/07/2017  | 13615932 | 16017163 | 25 Northumberland Ave | Hauraki         | N/A                                         | L1           | 118                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13617995 | 28508042 | 2/69 Hinemoa St       | Birkenhead      | 1                                           | L2           | 395                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 5/07/2017  | 13618610 | 28535339 | 173 Bayswater Ave     | Bayswater       | N/A                                         | L1           | 140                       | Unknown        | 7.5      | No                       | No                 | Yes         |
| 13/07/2017 | 13635787 | 28509588 | 31 Belle Vue Ave      | Northcote Point | N/A                                         | L1           | 198                       | Silts          | 10       | No                       | No                 | Yes         |
| 15/07/2017 | 13638571 | 28531987 | 2 Ngataringa Rd       | Devonport       | N/A                                         | L1           | 568                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13638975 | 16014864 | 13A Ensign Pl         | Hillcrest       | N/A                                         | L1           | 439                       | Unknown        | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13643641 | 28502590 | 17 Tui Glen Rd        | Birkenhead      | N/A                                         | L1           | 182                       | Fat            | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13643965 | 28501805 | 210 Onewa Rd          | Birkenhead      | N/A                                         | L1           | 275                       | Unknown        | 0        | No                       | No                 | Yes         |
| 24/07/2017 | 13654350 | 28509124 | 100 Colonial Rd       | Chatswood       | -                                           | L2           | 223                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 24/07/2017 | 13654447 | 28531987 | 2 Ngataringa Rd       | Devonport       | N/A                                         | L1           | 119                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 24/07/2017 | 13653545 | 50013252 | 29 Regent St          | Devonport       | N/A                                         | L1           | 190                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 26/07/2017 | 13658113 | 16053804 | 28 Glade Pl           | Birkenhead      | N/A                                         | L1           | 111                       | Rubbish        | 1.5      | No                       | No                 | Yes         |
| 26/07/2017 | 13658736 | 28504069 | 2/18 Felstead St      | Birkenhead      | N/A                                         | L1           | 518                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 26/07/2017 | 13659659 | 28534972 | 141A Vauxhall Rd      | Narrow Neck     | N/A                                         | L1           | 228                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13661684 | 28516812 | 1/121 Monarch Ave     | Hillcrest       | 1                                           | L2           | 542                       | Unknown        | 8        | No                       | No                 | Yes         |
| 29/07/2017 | 13665304 | 28500058 | 6 Second Ave          | Stanley Point   | N/A                                         | L1           | 396                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13668666 | 28509158 | 24/90A Onewa Rd       | Northcote Point | N/A                                         | L1           | 416                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/08/2017  | 13673858 | 16053101 | 31A Lake Rd           | Northcote       | N/A                                         | L1           | 169                       | Roots          | 10       | No                       | No                 | Yes         |
| 6/08/2017  | 13678540 | 16269023 | 2 Ascot Ave           | Narrow Neck     | N/A                                         | L1           | 493                       | Surcharging    | 1        | No                       | No                 | Yes         |
| 6/08/2017  | 13678686 | 28532095 | 1 Mosman Pl           | Chatswood       | N/A                                         | L1           | 145                       | Unknown        | 1        | No                       | No                 | Yes         |
| 8/08/2017  | 13682336 | 28514439 | 1/30 Byron Ave        | Takapuna        | N/A                                         | L1           | 60                        | Unknown        | 4.9      | No                       | No                 | Yes         |
| 18/08/2017 | 13702216 | 50070362 | 5 Eban Ave            | Hillcrest       | N/A                                         | L1           | 171                       | Unknown        | 0.98     | No                       | No                 | Yes         |
| 21/08/2017 | 13705277 | 28500697 | 134 Porritt Ave       | Chatswood       | N/A                                         | L1           | 126                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708711 | 28514453 | 3/33A Tennyson Ave    | Takapuna        | N/A                                         | L1           | 157                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715480 | 50070362 | 5 Eban Ave            | Hillcrest       | N/A                                         | L1           | 426                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13719524 | 16257547 | 50- Ravenstone Pl     | Chatswood       | N/A                                         | L1           | 210                       | Roots          | 11.76    | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 30/08/2017 | 13723340 | 50184486 | 65 Lake Rd         | Devonport       | N/A                                         | L1           | 159                       | Unknown        | 29.88    | No                       | No                 | Yes         |
| 1/09/2017  | 13727865 | 16212765 | 24 Compton St      | Hillcrest       | N/A                                         | L1           | 196                       | Unknown        | 0.49     | No                       | No                 | Yes         |
| 4/09/2017  | 13730115 | 28532212 | 50- Ravenstone Pl  | Chatswood       | N/A                                         | L1           | 188                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730378 | 28501287 | 34 Porritt Ave     | Chatswood       | N/A                                         | L1           | 492                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/09/2017  | 13733758 | 10317531 | 2/14A Puriri St    | Takapuna        | N/A                                         | L1           | 680                       | Broken Pipe    | 0        | No                       | No                 | Yes         |
| 10/09/2017 | 13742925 | 28509532 | 2/80 Queen St      | Northcote Point | N/A                                         | L1           | 232                       | Unknown        | 19.11    | No                       | No                 | Yes         |
| 11/09/2017 | 13744927 | 16270801 | 10 Cowper St       | Devonport       | N/A                                         | L1           | 96                        | Unknown        | 9.79     | No                       | No                 | Yes         |
| 13/09/2017 | 13749701 | 50052284 | 52A Francis St     | Hauraki         | N/A                                         | L1           | 169                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/09/2017 | 13757026 | 16270802 | 12 Cowper St       | Devonport       | N/A                                         | L1           | 502                       | Unknown        | 6.37     | No                       | No                 | Yes         |
| 18/09/2017 | 13759275 | 28514420 | 1/1 Francis St     | Hauraki         | N/A                                         | L1           | 124                       | Unknown        | 6.86     | No                       | No                 | Yes         |
| 18/09/2017 | 13758941 | 28519562 | 137- Lake Rd       | Belmont         | N/A                                         | L1           | 514                       | Foreign Object | 6.86     | No                       | No                 | Yes         |
| 21/09/2017 | 13766372 | 28516594 | Trelawny Pl        | Hillcrest       | N/A                                         | L1           | 551                       | Roots          | 9.36     | No                       | No                 | Yes         |
| 23/09/2017 | 13770040 | 28516576 | 30 Trelawny Pl     | Hillcrest       | N/A                                         | L1           | 190                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13771511 | 16052936 | 191A Hinemoa St    | Birkenhead      | N/A                                         | L1           | 430                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 27/09/2017 | 13776999 | 28512558 | 159 Victoria Rd    | Devonport       | N/A                                         | L1           | 123                       | Unknown        | 2        | No                       | No                 | Yes         |
| 2/10/2017  | 13784449 | 28532051 | 10 Porritt Ave     | Chatswood       | N/A                                         | L1           | 179                       | Roots          | 8        | No                       | No                 | Yes         |
| 4/10/2017  | 13789859 | 28532051 | 10 Porritt Ave     | Chatswood       | N/A                                         | L1           | 519                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13790671 | 28516791 | 2/20 Ocean View Rd | Northcote       | N/A                                         | L1           | 251                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 5/10/2017  | 13793268 | 28530450 | 23 Waterview Rd    | Stanley Point   | N/A                                         | L1           | 192                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 5/10/2017  | 13792137 | 28502025 | 12 Tizard Rd       | Birkenhead      | N/A                                         | L1           | 337                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 5/10/2017  | 13793487 | 28531794 | 25 Cowper St       | Devonport       | N/A                                         | L1           | 49                        | Unknown        | 0        | No                       | No                 | Yes         |
| 7/10/2017  | 13796352 | 28501661 | 1/13A Felstead St  | Birkenhead      | N/A                                         | L1           | 213                       | Fat            | 7.5      | No                       | No                 | Yes         |
| 7/10/2017  | 13796430 | 28502023 | 1/24 Tizard Rd     | Birkenhead      | N/A                                         | L1           | 118                       | Foreign Object | 7.5      | No                       | No                 | Yes         |
| 10/10/2017 | 13801145 | 28518871 | 45 Potter Ave      | Northcote       | N/A                                         | L1           | 545                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 13/10/2017 | 13808281 | 16262990 | 2/2A Hart Rd       | Hauraki         | N/A                                         | L1           | 523                       | Unknown        | 0        | No                       | No                 | Yes         |
| 15/10/2017 | 13810251 | 28518810 | 60 Mcdowell Cres   | Hillcrest       | N/A                                         | L1           | 142                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 17/10/2017 | 13815460 | 28531927 | 1/15 Alamein Ave   | Belmont         | N/A                                         | L1           | 20                        | Unknown        | 1        | No                       | No                 | Yes         |
| 17/10/2017 | 13815360 | 28527094 | 7A Waitemata Rd    | Hauraki         | N/A                                         | L1           | 86                        | Unknown        | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 20/10/2017 | 13821342 | 28535248 | 1/9A Eversleigh Rd | Belmont       | N/A                                         | L1           | 158                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 31/10/2017 | 13840915 | 28518871 | 45 Potter Ave      | Northcote     | N/A                                         | L1           | 89                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 31/10/2017 | 13839547 | 28501663 | 82 Palmerston Rd   | Birkenhead    | N/A                                         | L1           | 167                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/10/2017 | 13839591 | 16271083 | 23 Glen Rd         | Stanley Point | N/A                                         | L1           | 144                       | Unknown        | 0        | No                       | No                 | Yes         |
| 1/11/2017  | 13844679 | 28510850 | 1/10 Lydia Ave     | Northcote     | N/A                                         | L1           | 282                       | Roots          | 0        | No                       | No                 | Yes         |
| 1/11/2017  | 13844721 | 28502172 | 10 Paruru Ave      | Northcote     | N/A                                         | L1           | 58                        | Unknown        | 0        | No                       | No                 | Yes         |
| 1/11/2017  | 13844831 | 28514421 | 1 Francis St       | Hauraki       | N/A                                         | L1           | 143                       | Unknown        | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13846875 | 16350231 | 1/63 Rawene Rd     | Birkenhead    | 1                                           | L2           | 436                       | Roots          | 1        | No                       | No                 | Yes         |
| 3/11/2017  | 13848749 | 28512158 | 2/307 Lake Rd      | Hauraki       | N/A                                         | L1           | 174                       | Roots          | 2        | No                       | No                 | Yes         |
| 4/11/2017  | 13850738 | 28501253 | 24 Inkster St      | Birkenhead    | N/A                                         | L1           | 7                         | Broken pipe    | 4.5      | No                       | No                 | Yes         |
| 5/11/2017  | 13851642 | 28501607 | 95 Palmerston Rd   | Birkenhead    | -                                           | L3           | 353                       | Broken pipe    | 0        | Yes                      | Yes                | Yes         |
| 6/11/2017  | 13852999 | 28534200 | 166 Mokoia Rd      | Chatswood     | N/A                                         | L1           | 421                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/11/2017  | 13856943 | 16053902 | 24 Inkster St      | Birkenhead    | -                                           | L2           | 121                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 7/11/2017  | 13856625 | 28534791 | 20 Lake Rd         | Devonport     | N/A                                         | L1           | 102                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13858628 | 16216097 | 67 Mountbatten Ave | Hillcrest     | N/A                                         | L1           | 158                       | Roots          | 15.5     | No                       | No                 | Yes         |
| 9/11/2017  | 13860498 | 28507274 | 10 Bracken Ave     | Takapuna      | N/A                                         | L1           | 572                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13861129 | 28501608 | 95 Palmerston Rd   | Birkenhead    | N/A                                         | L1           | 160                       | Silts          | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13863825 | 28509370 | 21 Onewa Rd        | Northcote     | N/A                                         | L1           | 478                       | Unknown        | 0        | No                       | No                 | Yes         |
| 13/11/2017 | 13865859 | 28505874 | 87 Anzac St        | Takapuna      | N/A                                         | L1           | 383                       | Roots          | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13868712 | 28527090 | 8 Waitemata Rd     | Hauraki       | N/A                                         | L1           | 437                       | Roots          | 3.5      | No                       | No                 | Yes         |
| 14/11/2017 | 13869383 | 16058426 | 12 Cambria Rd      | Devonport     | N/A                                         | L1           | 398                       | Broken pipe    | 3.5      | No                       | No                 | Yes         |
| 15/11/2017 | 13872118 | 50176827 | 117 Onewa Rd       | Northcote     | N/A                                         | L1           | 140                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 19/11/2017 | 13880339 | 16080645 | 2/14A Puriri St    | Takapuna      | N/A                                         | L1           | 338                       | Unknown        | 2        | No                       | No                 | Yes         |
| 21/11/2017 | 13887680 | 16053852 | 24 Inkster St      | Birkenhead    | -                                           | L2           | 163                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885174 | 28502022 | 9 Wanganella St    | Birkenhead    | N/A                                         | L1           | 143                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13893860 | 28504681 | 24 Inkster St      | Birkenhead    | -                                           | L2           | 204                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896013 | 28511307 | 100 Colonial Rd    | Chatswood     | -                                           | L2           | 327                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897513 | 16053852 | 24 Inkster St      | Birkenhead    | -                                           | L3           | 152                       | Broken pipe    | 0        | Yes                      | Yes                | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb          | Ammonia result 100m down stream | DWO Level | Duration in minutes | Cause          | Rainfall | Public Health Risk | Ecological Risk | Containment |
|------------|----------|----------|--------------------|-----------------|---------------------------------|-----------|---------------------|----------------|----------|--------------------|-----------------|-------------|
| 27/11/2017 | 13901525 | 28501685 | 1/2A Rawene Rd     | Birkenhead      | N/A                             | L1        | 337                 | Fat            | 0        | No                 | No              | Yes         |
| 29/11/2017 | 13907862 | 16268941 | 89 Albert Rd       | Devonport       | N/A                             | L1        | 79                  | Unknown        | 12.5     | No                 | No              | Yes         |
| 1/12/2017  | 13914752 | 28501681 | 1/10 Rawene Rd     | Birkenhead      | -                               | L2        | 127                 | Foreign Object | 0        | No                 | No              | Yes         |
| 2/12/2017  | 13915400 | 28501687 | 1/24 Mariposa Cres | Birkenhead      | N/A                             | L1        | 194                 | Unknown        | 0        | No                 | No              | Yes         |
| 3/12/2017  | 13916165 | 28501681 | 1/10 Rawene Rd     | Birkenhead      | N/A                             | L1        | 494                 | Foreign Object | 0.5      | No                 | No              | Yes         |
| 13/12/2017 | 13940661 | 16268941 | 89 Albert Rd       | Devonport       | N/A                             | L1        | 186                 | Foreign Object | 0        | No                 | No              | Yes         |
| 13/12/2017 | 13941462 | 28501995 | 165A Hinemoa St    | Birkenhead      | N/A                             | L1        | 114                 | Broken pipe    | 0        | No                 | No              | Yes         |
| 14/12/2017 | 13944176 | 28518860 | 44 Potter Ave      | Northcote       | N/A                             | L1        | 418                 | Unknown        | 0.5      | No                 | No              | Yes         |
| 18/12/2017 | 13952252 | 16198463 | 3 Princes St       | Northcote Point | N/A                             | L1        | 494                 | Roots          | 0.5      | No                 | No              | Yes         |
| 20/12/2017 | 13958300 | 28500093 | 30 Alamein Ave     | Belmont         | N/A                             | L1        | 447                 | Foreign Object | 4        | No                 | No              | Yes         |
| 20/12/2017 | 13960044 | 28510282 | 24 Mcbreen Ave     | Northcote       | -                               | L2        | 71                  | Unknown        | 4        | No                 | No              | Yes         |
| 21/12/2017 | 13962905 | 28505310 | 48 Deuxberry Ave   | Northcote       | N/A                             | L1        | 191                 | Fat            | 0        | No                 | No              | Yes         |
| 21/12/2017 | 13963145 | 28501662 | 20 Inkster St      | Birkenhead      | N/A                             | L1        | 256                 | Unknown        | 0        | No                 | No              | Yes         |
| 24/12/2017 | 13966902 | 28531813 | 9 Roslyn Tce       | Stanley Point   | N/A                             | L1        | 173                 | Unknown        | 0        | No                 | No              | Yes         |
| 26/12/2017 | 13967646 | 28527107 | 52A Francis St     | Hauraki         | N/A                             | L1        | 66                  | Unknown        | 6        | No                 | No              | Yes         |
| 27/12/2017 | 13969163 | 28509251 | 15- Awanui St      | Birkenhead      | N/A                             | L1        | 594                 | Unknown        | 0.5      | No                 | No              | Yes         |
| 28/12/2017 | 13971424 | 28501813 | 256 Onewa Rd       | Birkenhead      | N/A                             | L1        | 143                 | Fat            | 0        | No                 | No              | Yes         |
| 1/01/2018  | 13975412 | 28501221 | Mokoia Rd          | Birkenhead      | N/A                             | L1        | 113                 | Fat            | 0        | No                 | No              | Yes         |
| 9/01/2018  | 13989151 | 28509548 | 40 Queen St        | Northcote Point | N/A                             | L1        | 540                 | Unknown        | 0        | No                 | No              | Yes         |
| 12/01/2018 | 13997979 | 28509126 | 100 Colonial Rd    | Chatswood       | N/A                             | L1        | 71                  | Broken pipe    | 0        | No                 | No              | Yes         |
| 12/01/2018 | 13998856 | 28501033 | 96 Porritt Ave     | Chatswood       | N/A                             | L1        | 621                 | Unknown        | 0        | No                 | No              | Yes         |
| 15/01/2018 | 14001423 | 28508520 | 144 Queen St       | Northcote Point | N/A                             | L1        | 574                 | Unknown        | 0        | No                 | No              | Yes         |
| 25/01/2018 | 14028692 | 16215268 | 16 Achilles Cres   | Narrow Neck     | N/A                             | L1        | 224                 | Unknown        | 0        | No                 | No              | Yes         |
| 30/01/2018 | 14035062 | 28511307 | 100 Colonial Rd    | Chatswood       | N/A                             | L1        | 203                 | Broken pipe    | 0        | No                 | No              | Yes         |
| 2/02/2018  | 14045408 | 28502005 | 24 Inkster St      | Birkenhead      | -                               | L3        | 237                 | Roots          | 0        | Yes                | Yes             | Yes         |
| 5/02/2018  | 14047555 | 28501672 | 58 Rawene Rd       | Birkenhead      | N/A                             | L1        | 189                 | Unknown        | 0        | No                 | No              | Yes         |
| 5/02/2018  | 14049239 | 28518093 | 9 First Ave        | Stanley Point   | N/A                             | L1        | 136                 | Roots          | 0        | No                 | No              | Yes         |
| 5/02/2018  | 14048371 | 28507437 | 1/5 Pine Ridge Tce | Hauraki         | N/A                             | L1        | 93                  | Unknown        | 0        | No                 | No              | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 7/02/2018  | 14051353 | 28501252 | 26 Inkster St       | Birkenhead      | N/A                                         | L1           | 389                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14060138 | 28508052 | 1/16 Glade Pl       | Birkenhead      | N/A                                         | L1           | 420                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060653 | 28518216 | 28 Waitemata Rd     | Hauraki         | N/A                                         | L1           | 615                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14073444 | 28510998 | 52- Cadness St      | Northcote       | N/A                                         | L1           | 302                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14097978 | 28509288 | 4 Deuxberry Ave     | Northcote       | N/A                                         | L1           | 120                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14100079 | 16072382 | 1 Old Lake Rd       | Narrow Neck     | N/A                                         | L1           | 262                       | Unknown        | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111175 | 16271032 | 19 Abbotsford Tce   | Devonport       | N/A                                         | L1           | 620                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14113492 | 28512237 | 58 Karaka St        | Takapuna        | N/A                                         | L1           | 627                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14130146 | 16268888 | 12 Empire Rd        | Devonport       | N/A                                         | L1           | 227                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 12/03/2018 | 14131565 | 28527012 | 29A Hart Rd         | Hauraki         | N/A                                         | L1           | 418                       | Fat            | 32       | No                       | No                 | Yes         |
| 14/03/2018 | 14138702 | 28501686 | 2/24 Mariposa Cres  | Birkenhead      | N/A                                         | L1           | 462                       | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 17/03/2018 | 14146975 | 28502063 | 18A Mariposa Cres   | Birkenhead      | N/A                                         | L1           | 170                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 21/03/2018 | 14157883 | 28518249 | 24 Jutland Rd       | Hauraki         | 3                                           | L2           | 378                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14170209 | 28525735 | 3 Taharoto Rd       | Takapuna        | N/A                                         | L1           | 100                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 29/03/2018 | 14176467 | 28511409 | 2/11 Rangitira Ave  | Takapuna        | N/A                                         | L1           | 606                       | Fat            | 0        | No                       | No                 | Yes         |
| 30/03/2018 | 14178346 | 28511383 | 1/3 Rangitira Ave   | Takapuna        | N/A                                         | L1           | 150                       | Roots          | 8        | No                       | No                 | Yes         |
| 5/04/2018  | 14190265 | 28532071 | 16 Langstone Pl     | Chatswood       | -                                           | L3           | 82                        | Foreign Object | 0.5      | Yes                      | Yes                | Yes         |
| 5/04/2018  | 14188395 | 28534771 | 67 Old Lake Rd      | Narrow Neck     | N/A                                         | L1           | 124                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 9/04/2018  | 14196514 | 28527106 | 3/33 Francis St     | Hauraki         | N/A                                         | L1           | 549                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/04/2018 | 14218282 | 28509145 | 2 Herons Way        | Northcote       | N/A                                         | L1           | 550                       | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 20/04/2018 | 14227223 | 28511233 | 92 Monarch Ave      | Hillcrest       | N/A                                         | L1           | 568                       | Rags           | 0        | No                       | No                 | Yes         |
| 21/04/2018 | 14229025 | 28534703 | 51 Mozeley Ave      | Devonport       | N/A                                         | L1           | 475                       | Unknown        | 2        | No                       | No                 | Yes         |
| 23/04/2018 | 14233117 | 28508517 | 20 Queen St         | Northcote Point | N/A                                         | L1           | 655                       | Roots          | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14235500 | 28511424 | 3/15 Dominion St    | Takapuna        | N/A                                         | L1           | 480                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14239367 | 28516778 | 21 Speedy Cres      | Hillcrest       | N/A                                         | L1           | 124                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14241818 | 28500093 | 1/30 Alamein Ave    | Belmont         | N/A                                         | L1           | 227                       | Unknown        | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14241944 | 16271035 | 1/23 Abbotsford Tce | Devonport       | N/A                                         | L1           | 20                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14242680 | 28509141 | 22 Learmonth Ave    | Birkenhead      | N/A                                         | L1           | 564                       | Roots          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb          | Ammonia result 100m down stream | DWO Level | Duration in minutes | Cause          | Rainfall | Public Health Risk | Ecological Risk | Containment |
|------------|----------|----------|--------------------|-----------------|---------------------------------|-----------|---------------------|----------------|----------|--------------------|-----------------|-------------|
| 27/04/2018 | 14242691 | 28530436 | 72 Aramoana Ave    | Devonport       | N/A                             | L1        | 482                 | Roots          | 0        | No                 | No              | Yes         |
| 27/04/2018 | 14243306 | 28509464 | 10 Tennyson St     | Northcote Point | N/A                             | L1        | 149                 | Unknown        | 0        | No                 | No              | Yes         |
| 29/04/2018 | 14246537 | 28531797 | 1 Lytton St        | Devonport       | N/A                             | L1        | 178                 | Fat            | 1        | No                 | No              | Yes         |
| 29/04/2018 | 14246385 | 28511424 | 13 Dominion St     | Takapuna        | N/A                             | L1        | 291                 | Roots          | 1        | No                 | No              | Yes         |
| 30/04/2018 | 14248682 | 16268877 | 24 Empire Rd       | Devonport       | N/A                             | L1        | 565                 | Unknown        | 31       | No                 | No              | Yes         |
| 4/05/2018  | 14262016 | 28509509 | 9 Tennyson St      | Northcote Point | N/A                             | L1        | 167                 | Fat            | 0        | No                 | No              | Yes         |
| 4/05/2018  | 14261619 | 28526936 | 10 Esmonde Rd      | Takapuna        | N/A                             | L1        | 463                 | Unknown        | 0        | No                 | No              | Yes         |
| 6/05/2018  | 14263373 | 16271050 | 1 Patuone Ave      | Devonport       | N/A                             | L1        | 204                 | Fat            | 0.5      | No                 | No              | Yes         |
| 7/05/2018  | 14264891 | 28523760 | 1/23 Aramoana Ave  | Devonport       | N/A                             | L1        | 440                 | Roots          | 0.5      | No                 | No              | Yes         |
| 8/05/2018  | 14267974 | 28516897 | 49 Tonar St        | Northcote       | N/A                             | L1        | 469                 | Unknown        | 0        | No                 | No              | Yes         |
| 8/05/2018  | 14268130 | 28504390 | 2/21 Kitewao St    | Northcote       | N/A                             | L1        | 454                 | Rags           | 0        | No                 | No              | Yes         |
| 8/05/2018  | 14270210 | 28531881 | 16 Niccol Ave      | Narrow Neck     | N/A                             | L1        | 123                 | Unknown        | 0        | No                 | No              | Yes         |
| 14/05/2018 | 14283709 | 28500954 | 9 Creamer Ave      | Belmont         | N/A                             | L1        | 555                 | Surcharging    | 0        | No                 | No              | Yes         |
| 14/05/2018 | 14283388 | 28523760 | 1/23 Aramoana Ave  | Devonport       | N/A                             | L1        | 513                 | Fat            | 0        | No                 | No              | Yes         |
| 16/05/2018 | 14289512 | 28509493 | 8 Richmond Ave     | Northcote Point | N/A                             | L1        | 71                  | Fat            | 2.01     | No                 | No              | Yes         |
| 20/05/2018 | 14300390 | 28509265 | 5 Ernie Mays St    | Northcote       | N/A                             | L1        | 304                 | Rubbish        | 0.51     | No                 | No              | Yes         |
| 22/05/2018 | 14305213 | 28527060 | 1/76 Jutland Rd    | Hauraki         | N/A                             | L1        | 126                 | Unknown        | 9.57     | No                 | No              | Yes         |
| 24/05/2018 | 14312160 | 28530436 | 72 Aramoana Ave    | Devonport       | -                               | L2        | 501                 | Roots          | 2.51     | No                 | No              | Yes         |
| 25/05/2018 | 14314841 | 28508052 | 2/16 Glade Pl      | Birkenhead      | N/A                             | L1        | 85                  | Surcharging    | 9.07     | No                 | No              | Yes         |
| 26/05/2018 | 14317425 | 16233190 | 1/76 Jutland Rd    | Hauraki         | N/A                             | L1        | 105                 | Unknown        | 4.53     | No                 | No              | Yes         |
| 26/05/2018 | 14317466 | 28508052 | 1/16 Glade Pl      | Birkenhead      | N/A                             | L1        | 105                 | Unknown        | 4.53     | No                 | No              | Yes         |
| 28/05/2018 | 14321815 | 28512568 | 1/121 Exmouth Rd   | Northcote       | N/A                             | L1        | 86                  | Unknown        | 2.01     | No                 | No              | Yes         |
| 28/05/2018 | 14321623 | 28509287 | 69 College Rd      | Northcote       | N/A                             | L1        | 179                 | Unknown        | 2.01     | No                 | No              | Yes         |
| 29/05/2018 | 14324010 | 28532642 | 52 Taharoto Rd     | Takapuna        | N/A                             | L1        | 570                 | Unknown        | 0        | No                 | No              | Yes         |
| 29/05/2018 | 14324490 | 28530500 | 38 William Bond St | Stanley Point   | N/A                             | L1        | 246                 | Foreign Object | 0        | No                 | No              | Yes         |
| 30/05/2018 | 14325989 | 16017306 | 99 Francis St      | Hauraki         | -                               | L2        | 440                 | Foreign Object | 0        | No                 | No              | Yes         |
| 30/05/2018 | 14326240 | 28512568 | 1/121 Exmouth Rd   | Northcote       | N/A                             | L1        | 554                 | Unknown        | 0        | No                 | No              | Yes         |
| 3/06/2018  | 14335311 | 16031813 | 49 Walter St       | Hauraki         | N/A                             | L1        | 189                 | Surcharging    | 52.86    | No                 | No              | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-----------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 3/06/2018  | 14335191 | 16198486 | 10 Beach Rd           | Northcote Point | N/A                                         | L1           | 348                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335380 | 16015625 | 27-31 Greenslade Cres | Northcote       | N/A                                         | L1           | 210                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335321 | 28518810 | 60 Mcdowell Cres      | Hillcrest       | N/A                                         | L1           | 574                       | Rags        | 52.86    | No                       | No                 | Yes         |
| 5/06/2018  | 14338253 | 50068429 | 2A Handley Ave        | Narrow Neck     | N/A                                         | L1           | 74                        | Broken pipe | 4.02     | No                       | No                 | Yes         |
| 9/06/2018  | 14349688 | 28535391 | 36 Philomel Cres      | Bayswater       | N/A                                         | L1           | 257                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 9/06/2018  | 14349783 | 28500829 | 9-17 Byron Ave        | Takapuna        | N/A                                         | L1           | 194                       | Fat         | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14351694 | 10317531 | 38 William Bond St    | Stanley Point   | N/A                                         | L1           | 166                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 12/06/2018 | 14354411 | 28509509 | 9 Tennyson St         | Northcote Point | N/A                                         | L1           | 141                       | Rags        | 5.5      | No                       | No                 | Yes         |
| 12/06/2018 | 14356847 | 28511424 | 15 Dominion St        | Takapuna        | N/A                                         | L1           | 282                       | Unknown     | 5.5      | No                       | No                 | Yes         |
| 13/06/2018 | 14357700 | 28510232 | 35 Sylvan Ave         | Northcote       | N/A                                         | L1           | 160                       | Fat         | 4.5      | No                       | No                 | Yes         |
| 16/06/2018 | 14366752 | 16212799 | 79 Eban Ave           | Hillcrest       | N/A                                         | L1           | 251                       | Fat         | 1        | No                       | No                 | Yes         |
| 16/06/2018 | 14367019 | 16200742 | 10 Tui St             | Belmont         | N/A                                         | L1           | 281                       | Fat         | 1        | No                       | No                 | Yes         |
| 24/06/2018 | 14384976 | 28510836 | 9A Moore St           | Hillcrest       | N/A                                         | L1           | 126                       | Roots       | 5        | No                       | No                 | Yes         |
| 28/06/2018 | 14396253 | 28509101 | 1 Woodside Ave        | Northcote       | -                                           | L2           | 256                       | Roots       | 1        | No                       | No                 | Yes         |
| 28/06/2018 | 14397377 | 10317531 | 18 Derby St           | Devonport       | N/A                                         | L1           | 255                       | Silts       | 1        | No                       | No                 | Yes         |
| 29/06/2018 | 14400875 | 28509493 | 10 Richmond Ave       | Northcote Point | N/A                                         | L1           | 105                       | Fat         | 1.5      | No                       | No                 | Yes         |

**Table 14: Overflows in the Upper Harbour North Catchment Area**

| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 6/07/2017  | 13621911 | 28519252 | 1/36 John Jennings Dr | Oteha            | N/A                                         | L1           | 402                       | Roots            | 25.5     | No                       | No                 | Yes         |
| 8/07/2017  | 13625732 | 28536703 | 24 Graham Collins Dr  | Windsor Park     | N/A                                         | L1           | 65                        | Roots            | 6.5      | No                       | No                 | Yes         |
| 9/07/2017  | 13626293 | 28517197 | 30 Remu Pl            | Greenhithe       | N/A                                         | L1           | 96                        | Fat              | 10.5     | No                       | No                 | Yes         |
| 10/07/2017 | 13628824 | 28529327 | 3 Wynona Cl           | Albany           | N/A                                         | L1           | 204                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 11/07/2017 | 13630689 | 28501530 | 4 Hilton Cl           | Fairview Heights | N/A                                         | L1           | 293                       | Unknown          | 6        | No                       | No                 | Yes         |
| 12/07/2017 | 13633300 | 28515340 | 3 Windsor Pl          | Windsor Park     | N/A                                         | L1           | 104                       | Roots            | 7        | No                       | No                 | Yes         |
| 14/07/2017 | 13637166 | 28515339 | 3 Windsor Pl          | Windsor Park     | -                                           | L2           | 543                       | Roots            | 2        | No                       | No                 | Yes         |
| 15/07/2017 | 13638604 | 28506793 | 1/222 Albany Hwy      | Schnapper Rock   | 2                                           | L2           | 274                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640387 | 28517906 | 17 Malin Pl           | Pinehill         | N/A                                         | L1           | 484                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641208 | 28525298 | 91 Roland Rd          | Greenhithe       | N/A                                         | L1           | 299                       | Unknown          | 0        | No                       | No                 | Yes         |
| 21/07/2017 | 13650505 | 28517911 | 3 Malin Pl            | Pinehill         | N/A                                         | L1           | 121                       | Fat              | 27       | No                       | No                 | Yes         |
| 24/07/2017 | 13654452 | 28515352 | 556 East Coast Rd     | Windsor Park     | 6.0+                                        | L3           | 499                       | Rubbish          | 2.5      | Yes                      | Yes                | Yes         |
| 25/07/2017 | 13655994 | 50225034 | 42 Tawa Dr            | Albany           | -                                           | L2           | 443                       | 3rd party damage | 5.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13661383 | 28527941 | 958 East Coast Rd     | Northcross       | N/A                                         | L1           | 518                       | Fat              | 8        | No                       | No                 | Yes         |
| 5/08/2017  | 13678065 | 28524250 | 28 Devonshire Rd      | Unsworth Heights | N/A                                         | L1           | 490                       | Fat              | 0        | No                       | No                 | Yes         |
| 14/08/2017 | 13693169 | 28514911 | 696 East Coast Rd     | Pinehill         | N/A                                         | L1           | 358                       | Unknown          | 3.92     | No                       | No                 | Yes         |
| 16/08/2017 | 13697511 | 16351171 | 37 Sohlue Pl          | Oteha            | N/A                                         | L1           | 87                        | Unknown          | 0        | No                       | No                 | Yes         |
| 16/08/2017 | 13697730 | 28517207 | 12 The Close          | Greenhithe       | N/A                                         | L1           | 463                       | Roots            | 0        | No                       | No                 | Yes         |
| 19/08/2017 | 13703884 | 28514911 | 696A East Coast Rd    | Pinehill         | N/A                                         | L1           | 412                       | Roots            | 4.9      | No                       | No                 | Yes         |
| 21/08/2017 | 13706887 | 28504943 | 18 Almond Grv         | Greenhithe       | N/A                                         | L1           | 321                       | Fat              | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708491 | 28523440 | 6 Awatahi Pl          | Greenhithe       | -                                           | L2           | 495                       | Fat              | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13714959 | 28504933 | 3A Manon Cres         | Greenhithe       | N/A                                         | L1           | 568                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715334 | 28512256 | 1/556 East Coast Rd   | Windsor Park     | N/A                                         | L1           | 239                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 1/09/2017  | 13726568 | 28524931 | 16 Mercury Lane       | Windsor Park     | N/A                                         | L1           | 90                        | Roots            | 0.49     | No                       | No                 | Yes         |
| 4/09/2017  | 13730622 | 28523102 | 5 Unity Dr            | Rosedale         | 6                                           | L2           | 450                       | Unknown          | 0        | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey  | Address                   | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------------|------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 4/09/2017  | 13730010 | 28523239 | 2/12 Parkhead Pl          | Rosedale         | 6                                           | L2           | 111                       | Fat              | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730653 | 28524383 | 95 Caribbean Dr           | Unsworth Heights | N/A                                         | L1           | 143                       | Unknown          | 0        | No                       | No                 | Yes         |
| 12/09/2017 | 13746054 | 28524398 | 24 St Lucia Pl            | Unsworth Heights | 1                                           | L2           | 291                       | Fat              | 1.96     | No                       | No                 | Yes         |
| 13/09/2017 | 13748507 | 28524931 | 16 Mercury Lane           | Windsor Park     | N/A                                         | L1           | 273                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/09/2017 | 13777457 | 28523253 | 5 Armstrong Rd            | Rosedale         | 0.5                                         | L1           | 170                       | Roots            | 2        | No                       | No                 | Yes         |
| 27/09/2017 | 13777514 | 28523253 | 4/15 William Pickering Dr | Rosedale         | N/A                                         | L1           | 83                        | Roots            | 2        | No                       | No                 | Yes         |
| 15/10/2017 | 13810507 | 28523324 | 35 Outlook Rd             | Greenhithe       | -                                           | L3           | 304                       | Fat              | 0.5      | Yes                      | Yes                | Yes         |
| 19/10/2017 | 13820401 | 28517197 | 20 Remu Pl                | Greenhithe       | -                                           | L2           | 206                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/10/2017 | 13819023 | 28508593 | 96 Apollo Dr              | Rosedale         | N/A                                         | L1           | 70                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13821016 | 28501516 | 21 Fairview Ave           | Fairview Heights | -                                           | L2           | 289                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 21/10/2017 | 13823225 | 16039320 | 17 Te Hoe Grv             | Pinehill         | N/A                                         | L1           | 177                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 26/10/2017 | 13831827 | 28518525 | 35 Unsworth Dr            | Unsworth Heights | N/A                                         | L1           | 543                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/10/2017 | 13834662 | 50106084 | 39 Corinthian Dr          | Albany           | -                                           | L2           | 100                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 30/10/2017 | 13838875 | 28518328 | 25/3 The Avenue           | Albany           | 0.25                                        | L2           | 171                       | Unknown          | 1        | No                       | No                 | Yes         |
| 31/10/2017 | 13841669 | 28523055 | 19 Tenbless Crt           | Unsworth Heights | N/A                                         | L1           | 143                       | Unknown          | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13849098 | 28522989 | 49 Bronzewing Tce         | Unsworth Heights | N/A                                         | L1           | 26                        | Unknown          | 2        | No                       | No                 | Yes         |
| 6/11/2017  | 13854618 | 28517526 | 5 Coliseum Dr             | Albany           | N/A                                         | L1           | 57                        | Fat              | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861828 | 28529464 | 3 Suckling'S Lane         | Albany           | N/A                                         | L1           | 158                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13868756 | 28507549 | 492A East Coast Rd        | Windsor Park     | N/A                                         | L1           | 549                       | Unknown          | 3.5      | No                       | No                 | Yes         |
| 20/11/2017 | 13883291 | 28515389 | 2/30 Centorian Dr         | Windsor Park     | N/A                                         | L1           | 256                       | Unknown          | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13887064 | 28508590 | 105 Apollo Dr             | Rosedale         | -                                           | L2           | 419                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885163 | 28518535 | 2/33 Unsworth Dr          | Unsworth Heights | N/A                                         | L1           | 103                       | Fat              | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896705 | 28532944 | 2/6 Piermark Dr           | Rosedale         | N/A                                         | L1           | 360                       | Unknown          | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897210 | 28509068 | 18 Marae Rd               | Greenhithe       | N/A                                         | L1           | 151                       | Unknown          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13901868 | 28512689 | 492A East Coast Rd        | Windsor Park     | N/A                                         | L1           | 366                       | Fat              | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13939935 | 28515239 | 45 Centorian Dr           | Windsor Park     | N/A                                         | L1           | 128                       | Unknown          | 537      | No                       | No                 | Yes         |
| 16/12/2017 | 13949626 | 16205298 | 94 Oakway Dr              | Schnapper Rock   | N/A                                         | L1           | 174                       | Roots            | 0        | No                       | No                 | Yes         |
| 24/12/2017 | 13966893 | 28505609 | 6A Pounamu Ave            | Greenhithe       | 6                                           | L3           | 116                       | Foreign Object   | 0        | Yes                      | Yes                | Yes         |

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| Date       | SR #     | Compkey  | Address                       | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------------------|------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 30/12/2017 | 13974383 | 28514716 | 76 Barbados Dr                | Unsworth Heights | N/A                                         | L1           | 594                       | Roots            | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13994665 | 50215585 | 11 Rathmullen Pl              | Pinehill         | N/A                                         | L1           | 467                       | Unknown          | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000234 | 50223910 | Hugh Green Dr                 | Pinehill         | -                                           | L3           | 341                       | Surcharging      | 0        | Yes                      | Yes                | Yes         |
| 22/01/2018 | 14017445 | 16200505 | 11 Lomas Way                  | Albany           | N/A                                         | L1           | 243                       | Unknown          | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14022380 | 50223910 | 25 Ballyboe Pl                | Pinehill         | N/A                                         | L1           | 231                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14025856 | 28522970 | 4 Westminster Gardens         | Unsworth Heights | N/A                                         | L1           | 155                       | Fat              | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028099 | 50101294 | 29 Blacks Rd                  | Greenhithe       | N/A                                         | L1           | 268                       | Silts            | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14029702 | 28517270 | Rathmullen Pl                 | Pinehill         | N/A                                         | L1           | 423                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14059938 | 28523241 | 75 Greenhithe Rd              | Greenhithe       | N/A                                         | L1           | 177                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14059966 | 28523472 | 78A Rame Rd                   | Greenhithe       | N/A                                         | L1           | 147                       | Roots            | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14071536 | 28522277 | 25 Ballyboe Pl                | Pinehill         | N/A                                         | L1           | 232                       | Roots            | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14071574 | 10317531 | 71 Roland Rd                  | Greenhithe       | -                                           | L3           | 426                       | Broken pipe      | 0        | Yes                      | Yes                | Yes         |
| 22/02/2018 | 14088169 | 28512700 | 21- Oteha Valley Rd Extension | Albany           | N/A                                         | L1           | 534                       | Unknown          | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091032 | 28523258 | William Pickering Dr          | Rosedale         | -                                           | L3           | 530                       | Unknown          | 0        | Yes                      | Yes                | Yes         |
| 1/03/2018  | 14105414 | 16270379 | 17 Joy St                     | Albany Heights   | N/A                                         | L1           | 120                       | Broken pipe      | 1        | No                       | No                 | Yes         |
| 3/03/2018  | 14110581 | 28506553 | 2 Marae Rd                    | Greenhithe       | N/A                                         | L1           | 165                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 8/03/2018  | 14123725 | 28512700 | 21- Oteha Valley Rd Extension | Albany           | -                                           | L2           | 435                       | Unknown          | 21       | No                       | No                 | Yes         |
| 13/03/2018 | 14137375 | 28515202 | 2/590 East Coast Rd           | Pinehill         | N/A                                         | L1           | 458                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 16/03/2018 | 14145446 | 16040328 | 1 Unity Dr                    | Rosedale         | N/A                                         | L1           | 588                       | Roots            | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14161813 | 28523181 | 63 Greenhithe Rd              | Greenhithe       | -                                           | L2           | 174                       | Fat              | 3        | No                       | No                 | Yes         |
| 24/03/2018 | 14164735 | 28508405 | 17 Medallion Dr               | Oteha            | N/A                                         | L1           | 502                       | Foreign Object   | 15       | No                       | No                 | Yes         |
| 26/03/2018 | 14166931 | 28535693 | 1 Scarlet Oak Dr              | Schnapper Rock   | N/A                                         | L1           | 150                       | Roots            | 0        | No                       | No                 | Yes         |
| 26/03/2018 | 14167815 | 50206217 | 32 Para Cl                    | Fairview Heights | N/A                                         | L1           | 303                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14169556 | 16241862 | 1/79 Rosedale Rd              | Pinehill         | -                                           | L2           | 143                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 4/04/2018  | 14185812 | 28523413 | 91 Roland Rd                  | Greenhithe       | N/A                                         | L1           | 434                       | Unknown          | 1.51     | No                       | No                 | Yes         |
| 6/04/2018  | 14192475 | 28504227 | 1 May Potter Cl               | Oteha            | N/A                                         | L1           | 604                       | Fat              | 2        | No                       | No                 | Yes         |
| 7/04/2018  | 14193981 | 28523181 | 67 Greenhithe Rd              | Greenhithe       | N/A                                         | L1           | 543                       | Roots            | 1.5      | No                       | No                 | Yes         |
| 9/04/2018  | 14197220 | 28523239 | 2/12 Parkhead Pl              | Rosedale         | N/A                                         | L1           | 183                       | Rags             | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 12/04/2018 | 14207330 | 28515293 | 2/3 Whetu Pl          | Rosedale         | N/A                                         | L1           | 40                        | Fat            | 3        | No                       | No                 | Yes         |
| 18/04/2018 | 14221204 | 28517056 | 4 Birchwood Grv       | Greenhithe       | N/A                                         | L1           | 113                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 19/04/2018 | 14223601 | 28515239 | 41 Centorian Dr       | Windsor Park     | -                                           | L2           | 87                        | Roots          | 0        | No                       | No                 | Yes         |
| 19/04/2018 | 14223872 | 50107478 | 5 Mauku Lane          | Greenhithe       | N/A                                         | L1           | 141                       | Fat            | 0        | No                       | No                 | Yes         |
| 21/04/2018 | 14229088 | 28509071 | 15 Kingfisher Grv     | Greenhithe       | N/A                                         | L1           | 160                       | Roots          | 2        | No                       | No                 | Yes         |
| 22/04/2018 | 14230432 | 28523412 | 91 Roland Rd          | Greenhithe       | -                                           | L3           | 501                       | Unknown        | 1        | Yes                      | Yes                | Yes         |
| 23/04/2018 | 14233657 | 28522983 | 26 Lorieket Pl        | Unsworth Heights | N/A                                         | L1           | 140                       | Roots          | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14236810 | 28523342 | 2A Pounamu Ave        | Greenhithe       | N/A                                         | L1           | 119                       | Fat            | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14234999 | 28523639 | 15 Rahui Rd           | Greenhithe       | N/A                                         | L1           | 126                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14239310 | 28523426 | 15 Kingfisher Grv     | Greenhithe       | N/A                                         | L1           | 106                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/05/2018  | 14263459 | 28536663 | 16 Oakford Park Cres  | Greenhithe       | -                                           | L2           | 171                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 7/05/2018  | 14264778 | 28525092 | 39 William Gamble Dr  | Greenhithe       | 0                                           | L2           | 181                       | Surcharging    | 0.5      | No                       | No                 | Yes         |
| 7/05/2018  | 14266575 | 16239473 | 6 Landsberg Way       | Windsor Park     | N/A                                         | L1           | 252                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 10/05/2018 | 14275576 | 28536663 | 16 Oakford Park Cres  | Greenhithe       | 3                                           | L3           | 535                       | Roots          | 0.5      | Yes                      | Yes                | Yes         |
| 13/05/2018 | 14281795 | 28514758 | 63 Unsworth Dr        | Unsworth Heights | -                                           | L1           | 107                       | Unknown        | 14       | No                       | No                 | Yes         |
| 14/05/2018 | 14284426 | 28524184 | 10 Arrenway Dr        | Rosedale         | N/A                                         | L1           | 69                        | Rags           | 0        | No                       | No                 | Yes         |
| 26/05/2018 | 14317828 | 28515564 | 26 Canary Pl          | Unsworth Heights | N/A                                         | L1           | 291                       | Roots          | 4.53     | No                       | No                 | Yes         |
| 7/06/2018  | 14346469 | 28523111 | 224 Albany Hwy        | Albany           | N/A                                         | L1           | 64                        | Unknown        | 1.5      | No                       | No                 | Yes         |
| 10/06/2018 | 14350534 | 28523538 | 7A Churchouse Rd      | Greenhithe       | N/A                                         | L1           | 142                       | Roots          | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14352462 | 28517481 | 36 Pukatea Ave        | Albany           | N/A                                         | L1           | 501                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 12/06/2018 | 14356761 | 16239023 | 1000 East Coast Rd    | Northcross       | N/A                                         | L1           | 289                       | Roots          | 5.5      | No                       | No                 | Yes         |
| 13/06/2018 | 14358272 | 28523879 | 37 Oteha Valley Rd    | Northcross       | N/A                                         | L1           | 487                       | Roots          | 4.5      | No                       | No                 | Yes         |
| 17/06/2018 | 14367296 | 28523319 | 35 Outlook Rd         | Greenhithe       | -                                           | L2           | 530                       | Roots          | 0        | No                       | No                 | Yes         |
| 19/06/2018 | 14372011 | 28514582 | 159 Upper Harbour Hwy | Unsworth Heights | -                                           | L2           | 109                       | Fat            | 2.5      | No                       | No                 | Yes         |

**Table 15: Overflows in the Upper Harbour South Catchment Area**

| Date       | SR #     | Compkey  | Address            | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|-------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612741 | 28528953 | 1/63 Island Bay Rd | Beach Haven | N/A                                         | L1           | 77                        | Unknown          | 11       | No                       | No                 | Yes         |
| 3/07/2017  | 13614293 | 28516437 | 4 Park Rd          | Glenfield   | N/A                                         | L1           | 492                       | Unknown          | 0        | No                       | No                 | Yes         |
| 8/07/2017  | 13625631 | 28534394 | 2/32 Park Rd       | Glenfield   | N/A                                         | L1           | 182                       | Unknown          | 6.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625785 | 28503015 | 2/37 Manuka Rd     | Bayview     | N/A                                         | L1           | 486                       | Unknown          | 6.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625934 | 28501420 | 1/2 John Court St  | Birkenhead  | N/A                                         | L1           | 133                       | Silts            | 6.5      | No                       | No                 | Yes         |
| 9/07/2017  | 13626158 | 28503161 | 42A Park Rd        | Glenfield   | 0.25                                        | L2           | 263                       | Roots            | 10.5     | No                       | No                 | Yes         |
| 10/07/2017 | 13627466 | 28506288 | 69 Rosecamp Rd     | Beach Haven | -                                           | L2           | 434                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 15/07/2017 | 13638477 | 28507792 | 17 Moller St       | Beach Haven | N/A                                         | L1           | 468                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640202 | 16052382 | 21 Ridgewood Cres  | Birkenhead  | N/A                                         | L1           | 132                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641571 | 28526208 | 3/62 Rambler Cres  | Beach Haven | N/A                                         | L1           | 308                       | Roots            | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13643404 | 28503012 | 8 Elliott Ave      | Bayview     | N/A                                         | L1           | 615                       | Fat              | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13643630 | 28510576 | 75 Pemberton Ave   | Bayview     | N/A                                         | L1           | 189                       | Roots            | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13645650 | 28500667 | 30 Miraka Pl       | Birkenhead  | N/A                                         | L1           | 201                       | Unknown          | 1        | No                       | No                 | Yes         |
| 3/08/2017  | 13674600 | 28520465 | 69 Powrie St       | Glenfield   | N/A                                         | L1           | 458                       | Rubbish          | 10       | No                       | No                 | Yes         |
| 9/08/2017  | 13684230 | 28526276 | 3/62 Rambler Cres  | Beach Haven | N/A                                         | L1           | 210                       | Unknown          | 17.63    | No                       | No                 | Yes         |
| 10/08/2017 | 13686599 | 28502855 | 13 Lauderdale Rd   | Birkdale    | 0                                           | L1           | 329                       | 3rd party damage | 4.9      | No                       | No                 | Yes         |
| 12/08/2017 | 13690566 | 28502781 | Houston Pl         | Bayview     | N/A                                         | L1           | 337                       | Roots            | 0.49     | No                       | No                 | Yes         |
| 13/08/2017 | 13690974 | 28500577 | 23 Berne Pl        | Birkenhead  | N/A                                         | L1           | 503                       | Roots            | 2.94     | No                       | No                 | Yes         |
| 13/08/2017 | 13691214 | 28508767 | 40 Houston Pl      | Bayview     | N/A                                         | L1           | 220                       | Roots            | 2.94     | No                       | No                 | Yes         |
| 14/08/2017 | 13693553 | 28502855 | Lauderdale Rd      | Birkdale    | N/A                                         | L1           | 233                       | Unknown          | 3.92     | No                       | No                 | Yes         |
| 14/08/2017 | 13692141 | 28502776 | 7 Hale Cres        | Bayview     | N/A                                         | L1           | 164                       | Roots            | 3.92     | No                       | No                 | Yes         |
| 15/08/2017 | 13695633 | 28502855 | 13 Lauderdale Rd   | Birkdale    | N/A                                         | L1           | 60                        | 3rd party damage | 0.49     | No                       | No                 | Yes         |
| 15/08/2017 | 13695760 | 28503640 | 19 Waverley Ave    | Glenfield   | N/A                                         | L1           | 522                       | Fat              | 0.49     | No                       | No                 | Yes         |
| 18/08/2017 | 13702372 | 28513798 | 20 Thistledew Pl   | Bayview     | N/A                                         | L1           | 497                       | Fat              | 0.98     | No                       | No                 | Yes         |
| 18/08/2017 | 13703358 | 28529727 | 54 Stott Ave       | Birkdale    | 0.25                                        | L1           | 180                       | Fat              | 0.98     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 21/08/2017 | 13706821 | 28535604 | 9 James St          | Glenfield   | N/A                                         | L1           | 141                       | Roots          | 0        | No                       | No                 | Yes         |
| 30/08/2017 | 13723164 | 16055239 | 1/22 Rangatira Rd   | Birkenhead  | N/A                                         | L1           | 49                        | Roots          | 29.88    | No                       | No                 | Yes         |
| 31/08/2017 | 13725142 | 28529611 | 189 Birkdale Rd     | Birkdale    | N/A                                         | L1           | 536                       | Fat            | 0.49     | No                       | No                 | Yes         |
| 6/09/2017  | 13736543 | 28502776 | 7 Hale Cres         | Bayview     | N/A                                         | L1           | 117                       | Roots          | 17.15    | No                       | No                 | Yes         |
| 14/09/2017 | 13751753 | 28513553 | 18 Bonito Pl        | Bayview     | N/A                                         | L1           | 559                       | Roots          | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13754651 | 28502837 | 74 Pemberton Ave    | Bayview     | N/A                                         | L1           | 495                       | Roots          | 4.41     | No                       | No                 | Yes         |
| 18/09/2017 | 13758292 | 28518948 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 592                       | Broken pipe    | 6.86     | No                       | No                 | Yes         |
| 20/09/2017 | 13764786 | 28503694 | 46 Peach Rd         | Glenfield   | N/A                                         | L1           | 106                       | Unknown        | 0        | No                       | No                 | Yes         |
| 21/09/2017 | 13765481 | 28502776 | 7 Hale Cres         | Bayview     | N/A                                         | L1           | 300                       | Roots          | 9.36     | No                       | No                 | Yes         |
| 11/10/2017 | 13802877 | 28526311 | 1/49 Beach Haven Rd | Beach Haven | N/A                                         | L1           | 143                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 12/10/2017 | 13805828 | 28528959 | 78 Island Bay Rd    | Beach Haven | N/A                                         | L1           | 542                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 14/10/2017 | 13809756 | 28518948 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 96                        | Broken pipe    | 2.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816119 | 28500273 | 97 Roseberry Ave    | Birkenhead  | -                                           | L2           | 407                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13817604 | 28516058 | 23 Beaudine Ave     | Glenfield   | N/A                                         | L1           | 399                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13822387 | 28506245 | 27 Telstar Pl       | Beach Haven | -                                           | L2           | 242                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 23/10/2017 | 13824636 | 28503565 | 2/30 Neal Ave       | Glenfield   | N/A                                         | L1           | 105                       | Unknown        | 4        | No                       | No                 | Yes         |
| 25/10/2017 | 13830679 | 28520470 | 1/24 Contessa Dr    | Glenfield   | N/A                                         | L1           | 113                       | Roots          | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13864033 | 28529911 | 49 Radiata Lane     | Chatswood   | -                                           | L3           | 132                       | Roots          | 0        | Yes                      | Yes                | Yes         |
| 16/11/2017 | 13875278 | 28505994 | 2/78 Aeroview Dr    | Beach Haven | N/A                                         | L1           | 217                       | Unknown        | 5        | No                       | No                 | Yes         |
| 17/11/2017 | 13875656 | 28518953 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 183                       | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 19/11/2017 | 13880156 | 28518948 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 117                       | Broken pipe    | 2        | No                       | No                 | Yes         |
| 20/11/2017 | 13881707 | 28518948 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 444                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13895461 | 28518948 | 26 Park Hill Rd     | Birkenhead  | N/A                                         | L1           | 364                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 30/11/2017 | 13909132 | 28532281 | 3 Anchor Pl         | Beach Haven | N/A                                         | L1           | 189                       | Roots          | 3        | No                       | No                 | Yes         |
| 3/12/2017  | 13916150 | 16223145 | 2/42 James St       | Bayview     | N/A                                         | L1           | 439                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 11/12/2017 | 13936715 | 28505020 | 52 Kaipatiki Rd     | Glenfield   | N/A                                         | L1           | 129                       | Unknown        | 0        | No                       | No                 | Yes         |
| 18/12/2017 | 13952462 | 16273530 | 5 Jacaranda Ave     | Beach Haven | N/A                                         | L1           | 550                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 19/12/2017 | 13954998 | 28506035 | 24 Sispara Pl       | Beach Haven | N/A                                         | L1           | 528                       | Unknown        | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|----------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 23/12/2017 | 13966156 | 28513616 | 1/19 Easton Park Pde | Glenfield   | N/A                                         | L1           | 526                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/12/2017 | 13966189 | 28526348 | 161 Lancaster Rd     | Beach Haven | N/A                                         | L1           | 439                       | Roots          | 0        | No                       | No                 | Yes         |
| 2/01/2018  | 13975702 | 28529920 | 2/96 Balmain Rd      | Chatswood   | N/A                                         | L1           | 430                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13984438 | 28500265 | 2/45 Castleton St    | Birkdale    | -                                           | L2           | 86                        | Roots          | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13984058 | 28530116 | 2/7 Abbeygate St     | Birkdale    | N/A                                         | L1           | 260                       | Fat            | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13990801 | 28528812 | 32 Taurus Cres       | Beach Haven | N/A                                         | L1           | 347                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000381 | 28526256 | 1/14 Cresta Ave      | Beach Haven | N/A                                         | L1           | 113                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/01/2018 | 14009073 | 28506040 | 37 Mayall Ave        | Beach Haven | N/A                                         | L1           | 202                       | Unknown        | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14015915 | 28506040 | 37 Mayall Ave        | Beach Haven | N/A                                         | L1           | 555                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14016271 | 28530311 | 79A Balmain Rd       | Birkenhead  | N/A                                         | L1           | 282                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14016091 | 28530317 | 69B Balmain Rd       | Birkenhead  | N/A                                         | L1           | 602                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021967 | 28528554 | 1/215 Beach Haven Rd | Beach Haven | N/A                                         | L1           | 610                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14030314 | 28526363 | 117 Beach Haven Rd   | Beach Haven | N/A                                         | L1           | 508                       | Silts          | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032401 | 28513486 | 2/37 Manuka Rd       | Bayview     | N/A                                         | L1           | 147                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14048619 | 28504348 | 17 Ian Marwick Pl    | Birkenhead  | N/A                                         | L1           | 400                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14049878 | 28532784 | 2/78 Brigantine Dr   | Beach Haven | -                                           | L2           | 165                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14052319 | 28525311 | 64 Seaview Rd        | Glenfield   | N/A                                         | L1           | 424                       | Unknown        | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060663 | 28530115 | 10/17 Abbeygate St   | Birkdale    | N/A                                         | L1           | 446                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060719 | 28528692 | 1/47 Flaxdale St     | Birkdale    | N/A                                         | L1           | 270                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067014 | 28500940 | 107 Lynn Rd          | Bayview     | N/A                                         | L1           | 642                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14069787 | 28502857 | 54 Chippendale Cres  | Birkdale    | -                                           | L2           | 476                       | Roots          | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14081570 | 28529714 | Stott Ave            | Birkdale    | N/A                                         | L1           | 164                       | Unknown        | 0        | No                       | No                 | Yes         |
| 21/02/2018 | 14087001 | 28532808 | 1/41 Brigantine Dr   | Beach Haven | -                                           | L2           | 139                       | Fat            | 0        | No                       | No                 | Yes         |
| 22/02/2018 | 14088869 | 28500663 | 12 Titiwai Pl        | Birkenhead  | N/A                                         | L1           | 188                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/02/2018 | 14089161 | 28532809 | 39 Brigantine Dr     | Beach Haven | N/A                                         | L1           | 110                       | Roots          | 0        | No                       | No                 | Yes         |
| 24/02/2018 | 14093108 | 28510485 | 3/22 Arcadia Cres    | Bayview     | N/A                                         | L1           | 450                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14096303 | 28500260 | 2/45 Castleton St    | Birkdale    | N/A                                         | L1           | 456                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111135 | 28518944 | 24 Park Hill Rd      | Birkenhead  | N/A                                         | L1           | 644                       | Broken pipe    | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|-------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 9/03/2018  | 14127045 | 28503029 | 2/49A Manuka Rd      | Bayview     | N/A                                         | L1           | 425                       | Rubbish     | 3.5      | No                       | No                 | Yes         |
| 16/03/2018 | 14144309 | 28529727 | 54 Stott Ave         | Birkdale    | N/A                                         | L1           | 424                       | Fat         | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146744 | 28513478 | 1/83 Manuka Rd       | Bayview     | N/A                                         | L1           | 521                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 28/03/2018 | 14173400 | 16011906 | 46 Anne Mclean Dr    | Bayview     | 0                                           | L2           | 534                       | Surcharging | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14175693 | 16260840 | 2/35 Dakota Ave      | Beach Haven | N/A                                         | L1           | 120                       | Unknown     | 0        | No                       | No                 | Yes         |
| 2/04/2018  | 14180059 | 28529723 | 46 Stott Ave         | Birkdale    | N/A                                         | L1           | 171                       | Roots       | 0        | No                       | No                 | Yes         |
| 6/04/2018  | 14191094 | 16260839 | 2/35 Dakota Ave      | Beach Haven | N/A                                         | L1           | 165                       | Unknown     | 2        | No                       | No                 | Yes         |
| 7/04/2018  | 14194096 | 28513404 | 1/28 Simon Ellice Dr | Bayview     | N/A                                         | L1           | 657                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 20/04/2018 | 14227541 | 28528972 | 58 Island Bay Rd     | Beach Haven | N/A                                         | L1           | 652                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 29/04/2018 | 14246178 | 16212079 | 5 Camrose Pl         | Glenfield   | N/A                                         | L1           | 113                       | Fat         | 1        | No                       | No                 | Yes         |
| 4/05/2018  | 14261549 | 28529519 | 1/248 Birkdale Rd    | Birkdale    | N/A                                         | L1           | 96                        | Unknown     | 0        | No                       | No                 | Yes         |
| 9/05/2018  | 14273648 | 28532786 | 2/78 Brigantine Dr   | Beach Haven | -                                           | L3           | 143                       | Roots       | 0        | Yes                      | Yes                | Yes         |
| 16/05/2018 | 14291915 | 16260840 | 1/35 Dakota Ave      | Beach Haven | N/A                                         | L1           | 136                       | Unknown     | 2.01     | No                       | No                 | Yes         |
| 22/05/2018 | 14307760 | 28529628 | 23 Eskdale Rd        | Birkdale    | N/A                                         | L1           | 145                       | Rags        | 9.57     | No                       | No                 | Yes         |
| 26/05/2018 | 14317523 | 28510491 | 24 Waverley Ave      | Glenfield   | N/A                                         | L1           | 478                       | Rags        | 4.53     | No                       | No                 | Yes         |
| 3/06/2018  | 14335144 | 16054180 | 113 Beach Haven Rd   | Beach Haven | N/A                                         | L1           | 296                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335111 | 16056316 | 37 Rosecamp Rd       | Beach Haven | N/A                                         | L1           | 428                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335215 | 16052442 | 97 Roseberry Ave     | Birkenhead  | N/A                                         | L1           | 349                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335042 | 16013378 | 2/58 Peach Rd        | Glenfield   | N/A                                         | L1           | 140                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 3/06/2018  | 14335117 | 16057223 | 103 Roseberry Ave    | Birkenhead  | N/A                                         | L1           | 132                       | Surcharging | 52.86    | No                       | No                 | Yes         |
| 4/06/2018  | 14335764 | 50051725 | 26 Park Hill Rd      | Birkenhead  | N/A                                         | L1           | 441                       | Broken pipe | 15.11    | No                       | No                 | Yes         |
| 5/06/2018  | 14338012 | 28500260 | 2/45 Castleton St    | Birkdale    | N/A                                         | L1           | 427                       | Roots       | 4.02     | No                       | No                 | Yes         |
| 5/06/2018  | 14339298 | 10317531 | 2/25 Gazelle Ave     | Beach Haven | N/A                                         | L1           | 94                        | Surcharging | 4.02     | No                       | No                 | Yes         |
| 10/06/2018 | 14350488 | 28513303 | 91 Spinella Dr       | Bayview     | N/A                                         | L1           | 118                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/06/2018 | 14363985 | 28529620 | 25 Chippendale Cres  | Birkdale    | N/A                                         | L1           | 150                       | Unknown     | 0        | No                       | No                 | Yes         |
| 17/06/2018 | 14367305 | 28503700 | 78 Peach Rd          | Glenfield   | -                                           | L2           | 472                       | Fat         | 0        | No                       | No                 | Yes         |
| 17/06/2018 | 14367395 | 16212230 | 2/22 Tree View Ave   | Glenfield   | -                                           | L2           | 263                       | Roots       | 0        | No                       | No                 | Yes         |
| 18/06/2018 | 14370276 | 28506287 | 62 Rosecamp Rd       | Beach Haven | N/A                                         | L1           | 189                       | Rags        | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address         | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------|-------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 25/06/2018 | 14387050 | 28526251 | 2/23 Cresta Ave | Beach Haven | N/A                                         | L1           | 95                        | Unknown | 18.5     | No                       | No                 | Yes         |



**Table 16: Overflows in the Upper Harbour West Catchment Area**

| Date       | SR #     | Compkey  | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 7/08/2017  | 13681139 | 50216652 | 44 Lockheed St     | Hobsonville   | N/A                                         | L1           | 88                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 24/08/2017 | 13712463 | 10029882 | 11 Vermeer Pl      | West Harbour  | N/A                                         | L1           | 170                       | Roots            | 0.49     | No                       | No                 | Yes         |
| 28/08/2017 | 13719414 | 50216653 | 38 Lockheed St     | Hobsonville   | N/A                                         | L1           | 196                       | Fat              | 11.76    | No                       | No                 | Yes         |
| 29/08/2017 | 13720337 | 10030160 | 327 Hobsonville Rd | Hobsonville   | 2                                           | L2           | 183                       | Fat              | 0.49     | No                       | No                 | Yes         |
| 17/09/2017 | 13757019 | 10031242 | 12 Hobie Crt       | West Harbour  | N/A                                         | L1           | 578                       | Fat              | 6.37     | No                       | No                 | Yes         |
| 27/09/2017 | 13776714 | 10053681 | 46 Cherub Pl       | West Harbour  | N/A                                         | L1           | 91                        | Roots            | 2        | No                       | No                 | Yes         |
| 8/10/2017  | 13796853 | 10029837 | 3C Picasso Dr      | West Harbour  | N/A                                         | L1           | 150                       | Unknown          | 18.5     | No                       | No                 | Yes         |
| 10/10/2017 | 13801262 | 10044833 | 9 Duncan Rise      | Herald Island | N/A                                         | L1           | 118                       | Roots            | 0.94     | No                       | No                 | Yes         |
| 19/10/2017 | 13819627 | 50217067 | 38 Lockheed St     | Hobsonville   | N/A                                         | L1           | 450                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 26/10/2017 | 13831780 | 10026576 | 115 Hobsonville Rd | West Harbour  | N/A                                         | L1           | 141                       | Roots            | 0        | No                       | No                 | Yes         |
| 26/10/2017 | 13831871 | 10029754 | 16 Marguerita Pl   | West Harbour  | N/A                                         | L1           | 33                        | Roots            | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13850112 | 10029995 | 52 Westpark Dr     | West Harbour  | N/A                                         | L1           | 177                       | Fat              | 2        | No                       | No                 | Yes         |
| 12/11/2017 | 13863869 | 10048615 | 10 Glucina Ave     | West Harbour  | N/A                                         | L1           | 266                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13946202 | 10030246 | 44 Cherub Pl       | West Harbour  | N/A                                         | L1           | 138                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 17/12/2017 | 13950336 | 10031226 | 66 Marina View Dr  | West Harbour  | N/A                                         | L1           | 99                        | Fat              | 5        | No                       | No                 | Yes         |
| 27/01/2018 | 14031754 | 10030037 | 43 Whiting Grv     | West Harbour  | N/A                                         | L1           | 595                       | Roots            | 0        | No                       | No                 | Yes         |
| 8/03/2018  | 14124879 | 50213687 | 58 Bomb Point Dr   | Hobsonville   | N/A                                         | L1           | 394                       | Fat              | 21       | No                       | No                 | Yes         |
| 25/03/2018 | 14165567 | 50294930 | 20 Greenfinch Rd   | Hobsonville   | N/A                                         | L1           | 114                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 28/03/2018 | 14172695 | 10044801 | 3 Twin Wharf Rd    | Herald Island | N/A                                         | L1           | 227                       | Roots            | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14275768 | 10008451 | 15 Lagoon Way      | West Harbour  | N/A                                         | L1           | 192                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 27/05/2018 | 14318681 | 10029748 | 4/18 Williams Rd   | Hobsonville   | 0                                           | L2           | 559                       | Unknown          | 12.08    | No                       | No                 | Yes         |
| 30/05/2018 | 14327050 | 50459285 | Craigs Way         | Hobsonville   | N/A                                         | L1           | 752                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 31/05/2018 | 14329683 | 50213375 | 1 Shelduck Way     | Hobsonville   | N/A                                         | L1           | 136                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 15/06/2018 | 14364598 | 50262867 | 34 Rangihina Rd    | Hobsonville   | N/A                                         | L1           | 401                       | 3rd party damage | 0.6      | No                       | No                 | Yes         |
| 16/06/2018 | 14366574 | 50155402 | 22 Teal Way        | Hobsonville   | N/A                                         | L1           | 604                       | Rubbish          | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address         | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------|--------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 24/06/2018 | 14384957 | 10029770 | 7 Picasso Dr    | West Harbour | N/A                                         | L1           | 68                        | Fat     | 5        | No                       | No                 | Yes         |
| 30/06/2018 | 14402068 | 10008498 | 1 Belleaire Crt | West Harbour | N/A                                         | L1           | 394                       | Unknown | 0.5      | No                       | No                 | Yes         |

**Table 17: Overflows in the Henderson Creek Catchment Area**

| Date       | SR #     | Compkey  | Address             | Suburb             | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|--------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612268 | 10088059 | 36 Ruze Vida Dr     | Massey             | N/A                                         | L1           | 57                        | Unknown        | 11       | No                       | No                 | Yes         |
| 2/07/2017  | 13612316 | 10040037 | 2/14 Claridge St    | Glen Eden          | N/A                                         | L1           | 594                       | Rubbish        | 11       | No                       | No                 | Yes         |
| 3/07/2017  | 13615339 | 10039928 | 7 Surman Pl         | Glen Eden          | N/A                                         | L1           | 132                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13614433 | 10039389 | 25 Selak Pl         | Glen Eden          | N/A                                         | L1           | 359                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13614442 | 10016948 | 35 Coburg St        | Henderson          | N/A                                         | L1           | 641                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13617565 | 10027230 | 7 San Pedro Pl      | Henderson          | N/A                                         | L1           | 162                       | Broken Pipe    | 0.5      | No                       | No                 | Yes         |
| 5/07/2017  | 13620430 | 10039929 | 7 Surman Pl         | Glen Eden          | N/A                                         | L1           | 224                       | Unknown        | 7.5      | No                       | No                 | Yes         |
| 6/07/2017  | 13621900 | 10029505 | 16 Backhurst Grv    | Massey             | 0.25                                        | L2           | 517                       | Fat            | 25.5     | No                       | No                 | Yes         |
| 7/07/2017  | 13624416 | 10038919 | 1/17 Chislehurst St | Henderson          | N/A                                         | L1           | 55                        | Unknown        | 2        | No                       | No                 | Yes         |
| 7/07/2017  | 13624884 | 10036705 | 3/78 Glengarry Rd   | Glen Eden          | N/A                                         | L1           | 359                       | Unknown        | 2        | No                       | No                 | Yes         |
| 9/07/2017  | 13626203 | 10042450 | 35 Beach Rd         | Te Atatu Peninsula | N/A                                         | L1           | 159                       | Unknown        | 10.5     | No                       | No                 | Yes         |
| 11/07/2017 | 13630318 | 10047933 | 11 Blethyn Pl       | Te Atatu South     | N/A                                         | L1           | 384                       | Foreign Object | 6        | No                       | No                 | Yes         |
| 11/07/2017 | 13631247 | 15067981 | 11 Sheehan Rd       | Te Atatu South     | N/A                                         | L1           | 390                       | Unknown        | 6        | No                       | No                 | Yes         |
| 13/07/2017 | 13635430 | 10043001 | 34 Lowtherhurst Rd  | Massey             | N/A                                         | L1           | 110                       | Unknown        | 10       | No                       | No                 | Yes         |
| 13/07/2017 | 13635756 | 10030498 | 11 Sheehan Rd       | Te Atatu South     | N/A                                         | L1           | 218                       | Surcharging    | 10       | No                       | No                 | Yes         |
| 14/07/2017 | 13637056 | 10039752 | 9 Pankhurst Pl      | Sunnyvale          | N/A                                         | L1           | 344                       | Fat            | 2        | No                       | No                 | Yes         |
| 15/07/2017 | 13638405 | 10030496 | 1/11 Sheehan Rd     | Te Atatu South     | 6                                           | L2           | 329                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13639072 | 10072923 | 3 Beach Rd          | Te Atatu Peninsula | N/A                                         | L1           | 178                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13639217 | 10080753 | 42 Elizabeth Dr     | West Harbour       | N/A                                         | L1           | 153                       | Roots          | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13646219 | 10320571 | 31 Blueridge Cl     | Sunnyvale          | N/A                                         | L1           | 178                       | Unknown        | 1        | No                       | No                 | Yes         |
| 20/07/2017 | 13649507 | 10037872 | 123 Konini Rd       | Titirangi          | N/A                                         | L1           | 555                       | Fat            | 24       | No                       | No                 | Yes         |
| 21/07/2017 | 13650952 | 10016330 | 16 Kopiko Rd        | Titirangi          | N/A                                         | L1           | 622                       | Surcharging    | 27       | No                       | No                 | Yes         |
| 21/07/2017 | 13650553 | 10324991 | 8 Tolich Pl         | Henderson          | N/A                                         | L1           | 498                       | Rubbish        | 27       | No                       | No                 | Yes         |
| 24/07/2017 | 13654243 | 10040749 | 1 Graven Crt        | Henderson          | N/A                                         | L1           | 195                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 25/07/2017 | 13656129 | 10087755 | 25 Waimanu Bay Dr   | Te Atatu Peninsula | N/A                                         | L1           | 361                       | Broken pipe    | 5.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address             | Suburb             | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|--------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 25/07/2017 | 13656634 | 10017728 | 54 Borich Rd        | Sunnyvale          | -                                           | L2           | 249                       | Unknown        | 5.5      | No                       | No                 | Yes         |
| 26/07/2017 | 13658193 | 10371455 | Glen Rd             | Ranui              | N/A                                         | L1           | 140                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13662001 | 10442839 | 8 Tolich Pl         | Henderson          | N/A                                         | L1           | 100                       | Rubbish        | 8        | No                       | No                 | Yes         |
| 28/07/2017 | 13663988 | 10047094 | 1 Parklands Ave     | Swanson            | 1                                           | L2           | 475                       | Roots          | 5.5      | No                       | No                 | Yes         |
| 29/07/2017 | 13665448 | 10021438 | 134 Triangle Rd     | Massey             | N/A                                         | L1           | 77                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 29/07/2017 | 13665464 | 10048117 | 90 Buscomb Ave      | Henderson          | 1.5                                         | L2           | 300                       | Roots          | 0        | No                       | No                 | Yes         |
| 30/07/2017 | 13665717 | 10048117 | 90 Buscomb Ave      | Henderson          | 1.5                                         | L2           | 173                       | Roots          | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13671687 | 10068327 | 2/78 Borich Rd      | Sunnyvale          | N/A                                         | L1           | 69                        | Unknown        | 10.5     | No                       | No                 | Yes         |
| 5/08/2017  | 13677942 | 10046402 | 18 Glenfinn Pl      | Massey             | N/A                                         | L1           | 491                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13680837 | 10043694 | 186 Universal Dr    | Henderson          | N/A                                         | L1           | 122                       | Roots          | 0        | No                       | No                 | Yes         |
| 9/08/2017  | 13684584 | 10071801 | 1/31 Ti Nana Cres   | Henderson          | N/A                                         | L1           | 141                       | Unknown        | 17.63    | No                       | No                 | Yes         |
| 12/08/2017 | 13690603 | 10039577 | 17 James Laurie St  | Henderson          | N/A                                         | L1           | 333                       | Broken Pipe    | 0.49     | No                       | No                 | Yes         |
| 12/08/2017 | 13690756 | 10079312 | 6 Glenvil Lane      | Te Atatu Peninsula | N/A                                         | L1           | 122                       | Broken pipe    | 0.49     | No                       | No                 | Yes         |
| 13/08/2017 | 13691131 | 10046310 | 414 Don Buck Rd     | Massey             | N/A                                         | L1           | 434                       | Fat            | 2.94     | No                       | No                 | Yes         |
| 14/08/2017 | 13693828 | 10039443 | 1/14 Ribblesdale Rd | Henderson          | N/A                                         | L1           | 178                       | Unknown        | 3.92     | No                       | No                 | Yes         |
| 15/08/2017 | 13696600 | 10044526 | 19A Kotuku St       | Te Atatu Peninsula | N/A                                         | L1           | 287                       | Fat            | 0.49     | No                       | No                 | Yes         |
| 16/08/2017 | 13698534 | 10019590 | 39 Palomino Dr      | Henderson          | N/A                                         | L1           | 365                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/08/2017 | 13697747 | 10041855 | 3/132 Edmonton Rd   | Te Atatu South     | N/A                                         | L1           | 535                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/08/2017 | 13701274 | 10029223 | 16 Backhurst Grv    | Massey             | N/A                                         | L1           | 165                       | Unknown        | 2.45     | No                       | No                 | Yes         |
| 18/08/2017 | 13703345 | 10046328 | 35D Mcclintock Rd   | Massey             | -                                           | L2           | 80                        | Broken Pipe    | 0.98     | No                       | No                 | Yes         |
| 22/08/2017 | 13708815 | 10040706 | 114 Sturges Rd      | Henderson          | N/A                                         | L1           | 185                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13709998 | 10325554 | 51- Flanshaw Rd     | Te Atatu South     | N/A                                         | L1           | 180                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13710008 | 10039996 | 41A Woodglen Rd     | Glen Eden          | N/A                                         | L1           | 141                       | Broken Pipe    | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715385 | 10039995 | 41A Woodglen Rd     | Glen Eden          | N/A                                         | L1           | 91                        | Fat            | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715835 | 11007240 | 35 Ranui Ave        | Ranui              | N/A                                         | L1           | 316                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/08/2017 | 13716215 | 10042733 | 21 Vina Pl          | Massey             | N/A                                         | L1           | 177                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 27/08/2017 | 13717092 | 10042733 | 21 Vina Pl          | Massey             | N/A                                         | L1           | 325                       | Foreign Object | 13.72    | No                       | No                 | Yes         |
| 27/08/2017 | 13716765 | 10039990 | 342 West Coast Rd   | Glen Eden          | 6+                                          | L3           | 165                       | Foreign Object | 13.72    | Yes                      | Yes                | Yes         |

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|------------|----------|----------|----------------------|--------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 27/08/2017 | 13716955 | 10007858 | 20 Spargo Rd         | Massey             | N/A                                         | L1           | 100                       | Roots          | 13.72    | No                       | No                 | Yes         |
| 29/08/2017 | 13721432 | 10047421 | 57C Hetherington Rd  | Ranui              | N/A                                         | L1           | 399                       | Rubbish        | 0.49     | No                       | No                 | Yes         |
| 30/08/2017 | 13723585 | 10079045 | 125 Flanshaw Rd      | Te Atatu South     | N/A                                         | L1           | 126                       | Unknown        | 29.88    | No                       | No                 | Yes         |
| 31/08/2017 | 13724508 | 10046425 | 27 Garton Dr         | Massey             | 0.5                                         | L2           | 189                       | Unknown        | 0.49     | No                       | No                 | Yes         |
| 3/09/2017  | 13729484 | 10048231 | 94 Vodanovich Rd     | Te Atatu South     | N/A                                         | L1           | 127                       | Unknown        | 0.49     | No                       | No                 | Yes         |
| 3/09/2017  | 13729587 | 10030366 | 1/43 Miltonia Ave    | Te Atatu South     | N/A                                         | L1           | 434                       | Roots          | 0.49     | No                       | No                 | Yes         |
| 4/09/2017  | 13731307 | 50083737 | 21C Ribblesdale Rd   | Henderson          | N/A                                         | L1           | 345                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13729937 | 10037458 | 39 Meadowvale Rise   | Titirangi          | -                                           | L2           | 158                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/09/2017  | 13737864 | 10041935 | 228 Edmonton Rd      | Te Atatu South     | N/A                                         | L1           | 296                       | Broken pipe    | 3.92     | No                       | No                 | Yes         |
| 13/09/2017 | 13749232 | 10044417 | 2/72 Flanshaw Rd     | Te Atatu South     | N/A                                         | L1           | 477                       | Roots          | 0        | No                       | No                 | Yes         |
| 13/09/2017 | 13749654 | 10044205 | 11A Kervil Ave       | Te Atatu Peninsula | N/A                                         | L1           | 533                       | Unknown        | 0        | No                       | No                 | Yes         |
| 14/09/2017 | 13751191 | 10443093 | 48 Danica Esp        | Te Atatu Peninsula | N/A                                         | L1           | 95                        | Roots          | 0        | No                       | No                 | Yes         |
| 14/09/2017 | 13752101 | 10042679 | 2/10 Jarrah Pl       | Massey             | N/A                                         | L1           | 474                       | Fat            | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13754512 | 10243712 | 1/40 Millbrook Rd    | Henderson          | N/A                                         | L1           | 36                        | Surcharging    | 4.41     | No                       | No                 | Yes         |
| 16/09/2017 | 13756731 | 10042776 | 8 Dovey Pl           | Massey             | N/A                                         | L1           | 283                       | Roots          | 0.98     | No                       | No                 | Yes         |
| 17/09/2017 | 13757045 | 10029228 | 20 Queen Natalie Pl  | Massey             | N/A                                         | L1           | 637                       | Roots          | 6.37     | No                       | No                 | Yes         |
| 20/09/2017 | 13763014 | 10038766 | 38 Millbrook Rd      | Henderson          | 0                                           | L2           | 230                       | Roots          | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13764174 | 10036659 | 88 Rosier Rd         | Glen Eden          | N/A                                         | L1           | 206                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13764498 | 10038058 | 72A Woodfern Cres    | Titirangi          | N/A                                         | L1           | 91                        | Fat            | 0        | No                       | No                 | Yes         |
| 21/09/2017 | 13765834 | 10040256 | 36 Larnoch Rd        | Henderson          | N/A                                         | L1           | 144                       | Unknown        | 9.36     | No                       | No                 | Yes         |
| 21/09/2017 | 13766547 | 10043650 | 167 Rathgar Rd       | Henderson          | N/A                                         | L1           | 229                       | Broken Pipe    | 9.36     | No                       | No                 | Yes         |
| 21/09/2017 | 13766932 | 10040411 | 12 Fairdene Ave      | Henderson          | N/A                                         | L1           | 215                       | Unknown        | 9.36     | No                       | No                 | Yes         |
| 22/09/2017 | 13768803 | 10041302 | 411 Great North Rd   | Henderson          | N/A                                         | L1           | 194                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 25/09/2017 | 13771968 | 10042903 | 83 Colwill Rd        | Massey             | N/A                                         | L1           | 481                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772874 | 50160229 | 80 Sungrove Rise     | Sunnyvale          | N/A                                         | L1           | 528                       | Unknown        | 0        | No                       | No                 | Yes         |
| 27/09/2017 | 13776495 | 10030496 | 1/11 Sheehan Rd      | Te Atatu South     | 4 to 5                                      | L2           | 55                        | Roots          | 2        | No                       | No                 | Yes         |
| 28/09/2017 | 13780149 | 10325475 | 14A Captain Scott Rd | Glen Eden          | N/A                                         | L1           | 324                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 28/09/2017 | 13779976 | 10018255 | 5/44 Sunnyside Rd    | Sunnyvale          | N/A                                         | L1           | 424                       | Fat            | 0.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb             | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|--------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 29/09/2017 | 13782809 | 10043650 | 167 Rathgar Rd       | Henderson          | N/A                                         | L1           | 258                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 29/09/2017 | 13782849 | 10037096 | 1/110 Glendale Rd    | Glen Eden          | N/A                                         | L1           | 242                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 2/10/2017  | 13785405 | 10422939 | 81 Babich Rd-N       | Ranui              | N/A                                         | L1           | 454                       | Unknown          | 8        | No                       | No                 | Yes         |
| 4/10/2017  | 13789650 | 10018990 | 106 Swanson Rd       | Henderson          | N/A                                         | L1           | 115                       | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13791240 | 10043651 | 179 Rathgar Rd       | Henderson          | N/A                                         | L1           | 214                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 6/10/2017  | 13794898 | 11031022 | 40 Glendale Rd       | Glen Eden          | 1                                           | L2           | 315                       | Broken Pipe      | 1        | No                       | No                 | Yes         |
| 11/10/2017 | 13803511 | 10039217 | 498 West Coast Rd    | Oratia             | N/A                                         | L1           | 618                       | Roots            | 1.5      | No                       | No                 | Yes         |
| 11/10/2017 | 13804120 | 10050067 | 2/25 Charlenne Cl    | Ranui              | N/A                                         | L1           | 206                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 12/10/2017 | 13805373 | 10079045 | 125 Flanshaw Rd      | Te Atatu South     | N/A                                         | L1           | 154                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 14/10/2017 | 13809735 | 10018213 | 27 Mckinley Rd       | Sunnyvale          | N/A                                         | L1           | 621                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 17/10/2017 | 13815511 | 10017574 | 5 Solea Rd           | Sunnyvale          | N/A                                         | L1           | 502                       | Fat              | 1        | No                       | No                 | Yes         |
| 20/10/2017 | 13822493 | 10048109 | 184 Railside Ave     | Henderson          | 5                                           | L2           | 157                       | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13826486 | 10017357 | 184 Railside Ave     | Henderson          | 0.25                                        | L2           | 129                       | Foreign Object   | 2.5      | No                       | No                 | Yes         |
| 25/10/2017 | 13828040 | 10036741 | 10 Shetland St       | Glen Eden          | N/A                                         | L1           | 142                       | Roots            | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13829866 | 15104737 | 2 Candia Rd          | Swanson            | N/A                                         | L1           | 112                       | Unknown          | 0        | No                       | No                 | Yes         |
| 29/10/2017 | 13836421 | 10038888 | 2/9 Dalmatia Pl      | Henderson          | N/A                                         | L1           | 202                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/10/2017 | 13836062 | 10037630 | 185 Konini Rd        | Titirangi          | 0.25                                        | L2           | 246                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/10/2017 | 13836885 | 10017653 | 33 Borich Rd         | Sunnyvale          | N/A                                         | L1           | 155                       | Roots            | 1        | No                       | No                 | Yes         |
| 2/11/2017  | 13847150 | 10030927 | 3 Fernhaven Pl       | Massey             | N/A                                         | L1           | 228                       | Foreign Object   | 1        | No                       | No                 | Yes         |
| 2/11/2017  | 13846404 | 10040702 | 2/59 Buscomb Ave     | Henderson          | N/A                                         | L1           | 168                       | Broken pipe      | 1        | No                       | No                 | Yes         |
| 2/11/2017  | 13847146 | 10038801 | 166 Railside Ave     | Henderson          | N/A                                         | L1           | 37                        | Unknown          | 1        | No                       | No                 | Yes         |
| 9/11/2017  | 13861131 | 10043332 | 59 Don Buck Rd       | Massey             | N/A                                         | L1           | 240                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13861108 | 10044445 | 32 Sherwood Ave      | Te Atatu South     | N/A                                         | L1           | 153                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862703 | 10042760 | 76 Cedar Heights Ave | Massey             | N/A                                         | L1           | 291                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862053 | 10043619 | 50 Kingdale Rd       | Henderson          | N/A                                         | L1           | 549                       | Unknown          | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861468 | 10038656 | 1/28 Posa Ave        | Henderson          | N/A                                         | L1           | 133                       | Unknown          | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862674 | 10031015 | 1/14 Lowtherhurst Rd | Massey             | N/A                                         | L1           | 288                       | Roots            | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863309 | 10049034 | 1/3 Bosun Pl         | Te Atatu Peninsula | N/A                                         | L1           | 508                       | Unknown          | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|-------------------|--------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 12/11/2017 | 13864070 | 10370954 | 27 Quincey Pl     | Massey             | N/A                                         | L1           | 76                        | Fat         | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13863731 | 10040144 | 302 Swanson Rd    | Henderson          | 6                                           | L2           | 259                       | Fat         | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13867642 | 10042679 | 2/12 Jarrah Pl    | Massey             | N/A                                         | L1           | 148                       | Fat         | 3.5      | No                       | No                 | Yes         |
| 14/11/2017 | 13868023 | 10041160 | 59 Vintage Dr     | Henderson          | N/A                                         | L1           | 159                       | Fat         | 3.5      | No                       | No                 | Yes         |
| 15/11/2017 | 13871572 | 10044156 | 7 Thomas Ave      | Te Atatu Peninsula | N/A                                         | L1           | 528                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 16/11/2017 | 13872988 | 10041586 | 36 Vodanovich Rd  | Te Atatu South     | N/A                                         | L1           | 172                       | Unknown     | 5        | No                       | No                 | Yes         |
| 16/11/2017 | 13874077 | 10039521 | 25 Waitaki St     | Henderson          | N/A                                         | L1           | 156                       | Unknown     | 5        | No                       | No                 | Yes         |
| 17/11/2017 | 13876741 | 10043332 | 59 Don Buck Rd    | Massey             | N/A                                         | L1           | 482                       | Broken pipe | 0.5      | No                       | No                 | Yes         |
| 17/11/2017 | 13878105 | 10046580 | 12 Gallony Ave    | Massey             | N/A                                         | L1           | 122                       | Fat         | 0.5      | No                       | No                 | Yes         |
| 18/11/2017 | 13878957 | 10047961 | 70 Glendale Rd    | Glen Eden          | 0.25                                        | L2           | 4                         | Unknown     | 11.5     | No                       | No                 | Yes         |
| 19/11/2017 | 13880886 | 10043118 | 2/8 Helena St     | Massey             | N/A                                         | L1           | 160                       | Fat         | 2        | No                       | No                 | Yes         |
| 20/11/2017 | 13884045 | 10049713 | Onemana Way       | Te Atatu Peninsula | N/A                                         | L1           | 432                       | Unknown     | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885900 | 10038483 | 32 Border Rd      | Henderson          | N/A                                         | L1           | 126                       | Fat         | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13890811 | 15107259 | 82 Triangle Rd    | Massey             | N/A                                         | L1           | 40                        | Fat         | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13888957 | 10045792 | 10 Lorena Pl      | West Harbour       | N/A                                         | L1           | 351                       | Fat         | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13893845 | 10045660 | 8 Rena Pl         | West Harbour       | N/A                                         | L1           | 198                       | Fat         | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896449 | 10049249 | 1/136 Triangle Rd | Massey             | N/A                                         | L1           | 307                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897198 | 10040655 | 22 Buscomb Ave    | Henderson          | N/A                                         | L1           | 159                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897510 | 10043201 | 38 Sunline Ave    | Massey             | N/A                                         | L1           | 159                       | Roots       | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900421 | 10047469 | 73 Simpson Rd     | Ranui              | N/A                                         | L1           | 407                       | Unknown     | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13903138 | 10040730 | 23 Semillon Ave   | Henderson          | 0.5                                         | L2           | 72                        | Unknown     | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13904258 | 10015613 | 1/93 Glendale Rd  | Glen Eden          | N/A                                         | L1           | 723                       | Broken Pipe | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13906345 | 10043569 | 1/295 Lincoln Rd  | Henderson          | N/A                                         | L1           | 82                        | Fat         | 12.5     | No                       | No                 | Yes         |
| 30/11/2017 | 13909577 | 10037166 | 57 Terra Nova St  | Glen Eden          | N/A                                         | L1           | 165                       | Roots       | 3        | No                       | No                 | Yes         |
| 1/12/2017  | 13912532 | 10075149 | 1/136 Triangle Rd | Massey             | N/A                                         | L1           | 100                       | Unknown     | 0        | No                       | No                 | Yes         |
| 1/12/2017  | 13912903 | 10018989 | 110 Swanson Rd    | Henderson          | N/A                                         | L1           | 526                       | Unknown     | 0        | No                       | No                 | Yes         |
| 7/12/2017  | 13927847 | 10046707 | 230 Don Buck Rd   | Massey             | N/A                                         | L1           | 486                       | Roots       | 0        | No                       | No                 | Yes         |
| 8/12/2017  | 13931455 | 10022029 | 59 Don Buck Rd    | Massey             | N/A                                         | L1           | 144                       | Broken pipe | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|--------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 9/12/2017  | 13932502 | 10037325 | 18 Withers Rd       | Glen Eden          | N/A                                         | L1           | 186                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 10/12/2017 | 13932863 | 10034221 | 310A West Coast Rd  | Glen Eden          | N/A                                         | L1           | 459                       | Broken pipe    | 1.5      | No                       | No                 | Yes         |
| 21/12/2017 | 13961265 | 10044158 | 12 Thomas Ave       | Te Atatu Peninsula | N/A                                         | L1           | 123                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 22/12/2017 | 13965414 | 15089167 | 44 Chamberlain Rd   | Massey             | 6                                           | L3           | 207                       | Fat            | 1.5      | Yes                      | Yes                | Yes         |
| 23/12/2017 | 13966093 | 10037349 | 2/5A Konini Rd      | Titirangi          | N/A                                         | L1           | 232                       | Fat            | 0        | No                       | No                 | Yes         |
| 27/12/2017 | 13969579 | 10038492 | 2/73 Tabitha Cres   | Henderson          | N/A                                         | L1           | 260                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 28/12/2017 | 13971393 | 10017038 | 1/65 Tabitha Cres   | Henderson          | N/A                                         | L1           | 516                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 1/01/2018  | 13975242 | 10015529 | 8 John F Kennedy Pl | Glen Eden          | 1                                           | L2           | 730                       | Fat            | 0        | No                       | No                 | Yes         |
| 2/01/2018  | 13975774 | 10040655 | 24 Buscomb Ave      | Henderson          | 2                                           | L2           | 507                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977487 | 10043154 | Sunline Ave         | Massey             | -                                           | L2           | 567                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977815 | 10070436 | 14 Rosier Rd        | Glen Eden          | N/A                                         | L1           | 229                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13981712 | 10040844 | 40 Fitzwater Pl     | Henderson          | N/A                                         | L1           | 426                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13982358 | 10042384 | 2- Edsel St         | Henderson          | N/A                                         | L1           | 374                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13983795 | 10066653 | 163 Atkinson Rd     | Titirangi          | N/A                                         | L1           | 187                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13984242 | 10046501 | 21 Triangle Rd      | Massey             | N/A                                         | L1           | 328                       | Roots          | 0        | No                       | No                 | Yes         |
| 7/01/2018  | 13984802 | 10046500 | 21 Triangle Rd      | Massey             | N/A                                         | L1           | 375                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13985829 | 10044649 | 29 Royal View Rd    | Te Atatu South     | N/A                                         | L1           | 592                       | Unknown        | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13990185 | 10021189 | 9 Lori Pl           | Massey             | N/A                                         | L1           | 222                       | Fat            | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000291 | 10046494 | 46 Triangle Rd      | Massey             | N/A                                         | L1           | 291                       | Fat            | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000397 | 10034182 | 3B Ambler Ave       | Glen Eden          | 6                                           | L3           | 88                        | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 15/01/2018 | 14000751 | 10017667 | 13 Applewood Dr     | Henderson          | N/A                                         | L1           | 404                       | Roots          | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14001390 | 10044695 | 49 Royal View Rd    | Te Atatu South     | N/A                                         | L1           | 548                       | Unknown        | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14015997 | 11032151 | 30 Barnea Cir       | Glen Eden          | N/A                                         | L1           | 577                       | Unknown        | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14015864 | 10037238 | 29 Terra Nova St    | Glen Eden          | N/A                                         | L1           | 459                       | Roots          | 0        | No                       | No                 | Yes         |
| 21/01/2018 | 14017000 | 10067345 | 7 Spode Pl          | Henderson          | N/A                                         | L1           | 137                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14019346 | 10045466 | 5 Vina Pl           | Massey             | N/A                                         | L1           | 302                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14022128 | 10046283 | 2 Royal Rd          | Massey             | N/A                                         | L1           | 120                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14022618 | 10042695 | 144 Triangle Rd     | Massey             | N/A                                         | L1           | 127                       | Unknown        | 0        | No                       | No                 | Yes         |



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|------------|----------|----------|--------------------------|--------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 24/01/2018 | 14023669 | 10039305 | 16 Seakens Way           | Glen Eden          | N/A                                         | L1           | 142                       | Unknown     | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14025596 | 10034310 | 62 Glenmall Pl           | Glen Eden          | N/A                                         | L1           | 304                       | Fat         | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14025599 | 10047322 | 1/558 Swanson Rd         | Ranui              | N/A                                         | L1           | 309                       | Roots       | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028687 | 10039434 | 72A View Rd              | Henderson          | N/A                                         | L1           | 140                       | Unknown     | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14029328 | 10026110 | 1/562 Swanson Rd         | Ranui              | N/A                                         | L1           | 488                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032567 | 11027008 | 61 Rangeview Rd          | Sunnyvale          | N/A                                         | L1           | 85                        | Roots       | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14036228 | 10037856 | 102 Scenic Dr            | Titirangi          | N/A                                         | L1           | 452                       | Unknown     | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038608 | 10045975 | 1 Rewarewa Rd            | Te Atatu Peninsula | N/A                                         | L1           | 507                       | Rags        | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14042631 | 10040006 | 79E Woodglen Rd          | Glen Eden          | 1                                           | L2           | 283                       | Unknown     | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14045413 | 10050024 | 11 Derwent Cres          | Titirangi          | 0.5                                         | L2           | 419                       | Unknown     | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14046261 | 10016951 | 9 Waitoro Lane           | Henderson          | N/A                                         | L1           | 304                       | Surcharging | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14046222 | 10024179 | 78 Royal Rd              | Massey             | N/A                                         | L1           | 366                       | Surcharging | 0        | No                       | No                 | Yes         |
| 4/02/2018  | 14046764 | 15040106 | 153 Don Buck Rd          | Massey             | N/A                                         | L1           | 171                       | Surcharging | 0        | No                       | No                 | Yes         |
| 4/02/2018  | 14046735 | 10453268 | 331- West Coast Rd       | Glen Eden          | 1                                           | L2           | 308                       | Roots       | 0        | No                       | No                 | Yes         |
| 4/02/2018  | 14046454 | 10038512 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 200                       | Surcharging | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14049650 | 10045407 | 78 Royal Rd              | Massey             | N/A                                         | L1           | 254                       | Unknown     | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14049740 | 10016651 | 2/83 Daffodil St         | Titirangi          | N/A                                         | L1           | 108                       | Roots       | 0        | No                       | No                 | Yes         |
| 6/02/2018  | 14050813 | 10045050 | 6 Fitzherbert Ave        | West Harbour       | N/A                                         | L1           | 232                       | Fat         | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14056282 | 10047241 | 127 Pooks Rd             | Ranui              | N/A                                         | L1           | 192                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14056682 | 10037232 | 112- Glendale Rd         | Glen Eden          | 3                                           | L2           | 270                       | Unknown     | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14060017 | 11032119 | 30 Bamea Cir             | Glen Eden          | N/A                                         | L1           | 153                       | Unknown     | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060713 | 10045407 | 78 Royal Rd              | Massey             | N/A                                         | L1           | 360                       | Unknown     | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14061165 | 10007368 | 85 Luke St               | Otahuhu            | N/A                                         | L1           | 561                       | Unknown     | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060695 | 10027810 | 79A Woodglen Rd          | Glen Eden          | N/A                                         | L1           | 594                       | Surcharging | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060712 | 10017586 | 13 Benita Pl             | Sunnyvale          | N/A                                         | L1           | 448                       | Surcharging | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060700 | 10038512 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 767                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067699 | 10039405 | 16 Ribblesdale Rd        | Henderson          | N/A                                         | L1           | 178                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067781 | 10043070 | 153 Don Buck Rd          | Massey             | N/A                                         | L1           | 203                       | Surcharging | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|--------------------------|--------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 13/02/2018 | 14067125 | 50187020 | 10 Celsmere Lane         | Te Atatu Peninsula | N/A                                         | L1           | 615                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066468 | 10038404 | 9 Waitoro Lane           | Henderson          | N/A                                         | L1           | 133                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066562 | 10042305 | 1/1 Takapu St            | Henderson          | N/A                                         | L1           | 538                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066756 | 10019873 | 36- Sel Peacock Dr       | Henderson          | N/A                                         | L1           | 476                       | Surcharging | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067948 | 10038512 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 358                       | Surcharging | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14070770 | 10039340 | 81 Sunvue Rd             | Glen Eden          | N/A                                         | L1           | 157                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14072906 | 10038731 | 14 Gareija Rd            | Henderson          | N/A                                         | L1           | 145                       | Unknown     | 0        | No                       | No                 | Yes         |
| 15/02/2018 | 14072139 | 10022617 | 48 The Concourse         | Henderson          | N/A                                         | L1           | 518                       | Roots       | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14075049 | 10043201 | 38 Sunline Ave           | Massey             | N/A                                         | L1           | 402                       | Fat         | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14075269 | 10034577 | 261 Titirangi Rd         | Titirangi          | N/A                                         | L1           | 454                       | Roots       | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14077143 | 10031143 | 3 Fernhaven Pl           | Massey             | N/A                                         | L1           | 81                        | Rubbish     | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076652 | 10034577 | 261 Titirangi Rd         | Titirangi          | N/A                                         | L1           | 181                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14090550 | 10047628 | 125B Metcalfe Rd         | Ranui              | N/A                                         | L1           | 388                       | Fat         | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091642 | 10040692 | 77- Lincoln Rd           | Henderson          | N/A                                         | L1           | 559                       | Roots       | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094603 | 10034255 | 24 Evans Rd              | Glen Eden          | N/A                                         | L1           | 573                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14099054 | 10043153 | 64 Chorley Ave           | Massey             | 0.5                                         | L2           | 333                       | Fat         | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14106774 | 10037517 | 275 Konini Rd            | Titirangi          | N/A                                         | L1           | 201                       | Fat         | 1        | No                       | No                 | Yes         |
| 3/03/2018  | 14110118 | 10037325 | 18 Withers Rd            | Glen Eden          | -                                           | L2           | 420                       | Fat         | 2.5      | No                       | No                 | Yes         |
| 3/03/2018  | 14110501 | 10066728 | 163 Atkinson Rd          | Titirangi          | N/A                                         | L1           | 135                       | Unknown     | 2.5      | No                       | No                 | Yes         |
| 3/03/2018  | 14110497 | 10039223 | 513 West Coast Rd        | Oratia             | -                                           | L2           | 64                        | Broken pipe | 2.5      | No                       | No                 | Yes         |
| 5/03/2018  | 14114164 | 10043433 | 22 Harrington Rd         | Henderson          | N/A                                         | L1           | 197                       | Unknown     | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14115820 | 10042679 | 12 Jarrah Pl             | Massey             | N/A                                         | L1           | 182                       | Fat         | 1.5      | No                       | No                 | Yes         |
| 7/03/2018  | 14120387 | 10039928 | 7 Surman Pl              | Glen Eden          | N/A                                         | L1           | 608                       | Unknown     | 2.5      | No                       | No                 | Yes         |
| 8/03/2018  | 14123720 | 10422399 | 1- Swanson Rd            | Henderson          | N/A                                         | L1           | 66                        | Rubbish     | 21       | No                       | No                 | Yes         |
| 8/03/2018  | 14123694 | 10019925 | 6 Swanson Rd             | Henderson          | N/A                                         | L1           | 644                       | Rubbish     | 21       | No                       | No                 | Yes         |
| 10/03/2018 | 14130187 | 10048345 | 13 Seymour Rd            | Sunnyvale          | N/A                                         | L1           | 188                       | Broken pipe | 0.5      | No                       | No                 | Yes         |
| 12/03/2018 | 14131492 | 10016950 | 9 Waitoro Lane           | Henderson          | N/A                                         | L1           | 290                       | Fat         | 32       | No                       | No                 | Yes         |
| 13/03/2018 | 14137209 | 10039305 | 16 Seakens Way           | Glen Eden          | N/A                                         | L1           | 295                       | Rubbish     | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                  | Suburb             | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------------|--------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 15/03/2018 | 14143432 | 10320545 | 49E Forest Hill Rd       | Henderson          | N/A                                         | L1           | 125                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147521 | 10041575 | 201 Edmonton Rd          | Te Atatu South     | N/A                                         | L1           | 440                       | Roots            | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14151101 | 10067835 | 1/28 Posa Ave            | Henderson          | N/A                                         | L1           | 440                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 21/03/2018 | 14156628 | 10030435 | 3/4 Mcleod Rd            | Henderson          | N/A                                         | L1           | 555                       | Fat              | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14162774 | 10015206 | 22 Nandana Dr            | Glen Eden          | N/A                                         | L1           | 667                       | Roots            | 3        | No                       | No                 | Yes         |
| 25/03/2018 | 14165392 | 10078539 | 23 Stokes Ave            | Te Atatu Peninsula | N/A                                         | L1           | 146                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 26/03/2018 | 14168972 | 10038067 | 191 Atkinson Rd          | Titirangi          | N/A                                         | L1           | 135                       | Unknown          | 0        | No                       | No                 | Yes         |
| 26/03/2018 | 14166846 | 10045406 | Alloway St               | Massey             | 1                                           | L2           | 199                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 31/03/2018 | 14179020 | 10047643 | 67D Metcalfe Rd          | Ranui              | N/A                                         | L1           | 104                       | Fat              | 0        | No                       | No                 | Yes         |
| 2/04/2018  | 14180664 | 10025513 | 189 Don Buck Rd          | Massey             | N/A                                         | L1           | 457                       | Roots            | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182767 | 10034255 | 22B Evans Rd             | Glen Eden          | 6                                           | L3           | 697                       | Broken pipe      | 0        | Yes                      | Yes                | Yes         |
| 3/04/2018  | 14182613 | 10084846 | 46A Don Buck Rd          | Massey             | N/A                                         | L1           | 453                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14185354 | 10047357 | 17 Luanda Dr             | Ranui              | N/A                                         | L1           | 335                       | Fat              | 1.51     | No                       | No                 | Yes         |
| 4/04/2018  | 14185613 | 10038112 | 15 Kawaka St             | Titirangi          | -                                           | L3           | 452                       | Foreign Object   | 1.51     | Yes                      | Yes                | Yes         |
| 6/04/2018  | 14192844 | 10075685 | 4 Kopi Pl                | Massey             | N/A                                         | L1           | 206                       | Unknown          | 2        | No                       | No                 | Yes         |
| 8/04/2018  | 14194633 | 10054701 | 3/16 Duncan Ave          | Te Atatu South     | N/A                                         | L1           | 488                       | Fat              | 0        | No                       | No                 | Yes         |
| 8/04/2018  | 14194593 | 10075685 | 4 Kopi Pl                | Massey             | 0.25                                        | L2           | 417                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14198152 | 10046310 | 414 Don Buck Rd          | Massey             | N/A                                         | L1           | 221                       | Fat              | 0        | No                       | No                 | Yes         |
| 11/04/2018 | 14204007 | 10046500 | 78 Garton Dr             | Massey             | N/A                                         | L1           | 325                       | Roots            | 7        | No                       | No                 | Yes         |
| 13/04/2018 | 14210434 | 10047015 | 1 Starling Pl            | Ranui              | N/A                                         | L1           | 177                       | Fat              | 0        | No                       | No                 | Yes         |
| 13/04/2018 | 14210552 | 15117055 | 1/17 Macrocarpa Pl       | Ranui              | N/A                                         | L1           | 365                       | Fat              | 0        | No                       | No                 | Yes         |
| 14/04/2018 | 14211283 | 10017055 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 185                       | Surcharging      | 3        | No                       | No                 | Yes         |
| 15/04/2018 | 14212176 | 10041414 | 15 Dellwood Ave          | Henderson          | N/A                                         | L1           | 91                        | Unknown          | 34.5     | No                       | No                 | Yes         |
| 19/04/2018 | 14225741 | 10075685 | 4 Kopi Pl                | Massey             | -                                           | L2           | 158                       | Fat              | 0        | No                       | No                 | Yes         |
| 21/04/2018 | 14228931 | 10007599 | 1/51 Redwood Dr          | Massey             | N/A                                         | L1           | 265                       | Fat              | 2        | No                       | No                 | Yes         |
| 22/04/2018 | 14230469 | 10021148 | 27 Zefiro Dr             | Massey             | N/A                                         | L1           | 500                       | Roots            | 1        | No                       | No                 | Yes         |
| 22/04/2018 | 14230312 | 10049701 | 14 Waikura Dr            | Te Atatu Peninsula | N/A                                         | L1           | 413                       | Fat              | 1        | No                       | No                 | Yes         |
| 22/04/2018 | 14230703 | 10044524 | 7A Glenvil Lane          | Te Atatu Peninsula | -                                           | L2           | 193                       | Rubbish          | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                  | Suburb             | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------------|--------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 22/04/2018 | 14230470 | 10075685 | 4 Kopi Pl                | Massey             | N/A                                         | L1           | 645                       | Unknown        | 1        | No                       | No                 | Yes         |
| 24/04/2018 | 14236422 | 11005956 | 31 Virginia St           | Henderson          | N/A                                         | L1           | 126                       | Fat            | 0        | No                       | No                 | Yes         |
| 25/04/2018 | 14238030 | 10033677 | 269 Sturges Rd           | Henderson          | N/A                                         | L1           | 640                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/04/2018 | 14238132 | 10015127 | 2/93 Woodglen Rd         | Glen Eden          | N/A                                         | L1           | 401                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14242430 | 10043548 | 367 Triangle Rd          | Henderson          | N/A                                         | L1           | 463                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14245368 | 10023297 | 10 Celsmere Lane         | Te Atatu Peninsula | N/A                                         | L1           | 391                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 28/04/2018 | 14245352 | 10016950 | 9 Waitoro Lane           | Henderson          | N/A                                         | L1           | 393                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 28/04/2018 | 14245549 | 10016945 | 129 Henderson Valley Rd  | Henderson          | N/A                                         | L1           | 348                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 28/04/2018 | 14245334 | 10020991 | 1/1 Takapu St            | Henderson          | N/A                                         | L1           | 217                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 28/04/2018 | 14245418 | 11017077 | 29A Vina Pl              | Massey             | N/A                                         | L1           | 285                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 28/04/2018 | 14245566 | 10017217 | 25 Posa Ave              | Henderson          | N/A                                         | L1           | 169                       | Surcharging    | 64       | No                       | No                 | Yes         |
| 29/04/2018 | 14246322 | 10047043 | 36 Don Buck Rd           | Massey             | -                                           | L2           | 69                        | Unknown        | 1        | No                       | No                 | Yes         |
| 29/04/2018 | 14246230 | 10038512 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 177                       | Surcharging    | 1        | No                       | No                 | Yes         |
| 30/04/2018 | 14248463 | 10026213 | 18 Candia Rd             | Swanson            | N/A                                         | L1           | 78                        | Surcharging    | 31       | No                       | No                 | Yes         |
| 1/05/2018  | 14253504 | 10045636 | 75 West Harbour Dr       | West Harbour       | N/A                                         | L1           | 234                       | Fat            | 1        | No                       | No                 | Yes         |
| 1/05/2018  | 14251593 | 15049690 | 36A Highland Ave         | Titirangi          | N/A                                         | L1           | 438                       | Unknown        | 1        | No                       | No                 | Yes         |
| 2/05/2018  | 14255767 | 11016959 | 31 Paramount Dr          | Henderson          | N/A                                         | L1           | 309                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14260666 | 10025315 | 24A Killygordon Pl       | Massey             | 0.5                                         | L2           | 423                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/05/2018  | 14268523 | 10324963 | 14 Waikura Dr            | Te Atatu Peninsula | N/A                                         | L1           | 430                       | Fat            | 0        | No                       | No                 | Yes         |
| 9/05/2018  | 14270971 | 10029684 | 247A Royal Rd            | Massey             | N/A                                         | L1           | 107                       | Fat            | 0        | No                       | No                 | Yes         |
| 9/05/2018  | 14272449 | 10038401 | 32 Coburg St             | Henderson          | N/A                                         | L1           | 595                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14274754 | 11032119 | 30 Bamea Cir             | Glen Eden          | N/A                                         | L1           | 443                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 12/05/2018 | 14280948 | 10036317 | 34 Maywood Cres          | Glen Eden          | N/A                                         | L1           | 141                       | Roots          | 7.5      | No                       | No                 | Yes         |
| 14/05/2018 | 14285380 | 10042320 | 6/38 Edmonton Rd         | Henderson          | N/A                                         | L1           | 457                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 15/05/2018 | 14288529 | 10041451 | 1/24 Newington Rd        | Henderson          | 0                                           | L1           | 177                       | Fat            | 0        | No                       | No                 | Yes         |
| 18/05/2018 | 14299057 | 10039527 | 114 View Rd              | Sunnyvale          | N/A                                         | L1           | 176                       | Rags           | 0.51     | No                       | No                 | Yes         |
| 18/05/2018 | 14299020 | 10012664 | 324B West Coast Rd       | Glen Eden          | 0                                           | L1           | 307                       | Foreign Object | 0.51     | No                       | No                 | Yes         |
| 21/05/2018 | 14303748 | 10325275 | 22 Danica Esp            | Te Atatu Peninsula | N/A                                         | L1           | 171                       | Fat            | 5.53     | No                       | No                 | Yes         |

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|------------|----------|----------|--------------------------|--------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/05/2018 | 14304208 | 10040645 | 16A Lincoln Rd           | Henderson          | N/A                                         | L1           | 255                       | Foreign Object   | 5.53     | No                       | No                 | Yes         |
| 21/05/2018 | 14300884 | 10017055 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 237                       | Surcharging      | 5.53     | No                       | No                 | Yes         |
| 22/05/2018 | 14305360 | 10022392 | 207- Lincoln Rd          | Henderson          | N/A                                         | L1           | 275                       | 3rd party damage | 9.57     | No                       | No                 | Yes         |
| 23/05/2018 | 14309790 | 10370962 | 2 Mayfair Pl             | Massey             | N/A                                         | L1           | 460                       | Surcharging      | 38.77    | No                       | No                 | Yes         |
| 23/05/2018 | 14310826 | 10021374 | 2/12 Jarrah Pl           | Massey             | N/A                                         | L1           | 35                        | Fat              | 38.77    | No                       | No                 | Yes         |
| 23/05/2018 | 14310115 | 10041744 | 104 Buscomb Ave          | Henderson          | N/A                                         | L1           | 343                       | Broken pipe      | 38.77    | No                       | No                 | Yes         |
| 23/05/2018 | 14310350 | 10040997 | 59 Keeling Rd            | Henderson          | N/A                                         | L1           | 189                       | Foreign Object   | 38.77    | No                       | No                 | Yes         |
| 23/05/2018 | 14310743 | 10044041 | 629 Te Atatu Rd          | Te Atatu Peninsula | N/A                                         | L1           | 227                       | Fat              | 38.77    | No                       | No                 | Yes         |
| 24/05/2018 | 14311685 | 10038512 | 133A Henderson Valley Rd | Henderson          | N/A                                         | L1           | 107                       | Rubbish          | 2.51     | No                       | No                 | Yes         |
| 25/05/2018 | 14315032 | 10024464 | 75-89 Moire Rd           | Massey             | N/A                                         | L1           | 545                       | Surcharging      | 9.07     | No                       | No                 | Yes         |
| 26/05/2018 | 14317555 | 10043718 | 199C Lincoln Rd          | Henderson          | N/A                                         | L1           | 542                       | Roots            | 4.53     | No                       | No                 | Yes         |
| 30/05/2018 | 14326953 | 10020504 | 4 Ozich Ave              | Te Atatu South     | N/A                                         | L1           | 504                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 30/05/2018 | 14327299 | 10046056 | 1/27 Abbotleigh Ave      | Te Atatu Peninsula | N/A                                         | L1           | 382                       | Unknown          | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335143 | 10023297 | 10 Celsmere Lane         | Te Atatu Peninsula | N/A                                         | L1           | 547                       | Surcharging      | 52.86    | No                       | No                 | Yes         |
| 4/06/2018  | 14336055 | 10020135 | 9 Coletta Lane           | Te Atatu South     | N/A                                         | L1           | 156                       | Unknown          | 15.11    | No                       | No                 | Yes         |
| 5/06/2018  | 14339649 | 10043706 | 207- Lincoln Rd          | Henderson          | N/A                                         | L1           | 493                       | 3rd party damage | 4.02     | No                       | No                 | Yes         |
| 8/06/2018  | 14348404 | 10370920 | 50 View Ridge Dr         | Ranui              | N/A                                         | L1           | 102                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14352123 | 10047139 | 720 Swanson Rd           | Swanson            | N/A                                         | L1           | 502                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 13/06/2018 | 14359804 | 10044375 | 1/104 Central Park Dr    | Henderson          | N/A                                         | L1           | 429                       | Unknown          | 4.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14361543 | 10039929 | 7 Surman Pl              | Glen Eden          | 1                                           | L2           | 398                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14362518 | 10046734 | 2/77 Reynella Dr         | Massey             | N/A                                         | L1           | 347                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14360703 | 10047302 | 18 Candia Rd             | Swanson            | 1                                           | L2           | 170                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14362825 | 10045616 | 42 West Harbour Dr       | West Harbour       | N/A                                         | L1           | 352                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 15/06/2018 | 14363574 | 10044298 | 1/144 Central Park Dr    | Henderson          | N/A                                         | L1           | 239                       | Fat              | 0        | No                       | No                 | Yes         |
| 18/06/2018 | 14368884 | 10453194 | 34 Carnelian Crt         | Massey             | N/A                                         | L1           | 417                       | Roots            | 1        | No                       | No                 | Yes         |
| 18/06/2018 | 14368979 | 50190595 | 57A Westgate Dr          | Massey             | N/A                                         | L1           | 105                       | 3rd party damage | 1        | No                       | No                 | Yes         |
| 19/06/2018 | 14372817 | 10029621 | 22 Spargo Rd             | Massey             | N/A                                         | L1           | 453                       | Roots            | 2.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14373995 | 10043569 | 283- Lincoln Rd          | Henderson          | N/A                                         | L1           | 147                       | Unknown          | 2.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 20/06/2018 | 14377096 | 10043575 | 325 Lincoln Rd       | Henderson      | N/A                                         | L1           | 191                       | Fat            | 94       | No                       | No                 | Yes         |
| 20/06/2018 | 14376110 | 10042327 | 301 Great North Rd   | Henderson      | N/A                                         | L1           | 556                       | Roots          | 94       | No                       | No                 | Yes         |
| 22/06/2018 | 14382661 | 10023449 | 2 Alwyn Ave          | Te Atatu South | N/A                                         | L1           | 105                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/06/2018 | 14391274 | 10043340 | 2 Mayfair Pl         | Massey         | N/A                                         | L1           | 503                       | Surcharging    | 16.5     | No                       | No                 | Yes         |
| 26/06/2018 | 14391440 | 11027114 | 14 Don Buck Rd       | Massey         | N/A                                         | L1           | 398                       | Broken Pipe    | 16.5     | No                       | No                 | Yes         |
| 26/06/2018 | 14392153 | 10016853 | 2/32 Kereru St       | Henderson      | N/A                                         | L1           | 135                       | Unknown        | 16.5     | No                       | No                 | Yes         |
| 27/06/2018 | 14394079 | 10016150 | 185 Konini Rd        | Titirangi      | N/A                                         | L1           | 562                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14395272 | 10047025 | 1 Starling Pl        | Ranui          | -                                           | L2           | 82                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 28/06/2018 | 14396966 | 10048496 | 1/1 Cushla Pl        | Massey         | 3                                           | L2           | 155                       | Roots          | 1        | No                       | No                 | Yes         |
| 28/06/2018 | 14397352 | 15036927 | 20 Gordon Stanley Dr | Massey         | N/A                                         | L1           | 62                        | Foreign Object | 1        | No                       | No                 | Yes         |
| 28/06/2018 | 14398392 | 10019219 | 26A Swanson Rd       | Henderson      | N/A                                         | L1           | 239                       | Rubbish        | 1        | No                       | No                 | Yes         |

**Table 18: Overflows in the Whau River Catchment Area**

| Date       | SR #     | Compkey  | Address               | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612234 | 15030077 | 16 Kohekohe St        | New Lynn       | -                                           | L2           | 363                       | Roots          | 15.6     | No                       | No                 | Yes         |
| 3/07/2017  | 13614341 | 10033622 | 2/19 Manhattan Hts    | Glendene       | N/A                                         | L1           | 632                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13613437 | 10317531 | 2/7 Veronica St       | New Lynn       | N/A                                         | L1           | 252                       | Fat            | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13616538 | 8965185  | 8 Avondale Rd         | Avondale       | N/A                                         | L1           | 112                       | Fat            | 0.2      | No                       | No                 | Yes         |
| 4/07/2017  | 13616139 | 10033322 | 3 Veronica St         | New Lynn       | N/A                                         | L1           | 44                        | Rubbish        | 0.2      | No                       | No                 | Yes         |
| 5/07/2017  | 13618897 | 10042226 | 18 Ayrton St          | Te Atatu South | N/A                                         | L1           | 102                       | Broken pipe    | 7.4      | No                       | No                 | Yes         |
| 6/07/2017  | 13623175 | 50051725 | 7 Portage Rd          | New Lynn       | N/A                                         | L1           | 264                       | Rubbish        | 28       | No                       | No                 | Yes         |
| 6/07/2017  | 13622991 | 10020728 | 24 Covil Ave          | Te Atatu South | N/A                                         | L1           | 55                        | Surcharging    | 28       | No                       | No                 | Yes         |
| 7/07/2017  | 13624301 | 10042244 | 65 Roberts Rd         | Te Atatu South | N/A                                         | L1           | 130                       | Fat            | 4        | No                       | No                 | Yes         |
| 7/07/2017  | 13624960 | 10032261 | 7 Nile Rd             | Kelston        | N/A                                         | L1           | 294                       | Fat            | 4        | No                       | No                 | Yes         |
| 10/07/2017 | 13627643 | 8978063  | 82-86 Kinross St      | Blockhouse Bay | N/A                                         | L1           | 257                       | Rags           | 3.4      | No                       | No                 | Yes         |
| 10/07/2017 | 13627562 | 8977939  | 19 Mitchell St        | Blockhouse Bay | N/A                                         | L1           | 544                       | Roots          | 3.4      | No                       | No                 | Yes         |
| 10/07/2017 | 13628924 | 10317531 | 64 Portage Rd         | New Lynn       | 3                                           | L2           | 108                       | Roots          | 3.4      | No                       | No                 | Yes         |
| 13/07/2017 | 13634576 | 10033276 | 30 Binsted Rd         | New Lynn       | N/A                                         | L1           | 116                       | Roots          | 14.6     | No                       | No                 | Yes         |
| 14/07/2017 | 13637530 | 8977992  | 91 Connell St         | Blockhouse Bay | N/A                                         | L1           | 458                       | Roots          | 2.8      | No                       | No                 | Yes         |
| 16/07/2017 | 13638998 | 10033752 | 9 Rosewarne Cres      | Glendene       | N/A                                         | L1           | 368                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13646182 | 10042226 | 1/20 Ayrton St        | Te Atatu South | N/A                                         | L1           | 182                       | Foreign Object | 1.8      | No                       | No                 | Yes         |
| 25/07/2017 | 13656077 | 10042226 | 1/20 Ayrton St        | Te Atatu South | N/A                                         | L1           | 628                       | Fat            | 14.2     | No                       | No                 | Yes         |
| 26/07/2017 | 13657790 | 10032721 | 30 Westward Ho        | Glen Eden      | 6                                           | L3           | 162                       | Rubbish        | 1        | Yes                      | Yes                | Yes         |
| 28/07/2017 | 13663258 | 10035859 | 1/14 Craigbank Ave    | New Lynn       | 1                                           | L2           | 195                       | Roots          | 7        | No                       | No                 | Yes         |
| 29/07/2017 | 13665312 | 15041559 | 32A Cron Ave          | Te Atatu South | N/A                                         | L1           | 224                       | Foreign Object | 0.2      | No                       | No                 | Yes         |
| 29/07/2017 | 13665584 | 10033384 | 3102 Great North Rd   | New Lynn       | N/A                                         | L1           | 209                       | Unknown        | 0.2      | No                       | No                 | Yes         |
| 31/07/2017 | 13666709 | 10032560 | 14 Meilland Pl        | Glen Eden      | -                                           | L2           | 155                       | Roots          | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13670531 | 10052859 | 32A Cron Ave          | Te Atatu South | N/A                                         | L1           | 352                       | Silts          | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13670242 | 9010305  | 578 Blockhouse Bay Rd | Blockhouse Bay | -                                           | L2           | 277                       | Roots          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/08/2017  | 13670298 | 10048571 | 2/52B Pleasant Rd     | Glen Eden      | N/A                                         | L1           | 192                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13672333 | 8973702  | 74 Kinross St         | Blockhouse Bay | -                                           | L2           | 599                       | Roots          | 10       | No                       | No                 | Yes         |
| 8/08/2017  | 13682719 | 8965134  | 217 Rosebank Rd       | Avondale       | N/A                                         | L1           | 495                       | Broken pipe    | 2.62     | No                       | No                 | Yes         |
| 8/08/2017  | 13683167 | 8799186  | 11/33 Kay Dr          | Blockhouse Bay | N/A                                         | L1           | 100                       | Roots          | 2.62     | No                       | No                 | Yes         |
| 11/08/2017 | 13689104 | 10029426 | 8 Kirby St            | Glendene       | N/A                                         | L1           | 522                       | Roots          | 14.41    | No                       | No                 | Yes         |
| 18/08/2017 | 13702758 | 10034077 | 33A Glenview Rd       | Glen Eden      | N/A                                         | L1           | 546                       | Unknown        | 0.38     | No                       | No                 | Yes         |
| 21/08/2017 | 13705202 | 10033623 | 2/19 Manhattan Hts    | Glendene       | N/A                                         | L1           | 134                       | Fat            | 2.44     | No                       | No                 | Yes         |
| 21/08/2017 | 13706056 | 8965109  | 4 Kiritoa St          | Avondale       | N/A                                         | L1           | 611                       | Fat            | 2.44     | No                       | No                 | Yes         |
| 21/08/2017 | 13706426 | 15044530 | 3/9 Lex Ave           | Green Bay      | N/A                                         | L1           | 98                        | Fat            | 2.44     | No                       | No                 | Yes         |
| 25/08/2017 | 13715024 | 15095040 | Seabrook Ave          | New Lynn       | N/A                                         | L1           | 101                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/08/2017 | 13716912 | 10034516 | 13 Parker Ave         | New Lynn       | N/A                                         | L1           | 758                       | Unknown        | 6.18     | No                       | No                 | Yes         |
| 1/09/2017  | 13727939 | 8965134  | 217 Rosebank Rd       | Avondale       | N/A                                         | L1           | 249                       | Foreign Object | 12.74    | No                       | No                 | Yes         |
| 2/09/2017  | 13728741 | 10033324 | 5/7 Veronica St       | New Lynn       | N/A                                         | L1           | 90                        | Rags           | 23.97    | No                       | No                 | Yes         |
| 3/09/2017  | 13729297 | 10033559 | 20 Thornlow St        | Glendene       | N/A                                         | L1           | 98                        | Roots          | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13731582 | 8965134  | 217 Rosebank Rd       | Avondale       | N/A                                         | L1           | 137                       | Unknown        | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730185 | 10033835 | 100 Farquhar Rd       | Glendene       | N/A                                         | L1           | 266                       | Roots          | 0        | No                       | No                 | Yes         |
| 7/09/2017  | 13738388 | 10034704 | 20 Lemnos Pl          | Titirangi      | N/A                                         | L1           | 596                       | Unknown        | 6.18     | No                       | No                 | Yes         |
| 15/09/2017 | 13754272 | 10042048 | 297 Te Atatu Rd       | Te Atatu South | N/A                                         | L1           | 160                       | Fat            | 9.4      | No                       | No                 | Yes         |
| 16/09/2017 | 13756429 | 15067879 | 15 Covil Ave          | Te Atatu South | N/A                                         | L1           | 524                       | Unknown        | 9        | No                       | No                 | Yes         |
| 16/09/2017 | 13756657 | 15067909 | 13 Covil Ave          | Te Atatu South | N/A                                         | L1           | 74                        | Unknown        | 9        | No                       | No                 | Yes         |
| 16/09/2017 | 13756310 | 10042019 | 34 Lyndhurst Rd       | Te Atatu South | 1                                           | L2           | 240                       | Rubbish        | 9        | No                       | No                 | Yes         |
| 19/09/2017 | 13761241 | 10317531 | 32 Portage Rd         | New Lynn       | N/A                                         | L1           | 276                       | Rags           | 3.6      | No                       | No                 | Yes         |
| 24/09/2017 | 13770456 | 10035698 | 3 Verena Pl           | Green Bay      | N/A                                         | L1           | 76                        | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13773238 | 10010998 | 1/4108 Great North Rd | Glen Eden      | N/A                                         | L1           | 364                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/09/2017 | 13775146 | 10033384 | 3102 Great North Rd   | New Lynn       | N/A                                         | L1           | 155                       | Fat            | 12.2     | No                       | No                 | Yes         |
| 27/09/2017 | 13777680 | 10011859 | 3112 Great North Rd   | New Lynn       | N/A                                         | L1           | 432                       | Fat            | 0.2      | No                       | No                 | Yes         |
| 27/09/2017 | 13776948 | 10035680 | 58A Lantana Rd        | Green Bay      | N/A                                         | L1           | 449                       | Unknown        | 0.2      | No                       | No                 | Yes         |
| 28/09/2017 | 13778494 | 10066986 | 9 Prior Pl            | Glendene       | N/A                                         | L1           | 357                       | Unknown        | 0        | No                       | No                 | Yes         |



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|------------|----------|----------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/10/2017  | 13786101 | 10030361 | 3 Metric Pl         | Te Atatu South | N/A                                         | L1           | 384                       | Fat            | 5.8      | No                       | No                 | Yes         |
| 2/10/2017  | 13785962 | 10033633 | 72 Kirby St         | Glendene       | N/A                                         | L1           | 261                       | Rubbish        | 5.8      | No                       | No                 | Yes         |
| 4/10/2017  | 13789690 | 10036085 | 11 Links Rd         | New Lynn       | N/A                                         | L1           | 249                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13794467 | 10038309 | 259 Hepburn Rd      | Glendene       | N/A                                         | L1           | 199                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/10/2017 | 13800647 | 8965354  | 79 Mead St          | Avondale       | N/A                                         | L1           | 583                       | Unknown        | 1        | No                       | No                 | Yes         |
| 10/10/2017 | 13801928 | 10031927 | 9 Prior Pl          | Glendene       | N/A                                         | L1           | 126                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 10/10/2017 | 13802073 | 11024078 | 8A Pine St          | New Lynn       | N/A                                         | L1           | 300                       | Broken Pipe    | 1        | No                       | No                 | Yes         |
| 15/10/2017 | 13810524 | 10032858 | 2/34 Copley St      | New Lynn       | N/A                                         | L1           | 120                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812053 | 10371313 | 121A Seabrook Ave   | New Lynn       | N/A                                         | L1           | 547                       | Unknown        | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13816348 | 10034000 | 1/1 Akatea Rd       | Glendene       | N/A                                         | L1           | 493                       | Fat            | 0.8      | No                       | No                 | Yes         |
| 19/10/2017 | 13818938 | 10011861 | 3102 Great North Rd | New Lynn       | N/A                                         | L1           | 477                       | Fat            | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13828054 | 8965736  | 604 Rosebank Rd     | Avondale       | N/A                                         | L1           | 145                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13830547 | 10034477 | 25 West Lynn Rd     | Titirangi      | N/A                                         | L1           | 221                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13830570 | 10038285 | 221 Hepburn Rd      | Glendene       | N/A                                         | L1           | 294                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/10/2017 | 13831817 | 8965745  | 604 Rosebank Rd     | Avondale       | N/A                                         | L1           | 109                       | Fat            | 2.6      | No                       | No                 | Yes         |
| 27/10/2017 | 13835260 | 8965511  | 16 Calvin Pl        | Avondale       | N/A                                         | L1           | 166                       | Roots          | 8.4      | No                       | No                 | Yes         |
| 29/10/2017 | 13836221 | 11035308 | 33 Parker Ave       | New Lynn       | 0.25                                        | L2           | 553                       | Fat            | 0.2      | No                       | No                 | Yes         |
| 29/10/2017 | 13836270 | 8965429  | 37 Maple St         | Avondale       | N/A                                         | L1           | 254                       | Fat            | 0.2      | No                       | No                 | Yes         |
| 29/10/2017 | 13836284 | 10035469 | 122 Takahe Rd       | Titirangi      | N/A                                         | L1           | 141                       | Roots          | 0.2      | No                       | No                 | Yes         |
| 1/11/2017  | 13843465 | 10032067 | 1/35 Sabulite Rd    | Kelston        | N/A                                         | L2           | 378                       | Fat            | 1        | No                       | No                 | Yes         |
| 4/11/2017  | 13851107 | 10042237 | 32 Glynnbrooke St   | Te Atatu South | N/A                                         | L1           | 108                       | Roots          | 5.4      | No                       | No                 | Yes         |
| 6/11/2017  | 13852797 | 10035298 | 172 Godley Rd       | Titirangi      | 1                                           | L2           | 164                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13859201 | 10032174 | 2/61 Beaubank Rd    | Kelston        | N/A                                         | L1           | 207                       | Fat            | 7.2      | No                       | No                 | Yes         |
| 11/11/2017 | 13863416 | 10066986 | 9 Prior Pl          | Glendene       | N/A                                         | L1           | 420                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13863896 | 10044712 | 32 Bridge Ave       | Te Atatu South | -                                           | L2           | 442                       | Unknown        | 0        | No                       | No                 | Yes         |
| 18/11/2017 | 13879094 | 10033814 | Thornlow St         | Glendene       | -                                           | L2           | 229                       | Roots          | 5.6      | No                       | No                 | Yes         |
| 18/11/2017 | 13879285 | 10443911 | 40 Kelman Rd        | Kelston        | N/A                                         | L1           | 390                       | Fat            | 5.6      | No                       | No                 | Yes         |
| 19/11/2017 | 13880104 | 10032463 | 46 Kelman Rd        | Kelston        | N/A                                         | L1           | 332                       | Foreign Object | 2.8      | No                       | No                 | Yes         |

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|------------|----------|----------|-----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 20/11/2017 | 13881587 | 10032457 | 41A Kelman Rd         | Kelston        | 1                                           | L2           | 245                       | Unknown        | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13881585 | 10066986 | 9 Prior Pl            | Glendene       | N/A                                         | L1           | 194                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896476 | 10034378 | 9 Roland Hl           | Glen Eden      | N/A                                         | L1           | 161                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897611 | 10035680 | 58A Lantana Rd        | Green Bay      | N/A                                         | L1           | 121                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897343 | 10035672 | 45 Lantana Rd         | Green Bay      | N/A                                         | L1           | 548                       | Fat            | 0        | No                       | No                 | Yes         |
| 1/12/2017  | 13913269 | 10317531 | 17 Crum Ave           | New Lynn       | N/A                                         | L1           | 62                        | Roots          | 0        | No                       | No                 | Yes         |
| 6/12/2017  | 13924452 | 11034848 | 3098 Great North Rd   | New Lynn       | N/A                                         | L1           | 539                       | Fat            | 1        | No                       | No                 | Yes         |
| 6/12/2017  | 13926042 | 10054594 | 110A Mcleod Rd        | Te Atatu South | N/A                                         | L1           | 196                       | Unknown        | 1        | No                       | No                 | Yes         |
| 8/12/2017  | 13931505 | 11030123 | 9C Christina Ave      | Te Atatu South | N/A                                         | L1           | 233                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/12/2017  | 13930906 | 10029558 | 1/43 Cron Ave         | Te Atatu South | N/A                                         | L1           | 450                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 9/12/2017  | 13932523 | 10035680 | 58A Lantana Rd        | Green Bay      | N/A                                         | L1           | 121                       | Unknown        | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13933911 | 15035292 | 56 Glen Marine Pde    | Glendene       | N/A                                         | L1           | 151                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13936256 | 10058464 | 50 Tahi Tce           | Glen Eden      | N/A                                         | L1           | 91                        | Unknown        | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13941647 | 10011670 | 3/10 Reid Rd          | New Lynn       | N/A                                         | L1           | 560                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13942433 | 8799216  | 27 Armagh Rd          | Blockhouse Bay | N/A                                         | L1           | 289                       | Roots          | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13945821 | 9225360  | 77B Donovan St        | Blockhouse Bay | N/A                                         | L1           | 278                       | Roots          | 6.4      | No                       | No                 | Yes         |
| 16/12/2017 | 13949289 | 10032096 | 84 Sabulite Rd        | Kelston        | N/A                                         | L1           | 212                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13958687 | 10032096 | 84 Sabulite Rd        | Kelston        | N/A                                         | L1           | 175                       | Roots          | 4.4      | No                       | No                 | Yes         |
| 21/12/2017 | 13961111 | 8973685  | 7 Endeavour St        | Blockhouse Bay | N/A                                         | L1           | 113                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/12/2017 | 13966179 | 10034837 | 2/58 Parker Ave       | New Lynn       | N/A                                         | L1           | 473                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/12/2017 | 13968300 | 10320474 | 56B Pleasant Rd       | Glen Eden      | N/A                                         | L1           | 299                       | Broken Pipe    | 0.2      | No                       | No                 | Yes         |
| 2/01/2018  | 13975683 | 10036051 | 87 Golf Rd            | New Lynn       | N/A                                         | L1           | 371                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13981792 | 10010583 | 3 Rerewai Pl          | Kelston        | N/A                                         | L1           | 540                       | Surcharging    | 36.8     | No                       | No                 | Yes         |
| 8/01/2018  | 13986869 | 10034484 | 26 Poturi Streams Ave | Titirangi      | N/A                                         | L1           | 292                       | Fat            | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13987998 | 10010937 | Manatu Lane           | Kelston        | 6                                           | L3           | 558                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 9/01/2018  | 13989890 | 10032457 | Manatu Lane           | Kelston        | N/A                                         | L1           | 458                       | Rubbish        | 2        | No                       | No                 | Yes         |
| 10/01/2018 | 13991428 | 10034484 | 26 Poturi Streams Ave | Titirangi      | N/A                                         | L1           | 214                       | Fat            | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14002266 | 15035287 | 56 Glen Marine Pde    | Glendene       | -                                           | L2           | 294                       | Fat            | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|------------------------|----------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 18/01/2018 | 14010145 | 15035292 | 56 Glen Marine Pde     | Glendene       | 0                                           | L2           | 237                       | Rags        | 47.6     | No                       | No                 | Yes         |
| 20/01/2018 | 14016139 | 10042147 | 34 Tiroroa Ave         | Te Atatu South | N/A                                         | L1           | 198                       | Roots       | 0        | No                       | No                 | Yes         |
| 21/01/2018 | 14016549 | 10042103 | 27 Bodi Pl             | Te Atatu South | N/A                                         | L1           | 420                       | Roots       | 2.6      | No                       | No                 | Yes         |
| 21/01/2018 | 14016873 | 9010323  | Wtr/69-79 Endeavour St | Blockhouse Bay | N/A                                         | L1           | 230                       | Broken pipe | 2.6      | No                       | No                 | Yes         |
| 23/01/2018 | 14022836 | 8978300  | 80 Bolton St           | Blockhouse Bay | N/A                                         | L1           | 391                       | Unknown     | 14.2     | No                       | No                 | Yes         |
| 26/01/2018 | 14030642 | 8965673  | 531 Rosebank Rd        | Avondale       | -                                           | L2           | 106                       | Fat         | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14029775 | 10034701 | 193 Golf Rd            | Titirangi      | N/A                                         | L1           | 90                        | Roots       | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032586 | 10011790 | 3058 Great North Rd    | New Lynn       | N/A                                         | L1           | 564                       | Unknown     | 0.4      | No                       | No                 | Yes         |
| 29/01/2018 | 14032670 | 10032312 | 140 Lynwood Rd         | New Lynn       | N/A                                         | L1           | 267                       | Roots       | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14032687 | 10030371 | 171/172 Mcleod Rd      | Te Atatu South | N/A                                         | L1           | 524                       | Fat         | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14036350 | 8964674  | 114 Canal Rd           | Avondale       | N/A                                         | L1           | 214                       | Fat         | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038822 | 10031990 | 18 Aronui Tce          | Kelston        | N/A                                         | L1           | 317                       | Fat         | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14049631 | 10012179 | 2 Blue Spur Way        | Glendene       | N/A                                         | L1           | 400                       | Unknown     | 10       | No                       | No                 | Yes         |
| 5/02/2018  | 14049483 | 10013241 | 3/43 Parker Ave        | New Lynn       | N/A                                         | L1           | 52                        | Surcharging | 10       | No                       | No                 | Yes         |
| 5/02/2018  | 14049579 | 10032845 | 25 Tomo St             | New Lynn       | N/A                                         | L1           | 144                       | Unknown     | 10       | No                       | No                 | Yes         |
| 5/02/2018  | 14049617 | 9249535  | 98 Holly St            | Avondale       | N/A                                         | L1           | 277                       | Roots       | 10       | No                       | No                 | Yes         |
| 5/02/2018  | 14049325 | 8787390  | 135 Rosebank Rd        | Avondale       | N/A                                         | L1           | 107                       | Rubbish     | 10       | No                       | No                 | Yes         |
| 5/02/2018  | 14049018 | 11022633 | 60 Rua Rd              | Glen Eden      | N/A                                         | L1           | 287                       | Unknown     | 10       | No                       | No                 | Yes         |
| 6/02/2018  | 14050461 | 10032783 | 67 Fruitvale Rd        | New Lynn       | 0.5                                         | L2           | 449                       | Unknown     | 0.2      | No                       | No                 | Yes         |
| 10/02/2018 | 14060132 | 10033492 | 35 Portage Rd          | New Lynn       | N/A                                         | L1           | 568                       | Silts       | 21.8     | No                       | No                 | Yes         |
| 10/02/2018 | 14060211 | 8965529  | 5 Sceptre Pl           | Avondale       | N/A                                         | L1           | 154                       | Roots       | 21.8     | No                       | No                 | Yes         |
| 11/02/2018 | 14060632 | 10013241 | 3/43 Parker Ave        | New Lynn       | N/A                                         | L1           | 381                       | Surcharging | 29.8     | No                       | No                 | Yes         |
| 11/02/2018 | 14060682 | 10032192 | 12 Alston Ave          | Kelston        | N/A                                         | L1           | 434                       | Unknown     | 29.8     | No                       | No                 | Yes         |
| 11/02/2018 | 14060715 | 10012894 | 25 Tomo St             | New Lynn       | N/A                                         | L1           | 94                        | Surcharging | 29.8     | No                       | No                 | Yes         |
| 11/02/2018 | 14061062 | 10032322 | 121 Lynwood Rd         | New Lynn       | 1                                           | L2           | 225                       | Broken pipe | 29.8     | No                       | No                 | Yes         |
| 13/02/2018 | 14066842 | 10012894 | 25 Tomo St             | New Lynn       | N/A                                         | L1           | 364                       | Surcharging | 37       | No                       | No                 | Yes         |
| 13/02/2018 | 14066413 | 10020699 | 34 Lyndhurst Rd        | Te Atatu South | N/A                                         | L1           | 534                       | Surcharging | 37       | No                       | No                 | Yes         |
| 20/02/2018 | 14081573 | 11031455 | 28D Fruitvale Rd       | New Lynn       | 0.25                                        | L2           | 183                       | Fat         | 9.8      | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 23/02/2018 | 14092720 | 10031976 | 18 Kiernan Pl       | Kelston        | N/A                                         | L1           | 41                        | Unknown        | 0.2      | No                       | No                 | Yes         |
| 25/02/2018 | 14094538 | 10036114 | 43 Hill Cres        | New Lynn       | N/A                                         | L1           | 247                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094682 | 10012106 | 4275 Great North Rd | Glendene       | N/A                                         | L1           | 194                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105664 | 10033657 | 1/104 Manhattan Hts | Glendene       | N/A                                         | L1           | 544                       | Roots          | 0.6      | No                       | No                 | Yes         |
| 6/03/2018  | 14116217 | 10048099 | 3/23 Kelwyn Rd      | Kelston        | N/A                                         | L1           | 444                       | Fat            | 0.6      | No                       | No                 | Yes         |
| 12/03/2018 | 14131483 | 10317531 | 43 Hill Cres        | New Lynn       | N/A                                         | L1           | 145                       | Unknown        | 14.2     | No                       | No                 | Yes         |
| 13/03/2018 | 14136010 | 50025183 | 52 Astley Ave       | New Lynn       | N/A                                         | L1           | 441                       | Roots          | 0.4      | No                       | No                 | Yes         |
| 15/03/2018 | 14141643 | 10034949 | 180 Golf Rd         | Titirangi      | N/A                                         | L1           | 125                       | Roots          | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14151150 | 8973709  | 46 Connell St       | Blockhouse Bay | N/A                                         | L1           | 135                       | Roots          | 1.4      | No                       | No                 | Yes         |
| 20/03/2018 | 14153019 | 10035285 | 172 Godley Rd       | Titirangi      | N/A                                         | L1           | 409                       | Fat            | 2.4      | No                       | No                 | Yes         |
| 20/03/2018 | 14153203 | 8978327  | 8 Castlewood Grv    | Blockhouse Bay | N/A                                         | L1           | 532                       | Unknown        | 2.4      | No                       | No                 | Yes         |
| 20/03/2018 | 14154639 | 10042158 | 18 Tiroroa Ave      | Te Atatu South | N/A                                         | L1           | 104                       | Fat            | 2.4      | No                       | No                 | Yes         |
| 26/03/2018 | 14167330 | 10052828 | 80 Glendene Ave     | Glendene       | N/A                                         | L1           | 416                       | Unknown        | 10       | No                       | No                 | Yes         |
| 28/03/2018 | 14173603 | 10032720 | 30 Westward Ho      | Glen Eden      | 0                                           | L1           | 80                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 30/03/2018 | 14178145 | 10032854 | 2 Copley St         | New Lynn       | N/A                                         | L1           | 43                        | Broken pipe    | 2.2      | No                       | No                 | Yes         |
| 2/04/2018  | 14180372 | 10009063 | 1/31 Kokiri St      | Te Atatu South | N/A                                         | L1           | 221                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14183148 | 8964914  | 27 Holly St         | Avondale       | N/A                                         | L1           | 140                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/04/2018  | 14188117 | 8978120  | 1 Falkirk St        | Blockhouse Bay | N/A                                         | L1           | 446                       | Unknown        | 0.2      | No                       | No                 | Yes         |
| 8/04/2018  | 14195038 | 5287697  | 39 Donovan St       | Blockhouse Bay | N/A                                         | L1           | 197                       | Roots          | 0.2      | No                       | No                 | Yes         |
| 11/04/2018 | 14204103 | 10452954 | 5 Queen Mary Ave    | New Lynn       | N/A                                         | L1           | 256                       | Fat            | 21.6     | No                       | No                 | Yes         |
| 11/04/2018 | 14204134 | 10033118 | 34 Kohekohe St      | New Lynn       | 5                                           | L3           | 248                       | Fat            | 21.6     | Yes                      | Yes                | Yes         |
| 13/04/2018 | 14210486 | 11022633 | 60 Rua Rd           | Glen Eden      | N/A                                         | L1           | 298                       | Surcharging    | 11.6     | No                       | No                 | Yes         |
| 14/04/2018 | 14211083 | 10012894 | 25 Tomo St          | New Lynn       | N/A                                         | L1           | 164                       | Surcharging    | 35       | No                       | No                 | Yes         |
| 14/04/2018 | 14211081 | 10014097 | 45 Castleford St    | Green Bay      | N/A                                         | L1           | 177                       | Roots          | 35       | No                       | No                 | Yes         |
| 14/04/2018 | 14211346 | 8799149  | 8 Jasmine Pl        | Blockhouse Bay | N/A                                         | L1           | 183                       | Surcharging    | 35       | No                       | No                 | Yes         |
| 17/04/2018 | 14218682 | 10034103 | 37 Meilland Pl      | Glen Eden      | N/A                                         | L1           | 471                       | Unknown        | 3.4      | No                       | No                 | Yes         |
| 19/04/2018 | 14224516 | 8965428  | 37 Maple St         | Avondale       | N/A                                         | L1           | 347                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14233576 | 10013774 | 172 Godley Rd       | Titirangi      | -                                           | L3           | 166                       | Fat            | 1        | Yes                      | Yes                | Yes         |

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|------------|----------|----------|----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 25/04/2018 | 14238140 | 8978130  | 34 Ulster Rd         | Blockhouse Bay | N/A                                         | L1           | 174                       | Unknown        | 0.4      | No                       | No                 | Yes         |
| 26/04/2018 | 14240329 | 9011041  | 5 Tony Segedin Dr    | Avondale       | N/A                                         | L1           | 459                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14243812 | 11022633 | 60 Rua Rd            | Glen Eden      | 6                                           | L3           | 245                       | Unknown        | 0        | Yes                      | Yes                | Yes         |
| 30/04/2018 | 14249968 | 10048342 | 239 Hepburn Rd       | Glendene       | N/A                                         | L1           | 156                       | Roots          | 8.4      | No                       | No                 | Yes         |
| 1/05/2018  | 14250962 | 10032029 | 10 Avenger Pl        | Glendene       | N/A                                         | L1           | 304                       | Fat            | 0        | No                       | No                 | Yes         |
| 2/05/2018  | 14256442 | 10317531 | 119 Bolton St        | New Lynn       | N/A                                         | L1           | 323                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 2/05/2018  | 14254066 | 8978327  | 8 Castlewood Grv     | Blockhouse Bay | N/A                                         | L1           | 364                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14259923 | 11022633 | 60 Rua Rd            | Glen Eden      | -                                           | L2           | 254                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14261586 | 10011719 | 32 Binsted Rd        | New Lynn       | N/A                                         | L1           | 172                       | Roots          | 0        | No                       | No                 | Yes         |
| 8/05/2018  | 14268818 | 10033534 | 12 Temuri Pl         | Glendene       | N/A                                         | L1           | 545                       | Roots          | 0        | No                       | No                 | Yes         |
| 8/05/2018  | 14270280 | 11032514 | 4313A Great North Rd | Glendene       | N/A                                         | L1           | 165                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/05/2018 | 14280038 | 10036114 | 43 Hill Cres         | New Lynn       | N/A                                         | L1           | 182                       | Unknown        | 8        | No                       | No                 | Yes         |
| 12/05/2018 | 14281030 | 10035916 | 31 Akehurst Ave      | New Lynn       | N/A                                         | L1           | 126                       | Fat            | 8        | No                       | No                 | Yes         |
| 14/05/2018 | 14283074 | 11032514 | 4313A Great North Rd | Glendene       | N/A                                         | L1           | 48                        | Unknown        | 0        | No                       | No                 | Yes         |
| 15/05/2018 | 14286970 | 10034970 | 3 Stottholm Rd       | Titirangi      | N/A                                         | L1           | 671                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/05/2018 | 14290677 | 9206517  | 27 Meliora Pl        | Avondale       | N/A                                         | L1           | 105                       | Roots          | 5.4      | No                       | No                 | Yes         |
| 22/05/2018 | 14307650 | 10054594 | 110 Mcleod Rd        | Te Atatu South | N/A                                         | L1           | 140                       | Rags           | 7.4      | No                       | No                 | Yes         |
| 23/05/2018 | 14309234 | 10032228 | 4/36 Copley St       | New Lynn       | N/A                                         | L1           | 70                        | Unknown        | 38       | No                       | No                 | Yes         |
| 23/05/2018 | 14310808 | 11032514 | 4313A Great North Rd | Glendene       | N/A                                         | L1           | 133                       | Unknown        | 38       | No                       | No                 | Yes         |
| 24/05/2018 | 14313594 | 10048099 | 3/23 Kelwyn Rd       | Kelston        | N/A                                         | L1           | 203                       | Fat            | 8.8      | No                       | No                 | Yes         |
| 26/05/2018 | 14317533 | 11031466 | 3 Palmer Ave         | Glen Eden      | N/A                                         | L1           | 649                       | Roots          | 0.4      | No                       | No                 | Yes         |
| 27/05/2018 | 14318563 | 8965442  | 395 Rosebank Rd      | Avondale       | N/A                                         | L1           | 583                       | Unknown        | 8.6      | No                       | No                 | Yes         |
| 2/06/2018  | 14334339 | 10050304 | 119 Bolton St        | Blockhouse Bay | 2                                           | L2           | 352                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335115 | 10032228 | 4/36 Copley St       | New Lynn       | N/A                                         | L1           | 643                       | Surcharging    | 33.8     | No                       | No                 | Yes         |
| 3/06/2018  | 14335381 | 15094719 | 2/82 Roberts Rd      | Te Atatu South | N/A                                         | L1           | 261                       | Roots          | 33.8     | No                       | No                 | Yes         |
| 4/06/2018  | 14335672 | 10042186 | 102 Roberts Rd       | Te Atatu South | N/A                                         | L1           | 232                       | Fat            | 24       | No                       | No                 | Yes         |
| 7/06/2018  | 14345014 | 8965267  | 10 Copsey Pl         | Avondale       | N/A                                         | L1           | 607                       | Fat            | 4.2      | No                       | No                 | Yes         |
| 9/06/2018  | 14349628 | 10027854 | 119 Bolton St        | Blockhouse Bay | N/A                                         | L1           | 437                       | Foreign Object | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address         | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------|----------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 9/06/2018  | 14349656 | 9006590  | 178 Boundary Rd | Blockhouse Bay | N/A                                         | L1           | 96                        | Unknown | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14351259 | 8965442  | 395 Rosebank Rd | Avondale       | N/A                                         | L1           | 163                       | Rags    | 15.4     | No                       | No                 | Yes         |
| 15/06/2018 | 14364535 | 11017241 | 24 Links Rd     | New Lynn       | N/A                                         | L1           | 542                       | Roots   | 0.6      | No                       | No                 | Yes         |
| 18/06/2018 | 14370473 | 10035680 | 58A Lantana Rd  | Green Bay      | N/A                                         | L1           | 174                       | Unknown | 2.4      | No                       | No                 | Yes         |
| 21/06/2018 | 14378544 | 10010434 | 259 Hepburn Rd  | Glendene       | N/A                                         | L1           | 314                       | Fat     | 6.4      | No                       | No                 | Yes         |
| 21/06/2018 | 14379071 | 10030288 | 24 Finlow Dr    | Te Atatu South | -                                           | L2           | 664                       | Fat     | 6.4      | No                       | No                 | Yes         |

**Table 19: Overflows in the Laingholm Catchment Area**

| Date       | SR #     | Compkey  | Address                | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------------|-----------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 3/07/2017  | 13613338 | 10064214 | 140 Woodlands Park Rd  | Titirangi | N/A                                         | L1           | 359                       | Unknown     | 0        | No                       | No                 | Yes         |
| 9/07/2017  | 13626350 | 10010100 | 568 South Titirangi Rd | Titirangi | N/A                                         | L1           | 263                       | Unknown     | 8        | No                       | No                 | Yes         |
| 14/07/2017 | 13637458 | 10031798 | 5 Dorothy Rd           | Laingholm | N/A                                         | L1           | 349                       | Fat         | 2.8      | No                       | No                 | Yes         |
| 19/07/2017 | 13645752 | 10009934 | 383 Huia Rd            | Titirangi | N/A                                         | L1           | 590                       | Roots       | 1.8      | No                       | No                 | Yes         |
| 23/07/2017 | 13652735 | 10029405 | 53 Laingholm Dr        | Laingholm | N/A                                         | L1           | 407                       | Roots       | 1.2      | No                       | No                 | Yes         |
| 25/07/2017 | 13656227 | 10028960 | 27 Western Rd          | Laingholm | N/A                                         | L1           | 385                       | Surcharging | 14.2     | No                       | No                 | Yes         |
| 30/07/2017 | 13665730 | 10031638 | 524 South Titirangi Rd | Titirangi | N/A                                         | L1           | 444                       | Unknown     | 0.2      | No                       | No                 | Yes         |
| 10/08/2017 | 13688129 | 11021719 | 96 Park Rd             | Titirangi | N/A                                         | L1           | 93                        | Unknown     | 4.87     | No                       | No                 | Yes         |
| 24/09/2017 | 13770483 | 10048451 | 223 Woodlands Park Rd  | Titirangi | N/A                                         | L1           | 48                        | Roots       | 0        | No                       | No                 | Yes         |
| 24/09/2017 | 13770605 | 10031909 | 85 Kauri Point Rd      | Laingholm | 3                                           | L2           | 93                        | Fat         | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13778455 | 10028929 | 195 Laingholm Dr       | Laingholm | N/A                                         | L1           | 251                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13794060 | 10031405 | 42 Paturoa Rd          | Titirangi | N/A                                         | L1           | 173                       | Roots       | 0        | No                       | No                 | Yes         |
| 13/10/2017 | 13809039 | 15064445 | 65 Waima Cres          | Titirangi | N/A                                         | L1           | 138                       | Broken pipe | 6.8      | No                       | No                 | Yes         |
| 15/10/2017 | 13810361 | 10010221 | 12 Dorothy Rd          | Laingholm | N/A                                         | L1           | 522                       | Broken Pipe | 0        | No                       | No                 | Yes         |
| 19/10/2017 | 13820149 | 10031759 | 12 Dorothy Rd          | Laingholm | N/A                                         | L1           | 285                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 27/10/2017 | 13833640 | 11021713 | 1 Titirangi Beach Rd   | Titirangi | N/A                                         | L1           | 138                       | Roots       | 8.4      | No                       | No                 | Yes         |
| 31/10/2017 | 13840751 | 10016234 | 16 Ngaio Rd            | Titirangi | N/A                                         | L1           | 534                       | Surcharging | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13876814 | 10010183 | Mceldowney Rd          | Titirangi | 6                                           | L2           | 434                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13898098 | 10029086 | 2/75A Bruce Rd         | Glenfield | N/A                                         | L1           | 200                       | Roots       | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13898109 | 10029085 | 88 Victory Rd          | Laingholm | N/A                                         | L1           | 486                       | Roots       | 0        | No                       | No                 | Yes         |
| 6/12/2017  | 13923878 | 10029347 | 53 Tane Rd             | Laingholm | N/A                                         | L1           | 97                        | Rubbish     | 1        | No                       | No                 | Yes         |
| 8/12/2017  | 13930323 | 10048266 | 34 Western Rd          | Laingholm | N/A                                         | L1           | 237                       | Fat         | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13982980 | 10035373 | 8 Rangiwai Rd          | Titirangi | N/A                                         | L1           | 117                       | Roots       | 36.8     | No                       | No                 | Yes         |
| 10/01/2018 | 13992711 | 10031397 | 128 Otitori Bay Rd     | Titirangi | N/A                                         | L1           | 215                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 17/01/2018 | 14007461 | 10324401 | 186E Woodlands Park Rd | Titirangi | 3                                           | L2           | 455                       | Unknown     | 1.2      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|------------------------|-----------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/01/2018 | 14016528 | 10030657 | 166 Woodlands Park Rd  | Titirangi | N/A                                         | L1           | 322                       | Fat              | 2.6      | No                       | No                 | Yes         |
| 22/01/2018 | 14019752 | 10031736 | 720 South Titirangi Rd | Titirangi | N/A                                         | L1           | 254                       | Roots            | 21       | No                       | No                 | Yes         |
| 2/02/2018  | 14044690 | 10028960 | 27 Western Rd          | Laingholm | N/A                                         | L1           | 402                       | Unknown          | 0.2      | No                       | No                 | Yes         |
| 3/02/2018  | 14046154 | 10030657 | 166 Woodlands Park Rd  | Titirangi | N/A                                         | L1           | 430                       | Surcharging      | 47.2     | No                       | No                 | Yes         |
| 3/02/2018  | 14046351 | 10056019 | 488 Huia Rd            | Laingholm | N/A                                         | L1           | 448                       | Broken pipe      | 47.2     | No                       | No                 | Yes         |
| 17/02/2018 | 14076806 | 10325665 | 6 Rangiwai Rd          | Titirangi | N/A                                         | L1           | 458                       | Unknown          | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094335 | 10035402 | 75 Park Rd             | Titirangi | N/A                                         | L1           | 126                       | Fat              | 0        | No                       | No                 | Yes         |
| 28/02/2018 | 14101945 | 10031410 | 12 Paturoa Rd          | Titirangi | N/A                                         | L1           | 377                       | Unknown          | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14107072 | 10066770 | 23 Scenic Dr           | Titirangi | N/A                                         | L1           | 218                       | 3rd Party Damage | 0.6      | No                       | No                 | Yes         |
| 2/03/2018  | 14108823 | 10009468 | 55A Tainui Rd          | Titirangi | N/A                                         | L1           | 381                       | Fat              | 1.4      | No                       | No                 | Yes         |
| 5/03/2018  | 14114735 | 10038150 | 25 Scenic Dr           | Titirangi | N/A                                         | L1           | 171                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147548 | 10030854 | 40 Rimutaka Pl         | Titirangi | N/A                                         | L1           | 450                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14150500 | 10030847 | 67 Rimutaka Pl         | Titirangi | N/A                                         | L1           | 221                       | Foreign Object   | 1.4      | No                       | No                 | Yes         |
| 25/03/2018 | 14165509 | 10371236 | 233 Huia Rd            | Titirangi | 6                                           | L3           | 127                       | Fat              | 0        | Yes                      | Yes                | Yes         |
| 6/04/2018  | 14193035 | 10031397 | 128 Otitori Bay Rd     | Titirangi | N/A                                         | L1           | 225                       | Broken Pipe      | 0        | No                       | No                 | Yes         |
| 16/04/2018 | 14213691 | 10029115 | 29A Tane Rd            | Laingholm | N/A                                         | L1           | 76                        | Roots            | 4.4      | No                       | No                 | Yes         |
| 11/05/2018 | 14279270 | 10029018 | 80 Warner Park Ave     | Laingholm | -                                           | L2           | 172                       | Roots            | 3.6      | No                       | No                 | Yes         |



**Table 20: Overflows in the Cox's Bay Catchment Area**

| Date       | SR #     | Compkey | Address            | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------|-----------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612210 | 8980604 | 71 Francis St      | Grey Lynn | N/A                                         | L1           | 33                        | Roots            | 9        | No                       | No                 | Yes         |
| 3/07/2017  | 13613745 | 8988102 | 18 Notley St       | Westmere  | N/A                                         | L1           | 83                        | Roots            | 0        | No                       | No                 | Yes         |
| 7/07/2017  | 13624293 | 8980101 | 27 Cowan St        | Ponsonby  | N/A                                         | L1           | 131                       | Rubbish          | 6.49     | No                       | No                 | Yes         |
| 10/07/2017 | 13628214 | 8980101 | 27 Cowan St        | Ponsonby  | N/A                                         | L1           | 571                       | Roots            | 1.08     | No                       | No                 | Yes         |
| 11/07/2017 | 13631304 | 8979547 | 50 Lincoln St      | Ponsonby  | N/A                                         | L1           | 230                       | Unknown          | 3.24     | No                       | No                 | Yes         |
| 21/07/2017 | 13650156 | 8979547 | 50 Lincoln St      | Ponsonby  | N/A                                         | L1           | 32                        | Broken Pipe      | 18.5     | No                       | No                 | Yes         |
| 21/07/2017 | 13650977 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 184                       | 3rd party damage | 18.5     | No                       | No                 | Yes         |
| 25/07/2017 | 13656617 | 8980746 | 15 Faulder Ave     | Westmere  | N/A                                         | L1           | 106                       | Fat              | 4.5      | No                       | No                 | Yes         |
| 26/07/2017 | 13658598 | 8979330 | 22 Pollen St       | Grey Lynn | N/A                                         | L1           | 106                       | 3rd party damage | 0.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13662709 | 8975889 | 1/69 Hamilton Rd   | Herne Bay | -                                           | L2           | 102                       | Rubbish          | 9        | No                       | No                 | Yes         |
| 28/07/2017 | 13662986 | 8800631 | 9/7 Bayard St      | Ponsonby  | N/A                                         | L1           | 294                       | Roots            | 8        | No                       | No                 | Yes         |
| 4/08/2017  | 13676543 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 47                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 13/08/2017 | 13691060 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 564                       | 3rd party damage | 10.5     | No                       | No                 | Yes         |
| 14/08/2017 | 13692829 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 456                       | 3rd party damage | 5.5      | No                       | No                 | Yes         |
| 16/08/2017 | 13698554 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 238                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 17/08/2017 | 13700394 | 9225481 | 454 Great North Rd | Grey Lynn | N/A                                         | L1           | 313                       | Unknown          | 1        | No                       | No                 | Yes         |
| 22/08/2017 | 13707794 | 8980215 | 69 Kelmarna Ave    | Herne Bay | N/A                                         | L1           | 72                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715472 | 8980610 | 38 Francis St      | Grey Lynn | N/A                                         | L1           | 439                       | Roots            | 0        | No                       | No                 | Yes         |
| 31/08/2017 | 13725700 | 8980214 | 80 Albany Rd       | Herne Bay | N/A                                         | L1           | 85                        | Roots            | 8.5      | No                       | No                 | Yes         |
| 4/09/2017  | 13730021 | 8980402 | 3 Parawai Cres     | Ponsonby  | N/A                                         | L1           | 114                       | Roots            | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730225 | 8976060 | 89 Sarsfield St    | Herne Bay | N/A                                         | L1           | 66                        | Broken Pipe      | 0        | No                       | No                 | Yes         |
| 11/09/2017 | 13744339 | 8980295 | 49 Hakanoa St      | Grey Lynn | N/A                                         | L1           | 572                       | Roots            | 7        | No                       | No                 | Yes         |
| 21/09/2017 | 13766171 | 9225273 | 7 Bella Vista Rd   | Herne Bay | N/A                                         | L1           | 589                       | Foreign Object   | 3.5      | No                       | No                 | Yes         |
| 30/09/2017 | 13783502 | 8980584 | 4 Warnock St       | Grey Lynn | N/A                                         | L1           | 115                       | Broken pipe      | 0.5      | No                       | No                 | Yes         |
| 8/10/2017  | 13796953 | 8975996 | 28 Herne Bay Rd    | Herne Bay | N/A                                         | L1           | 263                       | Roots            | 13.5     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address           | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|-----------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 28/10/2017 | 13835858 | 8980867  | 83 Garnet Rd      | Westmere  | N/A                                         | L1           | 139                       | Rags             | 6.5      | No                       | No                 | Yes         |
| 1/11/2017  | 13844691 | 8976060  | 60E Sentinel Rd   | Herne Bay | N/A                                         | L1           | 263                       | Silts            | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13868637 | 8801723  | 75 West End Rd    | Herne Bay | -                                           | L2           | 360                       | Fat              | 12       | No                       | No                 | Yes         |
| 14/11/2017 | 13868253 | 8976029  | 26 Bella Vista Rd | Herne Bay | N/A                                         | L1           | 521                       | Broken pipe      | 12       | No                       | No                 | Yes         |
| 22/11/2017 | 13890306 | 50209024 | 10-12 West End Rd | Herne Bay | N/A                                         | L1           | 198                       | Roots            | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13906323 | 8980133  | 37 Kelmarna Ave   | Herne Bay | N/A                                         | L1           | 159                       | Roots            | 15.5     | No                       | No                 | Yes         |
| 30/11/2017 | 13911308 | 8975847  | 128A Jervois Rd   | Herne Bay | N/A                                         | L1           | 429                       | Roots            | 9        | No                       | No                 | Yes         |
| 4/12/2017  | 13919542 | 8979524  | 39 Norfolk St     | Ponsonby  | N/A                                         | L1           | 264                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13941433 | 8980747  | 43 Faulder Ave    | Westmere  | N/A                                         | L1           | 542                       | Roots            | 0        | No                       | No                 | Yes         |
| 21/12/2017 | 13961799 | 8980344  | 1 Baildon Rd      | Grey Lynn | N/A                                         | L1           | 598                       | Broken Pipe      | 0        | No                       | No                 | Yes         |
| 8/01/2018  | 13987893 | 8980593  | 52 Larchwood Ave  | Westmere  | N/A                                         | L1           | 463                       | Fat              | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13989137 | 8979981  | 54 Dryden St      | Grey Lynn | N/A                                         | L1           | 290                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13989431 | 8979563  | 25 Lincoln St     | Ponsonby  | N/A                                         | L1           | 89                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 21/01/2018 | 14016670 | 8980088  | 30 Islington St   | Ponsonby  | N/A                                         | L1           | 63                        | Unknown          | 2        | No                       | No                 | Yes         |
| 21/01/2018 | 14017019 | 8975992  | 4 Herne Bay Rd    | Herne Bay | N/A                                         | L1           | 18                        | Broken pipe      | 2        | No                       | No                 | Yes         |
| 14/02/2018 | 14070532 | 9034050  | 23A West End Rd   | Herne Bay | N/A                                         | L1           | 182                       | Rags             | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14070691 | 8980058  | 7/7 Bayard St     | Ponsonby  | N/A                                         | L1           | 196                       | Roots            | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14081792 | 8975872  | 70 Curran St      | Herne Bay | N/A                                         | L1           | 367                       | Roots            | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14090985 | 8980746  | 15 Faulder Ave    | Westmere  | N/A                                         | L1           | 163                       | Fat              | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091099 | 8801837  | 226 Garnet Rd     | Westmere  | -                                           | L2           | 4                         | Unknown          | 0        | Yes                      | Yes                | Yes         |
| 4/03/2018  | 14111156 | 8801673  | 34 Kingsley St    | Westmere  | N/A                                         | L1           | 525                       | Silts            | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130672 | 8980318  | 13 Tutaneikai St  | Grey Lynn | N/A                                         | L1           | 271                       | Roots            | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14163987 | 8980142  | 49 Kelmarna Ave   | Herne Bay | N/A                                         | L1           | 180                       | Surcharging      | 18.5     | No                       | No                 | Yes         |
| 23/03/2018 | 14164016 | 8980597  | 38 Francis St     | Grey Lynn | N/A                                         | L1           | 79                        | Rubbish          | 18.5     | No                       | No                 | Yes         |
| 27/03/2018 | 14169448 | 8801092  | 34 Prime Rd       | Grey Lynn | N/A                                         | L1           | 291                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14274435 | 8979677  | 3 Harcourt St     | Grey Lynn | N/A                                         | L1           | 467                       | Unknown          | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14275786 | 8980632  | 83 Garnet Rd      | Westmere  | N/A                                         | L1           | 247                       | Fat              | 0        | No                       | No                 | Yes         |
| 12/05/2018 | 14280546 | 8979526  | 8 Summer St       | Ponsonby  | N/A                                         | L1           | 442                       | Rags             | 9.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address        | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|----------------|-----------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 12/06/2018 | 14355974 | 8980109 | 10 John St     | Ponsonby  | N/A                                         | L1           | 456                       | Broken pipe | 17.5     | No                       | No                 | Yes         |
| 25/06/2018 | 14388009 | 8979698 | 110 Crummer Rd | Grey Lynn | N/A                                         | L1           | 578                       | Broken pipe | 25.5     | No                       | No                 | Yes         |

**Table 21: Overflows in the Central Auckland (CBD) Catchment Area**

| Date       | SR #     | Compkey  | Address             | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 4/07/2017  | 13616823 | 8971834  | 5 St Marys Rd       | Ponsonby         | N/A                                         | L1           | 673                       | Broken pipe | 0.54     | No                       | No                 | Yes         |
| 5/07/2017  | 13618905 | 9241923  | 4 Picton St         | Freemans Bay     | N/A                                         | L1           | 333                       | Roots       | 5.94     | No                       | No                 | Yes         |
| 15/07/2017 | 13638451 | 8972442  | 9 Spring St         | Freemans Bay     | N/A                                         | L1           | 207                       | Unknown     | 0        | No                       | No                 | Yes         |
| 15/07/2017 | 13638813 | 8793066  | 245 Hobson St       | Auckland Central | N/A                                         | L1           | 359                       | Unknown     | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640993 | 50252051 | 487A Parnell Rd     | Parnell          | N/A                                         | L1           | 133                       | Fat         | 3.5      | No                       | No                 | Yes         |
| 23/07/2017 | 13652975 | 9029031  | 18 Beach Rd         | Auckland Central | N/A                                         | L1           | 137                       | Fat         | 1        | No                       | No                 | Yes         |
| 26/07/2017 | 13658106 | 8970999  | 20 Pakenham St-E    | Auckland Central | N/A                                         | L1           | 144                       | Fat         | 0.5      | No                       | No                 | Yes         |
| 19/08/2017 | 13704030 | 8966379  | 6-8 Vulcan Lane     | Auckland Central | N/A                                         | L1           | 94                        | Fat         | 5.5      | No                       | No                 | Yes         |
| 22/08/2017 | 13708872 | 8966427  | Federal St          | Auckland Central | N/A                                         | L1           | 78                        | Fat         | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13719425 | 8820229  | Alten Rd            | Auckland Central | N/A                                         | L1           | 86                        | Broken Pipe | 10       | No                       | No                 | Yes         |
| 29/08/2017 | 13720052 | 8966489  | 135 Albert St       | Auckland Central | N/A                                         | L1           | 185                       | Fat         | 0        | No                       | No                 | Yes         |
| 11/09/2017 | 13744252 | 8966489  | 135 Albert St       | Auckland Central | N/A                                         | L1           | 192                       | Fat         | 7        | No                       | No                 | Yes         |
| 11/09/2017 | 13744367 | 9227251  | 20-26 Symonds St    | Grafton          | N/A                                         | L1           | 206                       | Fat         | 7        | No                       | No                 | Yes         |
| 12/09/2017 | 13747397 | 50252058 | 487A Parnell Rd     | Parnell          | N/A                                         | L1           | 60                        | Unknown     | 3        | No                       | No                 | Yes         |
| 13/09/2017 | 13749798 | 9003491  | Grafton Rd          | Auckland Central | N/A                                         | L1           | 151                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 15/09/2017 | 13753145 | 8966696  | 13 Gore St          | Auckland Central | N/A                                         | L1           | 381                       | Rags        | 7        | No                       | No                 | Yes         |
| 24/09/2017 | 13770493 | 9171810  | 1/3 Margaret St     | Freemans Bay     | -                                           | L2           | 134                       | Roots       | 0        | No                       | No                 | Yes         |
| 10/10/2017 | 13802122 | 8972365  | 121 Wellington St   | Freemans Bay     | N/A                                         | L1           | 378                       | Surcharging | 1        | No                       | No                 | Yes         |
| 13/10/2017 | 13808163 | 8971446  | Lv1/43 Sale St      | Auckland Central | N/A                                         | L1           | 398                       | Broken pipe | 1.5      | No                       | No                 | Yes         |
| 20/10/2017 | 13821931 | 8792806  | 104 Customs St-W    | Auckland Central | N/A                                         | L1           | 486                       | Unknown     | 0        | No                       | No                 | Yes         |
| 24/10/2017 | 13825836 | 9000690  | Ayr St              | Parnell          | N/A                                         | L1           | 429                       | Unknown     | 0        | No                       | No                 | Yes         |
| 1/11/2017  | 13844745 | 9003173  | 17 Whitaker Pl      | Grafton          | N/A                                         | L1           | 429                       | Fat         | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13860943 | 8971813  | 31 Wood St          | Freemans Bay     | N/A                                         | L1           | 204                       | Fat         | 0        | No                       | No                 | Yes         |
| 16/11/2017 | 13873691 | 8970999  | 14-18 Pakenham St-E | Auckland Central | N/A                                         | L1           | 468                       | Fat         | 0        | No                       | No                 | Yes         |
| 16/11/2017 | 13873715 | 8970757  | 217- Hobson St      | Auckland Central | N/A                                         | L1           | 585                       | Broken pipe | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey    | Address              | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|------------|----------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 25/11/2017 | 13897361 | 9000467    | 21 Alberon St        | Parnell          | 3-6                                         | L3           | 339                       | Foreign Object | 0        | Yes                      | Yes                | Yes         |
| 20/12/2017 | 13958573 | 8966352    | 196- Quay St         | Auckland Central | N/A                                         | L1           | 107                       | Fat            | 3        | No                       | No                 | Yes         |
| 17/01/2018 | 14006836 | 2000850599 | 66 Hobson St         | Auckland Central | N/A                                         | L1           | 103                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14019379 | 8966260    | Queen St             | Auckland Central | N/A                                         | L1           | 189                       | Unknown        | 14       | No                       | No                 | Yes         |
| 24/01/2018 | 14024752 | 8970938    | 2 Lower Hobson St    | Auckland Central | N/A                                         | L1           | 628                       | Rags           | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14044952 | 9003470    | Lv1+/60 Stanley St   | Parnell          | N/A                                         | L1           | 370                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14053005 | 8966859    | 166- Queen St        | Auckland Central | N/A                                         | L1           | 497                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066587 | 8966611    | Lv Lg1/85 Beach Rd   | Auckland Central | N/A                                         | L1           | 458                       | Rags           | 0        | No                       | No                 | Yes         |
| 18/02/2018 | 14077547 | 9224779    | 8 Georgina St        | Freemans Bay     | N/A                                         | L1           | 747                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14079026 | 8971369    | 49-63 Jellicoe St    | Auckland Central | N/A                                         | L1           | 562                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14083164 | 9171619    | 86-102 Customs St-W  | Auckland Central | N/A                                         | L1           | 367                       | Fat            | 0        | No                       | No                 | Yes         |
| 21/02/2018 | 14085113 | 9000467    | 69 St Georges Bay Rd | Parnell          | -                                           | L2           | 115                       | Unknown        | 0        | No                       | No                 | Yes         |
| 21/02/2018 | 14085827 | 8971246    | 95 Wellington St     | Freemans Bay     | N/A                                         | L1           | 574                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091697 | 8970999    | 14-18 Pakenham St-E  | Auckland Central | N/A                                         | L1           | 550                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14097310 | 8972396    | 80 Franklin Rd       | Freemans Bay     | N/A                                         | L1           | 375                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 28/02/2018 | 14102667 | 9003470    | Lv1+/60 Stanley St   | Parnell          | N/A                                         | L1           | 296                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105785 | 8972401    | 62 Franklin Rd       | Freemans Bay     | N/A                                         | L1           | 654                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111066 | 8970999    | 14-18 Pakenham St-E  | Auckland Central | N/A                                         | L1           | 218                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14118116 | 9224778    | 10 Georgina St       | Freemans Bay     | N/A                                         | L1           | 294                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14118575 | 8966836    | 27-31 Victoria St-E  | Auckland Central | N/A                                         | L1           | 185                       | Fat            | 6        | No                       | No                 | Yes         |
| 11/03/2018 | 14130642 | 8966209    | 27-31 Victoria St-E  | Auckland Central | N/A                                         | L1           | 528                       | Fat            | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14131882 | 8964190    | 20 Poynton Tce       | Auckland Central | N/A                                         | L1           | 460                       | Unknown        | 14       | No                       | No                 | Yes         |
| 12/03/2018 | 14133378 | 8971320    | 24-26 Hamer St       | Auckland Central | N/A                                         | L1           | 498                       | Fat            | 14       | No                       | No                 | Yes         |
| 13/03/2018 | 14134841 | 8964190    | 20 Poynton Tce       | Auckland Central | N/A                                         | L1           | 110                       | Rags           | 1        | No                       | No                 | Yes         |
| 13/03/2018 | 14136045 | 8966941    | 127 Vincent St       | Auckland Central | N/A                                         | L1           | 771                       | Roots          | 1        | No                       | No                 | Yes         |
| 15/03/2018 | 14143179 | 9247174    | Quay St              | Auckland Central | N/A                                         | L1           | 347                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14155942 | 8972194    | 14 Howe St           | Freemans Bay     | -                                           | L2           | 86                        | Roots          | 2        | No                       | No                 | Yes         |
| 21/03/2018 | 14156780 | 8970953    | 95-105 Customs St-E  | Auckland Central | N/A                                         | L2           | 190                       | Unknown        | 2        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                 | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 23/03/2018 | 14164024 | 8971064  | Nelson St               | Auckland Central | N/A                                         | L1           | 199                       | Surcharging    | 18.5     | No                       | No                 | Yes         |
| 24/03/2018 | 14164994 | 8789278  | 27-35 Victoria St-W     | Auckland Central | N/A                                         | L1           | 114                       | Surcharging    | 19.5     | No                       | No                 | Yes         |
| 27/03/2018 | 14170947 | 9003616  | 4 Alfred St             | Auckland Central | N/A                                         | L1           | 637                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/03/2018 | 14173686 | 9224754  | 3 Margaret St           | Freemans Bay     | N/A                                         | L1           | 628                       | Unknown        | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14176614 | 8971424  | 15 Westhaven Dr         | Auckland Central | N/A                                         | L1           | 562                       | Unknown        | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14186612 | 8966022  | 57-65 Symonds St        | Auckland Central | N/A                                         | L1           | 423                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 12/04/2018 | 14206505 | 8971584  | 27 New St               | Ponsonby         | N/A                                         | L1           | 96                        | Surcharging    | 4        | No                       | No                 | Yes         |
| 17/04/2018 | 14219146 | 8971320  | 184 Pakenham St-W       | Auckland Central | N/A                                         | L1           | 453                       | Foreign Object | 2        | No                       | No                 | Yes         |
| 27/05/2018 | 14318685 | 9000184  | 11F Burrows Ave         | Parnell          | N/A                                         | L1           | 523                       | Roots          | 8.97     | No                       | No                 | Yes         |
| 7/06/2018  | 14344731 | 9000405  | 11 Balfour Rd           | Parnell          | N/A                                         | L1           | 487                       | Fat            | 1        | No                       | No                 | Yes         |
| 15/06/2018 | 14364804 | 9050780  | 85-89 Quay St           | Auckland Central | N/A                                         | L1           | 523                       | Fat            | 3        | No                       | No                 | Yes         |
| 17/06/2018 | 14367343 | 8972333  | 52 Hepburn St           | Freemans Bay     | N/A                                         | L1           | 542                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 18/06/2018 | 14369141 | 8789766  | 204 Quay St             | Auckland Central | N/A                                         | L1           | 228                       | Broken pipe    | 1.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14372564 | 8789762  | 86-102 Customs St-W     | Auckland Central | N/A                                         | L1           | 503                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 25/06/2018 | 14388102 | 9249619  | 42 Carlton Gore Rd      | Newmarket        | N/A                                         | L1           | 605                       | Roots          | 25.5     | No                       | No                 | Yes         |
| 27/06/2018 | 14393524 | 8970930  | 86-102 Customs St-W     | Auckland Central | N/A                                         | L1           | 470                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 28/06/2018 | 14397107 | 8792818  | 86-102 Customs St-W     | Auckland Central | N/A                                         | L1           | 614                       | Foreign Object | 3.5      | No                       | No                 | Yes         |
| 30/06/2018 | 14401742 | 50056295 | 9 Glasgow Tce           | Newmarket        | N/A                                         | L1           | 222                       | Fat            | 0        | No                       | No                 | Yes         |
| 30/06/2018 | 14401847 | 8970999  | Wtr/14-18 Pakenham St-E | Auckland Central | N/A                                         | L1           | 157                       | Fat            | 0        | No                       | No                 | Yes         |

**Table 22: Overflows in the Hobson Bay Catchment Area**

| Date       | SR #     | Compkey  | Address              | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|-------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 1/07/2017  | 13611805 | 8986887  | 1/57 Patteson Ave    | Mission Bay | N/A                                         | L1           | 686                       | Rubbish     | 27.5     | No                       | No                 | Yes         |
| 2/07/2017  | 13612233 | 8989555  | 81 Market Rd         | Epsom       | N/A                                         | L1           | 126                       | Rubbish     | 10       | No                       | No                 | Yes         |
| 3/07/2017  | 13614157 | 8975654  | 1/36 Vale Rd         | St Heliers  | N/A                                         | L1           | 538                       | Unknown     | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13616009 | 8968465  | 29 Michaels Ave      | Ellerslie   | N/A                                         | L1           | 84                        | Fat         | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13617316 | 8975329  | 4 Challenger St      | St Heliers  | N/A                                         | L1           | 348                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13617247 | 8970502  | 2/38 Rangiatea Rd    | Epsom       | N/A                                         | L1           | 389                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13617271 | 8808466  | 7 Laxon Tce          | Newmarket   | N/A                                         | L1           | 598                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 5/07/2017  | 13618731 | 8968009  | 32 Koraha St         | Remuera     | N/A                                         | L1           | 524                       | Roots       | 6        | No                       | No                 | Yes         |
| 5/07/2017  | 13620431 | 8796899  | 7 Cliff Rd           | St Heliers  | N/A                                         | L1           | 288                       | Roots       | 6        | No                       | No                 | Yes         |
| 6/07/2017  | 13622334 | 50249457 | 17 Seccombes Rd      | Newmarket   | N/A                                         | L1           | 286                       | Rubbish     | 42.5     | No                       | No                 | Yes         |
| 6/07/2017  | 13623183 | 8989424  | 7 Laxon Tce          | Newmarket   | N/A                                         | L1           | 190                       | Unknown     | 42.5     | No                       | No                 | Yes         |
| 7/07/2017  | 13623828 | 8981366  | 1/62 Lucerne Rd      | Remuera     | N/A                                         | L1           | 82                        | Roots       | 3.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13623933 | 8825697  | 318 Victoria Ave     | Remuera     | N/A                                         | L1           | 76                        | Rubbish     | 3.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624182 | 8806324  | 48 Atkin Ave         | Mission Bay | N/A                                         | L1           | 190                       | Surcharging | 3.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624503 | 1944819  | 77 Portland Rd       | Remuera     | N/A                                         | L1           | 303                       | Rubbish     | 3.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624595 | 8790169  | 14 Koraha St         | Remuera     | N/A                                         | L1           | 503                       | Unknown     | 3.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624652 | 8817321  | 2/6 Tawera Rd        | Greenlane   | N/A                                         | L1           | 109                       | Unknown     | 3.5      | No                       | No                 | Yes         |
| 8/07/2017  | 13625633 | 8790679  | 122 Norman Lesser Dr | St Johns    | N/A                                         | L1           | 149                       | Roots       | 9        | No                       | No                 | Yes         |
| 13/07/2017 | 13635199 | 8990342  | 17 Seccombes Rd      | Newmarket   | N/A                                         | L1           | 383                       | Broken Pipe | 9        | No                       | No                 | Yes         |
| 14/07/2017 | 13637801 | 8799684  | 35 Geraldine Pl      | Kohimarama  | N/A                                         | L1           | 108                       | Unknown     | 2        | No                       | No                 | Yes         |
| 15/07/2017 | 13638435 | 9037772  | 1/195 Tamaki Dr      | Kohimarama  | -                                           | L2           | 178                       | Unknown     | 0        | No                       | No                 | Yes         |
| 15/07/2017 | 13638446 | 8896634  | 1/42 Challenger St   | St Heliers  | N/A                                         | L1           | 381                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/07/2017 | 13638473 | 8981801  | 129 Orakei Rd        | Remuera     | N/A                                         | L1           | 192                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/07/2017 | 13638561 | 8981394  | 1/7 Lucerne Rd       | Remuera     | N/A                                         | L1           | 575                       | Unknown     | 0        | No                       | No                 | Yes         |
| 15/07/2017 | 13638613 | 8967706  | 120 Abbotts Way      | Remuera     | N/A                                         | L1           | 373                       | Unknown     | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|-------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 17/07/2017 | 13641371 | 8786700  | 1 Towle Pl           | Remuera     | N/A                                         | L1           | 304                       | Roots       | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641806 | 8981368  | 46 Waiatarua Rd      | Remuera     | N/A                                         | L1           | 53                        | Roots       | 0        | No                       | No                 | Yes         |
| 20/07/2017 | 13649267 | 8808466  | 7 Laxon Tce          | Newmarket   | N/A                                         | L1           | 157                       | Surcharging | 16.5     | No                       | No                 | Yes         |
| 21/07/2017 | 13650467 | 8968526  | 198A Main Highway    | Ellerslie   | N/A                                         | L1           | 140                       | Fat         | 24       | No                       | No                 | Yes         |
| 21/07/2017 | 13650590 | 8791265  | 206A Main Highway    | Ellerslie   | N/A                                         | L1           | 155                       | Rubbish     | 24       | No                       | No                 | Yes         |
| 21/07/2017 | 13651043 | 8818904  | 32B John Rymer Pl    | Kohimarama  | N/A                                         | L1           | 212                       | Fat         | 24       | No                       | No                 | Yes         |
| 22/07/2017 | 13652426 | 9001693  | 31 Rutherford Tce    | Meadowbank  | N/A                                         | L1           | 414                       | Unknown     | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652142 | 8968534  | 2/204 Main Highway   | Ellerslie   | N/A                                         | L1           | 161                       | Rubbish     | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652305 | 8818750  | 140A St Johns Rd     | Meadowbank  | N/A                                         | L1           | 496                       | Unknown     | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652519 | 9225605  | 14 Entrican Ave      | Remuera     | N/A                                         | L1           | 306                       | Rubbish     | 14       | No                       | No                 | Yes         |
| 24/07/2017 | 13653907 | 8981394  | 1/7 Lucerne Rd       | Remuera     | N/A                                         | L1           | 66                        | Surcharging | 3        | No                       | No                 | Yes         |
| 26/07/2017 | 13658215 | 8989543  | 21 Mt St John Ave    | Epsom       | N/A                                         | L1           | 179                       | Roots       | 1.5      | No                       | No                 | Yes         |
| 28/07/2017 | 13664118 | 9000988  | 3 Aldred Rd          | Remuera     | N/A                                         | L1           | 227                       | Roots       | 4.5      | No                       | No                 | Yes         |
| 29/07/2017 | 13665273 | 9042588  | 308 Victoria Ave     | Remuera     | N/A                                         | L1           | 132                       | Roots       | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13667769 | 9042579  | 295 Victoria Ave     | Remuera     | N/A                                         | L1           | 543                       | Roots       | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13671645 | 50107311 | 138A Gowing Dr       | Meadowbank  | N/A                                         | L1           | 376                       | Fat         | 16       | No                       | No                 | Yes         |
| 2/08/2017  | 13672768 | 8967367  | 119 Norman Lesser Dr | St Johns    | N/A                                         | L1           | 140                       | Roots       | 16       | No                       | No                 | Yes         |
| 3/08/2017  | 13673893 | 9029773  | 2 Onslow Ave         | Epsom       | -                                           | L2           | 109                       | Fat         | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678551 | 8968376  | 8 Grand Dr           | Remuera     | N/A                                         | L1           | 500                       | Unknown     | 1        | No                       | No                 | Yes         |
| 8/08/2017  | 13683216 | 8990302  | 6G Domett Ave        | Epsom       | N/A                                         | L1           | 150                       | Unknown     | 3.5      | No                       | No                 | Yes         |
| 10/08/2017 | 13686727 | 8986833  | 1/130 Selwyn Ave     | Mission Bay | N/A                                         | L1           | 73                        | Fat         | 1        | No                       | No                 | Yes         |
| 10/08/2017 | 13687952 | 8990299  | 10 Bracken Ave       | Epsom       | N/A                                         | L1           | 244                       | Unknown     | 1        | No                       | No                 | Yes         |
| 10/08/2017 | 13687994 | 8968049  | 25 Wimbledon Way     | Remuera     | N/A                                         | L1           | 332                       | Unknown     | 1        | No                       | No                 | Yes         |
| 10/08/2017 | 13688116 | 8978926  | 4 Berowald Pl        | St Heliers  | N/A                                         | L1           | 240                       | Unknown     | 1        | No                       | No                 | Yes         |
| 12/08/2017 | 13690555 | 8986887  | 48A Patteson Ave     | Mission Bay | 5                                           | L3           | 379                       | Silts       | 0        | Yes                      | Yes                | Yes         |
| 13/08/2017 | 13691040 | 9029814  | 110 Meadowbank Rd    | Meadowbank  | N/A                                         | L1           | 437                       | Roots       | 9        | No                       | No                 | Yes         |
| 15/08/2017 | 13694928 | 8981064  | 21 Harapaki Rd       | Meadowbank  | N/A                                         | L1           | 140                       | Roots       | 3.5      | No                       | No                 | Yes         |
| 15/08/2017 | 13695487 | 8967755  | 18A Pyatt Cres       | Meadowbank  | N/A                                         | L1           | 545                       | Roots       | 3.5      | No                       | No                 | Yes         |



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|------------|----------|---------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 18/08/2017 | 13701993 | 8990023 | 6-8 Kingdon St       | Newmarket     | N/A                                         | L1           | 145                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 20/08/2017 | 13704351 | 844284  | 6/52 Amy St          | Ellerslie     | N/A                                         | L1           | 297                       | Unknown        | 4        | No                       | No                 | Yes         |
| 21/08/2017 | 13706496 | 8989274 | 1/8 Macmurray Rd     | Remuera       | N/A                                         | L1           | 253                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 23/08/2017 | 13711342 | 8817765 | 20 St Stephens Ave   | Parnell       | N/A                                         | L1           | 114                       | Roots          | 0        | No                       | No                 | Yes         |
| 24/08/2017 | 13712861 | 8978429 | 32A Towai St         | St Heliers    | N/A                                         | L1           | 597                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 25/08/2017 | 13715196 | 8989391 | 11 Ayr St            | Parnell       | -                                           | L2           | 490                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715696 | 8786719 | 11D Monteith Cres    | Remuera       | N/A                                         | L1           | 195                       | Fat            | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715867 | 8967521 | 49 Ballarat St       | Mt Wellington | N/A                                         | L1           | 220                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/08/2017 | 13716233 | 8975754 | 21 Brilliant St      | St Heliers    | N/A                                         | L1           | 183                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/08/2017 | 13716278 | 5231347 | 28 Balmoral Rd       | Mt Eden       | N/A                                         | L1           | 101                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13718276 | 8989391 | 11 Ayr St            | Parnell       | N/A                                         | L1           | 286                       | Fat            | 13.5     | No                       | No                 | Yes         |
| 28/08/2017 | 13718550 | 8981799 | 23 Benson Rd         | Remuera       | N/A                                         | L1           | 637                       | Fat            | 13.5     | No                       | No                 | Yes         |
| 28/08/2017 | 13719521 | 8986984 | 250 Kepa Rd          | Mission Bay   | N/A                                         | L1           | 126                       | Roots          | 13.5     | No                       | No                 | Yes         |
| 29/08/2017 | 13719963 | 8968605 | 195 Main Highway     | Ellerslie     | N/A                                         | L1           | 96                        | Fat            | 0        | No                       | No                 | Yes         |
| 31/08/2017 | 13725282 | 9010016 | 73 Victoria Ave      | Remuera       | N/A                                         | L1           | 384                       | Roots          | 18       | No                       | No                 | Yes         |
| 31/08/2017 | 13725987 | 8967324 | 124 Norman Lesser Dr | St Johns      | N/A                                         | L1           | 186                       | Roots          | 18       | No                       | No                 | Yes         |
| 31/08/2017 | 13726045 | 8969048 | 43B Greenlane East   | Remuera       | N/A                                         | L1           | 121                       | Roots          | 18       | No                       | No                 | Yes         |
| 3/09/2017  | 13729447 | 8970506 | 85 King George Ave   | Epsom         | N/A                                         | L1           | 62                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 3/09/2017  | 13729451 | 9001730 | 31 John Rymer Pl     | Kohimarama    | N/A                                         | L1           | 259                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 3/09/2017  | 13729247 | 8981368 | 46 Waiatarua Rd      | Remuera       | N/A                                         | L1           | 457                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 5/09/2017  | 13734187 | 9001727 | 31 John Rymer Pl     | Kohimarama    | N/A                                         | L1           | 126                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 6/09/2017  | 13735452 | 8968605 | 195 Main Highway     | Ellerslie     | N/A                                         | L1           | 102                       | Fat            | 9        | No                       | No                 | Yes         |
| 6/09/2017  | 13736911 | 8987266 | 31 Godden Cres       | Mission Bay   | N/A                                         | L1           | 249                       | Roots          | 9        | No                       | No                 | Yes         |
| 6/09/2017  | 13736021 | 9227025 | 77 Portland Rd       | Remuera       | N/A                                         | L1           | 116                       | Roots          | 9        | No                       | No                 | Yes         |
| 6/09/2017  | 13736758 | 8799733 | 1 Pycroft Pl         | St Heliers    | N/A                                         | L1           | 151                       | Broken Pipe    | 9        | No                       | No                 | Yes         |
| 7/09/2017  | 13739336 | 8989564 | 75A Market Rd        | Epsom         | N/A                                         | L1           | 90                        | Roots          | 3        | No                       | No                 | Yes         |
| 8/09/2017  | 13741362 | 8967427 | 52 Panapa Dr         | St Johns      | N/A                                         | L1           | 229                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 11/09/2017 | 13744658 | 9225548 | 8 Appleyard Cres     | Meadowbank    | N/A                                         | L1           | 20                        | Foreign Object | 4        | No                       | No                 | Yes         |

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|------------|----------|---------|-----------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 11/09/2017 | 13745324 | 8990120 | 83 Remuera Rd         | Remuera     | N/A                                         | L1           | 152                       | Fat            | 4        | No                       | No                 | Yes         |
| 12/09/2017 | 13746109 | 9000981 | 83 Portland Rd        | Remuera     | N/A                                         | L1           | 155                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 17/09/2017 | 13757040 | 8981367 | 46 Waiatarua Rd       | Remuera     | N/A                                         | L1           | 660                       | Roots          | 14.5     | No                       | No                 | Yes         |
| 18/09/2017 | 13758044 | 8975536 | 24C Rarangi Rd        | St Heliers  | N/A                                         | L1           | 123                       | Rubbish        | 12       | No                       | No                 | Yes         |
| 18/09/2017 | 13758361 | 8975528 | 42C Rarangi Rd        | St Heliers  | N/A                                         | L1           | 520                       | Roots          | 12       | No                       | No                 | Yes         |
| 20/09/2017 | 13763589 | 8979216 | 1/3 Southern Cross Rd | Kohimarama  | N/A                                         | L1           | 80                        | Unknown        | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13764410 | 9225624 | 34 Dell Ave           | Remuera     | N/A                                         | L1           | 332                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/09/2017 | 13770087 | 8989888 | 5 Cornwall Park Ave   | Epsom       | N/A                                         | L1           | 263                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/09/2017 | 13769971 | 8967326 | 122 Norman Lesser Dr  | St Johns    | -                                           | L2           | 566                       | Roots          | 0        | Yes                      | Yes                | Yes         |
| 24/09/2017 | 13770360 | 8799965 | 68 Grampian Rd        | St Heliers  | N/A                                         | L1           | 567                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772165 | 8791260 | 36B Ballin St         | Ellerslie   | N/A                                         | L1           | 505                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772234 | 9051115 | 22C Challenger St     | St Heliers  | N/A                                         | L1           | 583                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772820 | 9242210 | 29 Tuhaere St         | Orakei      | N/A                                         | L1           | 108                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13773260 | 8800278 | 91B Edmund St         | St Heliers  | N/A                                         | L1           | 143                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 26/09/2017 | 13775492 | 8996546 | 34A Awarua Cres       | Orakei      | N/A                                         | L1           | 476                       | Roots          | 11       | No                       | No                 | Yes         |
| 26/09/2017 | 13775204 | 8996080 | 55 Ngake St           | Orakei      | N/A                                         | L1           | 633                       | Foreign Object | 11       | No                       | No                 | Yes         |
| 28/09/2017 | 13778927 | 8986886 | 50A Patteson Ave      | Mission Bay | N/A                                         | L1           | 135                       | Roots          | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13780341 | 8814213 | 79 Tautari St         | Orakei      | -                                           | L2           | 71                        | Unknown        | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13781824 | 9225548 | 8 Appleyard Cres      | Meadowbank  | N/A                                         | L1           | 145                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 29/09/2017 | 13781519 | 5240618 | 16A Mahoe Ave         | Remuera     | N/A                                         | L1           | 89                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 30/09/2017 | 13783381 | 9225616 | 2 Appleyard Cres      | Meadowbank  | N/A                                         | L1           | 684                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 1/10/2017  | 13783817 | 8986886 | 50A Patteson Ave      | Mission Bay | N/A                                         | L1           | 744                       | Silts          | 20       | No                       | No                 | Yes         |
| 1/10/2017  | 13783769 | 8981053 | 1/76 Temple St        | Meadowbank  | N/A                                         | L1           | 167                       | Unknown        | 20       | No                       | No                 | Yes         |
| 3/10/2017  | 13787493 | 8986886 | 50 Patteson Ave       | Mission Bay | N/A                                         | L1           | 73                        | Silts          | 0.5      | No                       | No                 | Yes         |
| 3/10/2017  | 13788493 | 8989385 | 132 Bassett Rd        | Remuera     | -                                           | L2           | 176                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 3/10/2017  | 13788688 | 9001227 | 11 Eastbourne Rd      | Remuera     | N/A                                         | L1           | 84                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13790272 | 8808952 | 15 Edgerley Ave       | Newmarket   | N/A                                         | L1           | 552                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13791934 | 8996224 | 86C Coates Ave        | Orakei      | N/A                                         | L1           | 64                        | Rags           | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|-----------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 6/10/2017  | 13795783 | 8968912 | 14A Somerfield St     | Ellerslie   | N/A                                         | L1           | 259                       | Broken Pipe    | 1.5      | No                       | No                 | Yes         |
| 6/10/2017  | 13795146 | 8969394 | 27A Armadale Rd       | Remuera     | N/A                                         | L1           | 149                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 6/10/2017  | 13794113 | 9247251 | 8 Ohinerau St         | Remuera     | N/A                                         | L1           | 175                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 6/10/2017  | 13795197 | 8796855 | 1/41 Sylvia Rd        | St Heliers  | N/A                                         | L1           | 336                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 7/10/2017  | 13796254 | 8986846 | 8 Selwyn Ave          | Mission Bay | N/A                                         | L1           | 601                       | Unknown        | 6        | No                       | No                 | Yes         |
| 8/10/2017  | 13796921 | 8825730 | 8 Ross St             | Remuera     | N/A                                         | L1           | 266                       | Roots          | 14       | No                       | No                 | Yes         |
| 8/10/2017  | 13797033 | 8968190 | 9 Richard Farrell Ave | Remuera     | N/A                                         | L1           | 414                       | Roots          | 14       | No                       | No                 | Yes         |
| 9/10/2017  | 13797511 | 8800215 | 310A Kohimarama Rd    | Kohimarama  | N/A                                         | L1           | 163                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/10/2017 | 13801190 | 8985277 | 24 Mt Hobson Rd       | Remuera     | N/A                                         | L1           | 621                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 10/10/2017 | 13800185 | 8975753 | 6 Brilliant St        | St Heliers  | N/A                                         | L1           | 90                        | Unknown        | 1.5      | No                       | No                 | Yes         |
| 14/10/2017 | 13809732 | 8967806 | 116 Grand Dr          | Remuera     | N/A                                         | L1           | 118                       | Fat            | 2        | No                       | No                 | Yes         |
| 15/10/2017 | 13810323 | 8968359 | 233 Main Highway      | Ellerslie   | -                                           | L2           | 596                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13811326 | 5244425 | 33A Sylvia Rd         | St Heliers  | N/A                                         | L1           | 222                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812164 | 8981011 | 5 Fancourt St         | Meadowbank  | N/A                                         | L1           | 447                       | Unknown        | 0        | No                       | No                 | Yes         |
| 17/10/2017 | 13815288 | 8989415 | 132 Bassett Rd        | Remuera     | -                                           | L2           | 135                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 17/10/2017 | 13814359 | 8968017 | 1/32A Maungarei Rd    | Remuera     | N/A                                         | L1           | 59                        | Roots          | 0        | No                       | No                 | Yes         |
| 19/10/2017 | 13820248 | 8968521 | 182- Main Highway     | Ellerslie   | N/A                                         | L1           | 453                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/10/2017 | 13824596 | 8790191 | 6 Liley Pl            | Remuera     | N/A                                         | L1           | 301                       | Unknown        | 9.5      | No                       | No                 | Yes         |
| 25/10/2017 | 13828110 | 8990298 | 1/209 Manukau Rd      | Epsom       | N/A                                         | L1           | 190                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13829766 | 8978992 | 17 Herne Bay Rd       | Herne Bay   | N/A                                         | L1           | 229                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13828603 | 8996516 | 3/69 Coates Ave       | Orakei      | N/A                                         | L1           | 114                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 27/10/2017 | 13833604 | 8975604 | Vale Rd               | St Heliers  | N/A                                         | L1           | 112                       | Unknown        | 7.5      | No                       | No                 | Yes         |
| 27/10/2017 | 13833909 | 9000378 | 9 Laurie Ave          | Parnell     | N/A                                         | L1           | 112                       | Roots          | 7.5      | No                       | No                 | Yes         |
| 27/10/2017 | 13835055 | 8808728 | 15 Kent St            | Newmarket   | N/A                                         | L1           | 367                       | Roots          | 7.5      | No                       | No                 | Yes         |
| 28/10/2017 | 13835637 | 8968052 | 6 Liley Pl            | Remuera     | N/A                                         | L1           | 308                       | Silts          | 4.5      | No                       | No                 | Yes         |
| 30/10/2017 | 13838947 | 8978992 | 17 Herne Bay Rd       | Herne Bay   | N/A                                         | L1           | 308                       | Roots          | 0        | No                       | No                 | Yes         |
| 30/10/2017 | 13838318 | 8808147 | 84-86 Great South Rd  | Remuera     | N/A                                         | L1           | 235                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 31/10/2017 | 13841611 | 8969182 | 64- St Vincent Ave    | Remuera     | N/A                                         | L1           | 150                       | Unknown        | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|------------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/11/2017  | 13843130 | 8978817 | 259A St Heliers Bay Rd | St Heliers  | N/A                                         | L1           | 23                        | Surcharging    | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13845548 | 8996415 | 30 Ngapipi Rd          | Orakei      | N/A                                         | L1           | 119                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13850312 | 9001840 | 244 Orakei Rd          | Remuera     | N/A                                         | L1           | 181                       | Fat            | 1        | No                       | No                 | Yes         |
| 3/11/2017  | 13849818 | 8969182 | 64- St Vincent Ave     | Remuera     | N/A                                         | L1           | 248                       | Roots          | 1        | No                       | No                 | Yes         |
| 3/11/2017  | 13849644 | 8975708 | 39 Sylvia Rd           | St Heliers  | N/A                                         | L1           | 634                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 5/11/2017  | 13851538 | 8967854 | 64 Monteith Cres       | Remuera     | N/A                                         | L1           | 631                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 9/11/2017  | 13860266 | 8986770 | 68 Selwyn Ave          | Mission Bay | N/A                                         | L1           | 68                        | Roots          | 0        | No                       | No                 | Yes         |
| 9/11/2017  | 13860567 | 8817690 | 9/29A St Stephens Ave  | Parnell     | N/A                                         | L1           | 554                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863160 | 9207611 | 37 Rarangi Rd          | St Heliers  | N/A                                         | L1           | 521                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13864270 | 8967744 | 5 Pyatt Cres           | Meadowbank  | N/A                                         | L1           | 96                        | Fat            | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13870870 | 8986820 | 140 Selwyn Ave         | Mission Bay | N/A                                         | L1           | 115                       | Unknown        | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13871197 | 8975553 | 12 Springcombe Rd      | St Heliers  | N/A                                         | L1           | 554                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13877589 | 8981242 | 22 Corinth St          | Remuera     | N/A                                         | L1           | 335                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 18/11/2017 | 13879493 | 8967579 | 9 Raphoe Pl            | Ellerslie   | N/A                                         | L1           | 253                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 18/11/2017 | 13879407 | 9034035 | 1/16 Glover Rd         | St Heliers  | N/A                                         | L1           | 308                       | Roots          | 3.5      | No                       | No                 | Yes         |
| 20/11/2017 | 13884293 | 8986934 | 51 Kildare Ave         | Glendowie   | N/A                                         | L1           | 178                       | Roots          | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13881942 | 8978204 | 25 Glen Atkinson St    | St Heliers  | 10                                          | L3           | 152                       | Broken pipe    | 0        | Yes                      | Yes                | Yes         |
| 25/11/2017 | 13897368 | 8979100 | 336A Kohimarama Rd     | Kohimarama  | -                                           | L2           | 351                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897169 | 8975425 | 128 Long Dr            | St Heliers  | N/A                                         | L1           | 491                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900710 | 8979216 | 2 Sprott Rd            | Kohimarama  | N/A                                         | L1           | 253                       | Unknown        | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900238 | 8986996 | 119A Atkin Ave         | Mission Bay | -                                           | L2           | 291                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13901526 | 9034035 | 1/16 Glover Rd         | St Heliers  | N/A                                         | L1           | 19                        | Silts          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13901315 | 8968263 | 73 Celtic Cres         | Ellerslie   | N/A                                         | L1           | 143                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13904262 | 8981120 | 6-22 Mt Carmel Pl      | Meadowbank  | N/A                                         | L1           | 578                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/11/2017 | 13911730 | 8802562 | 37 Entrican Ave        | Remuera     | N/A                                         | L1           | 152                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 5/12/2017  | 13920349 | 8968376 | 8 Grand Dr             | Remuera     | N/A                                         | L1           | 186                       | Fat            | 0        | No                       | No                 | Yes         |
| 7/12/2017  | 13928953 | 8989657 | 229 Remuera Rd         | Remuera     | N/A                                         | L1           | 57                        | Roots          | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13934936 | 8970450 | 12A Norana Ave         | Remuera     | N/A                                         | L1           | 58                        | Fat            | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address           | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-------------------|-------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 11/12/2017 | 13936860 | 8970328 | 2 Marama Ave      | Epsom       | N/A                                         | L1           | 135                       | Silts            | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13940976 | 8975228 | 93 Panapa Dr      | St Johns    | N/A                                         | L1           | 173                       | Roots            | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13942043 | 8968876 | 2 Ramsgate St     | Ellerslie   | N/A                                         | L1           | 26                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13947679 | 9023445 | 10 Sage Rd        | Kohimarama  | N/A                                         | L1           | 506                       | Roots            | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13948186 | 8970615 | 45 Disraeli St    | Mt Eden     | N/A                                         | L1           | 307                       | Unknown          | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13948504 | 8996531 | 12 Okahu St       | Orakei      | N/A                                         | L1           | 320                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13955248 | 9225379 | 72 Tamaki Dr      | Mission Bay | N/A                                         | L1           | 566                       | Roots            | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13956605 | 8968291 | 6/32B Ballarat St | Ellerslie   | N/A                                         | L1           | 242                       | Roots            | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13959247 | 9001525 | 312 Remuera Rd    | Remuera     | N/A                                         | L1           | 199                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 21/12/2017 | 13962847 | 8981833 | 36A Upland Rd     | Remuera     | N/A                                         | L1           | 169                       | Roots            | 0        | No                       | No                 | Yes         |
| 28/12/2017 | 13971849 | 8968426 | 1/101 Abbotts Way | Remuera     | N/A                                         | L1           | 228                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/12/2017 | 13973966 | 8986986 | 47 Godden Cres    | Mission Bay | N/A                                         | L1           | 76                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977840 | 9000144 | Judges Bay Rd     | Parnell     | N/A                                         | L1           | 129                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13989817 | 8989980 | 3/211 Manukau Rd  | Epsom       | N/A                                         | L1           | 668                       | Unknown          | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13991990 | 8970553 | 2/22 Arcadia Rd   | Epsom       | N/A                                         | L1           | 102                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13994126 | 8989980 | 3/211 Manukau Rd  | Epsom       | N/A                                         | L1           | 111                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13994650 | 8968908 | 3 Kentucky St     | Ellerslie   | N/A                                         | L1           | 107                       | Unknown          | 0        | No                       | No                 | Yes         |
| 12/01/2018 | 13999943 | 8987257 | 21 Atkin Ave      | Mission Bay | 6                                           | L3           | 548                       | Silts            | 0        | Yes                      | Yes                | Yes         |
| 14/01/2018 | 14000422 | 8987257 | 7D Atkin Ave      | Mission Bay | 6                                           | L3           | 221                       | Silts            | 0        | Yes                      | Yes                | Yes         |
| 18/01/2018 | 14012832 | 8967843 | 6A Mcfarland St   | Remuera     | N/A                                         | L1           | 552                       | Rags             | 42.5     | No                       | No                 | Yes         |
| 19/01/2018 | 14015540 | 8989485 | 43 Tawera Rd      | Greenlane   | N/A                                         | L1           | 78                        | Surcharging      | 6.5      | No                       | No                 | Yes         |
| 21/01/2018 | 14016688 | 8968280 | 40 Grand Dr       | Remuera     | N/A                                         | L1           | 163                       | Roots            | 1.5      | No                       | No                 | Yes         |
| 22/01/2018 | 14020027 | 8989980 | 4/211 Manukau Rd  | Epsom       | N/A                                         | L1           | 126                       | Unknown          | 14.5     | No                       | No                 | Yes         |
| 23/01/2018 | 14022271 | 8808106 | 446- Manukau Rd   | Epsom       | N/A                                         | L1           | 75                        | Surcharging      | 0.5      | No                       | No                 | Yes         |
| 23/01/2018 | 14022598 | 8969417 | 26 Lillington Rd  | Remuera     | N/A                                         | L1           | 339                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 24/01/2018 | 14023714 | 8970424 | 446- Manukau Rd   | Epsom       | N/A                                         | L1           | 458                       | Rags             | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14025445 | 8968009 | 30 Koraha St      | Remuera     | N/A                                         | L1           | 170                       | Unknown          | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14030636 | 9227013 | Bassett Rd        | Remuera     | 2                                           | L2           | 168                       | Foreign Object   | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 28/01/2018 | 14032224 | 8967671  | 17 Coldham Cres       | Meadowbank  | N/A                                         | L1           | 436                       | Unknown          | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038072 | 8990231  | 2 Erin St             | Epsom       | N/A                                         | L1           | 509                       | Unknown          | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14037133 | 8989980  | 4/211 Manukau Rd      | Epsom       | N/A                                         | L1           | 227                       | Unknown          | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038367 | 8968115  | 3A Haast St           | Remuera     | N/A                                         | L1           | 510                       | Roots            | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14037988 | 8987211  | 2 Comins Cres         | Mission Bay | N/A                                         | L1           | 618                       | Roots            | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14042691 | 8818582  | 17 Garden Rd          | Remuera     | N/A                                         | L1           | 132                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 2/02/2018  | 14044345 | 8968115  | 3A Haast St           | Remuera     | N/A                                         | L1           | 650                       | Unknown          | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14045844 | 8981270  | 88 Lucerne Rd         | Remuera     | N/A                                         | L1           | 406                       | Roots            | 26.5     | No                       | No                 | Yes         |
| 4/02/2018  | 14046887 | 8986986  | 47 Godden Cres        | Mission Bay | N/A                                         | L1           | 137                       | 3rd party damage | 9        | No                       | No                 | Yes         |
| 8/02/2018  | 14054729 | 9207113  | 118 Mountain Rd       | Epsom       | N/A                                         | L1           | 91                        | Rags             | 0        | No                       | No                 | Yes         |
| 9/02/2018  | 14057736 | 8967871  | 70 Grand Dr           | Remuera     | N/A                                         | L1           | 411                       | Fat              | 17.5     | No                       | No                 | Yes         |
| 10/02/2018 | 14059957 | 8969381  | 29 Market Rd          | Remuera     | N/A                                         | L1           | 43                        | Unknown          | 19.5     | No                       | No                 | Yes         |
| 11/02/2018 | 14060702 | 50030773 | 3/60 Comins Cres      | Mission Bay | N/A                                         | L1           | 520                       | Surcharging      | 47.5     | No                       | No                 | Yes         |
| 11/02/2018 | 14060907 | 8990003  | 1/1 Short St          | Newmarket   | N/A                                         | L1           | 176                       | Fat              | 47.5     | No                       | No                 | Yes         |
| 12/02/2018 | 14063066 | 8975265  | 62 Long Dr            | St Heliers  | N/A                                         | L1           | 125                       | Unknown          | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064164 | 8968115  | 3A Haast St           | Remuera     | N/A                                         | L1           | 113                       | Unknown          | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067075 | 8969467  | 39A Tawera Rd         | Greenlane   | N/A                                         | L1           | 551                       | Unknown          | 23       | No                       | No                 | Yes         |
| 14/02/2018 | 14070955 | 8999668  | 87 Wheturangi Rd      | Greenlane   | N/A                                         | L1           | 239                       | Roots            | 8.5      | No                       | No                 | Yes         |
| 14/02/2018 | 14069532 | 8814322  | 6 Rewiti St           | Orakei      | N/A                                         | L1           | 435                       | Broken pipe      | 8.5      | No                       | No                 | Yes         |
| 15/02/2018 | 14073252 | 8818443  | 27 Shore Rd           | Remuera     | N/A                                         | L1           | 152                       | Silts            | 0.5      | No                       | No                 | Yes         |
| 15/02/2018 | 14073530 | 9172141  | 33 Tephra Blvd        | St Johns    | N/A                                         | L1           | 205                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 16/02/2018 | 14076425 | 50224176 | 91 Lucerne Rd         | Remuera     | N/A                                         | L1           | 191                       | Roots            | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14077095 | 8981766  | 26 Dell Ave           | Remuera     | N/A                                         | L1           | 201                       | Unknown          | 0        | No                       | No                 | Yes         |
| 18/02/2018 | 14077679 | 9001819  | 54 Thatcher St        | Mission Bay | N/A                                         | L1           | 436                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14078334 | 9001693  | 31 Rutherford Tce     | Meadowbank  | N/A                                         | L1           | 109                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 21/02/2018 | 14086925 | 9011136  | 202 Orakei Rd         | Remuera     | -                                           | L3           | 225                       | Unknown          | 1.5      | Yes                      | Yes                | Yes         |
| 24/02/2018 | 14093099 | 8970487  | 3 Alba Rd             | Epsom       | N/A                                         | L1           | 596                       | Fat              | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094452 | 8978786  | 253 St Heliers Bay Rd | St Heliers  | N/A                                         | L1           | 478                       | Roots            | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|--------------------|------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 26/02/2018 | 14096316 | 8989391 | 150A Bassett Rd    | Remuera    | -                                           | L2           | 67                        | Silts            | 0        | Yes                      | Yes                | Yes         |
| 1/03/2018  | 14106268 | 8996404 | 88 Paritai Dr      | Orakei     | -                                           | L3           | 247                       | Surcharging      | 0.5      | Yes                      | Yes                | Yes         |
| 3/03/2018  | 14110093 | 8967588 | 73 Celtic Cres     | Ellerslie  | N/A                                         | L1           | 218                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 5/03/2018  | 14114806 | 8968338 | 1/44 Michaels Ave  | Ellerslie  | N/A                                         | L1           | 124                       | Fat              | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14115663 | 8814259 | 48 Tautari St      | Orakei     | N/A                                         | L1           | 153                       | Roots            | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14127399 | 8814274 | 8 Ngaio St         | Orakei     | N/A                                         | L1           | 48                        | Unknown          | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14129507 | 8801916 | 30 Seascape Rd     | Remuera    | N/A                                         | L1           | 475                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14129815 | 8968908 | 3 Kentucky St      | Ellerslie  | N/A                                         | L1           | 118                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130523 | 8967668 | 17 Coldham Cres    | Meadowbank | N/A                                         | L1           | 486                       | Fat              | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14133254 | 9001538 | 8 Westbury Cres    | Remuera    | N/A                                         | L1           | 184                       | Surcharging      | 19       | No                       | No                 | Yes         |
| 16/03/2018 | 14144265 | 8790564 | 8 Ruka Lane        | St Johns   | N/A                                         | L1           | 85                        | Roots            | 0        | No                       | No                 | Yes         |
| 16/03/2018 | 14144383 | 8791658 | 80-100 Ascot Ave   | Greenlane  | N/A                                         | L1           | 165                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14148929 | 8970372 | 1 Emerald St       | Epsom      | N/A                                         | L1           | 36                        | Unknown          | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14149755 | 9000857 | 52 Shore Rd        | Remuera    | N/A                                         | L1           | 613                       | Roots            | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14155349 | 8978609 | 25A Piccadilly Pl  | Kohimarama | N/A                                         | L1           | 69                        | Roots            | 0        | No                       | No                 | Yes         |
| 24/03/2018 | 14164891 | 8802010 | 120A Lucerne Rd    | Remuera    | N/A                                         | L1           | 69                        | Surcharging      | 10       | No                       | No                 | Yes         |
| 25/03/2018 | 14165684 | 8967427 | Panapa Dr          | St Johns   | N/A                                         | L1           | 139                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 28/03/2018 | 14173023 | 8975489 | 88B Maskell St     | St Heliers | N/A                                         | L1           | 106                       | Roots            | 1.5      | No                       | No                 | Yes         |
| 28/03/2018 | 14173265 | 8964206 | 116N Michaels Ave  | Ellerslie  | N/A                                         | L1           | 74                        | Fat              | 1.5      | No                       | No                 | Yes         |
| 28/03/2018 | 14173889 | 8978732 | 98 Kohimarama Rd   | Kohimarama | N/A                                         | L1           | 576                       | Broken pipe      | 1.5      | No                       | No                 | Yes         |
| 31/03/2018 | 14178955 | 8999673 | 23 Momona Rd       | Greenlane  | N/A                                         | L1           | 125                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182064 | 8968344 | 32 Ballin St       | Ellerslie  | N/A                                         | L1           | 81                        | Unknown          | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182320 | 9010513 | 13 Allum St        | Kohimarama | N/A                                         | L1           | 561                       | Roots            | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182628 | 8989474 | 47 George St       | Newmarket  | N/A                                         | L1           | 644                       | Fat              | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14183548 | 8989391 | 28 Ayr St          | Parnell    | 2                                           | L2           | 311                       | Rags             | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14184043 | 8989510 | 102 Wheturangi Rd  | Greenlane  | N/A                                         | L1           | 184                       | Unknown          | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14185754 | 9037835 | 360A Kohimarama Rd | Kohimarama | N/A                                         | L1           | 608                       | Broken Pipe      | 1        | No                       | No                 | Yes         |
| 4/04/2018  | 14186428 | 9001489 | 10 Te Kowhai Pl    | Remuera    | N/A                                         | L1           | 274                       | Unknown          | 1        | No                       | No                 | Yes         |

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|------------|----------|---------|-----------------------|-------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 7/04/2018  | 14193872 | 8967555 | 10 Pohutukawa Pl      | Ellerslie   | N/A                                         | L1           | 216                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 7/04/2018  | 14193996 | 9001969 | 15 Tahapa Cres        | Meadowbank  | N/A                                         | L1           | 127                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 7/04/2018  | 14194307 | 8989510 | 102A Wheturangi Rd    | Greenlane   | N/A                                         | L1           | 117                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 8/04/2018  | 14194629 | 8799974 | 82A Tarawera Tce      | St Heliers  | N/A                                         | L1           | 146                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14196924 | 8799783 | 8 Tulagi Pl           | Kohimarama  | N/A                                         | L1           | 125                       | Roots            | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14197925 | 8818133 | 1/169 Portland Rd     | Remuera     | N/A                                         | L1           | 444                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/04/2018 | 14200926 | 8969497 | 13 Market Rd          | Remuera     | N/A                                         | L1           | 311                       | Unknown          | 11.5     | No                       | No                 | Yes         |
| 13/04/2018 | 14208701 | 9009952 | 34 Sonia Ave          | Remuera     | N/A                                         | L1           | 426                       | Unknown          | 15.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211315 | 8979020 | 45A Southern Cross Rd | Kohimarama  | N/A                                         | L1           | 234                       | Surcharging      | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211387 | 8818567 | 2/45 Portland Rd      | Remuera     | N/A                                         | L1           | 74                        | Roots            | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211425 | 9172417 | 92A Waiatarua Rd      | Remuera     | N/A                                         | L1           | 553                       | Surcharging      | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211565 | 8968768 | 14 Robert St          | Ellerslie   | N/A                                         | L1           | 685                       | Surcharging      | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211648 | 8968779 | 22 Robert St          | Ellerslie   | N/A                                         | L1           | 109                       | Fat              | 67       | No                       | No                 | Yes         |
| 15/04/2018 | 14212280 | 8979054 | 4 Speight Rd          | Kohimarama  | N/A                                         | L1           | 556                       | Rags             | 5.5      | No                       | No                 | Yes         |
| 17/04/2018 | 14217984 | 8989980 | 4/211 Manukau Rd      | Epsom       | N/A                                         | L1           | 570                       | Unknown          | 3.5      | No                       | No                 | Yes         |
| 18/04/2018 | 14221321 | 8989617 | 111 Great South Rd    | Greenlane   | N/A                                         | L1           | 693                       | Rags             | 1.5      | No                       | No                 | Yes         |
| 20/04/2018 | 14226508 | 8979205 | 284 Kohimarama Rd     | Kohimarama  | N/A                                         | L1           | 115                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 21/04/2018 | 14229161 | 8968796 | 14 Robert St          | Ellerslie   | N/A                                         | L1           | 118                       | Unknown          | 5        | No                       | No                 | Yes         |
| 23/04/2018 | 14232266 | 8978926 | 4 Berowald Pl         | St Heliers  | N/A                                         | L1           | 97                        | Unknown          | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14232687 | 8967471 | 58 Norman Lesser Dr   | St Johns    | N/A                                         | L1           | 562                       | Fat              | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14241097 | 8968013 | 1/12 Debron Ave       | Remuera     | N/A                                         | L1           | 225                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14242803 | 8996216 | 42 Ngaio St           | Orakei      | N/A                                         | L1           | 560                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14243311 | 9009917 | 2 Manawa Rd           | Remuera     | N/A                                         | L1           | 194                       | Unknown          | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14244753 | 8967555 | 14 Pohutukawa Pl      | Ellerslie   | N/A                                         | L1           | 305                       | Rags             | 25       | No                       | No                 | Yes         |
| 28/04/2018 | 14244846 | 8981174 | 730 Remuera Rd        | Remuera     | N/A                                         | L1           | 419                       | Roots            | 25       | No                       | No                 | Yes         |
| 28/04/2018 | 14245958 | 8987227 | 45A Comins Cres       | Mission Bay | N/A                                         | L1           | 239                       | Fat              | 25       | No                       | No                 | Yes         |
| 30/04/2018 | 14248213 | 8972718 | 21 Riddell Rd         | Glendowie   | N/A                                         | L1           | 275                       | Unknown          | 3        | No                       | No                 | Yes         |
| 30/04/2018 | 14248218 | 8972718 | 15 Riddell Rd         | Glendowie   | N/A                                         | L1           | 62                        | Rubbish          | 3        | No                       | No                 | Yes         |



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|------------|----------|----------|------------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/05/2018  | 14251000 | 9225169  | 130 Barbarich Dr       | St Johns    | N/A                                         | L1           | 15                        | Rags           | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14260609 | 8979125  | 349B St Heliers Bay Rd | St Heliers  | N/A                                         | L1           | 129                       | Unknown        | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14261307 | 8967588  | 36 Celtic Cres         | Ellerslie   | N/A                                         | L1           | 436                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/05/2018  | 14263319 | 9009999  | 7/17 Chatfield Pl      | Remuera     | 6                                           | L3           | 571                       | Roots          | 2.5      | Yes                      | Yes                | Yes         |
| 8/05/2018  | 14268491 | 9225379  | 72 Tamaki Dr           | Mission Bay | -                                           | L2           | 119                       | Unknown        | 0        | No                       | No                 | Yes         |
| 9/05/2018  | 14270853 | 8966750  | 156 Ladies Mile        | Ellerslie   | N/A                                         | L1           | 142                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14275729 | 8970338  | 9 Castle Dr            | Epsom       | N/A                                         | L1           | 116                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 10/05/2018 | 14276778 | 8981044  | 41A Harapaki Rd        | Meadowbank  | N/A                                         | L1           | 177                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 11/05/2018 | 14277799 | 8978784  | 18A Tarawera Tce       | St Heliers  | N/A                                         | L1           | 222                       | Foreign Object | 5        | No                       | No                 | Yes         |
| 11/05/2018 | 14278081 | 8996171  | 36 Apihai St           | Orakei      | N/A                                         | L1           | 284                       | Rubbish        | 5        | No                       | No                 | Yes         |
| 12/05/2018 | 14280935 | 50046669 | 13A Eltham Rd          | Kohimarama  | N/A                                         | L1           | 254                       | Unknown        | 12.5     | No                       | No                 | Yes         |
| 13/05/2018 | 14281643 | 8808864  | Lvg/18 Morrow St       | Newmarket   | N/A                                         | L1           | 247                       | Foreign Object | 25.5     | No                       | No                 | Yes         |
| 17/05/2018 | 14292358 | 9247606  | 24 Mcfarland St        | Remuera     | N/A                                         | L1           | 367                       | Broken Pipe    | 3        | No                       | No                 | Yes         |
| 18/05/2018 | 14296279 | 8986802  | 12 Comins Cres         | Mission Bay | N/A                                         | L1           | 255                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 19/05/2018 | 14299654 | 8970338  | 9 Castle Dr            | Epsom       | N/A                                         | L1           | 546                       | Roots          | 18.5     | No                       | No                 | Yes         |
| 20/05/2018 | 14300241 | 8986921  | 1/55 Patteson Ave      | Mission Bay | N/A                                         | L1           | 521                       | Roots          | 2        | No                       | No                 | Yes         |
| 20/05/2018 | 14300246 | 8996562  | 2 Titai St             | Orakei      | N/A                                         | L1           | 129                       | Rubbish        | 2        | No                       | No                 | Yes         |
| 20/05/2018 | 14300346 | 9001634  | 7A Worcester Rd        | Meadowbank  | N/A                                         | L1           | 506                       | Roots          | 2        | No                       | No                 | Yes         |
| 20/05/2018 | 14300516 | 8967556  | 9 Pohutukawa Pl        | Ellerslie   | N/A                                         | L1           | 283                       | Roots          | 2        | No                       | No                 | Yes         |
| 20/05/2018 | 14300555 | 9225624  | 26 Dell Ave            | Remuera     | N/A                                         | L1           | 347                       | Unknown        | 2        | No                       | No                 | Yes         |
| 24/05/2018 | 14312991 | 8967335  | 37 Greenbank Dr        | St Johns    | N/A                                         | L1           | 527                       | Roots          | 11       | No                       | No                 | Yes         |
| 24/05/2018 | 14313297 | 8981332  | 52 Kelvin Rd           | Remuera     | N/A                                         | L1           | 111                       | Surcharging    | 11       | No                       | No                 | Yes         |
| 26/05/2018 | 14317661 | 8975278  | 3/42 Challenger St     | St Heliers  | N/A                                         | L1           | 673                       | Surcharging    | 1        | No                       | No                 | Yes         |
| 26/05/2018 | 14317666 | 9001151  | 27 Shore Rd            | Remuera     | N/A                                         | L1           | 79                        | Broken Pipe    | 1        | No                       | No                 | Yes         |
| 26/05/2018 | 14317702 | 8981123  | 30 Seascape Rd         | Remuera     | -                                           | L2           | 407                       | Broken pipe    | 1        | No                       | No                 | Yes         |
| 28/05/2018 | 14320329 | 8968153  | 8 Hubert Henderson Pl  | Remuera     | N/A                                         | L1           | 112                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 28/05/2018 | 14322244 | 8981175  | 722A Remuera Rd        | Remuera     | N/A                                         | L1           | 167                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 30/05/2018 | 14326871 | 8986977  | 17 Dudley Rd           | Mission Bay | N/A                                         | L1           | 399                       | Roots          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|------------------------|---------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 30/05/2018 | 14327210 | 8967521 | 49 Ballarat St         | Mt Wellington | N/A                                         | L1           | 130                       | Unknown     | 0        | No                       | No                 | Yes         |
| 1/06/2018  | 14332505 | 8964241 | 8 Lawry St             | Ellerslie     | N/A                                         | L1           | 60                        | Unknown     | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335151 | 8987008 | 85 Patteson Ave        | Mission Bay   | N/A                                         | L1           | 468                       | Surcharging | 43.5     | No                       | No                 | Yes         |
| 5/06/2018  | 14337487 | 8987034 | 50 Atkin Ave           | Mission Bay   | N/A                                         | L1           | 208                       | Fat         | 3        | No                       | No                 | Yes         |
| 5/06/2018  | 14337690 | 8986887 | 48A Patteson Ave       | Mission Bay   | N/A                                         | L1           | 221                       | Surcharging | 3        | No                       | No                 | Yes         |
| 5/06/2018  | 14339548 | 8808341 | 9 Ayr St               | Parnell       | N/A                                         | L1           | 77                        | Broken pipe | 3        | No                       | No                 | Yes         |
| 6/06/2018  | 14342472 | 8969204 | 52A St Vincent Ave     | Remuera       | N/A                                         | L1           | 22                        | Broken pipe | 4.5      | No                       | No                 | Yes         |
| 6/06/2018  | 14342580 | 8996555 | 27A Sudeley St         | Orakei        | N/A                                         | L1           | 267                       | Unknown     | 4.5      | No                       | No                 | Yes         |
| 11/06/2018 | 14353585 | 8964244 | 8 Lawry St             | Ellerslie     | N/A                                         | L1           | 245                       | Unknown     | 17.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14354900 | 8970254 | Rt 1-3/95 Mountain Rd  | Epsom         | N/A                                         | L1           | 111                       | Unknown     | 21.5     | No                       | No                 | Yes         |
| 14/06/2018 | 14362136 | 9000127 | 61 St Stephens Ave     | Parnell       | N/A                                         | L1           | 69                        | Fat         | 0.5      | No                       | No                 | Yes         |
| 15/06/2018 | 14363775 | 8989257 | 26A Dilworth Ave       | Remuera       | N/A                                         | L1           | 104                       | Roots       | 3        | No                       | No                 | Yes         |
| 15/06/2018 | 14365759 | 8796813 | 1/89 Vale Rd           | St Heliers    | N/A                                         | L1           | 132                       | Broken pipe | 3        | No                       | No                 | Yes         |
| 16/06/2018 | 14366534 | 8989516 | 1/13 Cornwall Park Ave | Epsom         | N/A                                         | L1           | 259                       | Unknown     | 3.5      | No                       | No                 | Yes         |
| 18/06/2018 | 14369163 | 8981021 | 13 Temple St           | Meadowbank    | N/A                                         | L1           | 519                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14372643 | 8966750 | 156 Ladies Mile        | Ellerslie     | N/A                                         | L1           | 560                       | Roots       | 2.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14373460 | 8966750 | 5B Kuranui Pl          | Otahuhu       | N/A                                         | L1           | 90                        | Fat         | 2.5      | No                       | No                 | Yes         |
| 20/06/2018 | 14375220 | 8969305 | 15 Ohinerau St         | Remuera       | N/A                                         | L1           | 73                        | Fat         | 9        | No                       | No                 | Yes         |
| 22/06/2018 | 14382884 | 8996076 | 54B Kupe St            | Orakei        | N/A                                         | L1           | 102                       | Roots       | 0        | No                       | No                 | Yes         |
| 23/06/2018 | 14384495 | 8996090 | 82A Reihana St         | Orakei        | N/A                                         | L1           | 113                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14384716 | 8979106 | 317 St Heliers Bay Rd  | St Heliers    | N/A                                         | L1           | 88                        | Unknown     | 0.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14394166 | 8989540 | 18A Cornwall Park Ave  | Epsom         | N/A                                         | L1           | 35                        | Unknown     | 0        | No                       | No                 | Yes         |
| 29/06/2018 | 14401212 | 8989555 | 81 Market Rd           | Epsom         | N/A                                         | L1           | 167                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 30/06/2018 | 14401895 | 8817415 | 4A Crescent Rd         | Parnell       | N/A                                         | L1           | 659                       | Broken pipe | 0        | No                       | No                 | Yes         |

**Table 23: Overflows in the Onehunga Catchment Area**

| Date       | SR #     | Compkey | Address             | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612436 | 8813746 | 12 Church St        | Onehunga       | N/A                                         | L1           | 169                       | Fat            | 8        | No                       | No                 | Yes         |
| 2/07/2017  | 13612474 | 8816137 | 4 Hudson St         | Ellerslie      | N/A                                         | L1           | 199                       | Unknown        | 8        | No                       | No                 | Yes         |
| 3/07/2017  | 13614813 | 8999776 | 1/45 Rawhiti Rd     | Onehunga       | N/A                                         | L1           | 214                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13615261 | 9226754 | 1/336 Onehunga Mall | Onehunga       | N/A                                         | L1           | 225                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13617591 | 8999765 | 10 Kawau Rd         | Greenlane      | N/A                                         | L1           | 173                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13616127 | 8798492 | 1 Rangitiki Cres    | Lynfield       | N/A                                         | L1           | 362                       | Silts          | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13616833 | 9241923 | 57 Waitangi Rd      | Onehunga       | N/A                                         | L1           | 114                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 11/07/2017 | 13630993 | 8999361 | 269A Mt Smart Rd    | Onehunga       | N/A                                         | L1           | 185                       | Fat            | 5.5      | No                       | No                 | Yes         |
| 15/07/2017 | 13638611 | 8995322 | 10 Grey St          | Onehunga       | N/A                                         | L1           | 89                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13642657 | 8977393 | 96 Connell St       | Blockhouse Bay | N/A                                         | L1           | 510                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/07/2017 | 13652371 | 9226701 | 1/38 Inkerman St    | Onehunga       | N/A                                         | L1           | 203                       | Unknown        | 13       | No                       | No                 | Yes         |
| 23/07/2017 | 13652920 | 8798681 | 5B Himalaya Cres    | Lynfield       | N/A                                         | L1           | 299                       | Unknown        | 1        | No                       | No                 | Yes         |
| 28/07/2017 | 13664024 | 8995930 | 1/69 Symonds St     | Onehunga       | N/A                                         | L1           | 644                       | Rubbish        | 5.5      | No                       | No                 | Yes         |
| 29/07/2017 | 13665256 | 8995539 | 11 Symonds St       | Onehunga       | N/A                                         | L1           | 489                       | Unknown        | 0        | No                       | No                 | Yes         |
| 29/07/2017 | 13665460 | 8798191 | 37 Canberra Ave     | Lynfield       | N/A                                         | L1           | 169                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 30/07/2017 | 13665743 | 8819201 | 8 Lauchlan Ave      | Royal Oak      | N/A                                         | L1           | 361                       | Fat            | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13668346 | 8999425 | 1/57 Oranga Ave     | Onehunga       | N/A                                         | L1           | 79                        | Roots          | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13670012 | 8999445 | 39 Waitangi Rd      | Onehunga       | N/A                                         | L1           | 639                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13678157 | 8977283 | 123 The Avenue      | Lynfield       | N/A                                         | L1           | 120                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678549 | 9002534 | 52A Empire Rd       | Epsom          | N/A                                         | L1           | 522                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 7/08/2017  | 13680275 | 9002295 | A/691 Mt Albert Rd  | Royal Oak      | N/A                                         | L1           | 604                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 13/08/2017 | 13691079 | 5228097 | 1/29 Symonds St     | Onehunga       | N/A                                         | L1           | 387                       | Unknown        | 7.51     | No                       | No                 | Yes         |
| 14/08/2017 | 13692961 | 9002295 | A/691 Mt Albert Rd  | Royal Oak      | N/A                                         | L1           | 469                       | Foreign Object | 3        | No                       | No                 | Yes         |
| 16/08/2017 | 13698588 | 8995751 | 24 Brookfield Ave   | Onehunga       | N/A                                         | L1           | 129                       | Foreign Object | 2.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13706405 | 8977118 | 1 Athenic Ave       | Lynfield       | N/A                                         | L1           | 125                       | Foreign Object | 2        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address              | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 24/08/2017 | 13712211 | 9003003 | 62 Buckley Rd        | Epsom         | N/A                                         | L1           | 158                       | Unknown          | 0        | No                       | No                 | Yes         |
| 26/08/2017 | 13716335 | 8977141 | 3 Iberia Pl          | Lynfield      | N/A                                         | L1           | 476                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/08/2017 | 13717017 | 8897355 | 12 Arthur St         | Onehunga      | N/A                                         | L1           | 73                        | Roots            | 5.5      | No                       | No                 | Yes         |
| 3/09/2017  | 13729450 | 9002096 | 58G Pleasant St      | Onehunga      | N/A                                         | L1           | 237                       | Unknown          | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730553 | 8976396 | 192 Hillsborough Rd  | Hillsborough  | N/A                                         | L1           | 85                        | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 6/09/2017  | 13736343 | 8977567 | 30 Stephen Lysnar Pl | Hillsborough  | N/A                                         | L1           | 585                       | Fat              | 8        | No                       | No                 | Yes         |
| 7/09/2017  | 13739006 | 9002896 | 79 Queenstown Rd     | Onehunga      | N/A                                         | L1           | 276                       | Fat              | 4        | No                       | No                 | Yes         |
| 8/09/2017  | 13739904 | 9226423 | 226 Greenlane West   | Epsom         | N/A                                         | L1           | 267                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/09/2017 | 13742557 | 8999919 | 84 Paihia Rd         | Onehunga      | N/A                                         | L1           | 515                       | Roots            | 8.5      | No                       | No                 | Yes         |
| 13/09/2017 | 13750535 | 8969102 | 6/35 Wairakei St     | Greenlane     | N/A                                         | L1           | 41                        | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 15/09/2017 | 13754644 | 8976989 | 23 Commodore Dr      | Lynfield      | N/A                                         | L1           | 78                        | 3rd party damage | 4.5      | No                       | No                 | Yes         |
| 16/09/2017 | 13756386 | 9002786 | 1/27 Seacliffe Rd    | Onehunga      | N/A                                         | L1           | 132                       | Unknown          | 5.5      | No                       | No                 | Yes         |
| 18/09/2017 | 13757936 | 8995688 | 11 Jubilee Ave       | Onehunga      | N/A                                         | L1           | 61                        | Fat              | 13       | No                       | No                 | Yes         |
| 20/09/2017 | 13764057 | 8999453 | 1/42 Oranga Ave      | Onehunga      | -                                           | L2           | 44                        | Foreign Object   | 0        | No                       | No                 | Yes         |
| 21/09/2017 | 13767396 | 9002548 | 52A Empire Rd        | Epsom         | N/A                                         | L1           | 104                       | Foreign Object   | 3        | No                       | No                 | Yes         |
| 21/09/2017 | 13766107 | 8816662 | 13 State Ave         | Onehunga      | N/A                                         | L1           | 74                        | Roots            | 3        | No                       | No                 | Yes         |
| 23/09/2017 | 13769911 | 8976694 | 10 Cape Horn Rd      | Waikowhai     | N/A                                         | L1           | 491                       | Unknown          | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13771555 | 8995060 | Neilson St           | Onehunga      | N/A                                         | L1           | 181                       | Fat              | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13773444 | 8977477 | 8 Bamfield Pl        | Onehunga      | N/A                                         | L1           | 79                        | Roots            | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13781474 | 9002313 | 121 Pah Rd           | Royal Oak     | N/A                                         | L1           | 64                        | Roots            | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13782768 | 8976538 | 44A Aldersgate Rd    | Hillsborough  | N/A                                         | L1           | 253                       | Roots            | 0        | No                       | No                 | Yes         |
| 2/10/2017  | 13785519 | 8798468 | 174B White Swan Rd   | Mt Roskill    | N/A                                         | L1           | 533                       | Unknown          | 2        | No                       | No                 | Yes         |
| 7/10/2017  | 13796416 | 8999408 | 2/6B Wallath Rd      | Onehunga      | N/A                                         | L1           | 118                       | Unknown          | 7.02     | No                       | No                 | Yes         |
| 9/10/2017  | 13799377 | 8797517 | 74A Frederick St     | Hillsborough  | N/A                                         | L1           | 274                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/10/2017 | 13809624 | 9002565 | 161 The Drive        | Epsom         | N/A                                         | L1           | 548                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 19/10/2017 | 13818877 | 8819639 | 161 The Drive        | Epsom         | N/A                                         | L1           | 102                       | Fat              | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13822226 | 8976579 | 66 Aldersgate Rd     | Hillsborough  | N/A                                         | L1           | 363                       | Unknown          | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13821005 | 8995887 | 2/13 Campbell Rd     | One Tree Hill | N/A                                         | L1           | 185                       | Silts            | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|--------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 24/10/2017 | 13825980 | 50094135 | 212A Hillsborough Rd | Hillsborough | N/A                                         | L1           | 38                        | Unknown          | 1.5      | No                       | No                 | Yes         |
| 28/10/2017 | 13835772 | 9003003  | 62 Buckley Rd        | Epsom        | N/A                                         | L1           | 257                       | Roots            | 5        | No                       | No                 | Yes         |
| 29/10/2017 | 13836142 | 8977511  | 9 Lilac Grv          | Hillsborough | N/A                                         | L1           | 474                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 29/10/2017 | 13836065 | 8977250  | 4A Lynfield Pl       | Mt Roskill   | N/A                                         | L1           | 156                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 5/11/2017  | 13851728 | 8976788  | 29 Canberra Ave      | Lynfield     | N/A                                         | L1           | 88                        | Unknown          | 0        | No                       | No                 | Yes         |
| 16/11/2017 | 13873142 | 9002763  | 30G Beachcroft Ave   | Onehunga     | N/A                                         | L1           | 103                       | Unknown          | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13882685 | 8976198  | 2 Bluff Tce          | Hillsborough | N/A                                         | L1           | 629                       | Fat              | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13892514 | 8976977  | 12 Commodore Dr      | Lynfield     | N/A                                         | L1           | 178                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13902305 | 8994945  | 3A Cameron St        | Onehunga     | N/A                                         | L1           | 164                       | Roots            | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13905255 | 8995032  | 151 Arthur St        | Onehunga     | N/A                                         | L1           | 157                       | Rags             | 0        | No                       | No                 | Yes         |
| 8/12/2017  | 13931707 | 8976237  | 75B Goodall St       | Hillsborough | N/A                                         | L1           | 138                       | Roots            | 0        | No                       | No                 | Yes         |
| 10/12/2017 | 13932925 | 8976238  | 75C Goodall St       | Hillsborough | N/A                                         | L1           | 6                         | Roots            | 1        | No                       | No                 | Yes         |
| 15/12/2017 | 13947469 | 8976813  | 29 Canberra Ave      | Lynfield     | N/A                                         | L1           | 644                       | Roots            | 0        | No                       | No                 | Yes         |
| 16/12/2017 | 13949517 | 8995772  | 451 Onehunga Mall    | Onehunga     | N/A                                         | L1           | 303                       | Unknown          | 0        | No                       | No                 | Yes         |
| 21/12/2017 | 13960726 | 9002786  | 2/27 Seacliffe Rd    | Onehunga     | N/A                                         | L1           | 101                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/12/2017 | 13974404 | 8976762  | 490 Hillsborough Rd  | Mt Roskill   | N/A                                         | L1           | 539                       | Unknown          | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14018094 | 8999893  | 75 Rawhiti Rd        | Onehunga     | N/A                                         | L1           | 308                       | 3rd party damage | 15       | No                       | No                 | Yes         |
| 25/01/2018 | 14027886 | 8976668  | 15A Cape Horn Rd     | Waikowhai    | N/A                                         | L1           | 86                        | Unknown          | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14037203 | 8995241  | 12 Church St         | Onehunga     | N/A                                         | L1           | 120                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 9/02/2018  | 14058773 | 8969107  | 2/18 Nolan Rd        | Greenlane    | N/A                                         | L1           | 441                       | Roots            | 19       | No                       | No                 | Yes         |
| 10/02/2018 | 14059937 | 8995289  | 78 Normans Hill Rd   | Onehunga     | N/A                                         | L1           | 41                        | Unknown          | 18       | No                       | No                 | Yes         |
| 12/02/2018 | 14064986 | 9002510  | 614A Manukau Rd      | Epsom        | N/A                                         | L1           | 94                        | Surcharging      | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063795 | 8998814  | 9 Aliford Ave        | Ellerslie    | N/A                                         | L1           | 16                        | Unknown          | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14068819 | 8969107  | 2/18 Nolan Rd        | Greenlane    | N/A                                         | L1           | 108                       | Fat              | 3.5      | No                       | No                 | Yes         |
| 23/02/2018 | 14091166 | 8999451  | 12 Santos Pl         | Onehunga     | N/A                                         | L1           | 472                       | Rags             | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14096324 | 9002119  | 693 Mt Albert Rd     | Royal Oak    | N/A                                         | L1           | 122                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14104727 | 8976615  | 1B Waikowhai Rd      | Waikowhai    | N/A                                         | L1           | 137                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 3/03/2018  | 14110430 | 8976663  | 444A Hillsborough Rd | Mt Roskill   | N/A                                         | L1           | 410                       | Fat              | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                   | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------------|--------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 4/03/2018  | 14111173 | 9002481 | 27 Gardner Rd             | Epsom        | N/A                                         | L1           | 721                       | Unknown          | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14113615 | 8976615 | 97 Methuen Rd             | New Windsor  | N/A                                         | L1           | 42                        | Rags             | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14114106 | 8995717 | 454 Onehunga Mall         | Onehunga     | N/A                                         | L1           | 103                       | Unknown          | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14119640 | 8994641 | 9 Alfred St               | Onehunga     | N/A                                         | L1           | 160                       | 3rd party damage | 1        | No                       | No                 | Yes         |
| 7/03/2018  | 14120771 | 8976784 | 16 Canberra Ave           | Lynfield     | N/A                                         | L1           | 563                       | Broken pipe      | 1        | No                       | No                 | Yes         |
| 10/03/2018 | 14130166 | 9226701 | 1/38 Inkerman St          | Onehunga     | N/A                                         | L1           | 193                       | Silts            | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146871 | 8998862 | 21 Rangipawa Rd           | Onehunga     | N/A                                         | L1           | 616                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14148497 | 8970371 | 2B Crescent Rd            | Epsom        | N/A                                         | L1           | 95                        | Fat              | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14150429 | 8998809 | 45 Rockfield Rd           | Ellerslie    | N/A                                         | L1           | 282                       | Roots            | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14162468 | 8999920 | 70 Paihia Rd              | Onehunga     | N/A                                         | L1           | 71                        | Rags             | 19       | No                       | No                 | Yes         |
| 23/03/2018 | 14162957 | 8995674 | 70 Mariri Rd              | Onehunga     | N/A                                         | L1           | 162                       | Broken pipe      | 19       | No                       | No                 | Yes         |
| 27/03/2018 | 14169533 | 8999919 | 84 Paihia Rd              | Onehunga     | N/A                                         | L1           | 222                       | Roots            | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14185465 | 8999744 | 110 Paihia Rd             | Onehunga     | -                                           | L2           | 37                        | Rags             | 1.5      | No                       | No                 | Yes         |
| 5/04/2018  | 14189332 | 8977278 | 103A Halsey Dr            | Mt Roskill   | N/A                                         | L1           | 280                       | Unknown          | 0        | No                       | No                 | Yes         |
| 6/04/2018  | 14193133 | 9002763 | 30G Beachcroft Ave        | Onehunga     | N/A                                         | L1           | 151                       | Unknown          | 0        | No                       | No                 | Yes         |
| 8/04/2018  | 14195016 | 8999527 | 12 Rangipawa Rd           | Onehunga     | N/A                                         | L1           | 162                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14195781 | 9010616 | 103 Mays Rd               | Te Papapa    | N/A                                         | L1           | 533                       | Unknown          | 0        | No                       | No                 | Yes         |
| 14/04/2018 | 14211264 | 9002194 | 15 Epworth Ave            | Royal Oak    | N/A                                         | L1           | 443                       | Roots            | 73.5     | No                       | No                 | Yes         |
| 16/04/2018 | 14214082 | 9037711 | 5A Matai Rd               | Greenlane    | N/A                                         | L1           | 99                        | Fat              | 2        | No                       | No                 | Yes         |
| 17/04/2018 | 14217460 | 8999368 | 269 Mt Smart Rd           | Onehunga     | N/A                                         | L1           | 141                       | Foreign Object   | 2        | No                       | No                 | Yes         |
| 17/04/2018 | 14219269 | 8977111 | 1 Athenic Ave             | Lynfield     | N/A                                         | L1           | 347                       | Unknown          | 2        | No                       | No                 | Yes         |
| 17/04/2018 | 14219590 | 8999751 | 37 Ngatiawa St            | Onehunga     | N/A                                         | L1           | 228                       | Unknown          | 2        | No                       | No                 | Yes         |
| 19/04/2018 | 14225564 | 8998925 | 11 Ewenson Ave            | Ellerslie    | N/A                                         | L1           | 264                       | Unknown          | 0        | No                       | No                 | Yes         |
| 20/04/2018 | 14227606 | 8995138 | 2 Catherine St            | Onehunga     | N/A                                         | L1           | 496                       | Broken pipe      | 2        | No                       | No                 | Yes         |
| 21/04/2018 | 14229318 | 8976206 | 83A Goodall St            | Hillsborough | N/A                                         | L1           | 559                       | Unknown          | 3        | No                       | No                 | Yes         |
| 21/04/2018 | 14229382 | 8976682 | 18A George Laurenson Lane | Waikowhai    | N/A                                         | L1           | 185                       | Roots            | 3        | No                       | No                 | Yes         |
| 21/04/2018 | 14229608 | 8976733 | 464 Hillsborough Rd       | Mt Roskill   | N/A                                         | L1           | 182                       | Roots            | 3        | No                       | No                 | Yes         |
| 21/04/2018 | 14229728 | 8976206 | 83A Goodall St            | Hillsborough | N/A                                         | L1           | 376                       | Unknown          | 3        | No                       | No                 | Yes         |

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|------------|----------|---------|------------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/04/2018 | 14230251 | 8798185 | 28 Canberra Ave        | Lynfield      | N/A                                         | L1           | 665                       | Unknown          | 3        | No                       | No                 | Yes         |
| 23/04/2018 | 14232641 | 8976206 | 83 Goodall St          | Hillsborough  | N/A                                         | L1           | 552                       | Unknown          | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14236528 | 8976206 | 83B Goodall St         | Hillsborough  | N/A                                         | L1           | 437                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14240962 | 8976642 | 9 William Donnelly Tce | Waikowhai     | N/A                                         | L1           | 289                       | Unknown          | 0        | No                       | No                 | Yes         |
| 29/04/2018 | 14246650 | 8976274 | Pallister Dr           | Hillsborough  | -                                           | L2           | 359                       | Roots            | 2        | No                       | No                 | Yes         |
| 9/05/2018  | 14273455 | 8969107 | 6/18 Nolan Rd          | Greenlane     | N/A                                         | L1           | 118                       | Roots            | 0        | No                       | No                 | Yes         |
| 18/05/2018 | 14298825 | 8976394 | 200 Hillsborough Rd    | Hillsborough  | N/A                                         | L1           | 153                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317507 | 8995696 | 1/10 Tawa Rd           | Onehunga      | N/A                                         | L1           | 89                        | Rags             | 1.5      | No                       | No                 | Yes         |
| 29/05/2018 | 14324859 | 9002586 | 1 Quentin Ave          | Royal Oak     | N/A                                         | L1           | 282                       | Unknown          | 0        | No                       | No                 | Yes         |
| 6/06/2018  | 14340831 | 8977139 | 11 Flavia Pl           | Lynfield      | N/A                                         | L1           | 27                        | Rubbish          | 6.5      | No                       | No                 | Yes         |
| 7/06/2018  | 14345661 | 9002764 | 1/27 Seacliffe Rd      | Onehunga      | N/A                                         | L1           | 81                        | Unknown          | 1.5      | No                       | No                 | Yes         |
| 9/06/2018  | 14349675 | 9002638 | 25 Queensway           | Three Kings   | N/A                                         | L1           | 536                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/06/2018  | 14349718 | 8976506 | 9 Wesley Bay Gld       | Mt Roskill    | N/A                                         | L1           | 595                       | Rags             | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14352466 | 8998814 | 9 Aliford Ave          | Ellerslie     | N/A                                         | L1           | 60                        | Fat              | 15       | No                       | No                 | Yes         |
| 17/06/2018 | 14367307 | 8994999 | 25 Spring St           | Onehunga      | N/A                                         | L1           | 446                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/06/2018 | 14367327 | 8813041 | 1/16 Turama Rd         | Royal Oak     | N/A                                         | L1           | 368                       | Unknown          | 0        | No                       | No                 | Yes         |
| 21/06/2018 | 14379476 | 8995899 | 12A Mt Smart Rd        | Onehunga      | N/A                                         | L1           | 259                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 21/06/2018 | 14380051 | 8995875 | 1/16 Turama Rd         | Royal Oak     | N/A                                         | L1           | 53                        | Unknown          | 0.5      | No                       | No                 | Yes         |
| 25/06/2018 | 14387069 | 8995338 | 40A Normans Hill Rd    | Onehunga      | N/A                                         | L1           | 96                        | Surcharging      | 31.5     | No                       | No                 | Yes         |
| 26/06/2018 | 14391252 | 8976989 | 11 Commodore Dr        | Lynfield      | N/A                                         | L1           | 191                       | Unknown          | 17       | No                       | No                 | Yes         |
| 27/06/2018 | 14393473 | 8999102 | 57 Maungakiekie Ave    | One Tree Hill | N/A                                         | L1           | 85                        | Unknown          | 0.5      | No                       | No                 | Yes         |
| 28/06/2018 | 14396078 | 8977474 | 6 Rendcomb Pl          | Onehunga      | N/A                                         | L1           | 95                        | Fat              | 2.5      | No                       | No                 | Yes         |

**Table 24: Overflows in the Mangere Catchment Area**

| Date       | SR #     | Compkey  | Address              | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612480 | 6227165  | 49 Bader Dr          | Mangere        | N/A                                         | L1           | 69                        | Fat            | 8        | No                       | No                 | Yes         |
| 4/07/2017  | 13616993 | 8972442  | 7 Piki Thompson Way  | Otahuhu        | N/A                                         | L1           | 439                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 5/07/2017  | 13618737 | 52026763 | 126 Hugo Johnston Dr | Penrose        | N/A                                         | L1           | 197                       | Fat            | 12.5     | No                       | No                 | Yes         |
| 6/07/2017  | 13622368 | 8998198  | 20 Fort Richard Rd   | Otahuhu        | N/A                                         | L1           | 589                       | Fat            | 30.5     | No                       | No                 | Yes         |
| 8/07/2017  | 13625634 | 6226197  | 39 McIntyre Rd       | Mangere Bridge | -                                           | L2           | 134                       | Fat            | 4.5      | No                       | No                 | Yes         |
| 15/07/2017 | 13638612 | 7023965  | 3 Morewood Lane      | Mangere        | N/A                                         | L1           | 224                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13644981 | 6224160  | 96 Chingford Cl      | Mangere        | N/A                                         | L1           | 89                        | Roots          | 0        | No                       | No                 | Yes         |
| 28/07/2017 | 13664855 | 7038573  | 55 Montgomerie Rd    | Mangere        | N/A                                         | L1           | 132                       | Rubbish        | 5.5      | No                       | No                 | Yes         |
| 30/07/2017 | 13665852 | 6227245  | 92 Bader Dr          | Mangere        | N/A                                         | L1           | 99                        | Unknown        | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13670741 | 8998501  | 31 Saleyards Rd      | Otahuhu        | N/A                                         | L1           | 144                       | Fat            | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13676944 | 6227064  | 13 Molesworth Pl     | Mangere        | N/A                                         | L1           | 618                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677043 | 9004961  | Bell Ave             | Mt Wellington  | N/A                                         | L1           | 115                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13678107 | 6224173  | 56 Imrie Ave         | Mangere        | N/A                                         | L1           | 165                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678460 | 7043955  | 5A Pito Pl           | Mangere        | N/A                                         | L1           | 133                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 7/08/2017  | 13680438 | 6223870  | 10 Wood Ave          | Mangere East   | N/A                                         | L1           | 571                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 8/08/2017  | 13683803 | 6227066  | 53 Hall Ave          | Mangere        | N/A                                         | L1           | 108                       | Fat            | 4.01     | No                       | No                 | Yes         |
| 11/08/2017 | 13688328 | 6223945  | 52 Cranmere Cres     | Mangere East   | N/A                                         | L1           | 178                       | Fat            | 9.52     | No                       | No                 | Yes         |
| 11/08/2017 | 13689869 | 6227164  | 20 Harvard Pl        | Mangere        | N/A                                         | L1           | 189                       | Fat            | 9.52     | No                       | No                 | Yes         |
| 15/08/2017 | 13694978 | 6222763  | 11/6 Savill Dr       | Favona         | N/A                                         | L1           | 94                        | Fat            | 5.01     | No                       | No                 | Yes         |
| 15/08/2017 | 13695587 | 6227170  | 17 Harvard Pl        | Mangere        | N/A                                         | L1           | 40                        | Unknown        | 5.01     | No                       | No                 | Yes         |
| 16/08/2017 | 13698074 | 6227703  | 5 Nevis Pl           | Mangere        | N/A                                         | L1           | 616                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 17/08/2017 | 13700916 | 6223806  | 7 Rush Pl            | Mangere        | N/A                                         | L1           | 218                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 22/08/2017 | 13709649 | 6227064  | 11 Molesworth Pl     | Mangere        | N/A                                         | L1           | 80                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13711018 | 6226761  | 7 Tua Pl             | Mangere        | N/A                                         | L1           | 237                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/08/2017 | 13725972 | 6227241  | 73 Viscount St       | Mangere        | N/A                                         | L1           | 93                        | Fat            | 4        | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey  | Address           | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 3/09/2017  | 13729256 | 6223481  | 1 Tussock Ave     | Mangere        | N/A                                         | L1           | 639                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 6/09/2017  | 13735867 | 6227064  | 13 Molesworth Pl  | Mangere        | N/A                                         | L1           | 144                       | Unknown        | 8        | No                       | No                 | Yes         |
| 7/09/2017  | 13738252 | 6202040  | 500 Oruarangi Rd  | Mangere        | N/A                                         | L1           | 537                       | Unknown        | 4        | No                       | No                 | Yes         |
| 12/09/2017 | 13745966 | 6225246  | 51 Crawford Ave   | Mangere Bridge | N/A                                         | L1           | 158                       | Rubbish        | 2        | No                       | No                 | Yes         |
| 20/09/2017 | 13763598 | 6226162  | 1 House Ave       | Mangere Bridge | N/A                                         | L1           | 153                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13763308 | 6225264  | 46 Hastie Ave     | Mangere Bridge | N/A                                         | L1           | 115                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/09/2017 | 13768765 | 6222760  | 6/202 Massey Rd   | Mangere East   | N/A                                         | L1           | 76                        | Fat            | 2.5      | No                       | No                 | Yes         |
| 22/09/2017 | 13769388 | 6226055  | 43 Aintree Ave    | Mangere        | N/A                                         | L1           | 131                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 25/09/2017 | 13772250 | 6223884  | 6 Blake Rd        | Mangere East   | N/A                                         | L1           | 588                       | Fat            | 0        | No                       | No                 | Yes         |
| 27/09/2017 | 13777116 | 6223884  | 6 Blake Rd        | Mangere East   | N/A                                         | L1           | 642                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/09/2017 | 13783442 | 6226717  | 47 Robertson Rd   | Mangere East   | N/A                                         | L1           | 105                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 8/10/2017  | 13796976 | 6223652  | 30 Garus Ave      | Mangere East   | N/A                                         | L1           | 70                        | Fat            | 14.03    | No                       | No                 | Yes         |
| 11/10/2017 | 13804518 | 6950048  | 16 Dalry Pl       | Mangere Bridge | N/A                                         | L1           | 103                       | Foreign Object | 4.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816512 | 6226165  | 34 Crawford Ave   | Mangere Bridge | N/A                                         | L1           | 376                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816219 | 6225006  | 47 Opawa Cres     | Favona         | N/A                                         | L1           | 282                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 19/10/2017 | 13820351 | 6223577  | 188 Tennessee Ave | Mangere East   | N/A                                         | L1           | 126                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 21/10/2017 | 13823005 | 6226176  | 11 Chipping Dale  | Mangere Bridge | N/A                                         | L1           | 533                       | Broken Pipe    | 0        | No                       | No                 | Yes         |
| 24/10/2017 | 13825707 | 6225737  | 14 Muir Ave       | Mangere Bridge | N/A                                         | L1           | 154                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 29/10/2017 | 13836217 | 6225150  | 77 Muir Ave       | Mangere Bridge | N/A                                         | L1           | 130                       | Silts          | 0.5      | No                       | No                 | Yes         |
| 5/11/2017  | 13851500 | 6292034  | 8 Claresholm Pl   | Mangere Bridge | N/A                                         | L1           | 65                        | Roots          | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13857985 | 6227344  | 12 Waddon Pl      | Mangere        | N/A                                         | L1           | 70                        | Unknown        | 9        | No                       | No                 | Yes         |
| 13/11/2017 | 13865645 | 10317532 | 204 Kirkbride Rd  | Mangere        | N/A                                         | L1           | 577                       | Unknown        | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13875704 | 6226676  | 33S Robertson Rd  | Mangere        | N/A                                         | L1           | 87                        | Unknown        | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13875692 | 6227420  | Canning Cres      | Mangere        | N/A                                         | L1           | 271                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 18/11/2017 | 13879225 | 6226949  | 16 Forbury Pl     | Mangere        | N/A                                         | L1           | 501                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 20/11/2017 | 13882039 | 6227574  | 140 Coronation Rd | Mangere Bridge | N/A                                         | L1           | 139                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13897967 | 6224094  | 201 Buckland Rd   | Mangere East   | N/A                                         | L1           | 381                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13898090 | 6225069  | 24 Crawford Ave   | Mangere Bridge | N/A                                         | L1           | 159                       | Fat            | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 26/11/2017 | 13898150 | 6224090  | 205A Buckland Rd    | Mangere East   | N/A                                         | L1           | 200                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13902440 | 6226979  | 132 Coronation Rd   | Mangere Bridge | N/A                                         | L1           | 107                       | Fat            | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900435 | 6227586  | 14 Kambalda St      | Mangere        | N/A                                         | L1           | 55                        | Unknown        | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13904243 | 6227099  | 15 Ashmore Pl       | Mangere        | N/A                                         | L1           | 598                       | Unknown        | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13903247 | 6223481  | 1 Tussock Ave       | Mangere        | N/A                                         | L1           | 153                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/12/2017  | 13921592 | 6224081  | 26B Royton Ave      | Mangere East   | N/A                                         | L1           | 545                       | Fat            | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13936855 | 6222150  | 18 Quennell Ave     | Favona         | N/A                                         | L1           | 64                        | Fat            | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13947388 | 50155393 | 40 Pate Cres        | Mangere        | N/A                                         | L1           | 554                       | Silts          | 0        | No                       | No                 | Yes         |
| 23/12/2017 | 13966272 | 6224210  | 14 Quennell Ave     | Favona         | N/A                                         | L1           | 649                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 27/12/2017 | 13969280 | 6223654  | 17 Chelburn Cres    | Mangere East   | N/A                                         | L1           | 666                       | Fat            | 0        | No                       | No                 | Yes         |
| 9/01/2018  | 13990207 | 6224160  | 96 Chingford Cl     | Mangere        | N/A                                         | L1           | 70                        | Fat            | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000278 | 6224635  | 47 Gadsby Rd        | Favona         | N/A                                         | L1           | 173                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14004943 | 6225699  | 90R Hastie Ave      | Mangere Bridge | N/A                                         | L1           | 96                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 19/01/2018 | 14015480 | 6224027  | 3 Balnoon Pl        | Mangere East   | N/A                                         | L1           | 419                       | Unknown        | 9.5      | No                       | No                 | Yes         |
| 19/01/2018 | 14013402 | 6037107  | 31 Gadsby Rd        | Favona         | N/A                                         | L1           | 269                       | Foreign Object | 9.5      | No                       | No                 | Yes         |
| 19/01/2018 | 14014126 | 6226014  | 5A Andrew Baxter Dr | Mangere        | N/A                                         | L1           | 470                       | Unknown        | 9.5      | No                       | No                 | Yes         |
| 21/01/2018 | 14016783 | 6223654  | 17 Chelburn Cres    | Mangere East   | N/A                                         | L1           | 335                       | Fat            | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14019756 | 8998237  | 1/1 Awa St          | Otahuhu        | N/A                                         | L1           | 174                       | Unknown        | 15       | No                       | No                 | Yes         |
| 24/01/2018 | 14023780 | 6223633  | 44 Chelburn Cres    | Mangere East   | N/A                                         | L1           | 127                       | Fat            | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14034111 | 6222857  | 24 Chelburn Cres    | Mangere East   | N/A                                         | L1           | 159                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038967 | 6223373  | 39 Imrie Ave        | Mangere        | N/A                                         | L1           | 318                       | Fat            | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14039933 | 6224279  | 56 Imrie Ave        | Mangere        | N/A                                         | L1           | 77                        | Fat            | 47       | No                       | No                 | Yes         |
| 2/02/2018  | 14044317 | 6224171  | 22 Imrie Ave        | Mangere        | N/A                                         | L1           | 216                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 2/02/2018  | 14044878 | 6224106  | 203S Robertson Rd   | Mangere East   | N/A                                         | L1           | 158                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14046687 | 6226761  | 7 Tua Pl            | Mangere        | N/A                                         | L1           | 65                        | Rubbish        | 5.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14046644 | 6226899  | 3 Harwell Pl        | Mangere        | N/A                                         | L1           | 607                       | Fat            | 5.5      | No                       | No                 | Yes         |
| 5/02/2018  | 14048031 | 6224106  | 203S Robertson Rd   | Mangere East   | N/A                                         | L1           | 395                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 6/02/2018  | 14050911 | 6226761  | 7 Tua Pl            | Mangere        | N/A                                         | L1           | 199                       | Unknown        | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address            | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 9/02/2018  | 14057400 | 6226761 | 7 Tua Pl           | Mangere        | N/A                                         | L1           | 133                       | Foreign Object | 19       | No                       | No                 | Yes         |
| 9/02/2018  | 14058425 | 9009546 | 151 Penrose Rd     | Mt Wellington  | N/A                                         | L1           | 625                       | Foreign Object | 19       | No                       | No                 | Yes         |
| 12/02/2018 | 14064304 | 6035634 | 267 Buckland Rd    | Mangere East   | N/A                                         | L1           | 138                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063163 | 7104195 | 29 Ferguson St     | Mangere East   | N/A                                         | L1           | 137                       | Fat            | 0        | No                       | No                 | Yes         |
| 18/02/2018 | 14077497 | 6223481 | 1 Tussock Ave      | Mangere        | N/A                                         | L1           | 540                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/02/2018 | 14089824 | 6226652 | 21 Tilberg St      | Mangere        | N/A                                         | L1           | 89                        | Fat            | 2.5      | No                       | No                 | Yes         |
| 24/02/2018 | 14093121 | 1575878 | 268 Massey Rd      | Mangere East   | N/A                                         | L1           | 594                       | Fat            | 0        | No                       | No                 | Yes         |
| 24/02/2018 | 14093136 | 6035313 | 1 Clyro Pl         | Mangere East   | N/A                                         | L1           | 608                       | Fat            | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105060 | 7104195 | 29 Ferguson St     | Mangere East   | N/A                                         | L1           | 212                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 3/03/2018  | 14110282 | 6037091 | 37 Gadsby Rd       | Favona         | N/A                                         | L1           | 531                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110326 | 6037107 | 31 Gadsby Rd       | Favona         | N/A                                         | L1           | 67                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110354 | 6225029 | 47 Mcnaughton Ave  | Mangere East   | N/A                                         | L1           | 65                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110361 | 6038495 | 55 Mckenzie Rd     | Mangere        | N/A                                         | L1           | 98                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110367 | 6037092 | 47 Gadsby Rd       | Favona         | N/A                                         | L1           | 562                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14121104 | 6227246 | 88 Bader Dr        | Mangere        | N/A                                         | L1           | 234                       | Roots          | 1        | No                       | No                 | Yes         |
| 11/03/2018 | 14130538 | 6227074 | 1/12 Pito Pl       | Mangere        | N/A                                         | L1           | 109                       | Fat            | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14132000 | 8821378 | 7 Lockhart Pl      | Mt Wellington  | N/A                                         | L1           | 487                       | Fat            | 16.5     | No                       | No                 | Yes         |
| 14/03/2018 | 14140458 | 6227658 | 156 Coronation Rd  | Mangere Bridge | -                                           | L2           | 114                       | Fat            | 2        | No                       | No                 | Yes         |
| 16/03/2018 | 14145002 | 6227667 | 35 Mascot Ave      | Mangere        | N/A                                         | L1           | 81                        | Fat            | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147726 | 6222787 | 40 Cottingham Cres | Mangere East   | N/A                                         | L1           | 217                       | Unknown        | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14150813 | 8998149 | 14 Victoria St     | Otahuhu        | N/A                                         | L1           | 80                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14157813 | 6224635 | 47 Gadsby Rd       | Favona         | N/A                                         | L1           | 380                       | Surcharging    | 2.5      | No                       | No                 | Yes         |
| 22/03/2018 | 14159106 | 6224635 | 37 Gadsby Rd       | Favona         | N/A                                         | L1           | 154                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14187073 | 6225059 | 7 Waterfront Rd    | Mangere Bridge | N/A                                         | L1           | 132                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 6/04/2018  | 14192856 | 8998144 | 6 Fort Richard Rd  | Otahuhu        | N/A                                         | L1           | 387                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/04/2018  | 14193451 | 6223751 | 218 Buckland Rd    | Mangere East   | N/A                                         | L1           | 152                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 8/04/2018  | 14194831 | 6222437 | 177 Robertson Rd   | Mangere East   | N/A                                         | L1           | 99                        | Fat            | 0        | No                       | No                 | Yes         |
| 11/04/2018 | 14202505 | 6037091 | 37 Gadsby Rd       | Favona         | N/A                                         | L1           | 338                       | Surcharging    | 14       | No                       | No                 | Yes         |

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|------------|----------|---------|-----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 13/04/2018 | 14208883 | 6483373 | 1 Kambalda St         | Mangere        | N/A                                         | L1           | 127                       | Rubbish        | 7.5      | No                       | No                 | Yes         |
| 13/04/2018 | 14210012 | 6227715 | 52 Heyford Cl         | Mangere        | N/A                                         | L1           | 226                       | Fat            | 7.5      | No                       | No                 | Yes         |
| 13/04/2018 | 14210945 | 7055681 | 22 Imrie Ave          | Mangere        | N/A                                         | L1           | 172                       | Fat            | 7.5      | No                       | No                 | Yes         |
| 14/04/2018 | 14211309 | 6224273 | 1 Humphreys Pl        | Mangere        | N/A                                         | L1           | 184                       | Surcharging    | 73.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211644 | 6036672 | 2/56 Duggan Ave       | Mangere        | N/A                                         | L1           | 110                       | Surcharging    | 73.5     | No                       | No                 | Yes         |
| 17/04/2018 | 14218604 | 6224036 | 267 Buckland Rd       | Mangere East   | N/A                                         | L1           | 585                       | Broken Pipe    | 2        | No                       | No                 | Yes         |
| 19/04/2018 | 14223420 | 6222127 | 156 Favona Rd         | Favona         | N/A                                         | L1           | 99                        | Fat            | 0        | No                       | No                 | Yes         |
| 19/04/2018 | 14224536 | 8998268 | Mason Ave             | Otahuhu        | N/A                                         | L1           | 248                       | Fat            | 0        | No                       | No                 | Yes         |
| 21/04/2018 | 14229762 | 1580005 | 22 Mascot Ave         | Mangere        | N/A                                         | L1           | 18                        | Fat            | 3        | No                       | No                 | Yes         |
| 21/04/2018 | 14230118 | 6039700 | 35W Mascot Ave        | Mangere        | N/A                                         | L1           | 293                       | Fat            | 3        | No                       | No                 | Yes         |
| 23/04/2018 | 14232551 | 6035969 | 2 Rye Crt             | Mangere East   | N/A                                         | L1           | 134                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14233224 | 6035797 | 28 Lyncroft St        | Mangere East   | N/A                                         | L1           | 66                        | Unknown        | 0        | No                       | No                 | Yes         |
| 24/04/2018 | 14237178 | 6226160 | 1 Woodward Ave        | Mangere Bridge | N/A                                         | L1           | 158                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14245781 | 6223686 | 48 Ferguson St        | Mangere East   | N/A                                         | L1           | 464                       | Broken Pipe    | 25       | No                       | No                 | Yes         |
| 30/04/2018 | 14249815 | 6285480 | 48 Ferguson St        | Mangere East   | N/A                                         | L1           | 266                       | Broken pipe    | 3.5      | No                       | No                 | Yes         |
| 1/05/2018  | 14251522 | 6227686 | 35 Heyford Cl         | Mangere        | N/A                                         | L1           | 87                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14261704 | 6223766 | 207 Robertson Rd      | Mangere East   | N/A                                         | L1           | 56                        | Fat            | 0        | No                       | No                 | Yes         |
| 8/05/2018  | 14269704 | 6223991 | 12 Mckinstry Ave      | Mangere East   | N/A                                         | L1           | 83                        | Fat            | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14275898 | 6222404 | 1 Bellard Pl          | Mangere East   | N/A                                         | L1           | 101                       | Fat            | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14282558 | 8998235 | 1/46 Nikau Rd         | Otahuhu        | N/A                                         | L1           | 191                       | Unknown        | 2        | No                       | No                 | Yes         |
| 14/05/2018 | 14285351 | 6222388 | 28 Lyncroft St        | Mangere East   | N/A                                         | L1           | 159                       | Fat            | 2        | No                       | No                 | Yes         |
| 21/05/2018 | 14304281 | 6225713 | 51 Crawford Ave       | Mangere Bridge | N/A                                         | L1           | 228                       | Rubbish        | 15       | No                       | No                 | Yes         |
| 25/05/2018 | 14316868 | 6222158 | 263 James Fletcher Dr | Favona         | N/A                                         | L1           | 71                        | Fat            | 8.5      | No                       | No                 | Yes         |
| 28/05/2018 | 14321906 | 6227715 | 52 Heyford Cl         | Mangere        | 0                                           | L2           | 439                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 28/05/2018 | 14322323 | 7051690 | 16 Kamaka Rd          | Mangere Bridge | N/A                                         | L1           | 103                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 31/05/2018 | 14330424 | 6222784 | 134 Tennessee Ave     | Mangere East   | N/A                                         | L1           | 89                        | Fat            | 0        | No                       | No                 | Yes         |
| 7/06/2018  | 14344330 | 6227505 | Robertson Rd          | Mangere East   | N/A                                         | L1           | 143                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 12/06/2018 | 14354979 | 6222570 | 1 Humphreys Pl        | Mangere        | N/A                                         | L1           | 1                         | Surcharging    | 28.5     | No                       | No                 | Yes         |

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|------------|----------|---------|------------------------|----------------|---------------------------------------------|--------------|---------------------------|-------|----------|--------------------------|--------------------|-------------|
| 14/06/2018 | 14361558 | 6227308 | 49 Orly Ave            | Mangere        | N/A                                         | L1           | 560                       | Roots | 0        | No                       | No                 | Yes         |
| 17/06/2018 | 14367379 | 6224947 | 24 Duggan Ave          | Mangere        | N/A                                         | L1           | 385                       | Fat   | 0        | No                       | No                 | Yes         |
| 19/06/2018 | 14373118 | 9008436 | 65-67 Hugo Johnston Dr | Penrose        | N/A                                         | L1           | 90                        | Roots | 0.5      | No                       | No                 | Yes         |
| 22/06/2018 | 14382985 | 6226955 | 132 Coronation Rd      | Mangere Bridge | N/A                                         | L1           | 115                       | Fat   | 0        | No                       | No                 | Yes         |
| 23/06/2018 | 14383790 | 6222118 | 56 Norana Ave          | Favona         | N/A                                         | L1           | 275                       | Fat   | 0.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14383944 | 6226209 | 18 Anarahi Pl          | Mangere Bridge | N/A                                         | L1           | 168                       | Fat   | 0.5      | No                       | No                 | Yes         |

**Table 25: Overflows in the Lower Tamaki River Catchment Area**

| Date       | SR #     | Compkey  | Address               | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 3/07/2017  | 13614921 | 50238494 | 7 Fraser Rd           | Mt Wellington   | N/A                                         | L1           | 303                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13614483 | 8794607  | 46 Sierra St          | Glendowie       | N/A                                         | L1           | 551                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13616810 | 8973491  | 2A Glen Oaks          | Glendowie       | N/A                                         | L1           | 552                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 4/07/2017  | 13616617 | 8972637  | 170 West Tamaki Rd    | Glendowie       | N/A                                         | L1           | 118                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 6/07/2017  | 13623039 | 8795768  | 137 Taniwha St        | Glen Innes      | N/A                                         | L1           | 84                        | Surcharging      | 42.5     | No                       | No                 | Yes         |
| 7/07/2017  | 13623755 | 6215327  | 63 Bramley Dr         | Farm Cove       | N/A                                         | L1           | 215                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 9/07/2017  | 13626397 | 8973298  | 3 Abingdon Pl         | Glendowie       | N/A                                         | L1           | 118                       | Roots            | 20.5     | No                       | No                 | Yes         |
| 10/07/2017 | 13628930 | 9004470  | 74F Ireland Rd        | Panmure         | N/A                                         | L1           | 269                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 11/07/2017 | 13629887 | 8973891  | 205 West Tamaki Rd    | Glen Innes      | N/A                                         | L1           | 208                       | Roots            | 3        | No                       | No                 | Yes         |
| 11/07/2017 | 13630116 | 6239282  | 28 Venus Pl           | Half Moon Bay   | N/A                                         | L1           | 118                       | Roots            | 3        | No                       | No                 | Yes         |
| 14/07/2017 | 13636678 | 8970016  | 7 Fraser Rd           | Mt Wellington   | N/A                                         | L1           | 420                       | Unknown          | 2        | No                       | No                 | Yes         |
| 15/07/2017 | 13638537 | 8972157  | 30 Vanessa Cres       | Glendowie       | N/A                                         | L1           | 617                       | Fat              | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13642757 | 9004757  | 30A Boakes Rd         | Mt Wellington   | N/A                                         | L1           | 135                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13643844 | 8972848  | 250 St Heliers Bay Rd | St Heliers      | N/A                                         | L1           | 198                       | Roots            | 0        | No                       | No                 | Yes         |
| 20/07/2017 | 13647504 | 8974218  | 80 Castledine Cres    | Glen Innes      | N/A                                         | L1           | 41                        | Roots            | 16.5     | No                       | No                 | Yes         |
| 22/07/2017 | 13652182 | 8973822  | 27 Lyndhurst St       | Wai-O-Taiki Bay | N/A                                         | L1           | 43                        | Unknown          | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652368 | 8973145  | 577 Riddell Rd        | Glendowie       | N/A                                         | L1           | 488                       | Roots            | 14       | No                       | No                 | Yes         |
| 24/07/2017 | 13654473 | 6213956  | 24 Sarah Pl           | Farm Cove       | N/A                                         | L1           | 75                        | Fat              | 3        | No                       | No                 | Yes         |
| 26/07/2017 | 13659668 | 8791878  | 36 Tamatea Ave        | Pt England      | N/A                                         | L1           | 297                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13662500 | 8972499  | 66 Roberta Ave        | Glendowie       | N/A                                         | L1           | 287                       | Unknown          | 6        | No                       | No                 | Yes         |
| 28/07/2017 | 13663459 | 8973966  | 117 Leybourne Cir     | Glen Innes      | N/A                                         | L1           | 360                       | 3rd party damage | 4.5      | No                       | No                 | Yes         |
| 28/07/2017 | 13664765 | 7036421  | 1 Riverlea Ave        | Pakuranga       | N/A                                         | L1           | 217                       | Fat              | 4.5      | No                       | No                 | Yes         |
| 28/07/2017 | 13664891 | 6214704  | 24 Tamaki Bay Dr      | Pakuranga       | N/A                                         | L1           | 42                        | Silts            | 4.5      | No                       | No                 | Yes         |
| 29/07/2017 | 13665397 | 8974382  | 53 Erima Ave          | Pt England      | N/A                                         | L1           | 158                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 30/07/2017 | 13665779 | 9004304  | Wtr/100 Ireland Rd    | Panmure         | N/A                                         | L1           | 97                        | Roots            | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address             | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/08/2017  | 13673309 | 9224728 | 50D Kings Rd        | Panmure       | N/A                                         | L1           | 152                       | Rubbish        | 16       | No                       | No                 | Yes         |
| 2/08/2017  | 13673423 | 8973878 | 15 Lyndale Pl       | Glen Innes    | N/A                                         | L1           | 107                       | Roots          | 16       | No                       | No                 | Yes         |
| 3/08/2017  | 13675075 | 8795494 | 201A West Tamaki Rd | Glen Innes    | N/A                                         | L1           | 130                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13676830 | 8969899 | 1 Stewart Ave       | Panmure       | N/A                                         | L1           | 648                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 4/08/2017  | 13677609 | 6213936 | 176 Fisher Pde      | Sunnyhills    | N/A                                         | L1           | 96                        | Roots          | 0.5      | No                       | No                 | Yes         |
| 5/08/2017  | 13677987 | 6206424 | 37 Tyrian Cl        | Half Moon Bay | N/A                                         | L1           | 109                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/08/2017  | 13682626 | 8969513 | 24 Oran Rd          | Panmure       | N/A                                         | L1           | 43                        | Rubbish        | 3.5      | No                       | No                 | Yes         |
| 9/08/2017  | 13684523 | 8973552 | 64 Kesteven Ave     | Glendowie     | N/A                                         | L1           | 125                       | Rubbish        | 20.5     | No                       | No                 | Yes         |
| 9/08/2017  | 13684892 | 8974951 | 35A Apirana Ave     | St Johns      | N/A                                         | L1           | 64                        | Roots          | 20.5     | No                       | No                 | Yes         |
| 10/08/2017 | 13686596 | 6214725 | 14 Kentigern Cl     | Pakuranga     | N/A                                         | L1           | 174                       | Rubbish        | 1        | No                       | No                 | Yes         |
| 10/08/2017 | 13686717 | 6207798 | 8 Mander Pl         | Half Moon Bay | N/A                                         | L1           | 84                        | Roots          | 1        | No                       | No                 | Yes         |
| 10/08/2017 | 13687824 | 8795689 | 6 Concord Pl        | Glen Innes    | N/A                                         | L1           | 126                       | Rubbish        | 1        | No                       | No                 | Yes         |
| 14/08/2017 | 13692118 | 6214095 | 10 Steeple Rise     | Pakuranga     | N/A                                         | L1           | 210                       | Unknown        | 3        | No                       | No                 | Yes         |
| 15/08/2017 | 13694866 | 9004163 | 58 Lagoon Dr        | Panmure       | N/A                                         | L1           | 284                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 16/08/2017 | 13697421 | 8969876 | 63 Tripoli Rd       | Panmure       | N/A                                         | L1           | 98                        | Unknown        | 0        | No                       | No                 | Yes         |
| 16/08/2017 | 13698886 | 8974765 | 175 Line Rd         | Glen Innes    | N/A                                         | L1           | 279                       | Fat            | 0        | No                       | No                 | Yes         |
| 18/08/2017 | 13701757 | 6211003 | 23 Ganymede Pl      | Half Moon Bay | N/A                                         | L1           | 214                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 18/08/2017 | 13702404 | 8791983 | 63 Tripoli Rd       | Panmure       | N/A                                         | L1           | 60                        | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 18/08/2017 | 13703360 | 8969810 | 38 Caen Rd          | Panmure       | N/A                                         | L1           | 207                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13707033 | 8974285 | 20A Castledine Cres | Glen Innes    | N/A                                         | L1           | 248                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 22/08/2017 | 13707814 | 8794832 | 12 Rochdale Ave     | Glendowie     | N/A                                         | L1           | 141                       | Roots          | 0        | No                       | No                 | Yes         |
| 24/08/2017 | 13712668 | 8974102 | 23 Heatherbank St   | Glen Innes    | N/A                                         | L1           | 74                        | Roots          | 2.5      | No                       | No                 | Yes         |
| 25/08/2017 | 13714969 | 8972164 | 13 Vanessa Cres     | Glendowie     | N/A                                         | L1           | 62                        | Fat            | 0        | No                       | No                 | Yes         |
| 28/08/2017 | 13718090 | 8972543 | 38 Pembroke Cres    | Glendowie     | N/A                                         | L1           | 132                       | Roots          | 13.5     | No                       | No                 | Yes         |
| 29/08/2017 | 13721118 | 6206245 | 1 Icarus Pl         | Half Moon Bay | N/A                                         | L1           | 105                       | Roots          | 0        | No                       | No                 | Yes         |
| 31/08/2017 | 13725120 | 8973409 | 22 Crossfield Rd    | Glendowie     | N/A                                         | L1           | 88                        | Unknown        | 18       | No                       | No                 | Yes         |
| 31/08/2017 | 13725580 | 9004287 | 3-35 Ireland Rd     | Panmure       | N/A                                         | L1           | 297                       | Unknown        | 18       | No                       | No                 | Yes         |
| 3/09/2017  | 13729339 | 6210496 | 7 Birman Cl         | Half Moon Bay | N/A                                         | L1           | 79                        | Roots          | 0.5      | No                       | No                 | Yes         |

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|------------|----------|---------|---------------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 5/09/2017  | 13732868 | 6208260 | 7 Birman Cl               | Half Moon Bay   | N/A                                         | L1           | 122                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 5/09/2017  | 13733566 | 8969876 | 63 Tripoli Rd             | Panmure         | N/A                                         | L1           | 90                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 6/09/2017  | 13737073 | 6214514 | 5A Butley Dr              | Farm Cove       | N/A                                         | L1           | 151                       | Roots          | 9        | No                       | No                 | Yes         |
| 6/09/2017  | 13736991 | 8796084 | 23 Heatherbank St         | Glen Innes      | N/A                                         | L1           | 165                       | Roots          | 9        | No                       | No                 | Yes         |
| 13/09/2017 | 13750358 | 8973968 | 2 Fenchurch St            | Glen Innes      | N/A                                         | L1           | 157                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 18/09/2017 | 13757829 | 9004485 | 80 Mt Wellington Highway  | Mt Wellington   | N/A                                         | L1           | 92                        | Unknown        | 12       | No                       | No                 | Yes         |
| 18/09/2017 | 13759642 | 9004485 | 105 Mt Wellington Highway | Mt Wellington   | N/A                                         | L1           | 173                       | Fat            | 12       | No                       | No                 | Yes         |
| 20/09/2017 | 13763542 | 9004326 | 101 Ireland Rd            | Panmure         | N/A                                         | L1           | 55                        | Unknown        | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13763772 | 6266974 | 45 Fordyce Ave            | Sunnyhills      | N/A                                         | L1           | 68                        | Roots          | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13763842 | 6215683 | 11 Kerswill Pl            | Pakuranga       | N/A                                         | L1           | 571                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 21/09/2017 | 13765954 | 8973394 | 2 Whitehaven Rd           | Glendowie       | N/A                                         | L1           | 68                        | Unknown        | 6        | No                       | No                 | Yes         |
| 22/09/2017 | 13769220 | 6489786 | 91 Fisher Pde             | Sunnyhills      | N/A                                         | L1           | 237                       | Fat            | 4        | No                       | No                 | Yes         |
| 23/09/2017 | 13769849 | 6214553 | 55 Fordyce Ave            | Sunnyhills      | N/A                                         | L1           | 104                       | Roots          | 0        | No                       | No                 | Yes         |
| 26/09/2017 | 13775245 | 6214732 | 11A Kerswill Pl           | Pakuranga       | N/A                                         | L1           | 42                        | Fat            | 11       | No                       | No                 | Yes         |
| 28/09/2017 | 13778716 | 8973469 | 470 Riddell Rd            | Glendowie       | N/A                                         | L1           | 89                        | Fat            | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13782580 | 8970067 | 1 Morrin Rd               | Mt Wellington   | N/A                                         | L1           | 440                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 1/10/2017  | 13783944 | 8973917 | 1 Mansfield St            | Glen Innes      | N/A                                         | L1           | 334                       | Roots          | 20       | No                       | No                 | Yes         |
| 2/10/2017  | 13784605 | 9004496 | 80 Mt Wellington Highway  | Mt Wellington   | N/A                                         | L1           | 142                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 2/10/2017  | 13784239 | 9004496 | 105 Mt Wellington Highway | Mt Wellington   | N/A                                         | L1           | 393                       | Fat            | 3.5      | No                       | No                 | Yes         |
| 2/10/2017  | 13786212 | 8974170 | 37 Line Rd                | Glen Innes      | N/A                                         | L1           | 154                       | Foreign Object | 3.5      | No                       | No                 | Yes         |
| 3/10/2017  | 13788304 | 8972697 | 41 Sierra St              | Glendowie       | N/A                                         | L1           | 554                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 5/10/2017  | 13792555 | 8795856 | 8A Maybury St             | Pt England      | N/A                                         | L1           | 42                        | Unknown        | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13795702 | 6489786 | 91 Fisher Pde             | Sunnyhills      | N/A                                         | L1           | 88                        | Unknown        | 1.5      | No                       | No                 | Yes         |
| 7/10/2017  | 13796149 | 8974953 | 2/335 St Johns Rd         | Meadowbank      | N/A                                         | L1           | 152                       | Unknown        | 6        | No                       | No                 | Yes         |
| 9/10/2017  | 13799124 | 8974107 | 28A Line Rd               | Glen Innes      | N/A                                         | L1           | 118                       | Roots          | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13813314 | 8796423 | 4A Hurstwood Pl           | Glen Innes      | N/A                                         | L1           | 463                       | Fat            | 0        | No                       | No                 | Yes         |
| 22/10/2017 | 13823795 | 6214707 | 11A Kerswill Pl           | Pakuranga       | N/A                                         | L1           | 116                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13827616 | 8973861 | 34 Taniwha St             | Wai-O-Taiki Bay | N/A                                         | L1           | 104                       | Rags           | 2        | No                       | No                 | Yes         |



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|------------|----------|---------|------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 25/10/2017 | 13828555 | 9004304 | 100 Ireland Rd   | Panmure       | N/A                                         | L1           | 412                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/10/2017 | 13833896 | 8974930 | 7 Lintaine Pl    | Glen Innes    | N/A                                         | L1           | 53                        | Roots            | 7.5      | No                       | No                 | Yes         |
| 28/10/2017 | 13835736 | 8972154 | 21 Vanessa Cres  | Glendowie     | N/A                                         | L1           | 557                       | Roots            | 4.5      | No                       | No                 | Yes         |
| 29/10/2017 | 13836196 | 8794322 | 12 Vista Cres    | Glendowie     | N/A                                         | L1           | 452                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 30/10/2017 | 13838810 | 8974027 | 49 Elstree Ave   | Glen Innes    | N/A                                         | L1           | 105                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/10/2017 | 13838957 | 8973307 | 4A Abingdon Pl   | Glendowie     | N/A                                         | L1           | 102                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13847177 | 8974554 | 185 Taniwha St   | Glen Innes    | N/A                                         | L1           | 178                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 6/11/2017  | 13852532 | 8972850 | 31 Emerson St    | Glendowie     | N/A                                         | L1           | 220                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861987 | 8973511 | 82A Bay Rd       | St Heliers    | N/A                                         | L1           | 458                       | Roots            | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863472 | 6206552 | 31 Birman Cl     | Half Moon Bay | N/A                                         | L1           | 136                       | 3rd Party Damage | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863408 | 6489786 | 91 Fisher Pde    | Sunnyhills    | N/A                                         | L1           | 112                       | Roots            | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13863826 | 9004387 | 29 Lagoon Dr     | Panmure       | -                                           | L2           | 317                       | Roots            | 0        | No                       | No                 | Yes         |
| 13/11/2017 | 13866316 | 6214456 | 30 Venus Pl      | Half Moon Bay | N/A                                         | L1           | 230                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 13/11/2017 | 13866098 | 7051303 | 91 Fisher Pde    | Sunnyhills    | N/A                                         | L1           | 626                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 15/11/2017 | 13872307 | 8792281 | 12 Matapan Rd    | Panmure       | N/A                                         | L1           | 134                       | Unknown          | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13870969 | 8974589 | 41 Ropata Ave    | Pt England    | N/A                                         | L1           | 237                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 15/11/2017 | 13872178 | 6205795 | 7 Te Akau Cres   | Half Moon Bay | N/A                                         | L1           | 127                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13876006 | 8795499 | 12 Sloane St     | Glen Innes    | N/A                                         | L1           | 215                       | Roots            | 0        | No                       | No                 | Yes         |
| 19/11/2017 | 13880340 | 8974224 | 5 Miniver St     | Glen Innes    | N/A                                         | L1           | 160                       | Roots            | 5        | No                       | No                 | Yes         |
| 19/11/2017 | 13880651 | 8974844 | 5 Cintra Pl      | Glen Innes    | N/A                                         | L1           | 143                       | Roots            | 5        | No                       | No                 | Yes         |
| 20/11/2017 | 13884325 | 8794642 | 513 Riddell Rd   | Glendowie     | N/A                                         | L1           | 115                       | Silts            | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13889910 | 8969681 | 156 Tripoli Rd   | Pt England    | N/A                                         | L1           | 170                       | Unknown          | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13893897 | 6210457 | 41 Argo Dr       | Half Moon Bay | N/A                                         | L1           | 115                       | Roots            | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13895516 | 8969875 | 63 Tripoli Rd    | Panmure       | N/A                                         | L1           | 447                       | Fat              | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13899547 | 8974587 | 12 Anderson Ave  | Pt England    | N/A                                         | L1           | 308                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13899686 | 8974365 | 43 Erima Ave     | Pt England    | N/A                                         | L1           | 147                       | Roots            | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13905340 | 9004679 | 30-44 Barrack Rd | Mt Wellington | N/A                                         | L1           | 191                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13905463 | 6207787 | 1/66 Takutai Ave | Pakuranga     | N/A                                         | L1           | 103                       | Roots            | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|-------------------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 30/11/2017 | 13910619 | 8972805 | 18 Emerson St                 | Glendowie     | N/A                                         | L1           | 126                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 30/11/2017 | 13911166 | 8975071 | 29A Lush Ave                  | St Johns      | N/A                                         | L1           | 229                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 1/12/2017  | 13913359 | 6253246 | 1/22 Regia Cl                 | Half Moon Bay | N/A                                         | L1           | 622                       | 3rd party damage | 1        | No                       | No                 | Yes         |
| 2/12/2017  | 13915192 | 8974954 | 2/335 St Johns Rd             | Meadowbank    | N/A                                         | L1           | 406                       | Fat              | 0        | No                       | No                 | Yes         |
| 4/12/2017  | 13918551 | 6214733 | 46 Pakuranga Rd               | Pakuranga     | N/A                                         | L1           | 654                       | Fat              | 5        | No                       | No                 | Yes         |
| 9/12/2017  | 13932187 | 6215833 | 18 The Boulevard              | Sunnyhills    | N/A                                         | L1           | 32                        | Unknown          | 0        | No                       | No                 | Yes         |
| 10/12/2017 | 13932698 | 6214089 | 1 Riverlea Ave                | Pakuranga     | N/A                                         | L1           | 231                       | Silts            | 0        | No                       | No                 | Yes         |
| 10/12/2017 | 13933052 | 9004687 | 104 Barrack Rd                | Mt Wellington | N/A                                         | L1           | 105                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13936769 | 8972606 | 21 Riddell Rd                 | Glendowie     | N/A                                         | L1           | 230                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13935828 | 8794743 | 82A Bay Rd                    | St Heliers    | N/A                                         | L1           | 255                       | Fat              | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13933855 | 8820687 | 522 Ellerslie-Panmure Highway | Mt Wellington | N/A                                         | L1           | 68                        | Rags             | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13948255 | 9004315 | 84 Ireland Rd                 | Panmure       | N/A                                         | L1           | 359                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13955524 | 8794997 | 18 Emerson St                 | Glendowie     | N/A                                         | L1           | 618                       | Fat              | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13956123 | 6216090 | 84 Pakuranga Rd               | Pakuranga     | N/A                                         | L1           | 237                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13959790 | 8969790 | 32A Matapan Rd                | Panmure       | N/A                                         | L1           | 309                       | Rags             | 3.5      | No                       | No                 | Yes         |
| 31/12/2017 | 13974941 | 9008948 | 237A Penrose Rd               | Mt Wellington | N/A                                         | L1           | 114                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 1/01/2018  | 13975246 | 8789200 | 38A Kawiti Ave                | Pt England    | N/A                                         | L1           | 559                       | Unknown          | 9.5      | No                       | No                 | Yes         |
| 2/01/2018  | 13975812 | 8974023 | 71 Elstree Ave                | Glen Innes    | N/A                                         | L1           | 446                       | Roots            | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977072 | 8973917 | 1 Mansfield St                | Glen Innes    | N/A                                         | L1           | 153                       | Fat              | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13976515 | 9004000 | 510 Ellerslie-Panmure Highway | Mt Wellington | -                                           | L2           | 176                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 4/01/2018  | 13980092 | 8972941 | 311 Riddell Rd                | Glendowie     | N/A                                         | L1           | 616                       | Unknown          | 45.5     | No                       | No                 | Yes         |
| 8/01/2018  | 13987916 | 8969559 | 34 Ngarimu Rd                 | Panmure       | N/A                                         | L1           | 480                       | Unknown          | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000391 | 8973160 | 1/142 Riddell Rd              | Glendowie     | N/A                                         | L1           | 201                       | Fat              | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14018763 | 6022386 | 45 Prince Regent Dr           | Half Moon Bay | N/A                                         | L1           | 487                       | Roots            | 14.5     | No                       | No                 | Yes         |
| 23/01/2018 | 14022584 | 8970132 | 5 Church Cres                 | Panmure       | N/A                                         | L1           | 342                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 24/01/2018 | 14025977 | 8972877 | 23A Emerson St                | Glendowie     | N/A                                         | L1           | 66                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14029981 | 8972857 | 4 Modena Cres                 | Glendowie     | N/A                                         | L1           | 37                        | Fat              | 0        | No                       | No                 | Yes         |
| 27/01/2018 | 14031905 | 6210513 | 6 Himalaya Dr                 | Half Moon Bay | N/A                                         | L1           | 198                       | Roots            | 0.5      | No                       | No                 | Yes         |

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|------------|----------|----------|------------------------|-----------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 29/01/2018 | 14032746 | 6023138  | 32A Majesty Pl         | Half Moon Bay   | N/A                                         | L1           | 114                       | Fat         | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14032801 | 8820995  | 3/35 Ireland Rd        | Panmure         | N/A                                         | L1           | 96                        | Rubbish     | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14034468 | 6206640  | 114 Prince Regent Dr   | Half Moon Bay   | N/A                                         | L1           | 122                       | Unknown     | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14034655 | 6211037  | 2/34 Sunderlands Rd    | Half Moon Bay   | N/A                                         | L1           | 536                       | Rags        | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14041234 | 8975040  | 2/17 Simkin Ave        | St Johns        | N/A                                         | L1           | 598                       | Roots       | 43.5     | No                       | No                 | Yes         |
| 2/02/2018  | 14044974 | 6205674  | 32R Morrow Ave         | Bucklands Beach | N/A                                         | L1           | 139                       | Roots       | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14045878 | 8973375  | 2/123 Riddell Rd       | Glendowie       | N/A                                         | L1           | 82                        | Unknown     | 26.5     | No                       | No                 | Yes         |
| 4/02/2018  | 14046680 | 9034120  | 227 Riverside Ave      | Pt England      | N/A                                         | L1           | 83                        | Unknown     | 9        | No                       | No                 | Yes         |
| 5/02/2018  | 14047985 | 50047891 | 4 Kings Rd             | Panmure         | N/A                                         | L1           | 95                        | Rags        | 13.5     | No                       | No                 | Yes         |
| 5/02/2018  | 14048285 | 8974860  | 25 Merfield St         | Glen Innes      | N/A                                         | L1           | 564                       | Unknown     | 13.5     | No                       | No                 | Yes         |
| 6/02/2018  | 14050247 | 6215627  | 91 Fisher Pde          | Sunnyhills      | N/A                                         | L1           | 486                       | Unknown     | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14053100 | 6214597  | 20 Tercel Pl           | Sunnyhills      | N/A                                         | L1           | 432                       | Roots       | 2.5      | No                       | No                 | Yes         |
| 10/02/2018 | 14060133 | 6205676  | 84 Clovelly Rd         | Bucklands Beach | N/A                                         | L1           | 590                       | Roots       | 19.5     | No                       | No                 | Yes         |
| 12/02/2018 | 14064831 | 8796399  | 2 Eastview Rd          | Glen Innes      | N/A                                         | L1           | 144                       | Unknown     | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14068625 | 8972606  | 21 Riddell Rd          | Glendowie       | N/A                                         | L1           | 117                       | Broken pipe | 8.5      | No                       | No                 | Yes         |
| 17/02/2018 | 14076872 | 8972922  | 268B St Heliers Bay Rd | St Heliers      | N/A                                         | L1           | 389                       | Unknown     | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14083016 | 8974119  | 8 Epping St            | Glen Innes      | N/A                                         | L1           | 154                       | Unknown     | 8.5      | No                       | No                 | Yes         |
| 24/02/2018 | 14093196 | 8820653  | 3/35 Ireland Rd        | Panmure         | N/A                                         | L1           | 87                        | Rags        | 0        | No                       | No                 | Yes         |
| 2/03/2018  | 14107588 | 8972922  | 272A St Heliers Bay Rd | St Heliers      | N/A                                         | L1           | 320                       | Unknown     | 2        | No                       | No                 | Yes         |
| 8/03/2018  | 14124450 | 8972532  | 51 Wendover Rd         | Glendowie       | N/A                                         | L1           | 767                       | Broken pipe | 3        | No                       | No                 | Yes         |
| 8/03/2018  | 14124633 | 8821103  | 58 Waipuna Rd          | Panmure         | N/A                                         | L1           | 84                        | Fat         | 3        | No                       | No                 | Yes         |
| 8/03/2018  | 14126312 | 6022862  | 28 Venus Pl            | Half Moon Bay   | N/A                                         | L1           | 77                        | Roots       | 3        | No                       | No                 | Yes         |
| 10/03/2018 | 14129896 | 8972922  | 272A St Heliers Bay Rd | St Heliers      | N/A                                         | L1           | 588                       | Silts       | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130697 | 8974837  | 11 Cintra Pl           | Glen Innes      | N/A                                         | L1           | 128                       | Roots       | 0        | No                       | No                 | Yes         |
| 15/03/2018 | 14141194 | 8969792  | 76 Kings Rd            | Panmure         | N/A                                         | L1           | 528                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 15/03/2018 | 14142593 | 6266412  | 182 Fisher Pde         | Sunnyhills      | N/A                                         | L1           | 97                        | Fat         | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14147022 | 9004741  | 178A Barrack Rd        | Mt Wellington   | N/A                                         | L1           | 124                       | Unknown     | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147683 | 6214097  | 2/20 Steeple Rise      | Pakuranga       | N/A                                         | L1           | 137                       | Fat         | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|-------------------|-----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 20/03/2018 | 14154553 | 8973538 | 82 Kesteven Ave   | Glendowie       | N/A                                         | L1           | 247                       | Roots            | 2.5      | No                       | No                 | Yes         |
| 22/03/2018 | 14158515 | 9004153 | Church Cres       | Panmure         | N/A                                         | L1           | 148                       | Unknown          | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14160762 | 8974027 | 49 Elstree Ave    | Glen Innes      | N/A                                         | L1           | 232                       | Fat              | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14161894 | 9004206 | 58 Lagoon Dr      | Panmure         | N/A                                         | L1           | 135                       | Rags             | 14       | No                       | No                 | Yes         |
| 23/03/2018 | 14163619 | 8969792 | 76 Kings Rd       | Panmure         | N/A                                         | L1           | 130                       | Roots            | 14       | No                       | No                 | Yes         |
| 24/03/2018 | 14164790 | 8973517 | 10 Evesham Ave    | Glendowie       | N/A                                         | L1           | 608                       | Roots            | 10       | No                       | No                 | Yes         |
| 26/03/2018 | 14166877 | 9004154 | 2/49 Church Cres  | Panmure         | N/A                                         | L1           | 90                        | Foreign Object   | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14171821 | 9009087 | 2/9 Lavas Pl      | Mt Wellington   | N/A                                         | L1           | 283                       | Unknown          | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14172106 | 8973555 | 68 Kildare Ave    | Glendowie       | N/A                                         | L1           | 219                       | Unknown          | 0        | No                       | No                 | Yes         |
| 31/03/2018 | 14179055 | 8969846 | 19 Alamein Rd     | Panmure         | N/A                                         | L1           | 107                       | Roots            | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14181187 | 8793833 | 6 California Pl   | Glendowie       | N/A                                         | L1           | 83                        | Unknown          | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14186229 | 9004719 | 70A Boakes Rd     | Mt Wellington   | N/A                                         | L1           | 96                        | Broken pipe      | 1        | No                       | No                 | Yes         |
| 6/04/2018  | 14192611 | 8974737 | 121 Morrin Rd     | St Johns        | N/A                                         | L1           | 72                        | Unknown          | 0        | No                       | No                 | Yes         |
| 7/04/2018  | 14193976 | 8974990 | 16 Abraham Pl     | St Johns        | N/A                                         | L1           | 155                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 8/04/2018  | 14194646 | 8820651 | 3-35 Ireland Rd   | Panmure         | N/A                                         | L1           | 489                       | Rags             | 0        | No                       | No                 | Yes         |
| 13/04/2018 | 14208901 | 6215374 | 76 Fisher Pde     | Sunnyhills      | N/A                                         | L1           | 487                       | Broken pipe      | 15.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211221 | 6215627 | 91 Fisher Pde     | Sunnyhills      | N/A                                         | L1           | 148                       | 3rd Party Damage | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211282 | 8974860 | 25 Merfield St    | Glen Innes      | N/A                                         | L1           | 298                       | Surcharging      | 67       | No                       | No                 | Yes         |
| 14/04/2018 | 14211618 | 8974440 | 137 Taniwha St    | Glen Innes      | N/A                                         | L1           | 98                        | Surcharging      | 67       | No                       | No                 | Yes         |
| 17/04/2018 | 14219544 | 6205522 | 40 Waller Ave     | Bucklands Beach | N/A                                         | L1           | 125                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 20/04/2018 | 14227013 | 8974176 | 25 Merfield St    | Glen Innes      | N/A                                         | L1           | 65                        | Fat              | 0.5      | No                       | No                 | Yes         |
| 20/04/2018 | 14227943 | 8795968 | 221 Tripoli Rd    | Pt England      | N/A                                         | L1           | 129                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 21/04/2018 | 14229010 | 8974859 | Castledine Cres   | Glen Innes      | N/A                                         | L1           | 432                       | Broken Pipe      | 5        | No                       | No                 | Yes         |
| 24/04/2018 | 14237457 | 6205479 | 32 Morrow Ave     | Bucklands Beach | N/A                                         | L1           | 129                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 25/04/2018 | 14238348 | 7099801 | 205C Pakuranga Rd | Pakuranga       | N/A                                         | L1           | 40                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14239001 | 8975090 | 49 Swainston Rd   | St Johns        | N/A                                         | L1           | 210                       | Fat              | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14243808 | 9004163 | 58 Lagoon Dr      | Panmure         | N/A                                         | L1           | 63                        | Rags             | 0        | No                       | No                 | Yes         |
| 3/05/2018  | 14257292 | 6215667 | 2/51 Riverlea Ave | Pakuranga       | N/A                                         | L1           | 53                        | Roots            | 2.5      | No                       | No                 | Yes         |

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|------------|----------|----------|-------------------------------|-----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 7/05/2018  | 14265524 | 8969631  | 25 Kawiti Ave                 | Pt England      | N/A                                         | L1           | 601                       | Unknown          | 0        | No                       | No                 | Yes         |
| 13/05/2018 | 14281723 | 9004375  | 519 Ellerslie-Panmure Highway | Mt Wellington   | N/A                                         | L1           | 427                       | Fat              | 25.5     | No                       | No                 | Yes         |
| 17/05/2018 | 14294571 | 6966652  | 61 Compass Point Way          | Half Moon Bay   | N/A                                         | L1           | 120                       | Fat              | 3        | No                       | No                 | Yes         |
| 18/05/2018 | 14297727 | 6210101  | 38A Takutai Ave               | Pakuranga       | N/A                                         | L1           | 470                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317404 | 6205881  | 1/28A The Parade              | Bucklands Beach | N/A                                         | L1           | 136                       | Roots            | 1        | No                       | No                 | Yes         |
| 26/05/2018 | 14317519 | 8973469  | 468 Riddell Rd                | Glendowie       | N/A                                         | L1           | 265                       | Unknown          | 1        | No                       | No                 | Yes         |
| 31/05/2018 | 14330057 | 8792515  | 1/68 Jellicoe Rd              | Mt Wellington   | N/A                                         | L1           | 623                       | Unknown          | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335175 | 8795141  | 2/76 West Tamaki Rd           | St Heliers      | N/A                                         | L1           | 31                        | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335192 | 8974042  | 8 Sloane St                   | Glen Innes      | N/A                                         | L1           | 630                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335212 | 50113433 | 25 Merfield St                | Glen Innes      | N/A                                         | L1           | 255                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335214 | 8794999  | 65 Ashby Ave                  | St Heliers      | N/A                                         | L1           | 655                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335229 | 6205502  | 1/30 The Parade               | Bucklands Beach | N/A                                         | L1           | 696                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335234 | 6214095  | 10 Steeple Rise               | Pakuranga       | N/A                                         | L1           | 161                       | Surcharging      | 43.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335240 | 8792244  | 47 Dunkirk Rd                 | Panmure         | N/A                                         | L1           | 572                       | Silts            | 43.5     | No                       | No                 | Yes         |
| 4/06/2018  | 14335763 | 6206641  | 134 Prince Regent Dr          | Half Moon Bay   | N/A                                         | L1           | 63                        | Surcharging      | 52       | No                       | No                 | Yes         |
| 5/06/2018  | 14339500 | 8796046  | 53 Castledine Cres            | Glen Innes      | N/A                                         | L1           | 92                        | Unknown          | 3        | No                       | No                 | Yes         |
| 5/06/2018  | 14339552 | 6266299  | 46 Fielding Cres              | Farm Cove       | N/A                                         | L1           | 110                       | Surcharging      | 3        | No                       | No                 | Yes         |
| 21/06/2018 | 14379766 | 50234825 | 85 Merton Rd                  | St Johns        | N/A                                         | L1           | 261                       | 3rd party damage | 1        | No                       | No                 | Yes         |
| 23/06/2018 | 14384429 | 8973984  | 44 Elstree Ave                | Glen Innes      | N/A                                         | L1           | 119                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 25/06/2018 | 14387605 | 8974765  | 296 Apirana Ave               | Glen Innes      | N/A                                         | L1           | 98                        | Roots            | 26.5     | No                       | No                 | Yes         |
| 27/06/2018 | 14393946 | 6262333  | 35 Takutai Ave                | Pakuranga       | N/A                                         | L1           | 123                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 28/06/2018 | 14397635 | 8974783  | 182- Apirana Ave              | Glen Innes      | N/A                                         | L1           | 285                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 28/06/2018 | 14397860 | 8974783  | 4A Crescent Rd                | Parnell         | N/A                                         | L1           | 227                       | Fat              | 2.5      | No                       | No                 | Yes         |

**Table 26: Overflows in the Upper Tamaki River Catchment Area**

| Date       | SR #     | Compkey | Address             | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------|-----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 1/07/2017  | 13611844 | 6223211 | 12 Troon Pl         | Papatoetoe      | N/A                                         | L1           | 576                       | Fat              | 25       | No                       | No                 | Yes         |
| 1/07/2017  | 13611833 | 1572907 | 731A Great South Rd | Papatoetoe      | N/A                                         | L1           | 642                       | Fat              | 25       | No                       | No                 | Yes         |
| 1/07/2017  | 13611944 | 8997383 | 14 Avenue Rd        | Otahuhu         | N/A                                         | L1           | 256                       | Rubbish          | 25       | No                       | No                 | Yes         |
| 2/07/2017  | 13612780 | 8996612 | 281 Panama Rd       | Mt Wellington   | N/A                                         | L1           | 127                       | Unknown          | 16       | No                       | No                 | Yes         |
| 3/07/2017  | 13615018 | 6045171 | 1 Rito Pl           | Papatoetoe      | N/A                                         | L1           | 220                       | Fat              | 0        | No                       | No                 | Yes         |
| 4/07/2017  | 13616603 | 1577057 | 30 Ashlynn Ave      | Papatoetoe      | N/A                                         | L1           | 50                        | Fat              | 0.49     | No                       | No                 | Yes         |
| 4/07/2017  | 13617530 | 8997040 | 31 Atkinson Ave     | Otahuhu         | N/A                                         | L1           | 211                       | Silts            | 0.49     | No                       | No                 | Yes         |
| 4/07/2017  | 13616819 | 6215484 | 10 Pandora Pl       | Pakuranga       | N/A                                         | L1           | 672                       | Roots            | 0.49     | No                       | No                 | Yes         |
| 4/07/2017  | 13617809 | 1572701 | 23 Alexander Cres   | Otara           | N/A                                         | L1           | 71                        | Rubbish          | 0.49     | No                       | No                 | Yes         |
| 5/07/2017  | 13618531 | 8825152 | 17 Commissariat Rd  | Mt Wellington   | N/A                                         | L1           | 194                       | Roots            | 10.13    | No                       | No                 | Yes         |
| 6/07/2017  | 13622470 | 8998327 | 3 Mcdonald Pl       | Otahuhu         | N/A                                         | L1           | 451                       | Fat              | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13622879 | 9007834 | 2B George Bourke Dr | Mt Wellington   | N/A                                         | L1           | 155                       | Rubbish          | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13623145 | 6239051 | 36 Awatere St       | Otara           | N/A                                         | L1           | 435                       | Surcharging      | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13623191 | 6208247 | 1/11 Udall Pl       | Bucklands Beach | N/A                                         | L1           | 165                       | Surcharging      | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13623202 | 1564242 | 2 Glennandrew Dr    | Half Moon Bay   | N/A                                         | L1           | 249                       | Surcharging      | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13623229 | 6208247 | 9 Udall Pl          | Bucklands Beach | N/A                                         | L1           | 135                       | Surcharging      | 37.23    | No                       | No                 | Yes         |
| 6/07/2017  | 13623331 | 6220456 | 33 Awatere St       | Otara           | N/A                                         | L1           | 248                       | Surcharging      | 37.23    | No                       | No                 | Yes         |
| 7/07/2017  | 13623720 | 6209985 | 13A Fiesta Dr       | Highland Park   | N/A                                         | L1           | 123                       | Surcharging      | 6.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13623837 | 6206264 | 10 Yacht Pl         | Half Moon Bay   | N/A                                         | L1           | 231                       | Surcharging      | 6.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13623872 | 1565736 | 41 Stanniland St    | Sunnyhills      | N/A                                         | L1           | 400                       | Rubbish          | 6.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624421 | 8997441 | 42 Avenue Rd        | Otahuhu         | N/A                                         | L1           | 95                        | Rubbish          | 6.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624573 | 7106659 | 60 Highbrook Dr     | East Tamaki     | N/A                                         | L1           | 591                       | Fat              | 6.5      | No                       | No                 | Yes         |
| 7/07/2017  | 13624735 | 1552254 | 201 Gills Rd        | Highland Park   | N/A                                         | L1           | 384                       | 3rd party damage | 6.5      | No                       | No                 | Yes         |
| 9/07/2017  | 13626257 | 6206853 | 41 Stanniland St    | Sunnyhills      | N/A                                         | L1           | 612                       | Rubbish          | 17.5     | No                       | No                 | Yes         |
| 10/07/2017 | 13627522 | 6215203 | 1/26 Pandora Pl     | Pakuranga       | N/A                                         | L1           | 101                       | Unknown          | 3        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                       | Suburb            | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-------------------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 10/07/2017 | 13628333 | 6465963 | 17 Thomas Rd                  | Flat Bush         | N/A                                         | L1           | 124                       | Rubbish          | 3        | No                       | No                 | Yes         |
| 11/07/2017 | 13631509 | 6221452 | 6 Leonard Pl                  | Otara             | N/A                                         | L1           | 81                        | Fat              | 6        | No                       | No                 | Yes         |
| 12/07/2017 | 13631948 | 8815317 | 10 Walters Rd                 | Mt Wellington     | N/A                                         | L1           | 291                       | Fat              | 9        | No                       | No                 | Yes         |
| 13/07/2017 | 13635566 | 6219656 | 23 Eric Baker Pl              | Papatoetoe        | N/A                                         | L1           | 296                       | Fat              | 6.5      | No                       | No                 | Yes         |
| 14/07/2017 | 13637726 | 6958827 | 88 Middlefield Dr             | East Tamaki       | N/A                                         | L1           | 114                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 14/07/2017 | 13637827 | 9008869 | 350 Ellerslie-Panmure Highway | Mt Wellington     | N/A                                         | L1           | 97                        | Rubbish          | 2.5      | No                       | No                 | Yes         |
| 15/07/2017 | 13638518 | 6219235 | 477 Great South Rd            | Papatoetoe        | N/A                                         | L1           | 76                        | Fat              | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13638971 | 6268360 | 15 Miramar Pl                 | Pakuranga Heights | N/A                                         | L1           | 84                        | Unknown          | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13639016 | 6215037 | 1/17 Miramar Pl               | Pakuranga Heights | N/A                                         | L1           | 668                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640342 | 8997720 | 282 Panama Rd                 | Mt Wellington     | N/A                                         | L1           | 115                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640706 | 6206991 | 1/42 Lexington Dr             | Botany Downs      | N/A                                         | L1           | 647                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641160 | 6219318 | 711 Great South Rd            | Papatoetoe        | N/A                                         | L1           | 110                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641812 | 8997536 | 4 Nixon Ave                   | Otahuhu           | N/A                                         | L1           | 123                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13642622 | 8997009 | 6 Church St                   | Otahuhu           | N/A                                         | L1           | 144                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 18/07/2017 | 13642801 | 6220192 | 1/449 Great South Rd          | Papatoetoe        | N/A                                         | L1           | 502                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13646752 | 6509126 | 96/2 Armoy Dr                 | East Tamaki       | N/A                                         | L1           | 233                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 20/07/2017 | 13648524 | 8997536 | 4 Nixon Ave                   | Otahuhu           | N/A                                         | L1           | 563                       | Rubbish          | 10       | No                       | No                 | Yes         |
| 21/07/2017 | 13651063 | 6208876 | 262 Pakuranga Rd              | Pakuranga         | N/A                                         | L1           | 624                       | Rubbish          | 21       | No                       | No                 | Yes         |
| 21/07/2017 | 13651091 | 8997214 | 29 Tamaki Ave                 | Otahuhu           | N/A                                         | L1           | 224                       | Rubbish          | 21       | No                       | No                 | Yes         |
| 22/07/2017 | 13652337 | 7014523 | 2/329 Pakuranga Rd            | Pakuranga         | N/A                                         | L1           | 534                       | Fat              | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652342 | 8996977 | 10 Walters Rd                 | Mt Wellington     | N/A                                         | L1           | 560                       | Surcharging      | 14       | No                       | No                 | Yes         |
| 22/07/2017 | 13652552 | 6210299 | 90 Nelson St                  | Howick            | N/A                                         | L1           | 136                       | Roots            | 14       | No                       | No                 | Yes         |
| 23/07/2017 | 13652714 | 9008779 | 14A Mcrae Rd                  | Mt Wellington     | N/A                                         | L1           | 214                       | Roots            | 1.5      | No                       | No                 | Yes         |
| 23/07/2017 | 13652767 | 6213856 | 2/45 Archmillen Ave           | Pakuranga Heights | N/A                                         | L1           | 580                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 24/07/2017 | 13654764 | 6231539 | 1/127 Boundary Rd             | Otara             | N/A                                         | L1           | 137                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 25/07/2017 | 13656020 | 6215045 | 147 Gossamer Dr               | Pakuranga Heights | N/A                                         | L1           | 493                       | Fat              | 1        | No                       | No                 | Yes         |
| 25/07/2017 | 13656611 | 6215046 | 151 Gossamer Dr               | Pakuranga Heights | N/A                                         | L1           | 287                       | Rubbish          | 1        | No                       | No                 | Yes         |
| 27/07/2017 | 13661608 | 6210639 | 2/97 Nelson St                | Howick            | N/A                                         | L1           | 574                       | Rubbish          | 5.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address              | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|----------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 28/07/2017 | 13664957 | 6239146 | 1/8 Bowscale Pl      | Northpark       | N/A                                         | L1           | 148                       | Rubbish        | 7.5      | No                       | No                 | Yes         |
| 30/07/2017 | 13665786 | 6208962 | 109 Bradbury Rd      | Highland Park   | N/A                                         | L1           | 93                        | Roots          | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13670930 | 6223185 | 42 Wedgwood Ave      | Mangere East    | N/A                                         | L1           | 82                        | Fat            | 0        | No                       | No                 | Yes         |
| 3/08/2017  | 13674504 | 6210956 | 200 Burswood Dr      | East Tamaki     | N/A                                         | L1           | 74                        | Unknown        | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13676001 | 9009745 | 1/4 Carrs Pl         | Ellerslie       | N/A                                         | L1           | 94                        | Fat            | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13676555 | 6964701 | 109 Wayne Francis Dr | East Tamaki     | N/A                                         | L1           | 632                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677512 | 6221549 | 4 Ferguson Rd        | Otara           | N/A                                         | L1           | 49                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 5/08/2017  | 13678125 | 6215740 | 5 Riverina Ave       | Pakuranga       | N/A                                         | L1           | 154                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678514 | 6223275 | 2/31 Graeme Ave      | Mangere East    | N/A                                         | L1           | 75                        | Unknown        | 3        | No                       | No                 | Yes         |
| 7/08/2017  | 13679313 | 7092746 | Lucca Cres           | Flat Bush       | N/A                                         | L1           | 155                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13681076 | 7049296 | 23 Bartells Dr       | Manukau Central | N/A                                         | L1           | 96                        | Roots          | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13681152 | 8997833 | 186 Panama Rd        | Mt Wellington   | N/A                                         | L1           | 158                       | Fat            | 0        | No                       | No                 | Yes         |
| 8/08/2017  | 13682747 | 6206590 | 18 Marendellas Dr    | Highland Park   | N/A                                         | L1           | 636                       | Roots          | 3.46     | No                       | No                 | Yes         |
| 9/08/2017  | 13686178 | 6213706 | 65A Rodney St        | Howick          | N/A                                         | L1           | 637                       | Fat            | 19.29    | No                       | No                 | Yes         |
| 10/08/2017 | 13687823 | 9227521 | 36 Lunn Ave          | Mt Wellington   | N/A                                         | L1           | 230                       | Broken pipe    | 0.49     | No                       | No                 | Yes         |
| 10/08/2017 | 13688253 | 6223337 | 1/24 Swaffield Rd    | Papatoetoe      | N/A                                         | L1           | 346                       | Fat            | 0.49     | No                       | No                 | Yes         |
| 12/08/2017 | 13690529 | 8997169 | 20 Ronaki Rd         | Otahuhu         | N/A                                         | L1           | 347                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/08/2017 | 13690561 | 6209191 | 12 Gillett Pl        | Botany Downs    | N/A                                         | L1           | 595                       | Roots          | 0        | No                       | No                 | Yes         |
| 13/08/2017 | 13690969 | 9009257 | 1A Mahoe Ave         | Remuera         | N/A                                         | L1           | 517                       | Unknown        | 7.91     | No                       | No                 | Yes         |
| 13/08/2017 | 13690988 | 6988350 | 15A Edgewater Dr     | Pakuranga       | N/A                                         | L1           | 552                       | Foreign Object | 7.91     | No                       | No                 | Yes         |
| 13/08/2017 | 13691025 | 8996977 | 10 Walters Rd        | Mt Wellington   | N/A                                         | L1           | 94                        | Unknown        | 7.91     | No                       | No                 | Yes         |
| 13/08/2017 | 13691064 | 6219240 | 1/15 Alexander Cres  | Otara           | N/A                                         | L1           | 201                       | Surcharging    | 7.91     | No                       | No                 | Yes         |
| 14/08/2017 | 13692600 | 6212394 | 24 Aberfeldy Ave     | Highland Park   | N/A                                         | L1           | 525                       | Unknown        | 1.98     | No                       | No                 | Yes         |
| 14/08/2017 | 13693433 | 6215128 | 157 Edgewater Dr     | Pakuranga       | N/A                                         | L1           | 201                       | Fat            | 1.98     | No                       | No                 | Yes         |
| 16/08/2017 | 13697250 | 6218992 | 4/34 Hoteo Ave       | Papatoetoe      | N/A                                         | L1           | 193                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/08/2017 | 13697520 | 7049237 | 28 Lowburn Pl        | Clover Park     | N/A                                         | L1           | 73                        | Silts          | 0        | No                       | No                 | Yes         |
| 17/08/2017 | 13700576 | 6218324 | 12 Zelanian Dr       | East Tamaki     | N/A                                         | L1           | 498                       | Foreign Object | 2.48     | No                       | No                 | Yes         |
| 18/08/2017 | 13702821 | 9008969 | 207 Penrose Rd       | Mt Wellington   | N/A                                         | L1           | 68                        | Unknown        | 0        | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey  | Address             | Suburb            | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 18/08/2017 | 13703506 | 6210647  | 24 Whiteacres Dr    | Sunnyhills        | N/A                                         | L1           | 100                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/08/2017 | 13703734 | 6219824  | 21 Birch Pl         | Otara             | N/A                                         | L1           | 165                       | Unknown        | 4.94     | No                       | No                 | Yes         |
| 19/08/2017 | 13703840 | 6219985  | 3 Bruce Pl          | Papatoetoe        | N/A                                         | L1           | 442                       | Surcharging    | 4.94     | No                       | No                 | Yes         |
| 20/08/2017 | 13704643 | 6216043  | 188 Pakuranga Rd    | Pakuranga         | N/A                                         | L1           | 175                       | Roots          | 2.97     | No                       | No                 | Yes         |
| 21/08/2017 | 13705582 | 10317532 | 4 Lucca Cres        | Flat Bush         | N/A                                         | L1           | 90                        | Unknown        | 1.48     | No                       | No                 | Yes         |
| 21/08/2017 | 13705933 | 6230753  | 23 Bartells Dr      | Manukau Central   | N/A                                         | L1           | 109                       | Roots          | 1.48     | No                       | No                 | Yes         |
| 22/08/2017 | 13708124 | 6206228  | 32S Macleans Rd     | Bucklands Beach   | N/A                                         | L1           | 506                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708138 | 6223339  | 11 Gordon Rd        | Papatoetoe        | N/A                                         | L1           | 92                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708418 | 6210008  | 16 Chesley Pl       | Highland Park     | N/A                                         | L1           | 580                       | Roots          | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13711679 | 8814600  | 289 Panama Rd       | Mt Wellington     | N/A                                         | L1           | 271                       | Fat            | 0        | No                       | No                 | Yes         |
| 24/08/2017 | 13712662 | 6221019  | 135 Rangitoto Rd    | Papatoetoe        | N/A                                         | L1           | 84                        | Fat            | 0        | No                       | No                 | Yes         |
| 24/08/2017 | 13713177 | 6214340  | 1 Chevis Pl         | Pakuranga Heights | N/A                                         | L1           | 92                        | Fat            | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715134 | 6221587  | 4 Capstick Rd       | Otara             | N/A                                         | L1           | 54                        | Unknown        | 0        | No                       | No                 | Yes         |
| 27/08/2017 | 13716892 | 6234685  | 28 Windoma Cir      | Papatoetoe        | N/A                                         | L1           | 643                       | Unknown        | 3.38     | No                       | No                 | Yes         |
| 28/08/2017 | 13718641 | 6221403  | 90 Franklyne Rd     | Otara             | N/A                                         | L1           | 619                       | Fat            | 11.11    | No                       | No                 | Yes         |
| 29/08/2017 | 13720150 | 6222304  | 62 Rosella Rd       | Mangere East      | N/A                                         | L1           | 139                       | Fat            | 0        | No                       | No                 | Yes         |
| 29/08/2017 | 13720731 | 6213314  | 2A Murvale Dr       | Bucklands Beach   | N/A                                         | L1           | 519                       | Roots          | 0        | No                       | No                 | Yes         |
| 29/08/2017 | 13720835 | 6219059  | 14 Ingram Cres      | Otara             | N/A                                         | L1           | 583                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 29/08/2017 | 13721679 | 6208083  | 26 Colum Pl         | Bucklands Beach   | N/A                                         | L1           | 155                       | Roots          | 0        | No                       | No                 | Yes         |
| 29/08/2017 | 13721768 | 6224297  | 1/12 Spring St      | Papatoetoe        | N/A                                         | L1           | 62                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 30/08/2017 | 13722505 | 6208083  | 26 Colum Pl         | Bucklands Beach   | N/A                                         | L1           | 105                       | Fat            | 16.42    | No                       | No                 | Yes         |
| 30/08/2017 | 13723048 | 6219347  | 731A Great South Rd | Papatoetoe        | N/A                                         | L1           | 509                       | Foreign Object | 16.42    | No                       | No                 | Yes         |
| 30/08/2017 | 13723923 | 9226841  | 37 Church St        | Otahuhu           | N/A                                         | L1           | 149                       | Broken Pipe    | 16.42    | No                       | No                 | Yes         |
| 31/08/2017 | 13725659 | 8745830  | 5 Cracroft St       | Otahuhu           | -                                           | L2           | 408                       | Broken Pipe    | 2.89     | No                       | No                 | Yes         |
| 1/09/2017  | 13727588 | 9226841  | 37 Church St        | Otahuhu           | N/A                                         | L1           | 158                       | Broken Pipe    | 0.49     | No                       | No                 | Yes         |
| 2/09/2017  | 13728927 | 6221403  | 90 Franklyne Rd     | Otara             | N/A                                         | L1           | 86                        | Rubbish        | 16.42    | No                       | No                 | Yes         |
| 4/09/2017  | 13730501 | 6958954  | 325 Chapel Rd       | Flat Bush         | N/A                                         | L1           | 52                        | Fat            | 0.49     | No                       | No                 | Yes         |
| 4/09/2017  | 13731948 | 9008735  | 23 Lynton Rd        | Mt Wellington     | N/A                                         | L1           | 93                        | Unknown        | 0.49     | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 5/09/2017  | 13733609 | 6958954  | 327 Chapel Rd             | Flat Bush         | N/A                                         | L1           | 515                       | Fat              | 0.48     | No                       | No                 | Yes         |
| 6/09/2017  | 13737044 | 6465879  | 2/136 Rangitoto Rd        | Papatoetoe        | N/A                                         | L1           | 80                        | Fat              | 8.69     | No                       | No                 | Yes         |
| 6/09/2017  | 13735857 | 6220239  | 41 Wymondley Rd           | Otara             | N/A                                         | L1           | 138                       | Roots            | 8.69     | No                       | No                 | Yes         |
| 7/09/2017  | 13738634 | 9009005  | 35 Panorama Rd            | Mt Wellington     | N/A                                         | L1           | 505                       | Rags             | 4.35     | No                       | No                 | Yes         |
| 7/09/2017  | 13738047 | 6220239  | 41 Wymondley Rd           | Otara             | N/A                                         | L1           | 147                       | Unknown          | 4.35     | No                       | No                 | Yes         |
| 7/09/2017  | 13738056 | 6969671  | 28 Accent Dr              | East Tamaki       | N/A                                         | L1           | 118                       | Roots            | 4.35     | No                       | No                 | Yes         |
| 10/09/2017 | 13742609 | 6979630  | 5 Coronation Rd           | Papatoetoe        | N/A                                         | L1           | 586                       | Fat              | 5.8      | No                       | No                 | Yes         |
| 11/09/2017 | 13744055 | 6223333  | 5 Gordon Rd               | Papatoetoe        | N/A                                         | L1           | 120                       | 3rd party damage | 3.86     | No                       | No                 | Yes         |
| 11/09/2017 | 13744686 | 6210216  | 357 Bucklands Beach Rd    | Bucklands Beach   | N/A                                         | L1           | 74                        | Roots            | 3.86     | No                       | No                 | Yes         |
| 12/09/2017 | 13746773 | 6219901  | 3 Haumia Way              | Otara             | N/A                                         | L1           | 103                       | Rubbish          | 4.83     | No                       | No                 | Yes         |
| 12/09/2017 | 13746007 | 6209128  | 23 Edendale Rd            | Northpark         | N/A                                         | L1           | 113                       | Roots            | 4.83     | No                       | No                 | Yes         |
| 13/09/2017 | 13748841 | 9009360  | 10/9 Harrison Rd          | Mt Wellington     | N/A                                         | L1           | 85                        | Unknown          | 0        | No                       | No                 | Yes         |
| 14/09/2017 | 13751406 | 6216001  | 52 Lame Ave               | Pakuranga Heights | N/A                                         | L1           | 96                        | Unknown          | 0.48     | No                       | No                 | Yes         |
| 15/09/2017 | 13754290 | 7035417  | 2 Soljans Pl              | East Tamaki       | N/A                                         | L1           | 121                       | Unknown          | 2.9      | No                       | No                 | Yes         |
| 15/09/2017 | 13755193 | 6211589  | 257 Ti Rakau Dr           | East Tamaki       | N/A                                         | L1           | 198                       | Fat              | 2.9      | No                       | No                 | Yes         |
| 16/09/2017 | 13756507 | 7038696  | 24 Triumph Rd             | Flat Bush         | N/A                                         | L1           | 641                       | Roots            | 9.17     | No                       | No                 | Yes         |
| 16/09/2017 | 13756682 | 50007262 | 29 Silvana Dr             | Flat Bush         | N/A                                         | L1           | 150                       | Unknown          | 9.17     | No                       | No                 | Yes         |
| 18/09/2017 | 13759606 | 9008468  | 248- Marua Rd             | Mt Wellington     | N/A                                         | L1           | 88                        | Fat              | 10.62    | No                       | No                 | Yes         |
| 18/09/2017 | 13758789 | 6478290  | 2/23 Springs Rd           | East Tamaki       | N/A                                         | L1           | 628                       | Unknown          | 10.62    | No                       | No                 | Yes         |
| 20/09/2017 | 13763942 | 9173937  | 36 Lunn Ave               | Mt Wellington     | N/A                                         | L1           | 505                       | Unknown          | 0        | No                       | No                 | Yes         |
| 20/09/2017 | 13764821 | 6215275  | 12 Carole Cres            | Pakuranga Heights | N/A                                         | L1           | 55                        | Unknown          | 0        | No                       | No                 | Yes         |
| 21/09/2017 | 13766983 | 6216150  | 31 Carole Cres            | Pakuranga Heights | N/A                                         | L1           | 243                       | Fat              | 4.35     | No                       | No                 | Yes         |
| 21/09/2017 | 13767094 | 6219352  | 1 Lansdown Ave            | Papatoetoe        | N/A                                         | L1           | 139                       | Unknown          | 4.35     | No                       | No                 | Yes         |
| 22/09/2017 | 13769342 | 9008015  | 510 Mt Wellington Highway | Mt Wellington     | N/A                                         | L1           | 470                       | Silts            | 2.42     | No                       | No                 | Yes         |
| 22/09/2017 | 13767719 | 6214260  | 8 Cindy Pl                | Pakuranga Heights | N/A                                         | L1           | 210                       | Fat              | 2.42     | No                       | No                 | Yes         |
| 24/09/2017 | 13770524 | 6488926  | 2/35 Voltaire Crt         | Botany Downs      | N/A                                         | L1           | 100                       | Fat              | 0        | No                       | No                 | Yes         |
| 24/09/2017 | 13770629 | 8824404  | 14 Tomuri Pl              | Mt Wellington     | N/A                                         | L1           | 209                       | Roots            | 0        | No                       | No                 | Yes         |
| 24/09/2017 | 13770331 | 8997217  | 29 Tamaki Ave             | Otahuhu           | N/A                                         | L1           | 551                       | Fat              | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|-------------------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 25/09/2017 | 13772837 | 6211673  | 46 Botany Rd                  | Howick            | N/A                                         | L1           | 86                        | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13771608 | 6234686  | 13 Rito Pl                    | Papatoetoe        | N/A                                         | L1           | 128                       | Fat            | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772311 | 6219986  | 3 Bruce Pl                    | Papatoetoe        | -                                           | L2           | 677                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/09/2017 | 13773834 | 6211319  | 19 Driscoll Pl                | Farm Cove         | N/A                                         | L1           | 102                       | Fat            | 8.21     | No                       | No                 | Yes         |
| 26/09/2017 | 13774420 | 9227521  | 36 Lunn Ave                   | Mt Wellington     | N/A                                         | L1           | 512                       | Unknown        | 8.21     | No                       | No                 | Yes         |
| 27/09/2017 | 13776789 | 6218844  | 4/150 East Tamaki Rd          | Otara             | N/A                                         | L1           | 115                       | Rubbish        | 0.48     | No                       | No                 | Yes         |
| 27/09/2017 | 13777439 | 6210585  | 20 Cranberry Pl               | Highland Park     | N/A                                         | L1           | 151                       | Roots          | 0.48     | No                       | No                 | Yes         |
| 27/09/2017 | 13777770 | 6218638  | D/14 Arwen Pl                 | East Tamaki       | N/A                                         | L1           | 136                       | Fat            | 0.48     | No                       | No                 | Yes         |
| 28/09/2017 | 13778698 | 6218530  | 40 Neales Rd                  | East Tamaki       | N/A                                         | L1           | 479                       | Unknown        | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13779096 | 6223340  | 5 Gordon Rd                   | Papatoetoe        | N/A                                         | L1           | 542                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13778470 | 50155920 | 1 Castlebane Dr               | Flat Bush         | N/A                                         | L1           | 91                        | Fat            | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13779414 | 9008014  | 5 Carmont Pl                  | Mt Wellington     | N/A                                         | L1           | 49                        | Fat            | 0        | No                       | No                 | Yes         |
| 28/09/2017 | 13780042 | 9008714  | 393 Ellerslie-Panmure Highway | Mt Wellington     | N/A                                         | L1           | 144                       | Unknown        | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13781143 | 9227521  | 36 Lunn Ave                   | Mt Wellington     | N/A                                         | L1           | 357                       | Unknown        | 0.48     | No                       | No                 | Yes         |
| 29/09/2017 | 13782194 | 6215251  | 10 Nevada Ave                 | Pakuranga Heights | N/A                                         | L1           | 65                        | Unknown        | 0.48     | No                       | No                 | Yes         |
| 29/09/2017 | 13781868 | 9008591  | 3-5 Carbine Rd                | Mt Wellington     | N/A                                         | L1           | 80                        | Roots          | 0.48     | No                       | No                 | Yes         |
| 29/09/2017 | 13782021 | 6275986  | 3/88 East Tamaki Rd           | Papatoetoe        | N/A                                         | L1           | 623                       | Roots          | 0.48     | No                       | No                 | Yes         |
| 1/10/2017  | 13783875 | 6488926  | 2/35 Voltaire Crt             | Botany Downs      | N/A                                         | L1           | 77                        | Fat            | 16.9     | No                       | No                 | Yes         |
| 1/10/2017  | 13783957 | 6234307  | 53 Diorella Dr                | Clover Park       | N/A                                         | L1           | 86                        | Fat            | 16.9     | No                       | No                 | Yes         |
| 1/10/2017  | 13783686 | 6498253  | 2 Glastry Cl                  | East Tamaki       | N/A                                         | L1           | 187                       | Roots          | 16.9     | No                       | No                 | Yes         |
| 3/10/2017  | 13787662 | 6219561  | 50 Clayton Ave                | Otara             | N/A                                         | L1           | 420                       | Unknown        | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13792423 | 8996841  | 5 Frank Grey Pl               | Otahuhu           | N/A                                         | L1           | 111                       | Rags           | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13795347 | 8997809  | 323 Panama Rd                 | Mt Wellington     | N/A                                         | L1           | 151                       | Unknown        | 6.28     | No                       | No                 | Yes         |
| 6/10/2017  | 13794593 | 8997971  | 172E Panama Rd                | Mt Wellington     | N/A                                         | L1           | 82                        | Foreign Object | 6.28     | No                       | No                 | Yes         |
| 7/10/2017  | 13796097 | 9009304  | 3 Mcdonald Cres               | Mt Wellington     | N/A                                         | L1           | 148                       | Fat            | 6.76     | No                       | No                 | Yes         |
| 9/10/2017  | 13798158 | 8826346  | 42 Albert St                  | Otahuhu           | N/A                                         | L1           | 618                       | Roots          | 0.97     | No                       | No                 | Yes         |
| 11/10/2017 | 13802764 | 6488926  | 2/35 Voltaire Crt             | Botany Downs      | N/A                                         | L1           | 71                        | Fat            | 4.35     | No                       | No                 | Yes         |
| 11/10/2017 | 13803074 | 6223340  | 5 Gordon Rd                   | Papatoetoe        | N/A                                         | L1           | 385                       | Fat            | 4.35     | No                       | No                 | Yes         |

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|------------|----------|---------|---------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 12/10/2017 | 13805384 | 6488926 | 2/35 Voltaire Crt   | Botany Downs      | N/A                                         | L1           | 35                        | Fat            | 0        | No                       | No                 | Yes         |
| 12/10/2017 | 13806711 | 9004981 | 6/2 Hillside Rd     | Mt Wellington     | N/A                                         | L1           | 136                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 12/10/2017 | 13806786 | 6508453 | 60 Thornbury Cres   | East Tamaki       | N/A                                         | L1           | 123                       | Unknown        | 0        | No                       | No                 | Yes         |
| 13/10/2017 | 13809096 | 6219237 | 18 Bentley Rd       | Otara             | N/A                                         | L1           | 83                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 15/10/2017 | 13810243 | 6211673 | 46 Botany Rd        | Howick            | N/A                                         | L1           | 96                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812028 | 7023796 | 14 Nogat Ave        | Papatoetoe        | N/A                                         | L1           | 548                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812878 | 8996841 | 3A Frank Grey Pl    | Otahuhu           | N/A                                         | L1           | 188                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812368 | 7031539 | 24 Nogat Ave        | Papatoetoe        | N/A                                         | L1           | 87                        | Fat            | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13816677 | 6221648 | 71 Hamill Rd        | Otara             | N/A                                         | L1           | 541                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816252 | 6216043 | 188 Pakuranga Rd    | Pakuranga         | N/A                                         | L1           | 284                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816471 | 6214780 | 13 Nevada Ave       | Pakuranga Heights | N/A                                         | L1           | 526                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13817511 | 6464784 | 38 Stellamaris Way  | Northpark         | N/A                                         | L1           | 113                       | Roots          | 2.5      | No                       | No                 | Yes         |
| 21/10/2017 | 13822918 | 6221648 | 71 Hamill Rd        | Otara             | N/A                                         | L1           | 221                       | Unknown        | 0        | No                       | No                 | Yes         |
| 21/10/2017 | 13823024 | 6216043 | 188 Pakuranga Rd    | Pakuranga         | N/A                                         | L1           | 511                       | Unknown        | 0        | No                       | No                 | Yes         |
| 23/10/2017 | 13824261 | 6224264 | 2/22 Swaffield Rd   | Papatoetoe        | N/A                                         | L1           | 142                       | Unknown        | 11       | No                       | No                 | Yes         |
| 24/10/2017 | 13827195 | 7037224 | 88 Highbrook Dr     | East Tamaki       | N/A                                         | L1           | 157                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13827605 | 7077013 | 46 Botany Rd        | Howick            | N/A                                         | L1           | 73                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13827392 | 6222595 | 44 Raglan St        | Mangere East      | N/A                                         | L1           | 115                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13826955 | 6219235 | 477 Great South Rd  | Papatoetoe        | N/A                                         | L1           | 128                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13826439 | 6276573 | 10 Carlie St        | Papatoetoe        | N/A                                         | L1           | 605                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13826251 | 6220853 | 1 Wilmshurst Ave    | Papatoetoe        | N/A                                         | L1           | 613                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13826455 | 8997631 | 205- Great South Rd | Otahuhu           | N/A                                         | L1           | 556                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/10/2017 | 13827463 | 6208894 | 5A Andrew Rd        | Howick            | N/A                                         | L1           | 88                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 26/10/2017 | 13831216 | 6221384 | 70 Franklyne Rd     | Otara             | N/A                                         | L1           | 163                       | Fat            | 2        | No                       | No                 | Yes         |
| 26/10/2017 | 13832958 | 6234686 | 13 Rito Pl          | Papatoetoe        | N/A                                         | L1           | 119                       | Fat            | 2        | No                       | No                 | Yes         |
| 26/10/2017 | 13832939 | 6221027 | 14 Dryden Ave       | Papatoetoe        | N/A                                         | L1           | 274                       | Rubbish        | 2        | No                       | No                 | Yes         |
| 26/10/2017 | 13831869 | 6034534 | Bairds Rd           | Otara             | N/A                                         | L1           | 3                         | Rubbish        | 2        | No                       | No                 | Yes         |
| 27/10/2017 | 13834808 | 7106640 | 88 Highbrook Dr     | East Tamaki       | -                                           | L2           | 174                       | Unknown        | 5        | No                       | No                 | Yes         |

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|------------|----------|---------|------------------------|---------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 27/10/2017 | 13834385 | 9210829 | 160 Waipuna Rd-E       | Panmure       | -                                           | L3           | 528                       | Fat              | 5        | Yes                      | Yes                | Yes         |
| 28/10/2017 | 13835616 | 6217453 | 19 Robin Brooke Dr     | Flat Bush     | N/A                                         | L1           | 144                       | Foreign Object   | 4        | No                       | No                 | Yes         |
| 29/10/2017 | 13836100 | 6982902 | 14 Dryden Ave          | Papatoetoe    | N/A                                         | L1           | 177                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 30/10/2017 | 13837725 | 6216612 | 83 Kilkenny Dr         | Howick        | N/A                                         | L1           | 92                        | Roots            | 1        | No                       | No                 | Yes         |
| 30/10/2017 | 13837116 | 8996841 | 3A Frank Grey Pl       | Otahuhu       | N/A                                         | L1           | 174                       | Rubbish          | 1        | No                       | No                 | Yes         |
| 30/10/2017 | 13838731 | 6220815 | 163 East Tamaki Rd     | Otara         | N/A                                         | L1           | 147                       | Fat              | 1        | No                       | No                 | Yes         |
| 30/10/2017 | 13839011 | 6221648 | 71 Hamill Rd           | Otara         | N/A                                         | L1           | 60                        | Unknown          | 1        | No                       | No                 | Yes         |
| 30/10/2017 | 13837207 | 6219562 | 52 Clayton Ave         | Otara         | N/A                                         | L1           | 40                        | Roots            | 1        | No                       | No                 | Yes         |
| 30/10/2017 | 13839045 | 6508450 | 55 Middlefield Dr      | East Tamaki   | N/A                                         | L1           | 113                       | Fat              | 1        | No                       | No                 | Yes         |
| 2/11/2017  | 13846162 | 6217125 | 28 Burnaston Crt       | Howick        | N/A                                         | L1           | 136                       | Roots            | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13847793 | 8997900 | 396 Panama Rd          | Mt Wellington | N/A                                         | L1           | 186                       | Unknown          | 0        | No                       | No                 | Yes         |
| 2/11/2017  | 13847469 | 6209144 | 61 Gosford Dr          | Botany Downs  | N/A                                         | L1           | 447                       | Fat              | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13850193 | 8997900 | 396 Panama Rd          | Mt Wellington | N/A                                         | L1           | 436                       | Rags             | 0.5      | No                       | No                 | Yes         |
| 3/11/2017  | 13849816 | 8997914 | 106 Hillside Rd        | Mt Wellington | N/A                                         | L1           | 132                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 5/11/2017  | 13851592 | 6221021 | 135 Rangitoto Rd       | Papatoetoe    | N/A                                         | L1           | 124                       | Roots            | 0        | No                       | No                 | Yes         |
| 6/11/2017  | 13852859 | 6207274 | 18 Billabong Pl        | Botany Downs  | N/A                                         | L1           | 511                       | Roots            | 0        | No                       | No                 | Yes         |
| 6/11/2017  | 13854395 | 8997900 | 396 Panama Rd          | Mt Wellington | N/A                                         | L1           | 120                       | Fat              | 0        | No                       | No                 | Yes         |
| 6/11/2017  | 13853383 | 6494913 | 19 Sean Fitzpatrick Pl | Papatoetoe    | N/A                                         | L1           | 265                       | Unknown          | 0        | No                       | No                 | Yes         |
| 7/11/2017  | 13855784 | 6221914 | 5 Larsen St            | Otara         | N/A                                         | L1           | 556                       | Roots            | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13859123 | 8997691 | 13 Middlemore Rd       | Otahuhu       | N/A                                         | L1           | 261                       | Fat              | 13       | No                       | No                 | Yes         |
| 8/11/2017  | 13859297 | 6982902 | 14 Dryden Ave          | Papatoetoe    | N/A                                         | L1           | 157                       | Fat              | 13       | No                       | No                 | Yes         |
| 8/11/2017  | 13858519 | 6221019 | 135 Rangitoto Rd       | Papatoetoe    | N/A                                         | L1           | 491                       | Fat              | 13       | No                       | No                 | Yes         |
| 8/11/2017  | 13859457 | 6494914 | 19 Sean Fitzpatrick Pl | Papatoetoe    | N/A                                         | L1           | 133                       | Fat              | 13       | No                       | No                 | Yes         |
| 10/11/2017 | 13861956 | 6487131 | 263 East Tamaki Rd     | Otara         | N/A                                         | L1           | 422                       | Unknown          | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862233 | 6714194 | Harris Rd              | East Tamaki   | N/A                                         | L1           | 80                        | Fat              | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863251 | 8996841 | 3A Frank Grey Pl       | Otahuhu       | N/A                                         | L1           | 425                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863509 | 6211330 | 29 Whiteacres Dr       | Sunnyhills    | N/A                                         | L1           | 59                        | Unknown          | 0        | No                       | No                 | Yes         |
| 12/11/2017 | 13864013 | 6213888 | 15 Tangelo Pl          | Highland Park | N/A                                         | L1           | 260                       | Unknown          | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 13/11/2017 | 13865700 | 6221336  | 22 Pearl Baker Dr               | Otara             | N/A                                         | L1           | 396                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 13/11/2017 | 13864808 | 6216006  | 188 Pakuranga Rd                | Pakuranga         | N/A                                         | L1           | 58                        | Unknown          | 1.5      | No                       | No                 | Yes         |
| 13/11/2017 | 13865621 | 6216577  | 53 Huntington Dr                | East Tamaki       | N/A                                         | L1           | 558                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 14/11/2017 | 13868933 | 6218497  | 40 Neales Rd                    | East Tamaki       | N/A                                         | L1           | 166                       | Roots            | 5        | No                       | No                 | Yes         |
| 16/11/2017 | 13874741 | 9276892  | 34 Church St                    | Otahuhu           | N/A                                         | L1           | 118                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 17/11/2017 | 13876581 | 6221383  | 70 Franklyne Rd                 | Otara             | N/A                                         | L1           | 607                       | Fat              | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885197 | 6210219  | 5 Lyren Pl                      | Highland Park     | N/A                                         | L1           | 75                        | Unknown          | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13886431 | 8996629  | 307 Panama Rd                   | Mt Wellington     | N/A                                         | L1           | 552                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13891063 | 9009697  | 1/294 Ellerslie-Panmure Highway | Mt Wellington     | N/A                                         | L1           | 45                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13889497 | 7092727  | 4 Lucca Cres                    | Flat Bush         | N/A                                         | L1           | 543                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13890672 | 6222325  | 1/4 Dreifuss Pl                 | Mangere East      | N/A                                         | L1           | 68                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13893568 | 6222468  | 53A Hain Ave                    | Mangere East      | N/A                                         | L1           | 90                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13891490 | 50058300 | 44 Helianthus Ave               | Flat Bush         | N/A                                         | L1           | 112                       | Fat              | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896697 | 6217200  | 28 Burnaston Crt                | Howick            | N/A                                         | L1           | 69                        | Roots            | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13894998 | 9276892  | 34 Church St                    | Otahuhu           | N/A                                         | L1           | 81                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896526 | 6219322  | 31 Lappington Rd                | Otara             | N/A                                         | L1           | 304                       | Fat              | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896562 | 6220427  | 24 Oakland Ave                  | Papatoetoe        | N/A                                         | L1           | 131                       | Roots            | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13896436 | 6464925  | 109/2 Armoy Dr                  | East Tamaki       | N/A                                         | L1           | 85                        | Roots            | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897402 | 6215088  | 4 Wheatley Ave                  | Pakuranga         | N/A                                         | L1           | 204                       | Fat              | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897491 | 6217157  | 8 Burnaston Crt                 | Howick            | N/A                                         | L1           | 69                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900614 | 9009667  | 16D Eaglehurst Rd               | Ellerslie         | N/A                                         | L1           | 118                       | Unknown          | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13901976 | 6219232  | 31 Awatere St                   | Otara             | N/A                                         | L1           | 109                       | Fat              | 0        | No                       | No                 | Yes         |
| 27/11/2017 | 13900660 | 6217519  | 234 Kilkeny Dr                  | Howick            | N/A                                         | L1           | 480                       | Unknown          | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13905203 | 6234213  | 28 Windoma Cir                  | Papatoetoe        | N/A                                         | L1           | 107                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13908443 | 6206889  | 24 Aberfeldy Ave                | Highland Park     | N/A                                         | L1           | 76                        | Unknown          | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13908488 | 6209854  | 14 Glassonby Rd                 | Northpark         | N/A                                         | L1           | 84                        | Roots            | 0        | No                       | No                 | Yes         |
| 30/11/2017 | 13911780 | 6210176  | 11 Glennandrew Dr               | Half Moon Bay     | N/A                                         | L1           | 88                        | Unknown          | 1        | No                       | No                 | Yes         |
| 30/11/2017 | 13910733 | 6214258  | 92 Gossamer Dr                  | Pakuranga Heights | N/A                                         | L1           | 50                        | Broken Pipe      | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address           | Suburb            | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-------------------|-------------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 1/12/2017  | 13912074 | 6210222 | 35 Darren Cres    | Highland Park     | N/A                                         | L1           | 148                       | Fat     | 0        | No                       | No                 | Yes         |
| 1/12/2017  | 13912434 | 8997303 | 4 Fairburn Rd     | Otahuhu           | N/A                                         | L1           | 121                       | Unknown | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915188 | 8997495 | 12 Sturges Ave    | Otahuhu           | N/A                                         | L1           | 124                       | Unknown | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915284 | 6218982 | 19 Rongomai Rd    | Otara             | N/A                                         | L1           | 89                        | Unknown | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915467 | 6210210 | 27 Darren Cres    | Highland Park     | N/A                                         | L1           | 325                       | Unknown | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915308 | 6216168 | 2/12 Reeves Rd    | Pakuranga Heights | N/A                                         | L1           | 94                        | Roots   | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915558 | 8997268 | 54A Fairburn Rd   | Otahuhu           | N/A                                         | L1           | 169                       | Fat     | 0        | No                       | No                 | Yes         |
| 4/12/2017  | 13918582 | 6218792 | 27 Edward Ave     | Otara             | N/A                                         | L1           | 59                        | Fat     | 5        | No                       | No                 | Yes         |
| 5/12/2017  | 13923057 | 6234233 | 2/71 Boundary Rd  | Otara             | N/A                                         | L1           | 125                       | Fat     | 0        | No                       | No                 | Yes         |
| 6/12/2017  | 13924091 | 9008848 | 5 Motu Pl         | Mt Wellington     | N/A                                         | L1           | 89                        | Fat     | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13933975 | 6214849 | 18 Elizabeth St   | Pakuranga Heights | N/A                                         | L1           | 100                       | Fat     | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13939694 | 6219384 | 1/27 Edward Ave   | Otara             | N/A                                         | L1           | 196                       | Unknown | 1.5      | No                       | No                 | Yes         |
| 12/12/2017 | 13937827 | 6213720 | 4 Eaglen Pl       | Howick            | N/A                                         | L1           | 59                        | Unknown | 1.5      | No                       | No                 | Yes         |
| 12/12/2017 | 13939032 | 6216532 | 380 Ti Rakau Dr   | East Tamaki       | N/A                                         | L1           | 114                       | Fat     | 1.5      | No                       | No                 | Yes         |
| 12/12/2017 | 13938654 | 6218054 | 3 Birmingham Rd   | Otara             | 1                                           | L2           | 35                        | Unknown | 1.5      | No                       | No                 | Yes         |
| 12/12/2017 | 13940086 | 6476052 | 4 Point View Link | Howick            | N/A                                         | L1           | 48                        | Fat     | 1.5      | No                       | No                 | Yes         |
| 13/12/2017 | 13940719 | 6220380 | 226S Bairds Rd    | Otara             | N/A                                         | L1           | 151                       | Fat     | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13945203 | 6211528 | 34 Hope Farm Ave  | Pakuranga Heights | N/A                                         | L1           | 119                       | Unknown | 3.5      | No                       | No                 | Yes         |
| 17/12/2017 | 13950356 | 6221273 | 7 Fisher Cres     | Otara             | N/A                                         | L1           | 79                        | Fat     | 0        | No                       | No                 | Yes         |
| 18/12/2017 | 13952989 | 6214778 | 55 Udys Rd        | Pakuranga Heights | N/A                                         | L1           | 97                        | Rubbish | 0.5      | No                       | No                 | Yes         |
| 19/12/2017 | 13955428 | 6209216 | 46 Ennis Ave      | Pakuranga Heights | N/A                                         | L1           | 415                       | Unknown | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13954341 | 6211242 | 23 Hutchinsons Rd | Highland Park     | N/A                                         | L1           | 190                       | Roots   | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13956907 | 9010218 | 51 Mataroa Rd     | Mt Wellington     | N/A                                         | L1           | 85                        | Fat     | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13959580 | 6228508 | 31 Dissmeyer Dr   | Flat Bush         | N/A                                         | L1           | 117                       | Fat     | 0.5      | No                       | No                 | Yes         |
| 20/12/2017 | 13959876 | 6217742 | 22 Naul Pl        | Howick            | N/A                                         | L1           | 145                       | Rubbish | 0.5      | No                       | No                 | Yes         |
| 21/12/2017 | 13962904 | 6215731 | 30 Marriott Rd    | Pakuranga Heights | N/A                                         | L1           | 95                        | Rubbish | 0        | No                       | No                 | Yes         |
| 23/12/2017 | 13966413 | 6214840 | 24 Elizabeth St   | Pakuranga Heights | N/A                                         | L1           | 84                        | Roots   | 0        | No                       | No                 | Yes         |
| 23/12/2017 | 13966476 | 6219986 | 5 Bruce Pl        | Papatoetoe        | N/A                                         | L1           | 101                       | Unknown | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|---------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 27/12/2017 | 13968856 | 6211886 | 23A Cantora Ave     | Northpark         | N/A                                         | L1           | 85                        | Fat            | 2        | No                       | No                 | Yes         |
| 28/12/2017 | 13971706 | 6029068 | 1/26 Pandora Pl     | Pakuranga         | N/A                                         | L1           | 106                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 28/12/2017 | 13971673 | 6218943 | 21 Huia Rd          | Papatoetoe        | N/A                                         | L1           | 174                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 29/12/2017 | 13972692 | 6464613 | 2 Armoy Dr          | East Tamaki       | N/A                                         | L1           | 57                        | Unknown        | 0        | No                       | No                 | Yes         |
| 29/12/2017 | 13973448 | 6023257 | 3 Lisa Rise         | Highland Park     | N/A                                         | L1           | 71                        | Fat            | 0        | No                       | No                 | Yes         |
| 30/12/2017 | 13974461 | 6033110 | 52 Cornwall Rd      | Papatoetoe        | N/A                                         | L1           | 95                        | Fat            | 0        | No                       | No                 | Yes         |
| 31/12/2017 | 13974967 | 6031993 | 1/52 Otara Rd       | Otara             | N/A                                         | L1           | 58                        | Fat            | 0        | No                       | No                 | Yes         |
| 1/01/2018  | 13975232 | 6492080 | 3 Shrle Pl          | East Tamaki       | N/A                                         | L1           | 594                       | Fat            | 5        | No                       | No                 | Yes         |
| 2/01/2018  | 13976117 | 7028682 | 110A Buckland Rd    | Mangere East      | N/A                                         | L1           | 204                       | Fat            | 0        | No                       | No                 | Yes         |
| 2/01/2018  | 13975827 | 6023150 | 18 Minaret Dr       | Highland Park     | N/A                                         | L1           | 648                       | Roots          | 0        | No                       | No                 | Yes         |
| 2/01/2018  | 13975914 | 8815236 | 14 Hillside Rd      | Mt Wellington     | N/A                                         | L1           | 351                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 2/01/2018  | 13975994 | 7038670 | 75 Michael Jones Dr | Flat Bush         | N/A                                         | L1           | 53                        | Fat            | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977223 | 6268671 | 1 Jade Ave          | Pakuranga Heights | N/A                                         | L1           | 92                        | Roots          | 2        | No                       | No                 | Yes         |
| 4/01/2018  | 13980315 | 6492080 | 3 Shrle Pl          | East Tamaki       | N/A                                         | L1           | 643                       | Fat            | 47.5     | No                       | No                 | Yes         |
| 4/01/2018  | 13980988 | 6220061 | 73 Preston Rd       | Otara             | N/A                                         | L1           | 84                        | Fat            | 47.5     | No                       | No                 | Yes         |
| 9/01/2018  | 13990199 | 6214980 | 5 Riverhills Ave    | Pakuranga Heights | N/A                                         | L1           | 76                        | Unknown        | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13993337 | 6220786 | 4/16 Regent St      | Papatoetoe        | N/A                                         | L1           | 153                       | Fat            | 0        | No                       | No                 | Yes         |
| 11/01/2018 | 13996784 | 9004184 | 28 Watene Rd        | Panmure           | N/A                                         | L1           | 143                       | Fat            | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000251 | 6217595 | 3 Mohill Pl         | Howick            | N/A                                         | L1           | 46                        | Roots          | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000424 | 6480960 | 14 Kaseng Pl        | East Tamaki       | N/A                                         | L1           | 94                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14002146 | 6215133 | 6 Riverina Ave      | Pakuranga         | N/A                                         | L1           | 167                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14004687 | 6219967 | 19 Rapson Rd        | Otara             | N/A                                         | L1           | 51                        | Unknown        | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14005391 | 6221540 | 64 Fisher Cres      | Otara             | N/A                                         | L1           | 90                        | Fat            | 0        | No                       | No                 | Yes         |
| 17/01/2018 | 14009209 | 6033499 | 32 Flat Bush Rd     | Otara             | N/A                                         | L1           | 69                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 17/01/2018 | 14006476 | 8997490 | 19 Sturges Ave      | Otahuhu           | N/A                                         | L1           | 144                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 17/01/2018 | 14006905 | 6215274 | 33 Pandora Pl       | Pakuranga         | N/A                                         | L1           | 73                        | Roots          | 0.5      | No                       | No                 | Yes         |
| 17/01/2018 | 14008268 | 6210742 | 25 Lewisham St      | Highland Park     | N/A                                         | L1           | 147                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 17/01/2018 | 14009070 | 6202926 | 38 Clydesdale Ave   | Northpark         | N/A                                         | L1           | 116                       | Unknown        | 0.5      | No                       | No                 | Yes         |



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|------------|----------|---------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 18/01/2018 | 14012465 | 6216612 | 83 Kilkenny Dr       | Howick        | N/A                                         | L1           | 59                        | Fat            | 34       | No                       | No                 | Yes         |
| 18/01/2018 | 14012520 | 6220823 | 6 Waimate St         | Otara         | N/A                                         | L1           | 235                       | Unknown        | 34       | No                       | No                 | Yes         |
| 18/01/2018 | 14012220 | 6503022 | 27 Brooke Ridge Rise | Howick        | N/A                                         | L1           | 65                        | Roots          | 34       | No                       | No                 | Yes         |
| 19/01/2018 | 14013371 | 6213679 | 6 Wood Ave           | Howick        | N/A                                         | L1           | 181                       | Roots          | 14       | No                       | No                 | Yes         |
| 19/01/2018 | 14014543 | 6216203 | 23 Meadway           | Sunnyhills    | N/A                                         | L1           | 321                       | Unknown        | 14       | No                       | No                 | Yes         |
| 19/01/2018 | 14015302 | 6223469 | 8 Spring St          | Papatoetoe    | N/A                                         | L1           | 116                       | Fat            | 14       | No                       | No                 | Yes         |
| 20/01/2018 | 14016371 | 6033499 | 32 Flat Bush Rd      | Otara         | N/A                                         | L1           | 69                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14019936 | 6032978 | 31 Kudu Rd           | Otara         | N/A                                         | L1           | 60                        | Unknown        | 15.5     | No                       | No                 | Yes         |
| 22/01/2018 | 14018537 | 6224264 | 3/24 Swaffield Rd    | Papatoetoe    | N/A                                         | L1           | 94                        | Unknown        | 15.5     | No                       | No                 | Yes         |
| 23/01/2018 | 14022514 | 6034025 | 71 Hamill Rd         | Otara         | N/A                                         | L1           | 476                       | Surcharging    | 6.5      | No                       | No                 | Yes         |
| 23/01/2018 | 14022650 | 6033928 | 40 Tyrone St         | Otara         | N/A                                         | L1           | 391                       | Surcharging    | 6.5      | No                       | No                 | Yes         |
| 23/01/2018 | 14022596 | 6033499 | 32 Flat Bush Rd      | Otara         | N/A                                         | L1           | 494                       | Surcharging    | 6.5      | No                       | No                 | Yes         |
| 24/01/2018 | 14023690 | 6033631 | 17 Clutha Cres       | Otara         | N/A                                         | L1           | 338                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028075 | 6032599 | 15 Huia Rd           | Papatoetoe    | N/A                                         | L1           | 89                        | Fat            | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028678 | 6024180 | 24 Whiteacres Dr     | Sunnyhills    | N/A                                         | L1           | 49                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 27/01/2018 | 14031664 | 6234599 | 7 Grantham Rd        | Papatoetoe    | N/A                                         | L1           | 77                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038935 | 6222468 | 53 Hain Ave          | Mangere East  | -                                           | L2           | 277                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14037189 | 6221579 | 22 Capstick Rd       | Otara         | N/A                                         | L1           | 165                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038313 | 7079262 | Hain Ave             | Mangere East  | N/A                                         | L1           | 464                       | Fat            | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038958 | 6219991 | 13 Waimate St        | Otara         | N/A                                         | L1           | 102                       | Unknown        | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14040021 | 6211320 | 2/19 Driscoll Pl     | Farm Cove     | N/A                                         | L1           | 197                       | Fat            | 28       | No                       | No                 | Yes         |
| 1/02/2018  | 14042742 | 6218982 | 19 Rongomai Rd       | Otara         | N/A                                         | L1           | 110                       | Surcharging    | 28       | No                       | No                 | Yes         |
| 2/02/2018  | 14044988 | 6220055 | 17 Clutha Cres       | Otara         | N/A                                         | L1           | 92                        | Surcharging    | 0.5      | No                       | No                 | Yes         |
| 2/02/2018  | 14044967 | 6218982 | 17 Rongomai Rd       | Otara         | N/A                                         | L1           | 106                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 2/02/2018  | 14044102 | 6209074 | 6 Photinia Pl        | Botany Downs  | N/A                                         | L1           | 577                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14046533 | 6234304 | 88 Sikkim Cres       | Clover Park   | N/A                                         | L1           | 494                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14046441 | 6465731 | 12 Aaronville Way    | East Tamaki   | N/A                                         | L1           | 83                        | Fat            | 2.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14046694 | 6210228 | 47 Cherry Rd         | Highland Park | N/A                                         | L1           | 105                       | Roots          | 2.5      | No                       | No                 | Yes         |

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|------------|----------|---------|--------------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 5/02/2018  | 14049057 | 8997600 | Atkinson Ave             | Otahuhu           | N/A                                         | L1           | 151                       | Rags             | 2.5      | No                       | No                 | Yes         |
| 7/02/2018  | 14053568 | 6215033 | 31 Riverhills Ave        | Pakuranga Heights | N/A                                         | L1           | 199                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 7/02/2018  | 14053676 | 7038694 | 5 Triumph Rd             | Flat Bush         | N/A                                         | L1           | 80                        | Rubbish          | 2.5      | No                       | No                 | Yes         |
| 8/02/2018  | 14054451 | 6211331 | 13 Ballater Pl           | Highland Park     | N/A                                         | L1           | 154                       | Rags             | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14054883 | 6208385 | 1/366 Bucklands Beach Rd | Bucklands Beach   | N/A                                         | L1           | 127                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/02/2018  | 14057468 | 6220026 | 47 Kolmar Rd             | Papatoetoe        | N/A                                         | L1           | 147                       | Rubbish          | 16.5     | No                       | No                 | Yes         |
| 10/02/2018 | 14060147 | 6219620 | 45 Omana Rd              | Papatoetoe        | N/A                                         | L1           | 538                       | Unknown          | 19       | No                       | No                 | Yes         |
| 10/02/2018 | 14060348 | 6234696 | 16 Sandrine Ave          | Clover Park       | N/A                                         | L1           | 190                       | Unknown          | 19       | No                       | No                 | Yes         |
| 11/02/2018 | 14061003 | 6220055 | 23 Clutha Cres           | Otara             | N/A                                         | L1           | 342                       | Surcharging      | 42.5     | No                       | No                 | Yes         |
| 12/02/2018 | 14062766 | 6224796 | 27 Hallberry Rd          | Mangere East      | N/A                                         | L1           | 89                        | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 13/02/2018 | 14066355 | 6218394 | 17 Lorien Pl             | East Tamaki       | N/A                                         | L1           | 531                       | 3rd party damage | 24.5     | No                       | No                 | Yes         |
| 13/02/2018 | 14067861 | 6234322 | 1/60 Diorella Dr         | Clover Park       | N/A                                         | L1           | 397                       | Fat              | 24.5     | No                       | No                 | Yes         |
| 14/02/2018 | 14068622 | 6234183 | 11 Rimini Pl             | Otara             | N/A                                         | L1           | 144                       | Surcharging      | 3.5      | No                       | No                 | Yes         |
| 14/02/2018 | 14069115 | 9010202 | 47 Mataroa Rd            | Mt Wellington     | N/A                                         | L1           | 158                       | Unknown          | 3.5      | No                       | No                 | Yes         |
| 15/02/2018 | 14071490 | 6219986 | 3 Bruce Pl               | Papatoetoe        | N/A                                         | L1           | 148                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 16/02/2018 | 14074407 | 9010191 | 418 Panama Rd            | Mt Wellington     | N/A                                         | L1           | 590                       | Unknown          | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14074151 | 6219986 | 3 Bruce Pl               | Papatoetoe        | N/A                                         | L1           | 121                       | Unknown          | 0        | No                       | No                 | Yes         |
| 16/02/2018 | 14074292 | 6465698 | 7 Lansell Dr             | Howick            | N/A                                         | L1           | 97                        | Fat              | 0        | No                       | No                 | Yes         |
| 18/02/2018 | 14077644 | 6223255 | 60 Hallberry Rd          | Mangere East      | N/A                                         | L1           | 269                       | Fat              | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14078330 | 6028130 | 27 Luton Ave             | Sunnyhills        | N/A                                         | L1           | 81                        | Fat              | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14082916 | 6216043 | 188 Pakuranga Rd         | Pakuranga         | N/A                                         | L1           | 610                       | Unknown          | 2.5      | No                       | No                 | Yes         |
| 21/02/2018 | 14086645 | 8997710 | 3 Golf Ave               | Otahuhu           | N/A                                         | L1           | 127                       | Unknown          | 3.5      | No                       | No                 | Yes         |
| 22/02/2018 | 14088232 | 6220517 | 217 Great South Rd       | Papatoetoe        | N/A                                         | L1           | 135                       | Unknown          | 3        | No                       | No                 | Yes         |
| 22/02/2018 | 14088589 | 6215439 | 10 Aylesbury St          | Pakuranga         | N/A                                         | L1           | 551                       | Fat              | 3        | No                       | No                 | Yes         |
| 23/02/2018 | 14090568 | 8997358 | Hutton St                | Otahuhu           | N/A                                         | L1           | 105                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 23/02/2018 | 14090709 | 8997835 | 47 Mataroa Rd            | Mt Wellington     | N/A                                         | L1           | 188                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 23/02/2018 | 14091801 | 6031587 | D/14 Arwen Pl            | East Tamaki       | N/A                                         | L1           | 165                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 24/02/2018 | 14093299 | 6034329 | 1/16 Fisher Cres         | Otara             | N/A                                         | L1           | 129                       | Fat              | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb            | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|-------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 25/02/2018 | 14094557 | 8814957  | 35 Ngaio St          | Otahuhu           | N/A                                         | L1           | 520                       | Unknown     | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094760 | 6026135  | 11 Cantora Ave       | Northpark         | N/A                                         | L1           | 129                       | Fat         | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14099295 | 50286399 | 35 Ngaio St          | Otahuhu           | N/A                                         | L1           | 85                        | Unknown     | 4        | No                       | No                 | Yes         |
| 1/03/2018  | 14106816 | 6710663  | 203 Shirley Rd       | Papatoetoe        | N/A                                         | L1           | 73                        | Roots       | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110178 | 6213988  | 4 Whiteacres Dr      | Sunnyhills        | N/A                                         | L1           | 65                        | Fat         | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111075 | 6219986  | 5 Bruce Pl           | Papatoetoe        | N/A                                         | L1           | 132                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111219 | 6220641  | 1/107 East Tamaki Rd | Papatoetoe        | N/A                                         | L1           | 273                       | Fat         | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111490 | 6209445  | 64 Megan Ave         | Pakuranga Heights | N/A                                         | L1           | 47                        | Fat         | 0        | No                       | No                 | Yes         |
| 4/03/2018  | 14111491 | 6216133  | 10 Tiraumea Dr       | Pakuranga         | N/A                                         | L1           | 110                       | Fat         | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14114510 | 6216132  | 12 Tiraumea Dr       | Pakuranga         | N/A                                         | L1           | 173                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14117939 | 8997710  | 3 Golf Ave           | Otahuhu           | N/A                                         | L1           | 238                       | Broken pipe | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14118097 | 6216133  | 10 Tiraumea Dr       | Pakuranga         | N/A                                         | L1           | 87                        | Unknown     | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14120176 | 6210956  | 200 Burswood Dr      | East Tamaki       | N/A                                         | L1           | 106                       | Roots       | 9        | No                       | No                 | Yes         |
| 7/03/2018  | 14121910 | 6224253  | 37 Swaffield Rd      | Papatoetoe        | N/A                                         | L1           | 148                       | Fat         | 9        | No                       | No                 | Yes         |
| 8/03/2018  | 14123310 | 8997245  | 55 High St           | Otahuhu           | N/A                                         | L1           | 486                       | Fat         | 2        | No                       | No                 | Yes         |
| 8/03/2018  | 14126145 | 8996647  | 242 Princes St-E     | Otahuhu           | N/A                                         | L1           | 201                       | Silts       | 2        | No                       | No                 | Yes         |
| 9/03/2018  | 14127407 | 8997245  | 55 High St           | Otahuhu           | N/A                                         | L1           | 53                        | Unknown     | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14128954 | 6221579  | 22 Capstick Rd       | Otara             | N/A                                         | L1           | 72                        | Unknown     | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14130034 | 6234685  | 28 Windoma Cir       | Papatoetoe        | N/A                                         | L1           | 454                       | Fat         | 0        | No                       | No                 | Yes         |
| 11/03/2018 | 14130775 | 6219652  | 2 Cooper Cres        | Otara             | N/A                                         | L1           | 128                       | Unknown     | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14131997 | 6235984  | 45 Allenby Rd        | Papatoetoe        | N/A                                         | L1           | 88                        | Fat         | 20       | No                       | No                 | Yes         |
| 13/03/2018 | 14135572 | 6203876  | 32 Woodgers Way      | Howick            | N/A                                         | L1           | 64                        | Fat         | 3        | No                       | No                 | Yes         |
| 13/03/2018 | 14137347 | 6219421  | 40 Ashton Ave        | Otara             | N/A                                         | L1           | 102                       | Fat         | 3        | No                       | No                 | Yes         |
| 14/03/2018 | 14137904 | 6218992  | 1/36 Hoteo Ave       | Papatoetoe        | N/A                                         | L1           | 95                        | Fat         | 4.5      | No                       | No                 | Yes         |
| 14/03/2018 | 14139835 | 9008761  | 3 Kentucky St        | Ellerslie         | N/A                                         | L1           | 108                       | Unknown     | 4.5      | No                       | No                 | Yes         |
| 15/03/2018 | 14143480 | 6222386  | 5B Earlsworth Rd     | Mangere East      | N/A                                         | L1           | 93                        | Fat         | 0        | No                       | No                 | Yes         |
| 16/03/2018 | 14146320 | 6223979  | 12 Thompson St       | Mangere East      | N/A                                         | L1           | 148                       | Fat         | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146740 | 9004184  | 28A Watene Rd        | Panmure           | N/A                                         | L1           | 165                       | Roots       | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 19/03/2018 | 14150597 | 6221767  | 3 Bond St           | Otara             | N/A                                         | L1           | 104                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/03/2018 | 14152309 | 6221913  | 21 Larsen St        | Otara             | N/A                                         | L1           | 74                        | Fat            | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14155934 | 9009242  | 4/48 Ferndale Rd    | Mt Wellington     | N/A                                         | L1           | 486                       | Fat            | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14157622 | 6215031  | 15 Miramar Pl       | Pakuranga Heights | N/A                                         | L1           | 266                       | Unknown        | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14157744 | 6214340  | 1/1 Chevis Pl       | Pakuranga Heights | N/A                                         | L1           | 207                       | Fat            | 0        | No                       | No                 | Yes         |
| 21/03/2018 | 14157954 | 8824404  | 14 Tomuri Pl        | Mt Wellington     | N/A                                         | L1           | 230                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14158574 | 6218992  | 2/36 Hoteo Ave      | Papatoetoe        | N/A                                         | L1           | 70                        | Roots          | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14159784 | 6029086  | 111R Gossamer Dr    | Pakuranga Heights | N/A                                         | L1           | 573                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/03/2018 | 14163091 | 6235990  | 18 Buckingham Cres  | Papatoetoe        | N/A                                         | L1           | 612                       | Unknown        | 7.5      | No                       | No                 | Yes         |
| 25/03/2018 | 14165538 | 6219985  | 3 Bruce Pl          | Papatoetoe        | N/A                                         | L1           | 173                       | Unknown        | 4        | No                       | No                 | Yes         |
| 25/03/2018 | 14165767 | 6034052  | 10 Williams Cres    | Otara             | N/A                                         | L1           | 74                        | Fat            | 4        | No                       | No                 | Yes         |
| 27/03/2018 | 14169426 | 6273127  | 2 Mark Carter Pl    | Flat Bush         | N/A                                         | L1           | 126                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14176017 | 6222885  | 58 Rosella Rd       | Mangere East      | N/A                                         | L1           | 119                       | Unknown        | 0        | No                       | No                 | Yes         |
| 29/03/2018 | 14177185 | 6216491  | 68 Harris Rd        | East Tamaki       | N/A                                         | L1           | 391                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/03/2018 | 14178116 | 50002206 | 14 Bolton Pl        | Otara             | N/A                                         | L1           | 493                       | Roots          | 3.5      | No                       | No                 | Yes         |
| 30/03/2018 | 14178305 | 8825004  | 29 Hamlin Rd        | Mt Wellington     | N/A                                         | L1           | 63                        | Unknown        | 3.5      | No                       | No                 | Yes         |
| 1/04/2018  | 14179411 | 8825004  | 29 Hamlin Rd        | Mt Wellington     | N/A                                         | L1           | 273                       | Unknown        | 0        | No                       | No                 | Yes         |
| 2/04/2018  | 14180464 | 6216201  | 18 Meadway          | Sunnyhills        | N/A                                         | L1           | 82                        | Fat            | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182174 | 10317532 | 5B Earlsworth Rd    | Mangere East      | N/A                                         | L1           | 96                        | Fat            | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182671 | 8825179  | 247B Penrose Rd     | Mt Wellington     | N/A                                         | L1           | 432                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 5/04/2018  | 14187841 | 6206861  | 29 Whiteacres Dr    | Sunnyhills        | N/A                                         | L1           | 96                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 8/04/2018  | 14194664 | 6215258  | 32 Lewis Rd         | Pakuranga Heights | N/A                                         | L1           | 70                        | Unknown        | 0        | No                       | No                 | Yes         |
| 8/04/2018  | 14194676 | 6218786  | 1 Lansdown Ave      | Papatoetoe        | N/A                                         | L1           | 102                       | Fat            | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14196496 | 6975300  | 731A Great South Rd | Papatoetoe        | N/A                                         | L1           | 491                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 10/04/2018 | 14199209 | 6957412  | 2 Tornish Dr        | Flat Bush         | N/A                                         | L1           | 115                       | Fat            | 27       | No                       | No                 | Yes         |
| 10/04/2018 | 14201273 | 6219338  | 1/10 Lappington Rd  | Otara             | N/A                                         | L1           | 78                        | Roots          | 27       | No                       | No                 | Yes         |
| 10/04/2018 | 14201276 | 6220546  | 139 Bairds Rd       | Otara             | N/A                                         | L1           | 178                       | Fat            | 27       | No                       | No                 | Yes         |
| 11/04/2018 | 14204349 | 6215465  | 9 Alton Tce         | Pakuranga Heights | N/A                                         | L1           | 84                        | Fat            | 5.5      | No                       | No                 | Yes         |

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|------------|----------|---------|----------------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 12/04/2018 | 14204700 | 6215258 | 32 Lewis Rd                | Pakuranga Heights | N/A                                         | L1           | 470                       | Broken pipe    | 3        | No                       | No                 | Yes         |
| 12/04/2018 | 14206234 | 6216903 | 90 Greenmount Dr           | East Tamaki       | N/A                                         | L1           | 621                       | Rubbish        | 3        | No                       | No                 | Yes         |
| 12/04/2018 | 14206708 | 6207735 | 12 Midvale Pl              | East Tamaki       | N/A                                         | L1           | 207                       | Unknown        | 3        | No                       | No                 | Yes         |
| 13/04/2018 | 14209599 | 6991786 | 8 Lisa-Marie Crt           | Flat Bush         | N/A                                         | L1           | 621                       | Roots          | 8        | No                       | No                 | Yes         |
| 14/04/2018 | 14211354 | 8822245 | 165 Avenue Rd-E            | Otahuhu           | N/A                                         | L1           | 176                       | Surcharging    | 84       | No                       | No                 | Yes         |
| 14/04/2018 | 14211413 | 8824272 | 1/9 Carrs Pl               | Ellerslie         | N/A                                         | L1           | 612                       | Surcharging    | 84       | No                       | No                 | Yes         |
| 14/04/2018 | 14211485 | 6220641 | 1/107 East Tamaki Rd       | Papatoetoe        | N/A                                         | L1           | 497                       | Surcharging    | 84       | No                       | No                 | Yes         |
| 14/04/2018 | 14211550 | 6988350 | 15A Edgewater Dr           | Pakuranga         | N/A                                         | L1           | 628                       | Fat            | 84       | No                       | No                 | Yes         |
| 15/04/2018 | 14212486 | 6202829 | 18 Covina Pl               | Howick            | N/A                                         | L1           | 218                       | Surcharging    | 5        | No                       | No                 | Yes         |
| 16/04/2018 | 14214581 | 6213181 | 2 Annalong Rd              | Northpark         | N/A                                         | L1           | 599                       | Fat            | 3        | No                       | No                 | Yes         |
| 16/04/2018 | 14214647 | 6219730 | 58 Woolfield Rd            | Papatoetoe        | N/A                                         | L1           | 484                       | Fat            | 3        | No                       | No                 | Yes         |
| 16/04/2018 | 14214956 | 6220464 | 12 Gaye Cres               | Otara             | N/A                                         | L1           | 572                       | Unknown        | 3        | No                       | No                 | Yes         |
| 16/04/2018 | 14215644 | 6221805 | 40 Bairds Rd               | Otara             | N/A                                         | L1           | 221                       | Unknown        | 3        | No                       | No                 | Yes         |
| 17/04/2018 | 14217594 | 6215242 | 30 Beechdale Cres          | Pakuranga Heights | N/A                                         | L1           | 91                        | Surcharging    | 1        | No                       | No                 | Yes         |
| 17/04/2018 | 14217928 | 6216166 | 31 Reeves Rd               | Pakuranga Heights | N/A                                         | L1           | 130                       | Fat            | 1        | No                       | No                 | Yes         |
| 17/04/2018 | 14218279 | 8815075 | 18 Water St                | Otahuhu           | N/A                                         | L1           | 608                       | Surcharging    | 1        | No                       | No                 | Yes         |
| 17/04/2018 | 14218281 | 6216635 | 116A Harris Rd             | East Tamaki       | N/A                                         | L1           | 241                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 17/04/2018 | 14219464 | 9008627 | 267B Mt Wellington Highway | Mt Wellington     | N/A                                         | L1           | 167                       | Unknown        | 1        | No                       | No                 | Yes         |
| 18/04/2018 | 14222469 | 6026982 | 4 San Luis Pl              | Howick            | N/A                                         | L1           | 53                        | Roots          | 2.5      | No                       | No                 | Yes         |
| 18/04/2018 | 14222739 | 8824955 | 13C Hamlin Rd              | Mt Wellington     | N/A                                         | L1           | 213                       | Rags           | 2.5      | No                       | No                 | Yes         |
| 19/04/2018 | 14224394 | 9008627 | 267B Mt Wellington Highway | Mt Wellington     | N/A                                         | L1           | 62                        | Unknown        | 0        | No                       | No                 | Yes         |
| 21/04/2018 | 14229171 | 6028598 | 50 Lame Ave                | Pakuranga Heights | N/A                                         | L1           | 511                       | Fat            | 2        | No                       | No                 | Yes         |
| 22/04/2018 | 14230636 | 6214775 | 23 Millen Ave              | Pakuranga         | N/A                                         | L1           | 232                       | Fat            | 1        | No                       | No                 | Yes         |
| 22/04/2018 | 14230759 | 6947702 | 13 Skye Rd                 | Howick            | N/A                                         | L1           | 94                        | Fat            | 1        | No                       | No                 | Yes         |
| 25/04/2018 | 14237978 | 6213273 | 12 Ennis Ave               | Pakuranga Heights | N/A                                         | L1           | 619                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 25/04/2018 | 14238069 | 6234164 | 2/14 Israel Ave            | Otara             | N/A                                         | L1           | 455                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 26/04/2018 | 14240482 | 6213779 | 1/272 Ti Rakau Dr          | East Tamaki       | N/A                                         | L1           | 185                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14240602 | 6234166 | 2/14 Israel Ave            | Otara             | N/A                                         | L1           | 358                       | Rubbish        | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|-------------------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 27/04/2018 | 14242527 | 9008965 | 5A Ruawai Rd                  | Mt Wellington     | N/A                                         | L1           | 546                       | Unknown          | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14243954 | 6273688 | C/5 Lorient Pl                | East Tamaki       | N/A                                         | L1           | 93                        | Unknown          | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14244608 | 6239052 | 2/14 Israel Ave               | Otara             | N/A                                         | L1           | 153                       | Rubbish          | 15       | No                       | No                 | Yes         |
| 29/04/2018 | 14246305 | 6210741 | 52 Kurnell Dr                 | Botany Downs      | N/A                                         | L1           | 554                       | Fat              | 3.5      | No                       | No                 | Yes         |
| 30/04/2018 | 14247360 | 9009304 | 1/6 McDonald Cres             | Mt Wellington     | N/A                                         | L1           | 393                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 30/04/2018 | 14247800 | 9008711 | 8 Thompson Park Rd            | Mt Wellington     | N/A                                         | L1           | 269                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 30/04/2018 | 14249380 | 6221336 | 22 Pearl Baker Dr             | Otara             | N/A                                         | L1           | 56                        | Rubbish          | 1.5      | No                       | No                 | Yes         |
| 2/05/2018  | 14256233 | 9008734 | 23 Lynton Rd                  | Mt Wellington     | N/A                                         | L1           | 361                       | Unknown          | 0        | No                       | No                 | Yes         |
| 3/05/2018  | 14258173 | 6215121 | 2/200 Ti Rakau Dr             | Pakuranga         | N/A                                         | L1           | 629                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 3/05/2018  | 14258313 | 9050954 | R S1-3/70 Atkinson Ave        | Otahuhu           | N/A                                         | L1           | 364                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 4/05/2018  | 14261749 | 6714193 | 1/24 Harris Rd                | East Tamaki       | N/A                                         | L1           | 150                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 5/05/2018  | 14262447 | 6214257 | 7 Cindy Pl                    | Pakuranga Heights | N/A                                         | L1           | 192                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 8/05/2018  | 14268166 | 6239388 | 23 Allens Rd                  | East Tamaki       | N/A                                         | L1           | 66                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 9/05/2018  | 14271421 | 6214810 | 69 Ulys Rd                    | Pakuranga Heights | N/A                                         | L1           | 425                       | Fat              | 1        | No                       | No                 | Yes         |
| 9/05/2018  | 14273446 | 9008461 | 419 Ellerslie-Panmure Highway | Mt Wellington     | N/A                                         | L1           | 170                       | Fat              | 1        | No                       | No                 | Yes         |
| 9/05/2018  | 14273669 | 6215712 | 13 Nevada Ave                 | Pakuranga Heights | N/A                                         | L1           | 402                       | Unknown          | 1        | No                       | No                 | Yes         |
| 11/05/2018 | 14277560 | 6221485 | 2 Doughty Pl                  | Otara             | N/A                                         | L1           | 206                       | Roots            | 3.5      | No                       | No                 | Yes         |
| 13/05/2018 | 14281696 | 8997801 | 230A Panama Rd                | Mt Wellington     | N/A                                         | L1           | 310                       | Unknown          | 29       | No                       | No                 | Yes         |
| 13/05/2018 | 14281729 | 6219433 | 18 Ashton Ave                 | Otara             | N/A                                         | L1           | 147                       | Fat              | 29       | No                       | No                 | Yes         |
| 13/05/2018 | 14281745 | 6209049 | 42 Kurnell Dr                 | Botany Downs      | N/A                                         | L1           | 218                       | Fat              | 29       | No                       | No                 | Yes         |
| 14/05/2018 | 14283364 | 6215249 | 37 Nevada Ave                 | Pakuranga Heights | N/A                                         | L1           | 489                       | Unknown          | 2        | No                       | No                 | Yes         |
| 14/05/2018 | 14285096 | 6253792 | 10 Gardenia Grv               | Half Moon Bay     | N/A                                         | L1           | 97                        | Fat              | 2        | No                       | No                 | Yes         |
| 14/05/2018 | 14285147 | 9008132 | 6B Pacific Rise               | Mt Wellington     | N/A                                         | L1           | 159                       | Roots            | 2        | No                       | No                 | Yes         |
| 16/05/2018 | 14289974 | 6223259 | 14 Nogat Ave                  | Papatoetoe        | N/A                                         | L1           | 86                        | Fat              | 4        | No                       | No                 | Yes         |
| 16/05/2018 | 14289989 | 6219396 | 2/3 Edward Ave                | Otara             | N/A                                         | L1           | 576                       | Fat              | 4        | No                       | No                 | Yes         |
| 16/05/2018 | 14291987 | 8997801 | 230A Panama Rd                | Mt Wellington     | N/A                                         | L1           | 640                       | Unknown          | 4        | No                       | No                 | Yes         |
| 17/05/2018 | 14293374 | 6219403 | 26 Laureston Ave              | Papatoetoe        | N/A                                         | L1           | 75                        | Fat              | 2.5      | No                       | No                 | Yes         |
| 17/05/2018 | 14295147 | 6221675 | 10 Williams Cres              | Otara             | N/A                                         | L1           | 152                       | Rubbish          | 2.5      | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|-------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/05/2018 | 14303867 | 6219483  | 185 East Tamaki Rd  | Otara             | N/A                                         | L1           | 124                       | Roots            | 21       | No                       | No                 | Yes         |
| 22/05/2018 | 14307393 | 6224484  | 88 Swaffield Rd     | Papatoetoe        | N/A                                         | L1           | 190                       | Roots            | 2        | No                       | No                 | Yes         |
| 23/05/2018 | 14309402 | 6280448  | 40 Bairds Rd        | Otara             | N/A                                         | L1           | 104                       | Surcharging      | 25.5     | No                       | No                 | Yes         |
| 24/05/2018 | 14313222 | 6215269  | 16 Cardiff Rd       | Pakuranga Heights | N/A                                         | L1           | 12                        | Unknown          | 7        | No                       | No                 | Yes         |
| 24/05/2018 | 14313841 | 8997379  | 8-12 Avenue Rd      | Otahuhu           | N/A                                         | L1           | 126                       | Unknown          | 7        | No                       | No                 | Yes         |
| 25/05/2018 | 14315391 | 6221472  | 34 Hamill Rd        | Otara             | N/A                                         | L1           | 107                       | Fat              | 10       | No                       | No                 | Yes         |
| 26/05/2018 | 14317568 | 6239219  | 2/95 Te Irirangi Dr | Clover Park       | N/A                                         | L1           | 418                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14318059 | 6235497  | 9 Ulay Pl           | Clover Park       | 6                                           | L2           | 95                        | Fat              | 0.5      | No                       | No                 | Yes         |
| 27/05/2018 | 14318611 | 50056527 | 59 Kerrykeel Dr     | Flat Bush         | -                                           | L2           | 94                        | Fat              | 8        | No                       | No                 | Yes         |
| 27/05/2018 | 14319027 | 6220401  | 15 Cambourne Rd     | Papatoetoe        | N/A                                         | L1           | 97                        | Fat              | 8        | No                       | No                 | Yes         |
| 28/05/2018 | 14320209 | 7079262  | 53 Hain Ave         | Mangere East      | N/A                                         | L1           | 124                       | Fat              | 1        | No                       | No                 | Yes         |
| 28/05/2018 | 14320843 | 7021086  | 1 Meadowland Dr     | Howick            | N/A                                         | L1           | 557                       | Roots            | 1        | No                       | No                 | Yes         |
| 28/05/2018 | 14322071 | 6217600  | 9 Moyrus Cres       | Howick            | N/A                                         | L1           | 128                       | Fat              | 1        | No                       | No                 | Yes         |
| 30/05/2018 | 14326066 | 6221117  | 331 Bairds Rd       | Otara             | N/A                                         | L1           | 127                       | Fat              | 0        | No                       | No                 | Yes         |
| 30/05/2018 | 14326584 | 6217898  | 1 Eroni Clarke Cl   | Flat Bush         | N/A                                         | L1           | 71                        | Fat              | 0        | No                       | No                 | Yes         |
| 30/05/2018 | 14326647 | 6217921  | 19 Serai Pl         | Otara             | N/A                                         | L1           | 520                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 31/05/2018 | 14329785 | 6223351  | 5/193 Gray Ave      | Papatoetoe        | N/A                                         | L1           | 570                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 31/05/2018 | 14330381 | 8824028  | 26 Longford St      | Mt Wellington     | N/A                                         | L1           | 126                       | Unknown          | 0        | No                       | No                 | Yes         |
| 1/06/2018  | 14332845 | 7098993  | 12 Wymondley Rd     | Otara             | N/A                                         | L1           | 24                        | Unknown          | 0.5      | No                       | No                 | Yes         |
| 3/06/2018  | 14335081 | 6207009  | 36 Cascades Rd      | Pakuranga Heights | N/A                                         | L1           | 418                       | Roots            | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335121 | 6210197  | 10 Udall Pl         | Bucklands Beach   | -                                           | L2           | 359                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335180 | 6210816  | 1/11 Millhouse Dr   | Northpark         | N/A                                         | L1           | 575                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335195 | 6219232  | 23 Clutha Cres      | Otara             | N/A                                         | L1           | 121                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335209 | 6221589  | 1/38 Capstick Rd    | Otara             | N/A                                         | L1           | 429                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335228 | 6219730  | 58 Woolfield Rd     | Papatoetoe        | N/A                                         | L1           | 570                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335230 | 8997309  | 18 Water St         | Otahuhu           | N/A                                         | L1           | 26                        | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335232 | 6214180  | 5 Nevada Ave        | Pakuranga Heights | -                                           | L2           | 144                       | Fat              | 67.5     | No                       | No                 | Yes         |
| 3/06/2018  | 14335233 | 8996714  | 165 Avenue Rd-E     | Otahuhu           | N/A                                         | L1           | 31                        | Surcharging      | 67.5     | No                       | No                 | Yes         |

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| Date      | SR #     | Compkey  | Address             | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|-----------|----------|----------|---------------------|-----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 3/06/2018 | 14335246 | 6231428  | 127 Boundary Rd     | Otara           | -                                           | L2           | 557                       | Fat              | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335262 | 6215133  | 4 Riverina Ave      | Pakuranga       | N/A                                         | L1           | 465                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335282 | 6209532  | 58 Kilimanjaro Dr   | Northpark       | N/A                                         | L1           | 60                        | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335290 | 6202863  | 41R Meadowland Dr   | Howick          | N/A                                         | L1           | 587                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335312 | 6209223  | 18 Billabong Pl     | Botany Downs    | N/A                                         | L1           | 111                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335315 | 6219923  | 9 Cornwall Rd       | Papatoetoe      | -                                           | L2           | 435                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335335 | 6220830  | 12 Lloyd Ave        | Papatoetoe      | N/A                                         | L1           | 393                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335357 | 6020499  | 18 Covina Pl        | Howick          | N/A                                         | L1           | 407                       | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335364 | 9008677  | 2/12 Longford St    | Mt Wellington   | N/A                                         | L1           | 296                       | Fat              | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335378 | 6215266  | 3 Bolina Cres       | Pakuranga       | N/A                                         | L1           | 383                       | Fat              | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335399 | 50194609 | 121 Preston Rd      | Otara           | N/A                                         | L1           | 55                        | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 3/06/2018 | 14335447 | 6211333  | 16 Highland Park Dr | Highland Park   | N/A                                         | L1           | 48                        | Surcharging      | 67.5     | No                       | No                 | Yes         |
| 4/06/2018 | 14335660 | 6207535  | 32 Matterhorn Cres  | Northpark       | N/A                                         | L1           | 89                        | Surcharging      | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14335781 | 6224310  | 192 Portage Rd      | Papatoetoe      | N/A                                         | L1           | 73                        | Rubbish          | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14335853 | 6263607  | 19R Dalwhinnie Pde  | Highland Park   | N/A                                         | L1           | 668                       | Surcharging      | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14335859 | 6219039  | 8A Butler Ave       | Papatoetoe      | N/A                                         | L1           | 215                       | Fat              | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14335872 | 6206832  | 2/36 Ballater Pl    | Highland Park   | N/A                                         | L1           | 74                        | Surcharging      | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14335965 | 6213679  | 6 Wood Ave          | Howick          | N/A                                         | L1           | 33                        | Surcharging      | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14336093 | 6285694  | 19 Swaffield Rd     | Papatoetoe      | N/A                                         | L1           | 192                       | 3rd party damage | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14336095 | 6206506  | 19 Udall Pl         | Bucklands Beach | N/A                                         | L1           | 250                       | Surcharging      | 31       | No                       | No                 | Yes         |
| 4/06/2018 | 14336171 | 6215211  | 142A Tiraumea Dr    | Pakuranga       | N/A                                         | L1           | 56                        | Surcharging      | 31       | No                       | No                 | Yes         |
| 5/06/2018 | 14336929 | 1591100  | 24 Whiteacres Dr    | Sunnyhills      | N/A                                         | L1           | 265                       | Fat              | 4        | No                       | No                 | Yes         |
| 5/06/2018 | 14337775 | 6510665  | 19 Laureston Ave    | Papatoetoe      | N/A                                         | L1           | 153                       | Surcharging      | 4        | No                       | No                 | Yes         |
| 5/06/2018 | 14338474 | 6972455  | 2 Reinheimer Pl     | East Tamaki     | N/A                                         | L1           | 357                       | Fat              | 4        | No                       | No                 | Yes         |
| 5/06/2018 | 14339265 | 6214633  | 3 The Boulevard     | Sunnyhills      | N/A                                         | L1           | 86                        | Surcharging      | 4        | No                       | No                 | Yes         |
| 7/06/2018 | 14346374 | 6239052  | 31 Awatere St       | Otara           | N/A                                         | L1           | 138                       | Fat              | 1        | No                       | No                 | Yes         |
| 8/06/2018 | 14348909 | 6216526  | 154 Harris Rd       | East Tamaki     | N/A                                         | L1           | 128                       | Fat              | 0        | No                       | No                 | Yes         |
| 9/06/2018 | 14349700 | 6218731  | 731A Great South Rd | Papatoetoe      | N/A                                         | L1           | 462                       | Fat              | 0        | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey | Address                         | Suburb            | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------------------|-------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 11/06/2018 | 14351758 | 6208186 | 37 Murvale Dr                   | Bucklands Beach   | N/A                                         | L1           | 148                       | Roots          | 21.5     | No                       | No                 | Yes         |
| 11/06/2018 | 14352680 | 6209560 | 20 Amberwood Dr                 | Northpark         | N/A                                         | L1           | 156                       | Surcharging    | 21.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14355045 | 6208566 | 23R Mandarin Pl                 | Highland Park     | -                                           | L2           | 364                       | Surcharging    | 38.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14355731 | 6221267 | 27 Cobham Cres                  | Otara             | N/A                                         | L1           | 375                       | Surcharging    | 38.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356442 | 6221805 | 40 Bairds Rd                    | Otara             | N/A                                         | L1           | 363                       | Surcharging    | 38.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356789 | 6220830 | 538B Great South Rd             | Papatoetoe        | N/A                                         | L1           | 76                        | Surcharging    | 38.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356824 | 6219057 | 12 Ingram Cres                  | Otara             | N/A                                         | L1           | 139                       | Surcharging    | 38.5     | No                       | No                 | Yes         |
| 13/06/2018 | 14359903 | 6219923 | 9 Cornwall Rd                   | Papatoetoe        | N/A                                         | L1           | 463                       | Surcharging    | 2.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14361910 | 6204655 | 1/21 Westview Crt               | Howick            | N/A                                         | L1           | 95                        | Surcharging    | 1        | No                       | No                 | Yes         |
| 15/06/2018 | 14363680 | 6221095 | 119 Preston Rd                  | Otara             | N/A                                         | L1           | 214                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 15/06/2018 | 14365884 | 6218401 | 80 Kerwyn Ave                   | East Tamaki       | N/A                                         | L1           | 130                       | Fat            | 3.5      | No                       | No                 | Yes         |
| 16/06/2018 | 14366463 | 6218398 | 17 Lorien Pl                    | East Tamaki       | N/A                                         | L1           | 128                       | Fat            | 7.5      | No                       | No                 | Yes         |
| 17/06/2018 | 14367288 | 6209699 | 23 Bob Charles Dr               | Howick            | N/A                                         | L1           | 129                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 18/06/2018 | 14369343 | 6219434 | 9 Halcyon Pl                    | Papatoetoe        | N/A                                         | L1           | 18                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 18/06/2018 | 14370273 | 8997876 | 349 Panama Rd                   | Mt Wellington     | N/A                                         | L2           | 51                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14372810 | 6239323 | 1 Pembroke St                   | Papatoetoe        | N/A                                         | L1           | 585                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 19/06/2018 | 14373538 | 6275037 | 128 Bairds Rd                   | Otara             | N/A                                         | L1           | 374                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 20/06/2018 | 14375053 | 7085136 | 18 Lilford Pl                   | Half Moon Bay     | N/A                                         | L1           | 274                       | Fat            | 4.5      | No                       | No                 | Yes         |
| 20/06/2018 | 14376295 | 6219844 | 143 Preston Rd                  | Otara             | N/A                                         | L1           | 244                       | Rubbish        | 4.5      | No                       | No                 | Yes         |
| 21/06/2018 | 14378198 | 1569984 | 5 Fleur Ave                     | Pakuranga Heights | N/A                                         | L1           | 104                       | Roots          | 0        | No                       | No                 | Yes         |
| 21/06/2018 | 14378980 | 8997836 | 329A Panama Rd                  | Mt Wellington     | N/A                                         | L1           | 616                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 22/06/2018 | 14382057 | 9009390 | 1/294 Ellerslie-Panmure Highway | Mt Wellington     | N/A                                         | L1           | 102                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14383903 | 6208990 | 7 Edgar Pearce Pl               | Howick            | N/A                                         | L1           | 337                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/06/2018 | 14384612 | 6221619 | 25 Sandra Ave                   | Otara             | N/A                                         | L1           | 122                       | Baby Wipes     | 0        | No                       | No                 | Yes         |
| 24/06/2018 | 14385013 | 6214674 | 102 Glenmore Rd                 | Sunnyhills        | N/A                                         | L1           | 96                        | Unknown        | 4        | No                       | No                 | Yes         |
| 24/06/2018 | 14385082 | 6285876 | 23 Beryl Pl                     | Mangere East      | N/A                                         | L1           | 454                       | Unknown        | 4        | No                       | No                 | Yes         |
| 25/06/2018 | 14387807 | 1573872 | 12 Ingram Cres                  | Otara             | N/A                                         | L1           | 42                        | Surcharging    | 27.5     | No                       | No                 | Yes         |
| 26/06/2018 | 14391184 | 1565297 | 62E Wellington St               | Howick            | N/A                                         | L1           | 478                       | Fat            | 14       | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 26/06/2018 | 14391504 | 6220098 | 83 Gilbert Rd      | Otara         | N/A                                         | L1           | 203                       | Foreign Object | 14       | No                       | No                 | Yes         |
| 27/06/2018 | 14393349 | 6211239 | 70 Wellington St   | Howick        | N/A                                         | L1           | 113                       | Surcharging    | 0.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14393953 | 1591757 | 187 Great South Rd | Papatoetoe    | N/A                                         | L1           | 107                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14394672 | 1591115 | 3 Wood Ave         | Howick        | N/A                                         | L1           | 105                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 27/06/2018 | 14395306 | 1574787 | 70 Franklyne Rd    | Otara         | N/A                                         | L1           | 16                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 28/06/2018 | 14398129 | 6219483 | 185 East Tamaki Rd | Otara         | N/A                                         | L1           | 294                       | Fat            | 6.5      | No                       | No                 | Yes         |
| 28/06/2018 | 14398296 | 6263643 | 39 Aberfeldy Ave   | Highland Park | N/A                                         | L1           | 86                        | Fat            | 6.5      | No                       | No                 | Yes         |
| 29/06/2018 | 14399270 | 1596613 | 5 Howith St        | Flat Bush     | N/A                                         | L1           | 82                        | Roots          | 1.5      | No                       | No                 | Yes         |
| 29/06/2018 | 14401372 | 9008161 | 23 Lynton Rd       | Mt Wellington | N/A                                         | L1           | 100                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 30/06/2018 | 14401520 | 6221553 | 3/2 Wyona Pl       | Otara         | N/A                                         | L1           | 48                        | Unknown        | 0        | No                       | No                 | Yes         |

**Table 27: Overflows in the Cockle Bay Catchment Area**

| Date       | SR #     | Compkey | Address                  | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 5/07/2017  | 13620344 | 1563325 | 2/192 Bucklands Beach Rd | Bucklands Beach | N/A                                         | L1           | 70                        | Unknown        | 10.13    | No                       | No                 | Yes         |
| 19/07/2017 | 13644765 | 6205716 | 164 Clovelly Rd          | Bucklands Beach | N/A                                         | L1           | 180                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 19/07/2017 | 13646840 | 6205541 | 1/1A The Esplanade       | Eastern Beach   | N/A                                         | L1           | 149                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 24/07/2017 | 13654621 | 6202726 | 79 Alexander St          | Cockle Bay      | N/A                                         | L1           | 173                       | Fat            | 2.5      | No                       | No                 | Yes         |
| 30/07/2017 | 13665933 | 6202714 | 23 John Gill Rd          | Shelly Park     | N/A                                         | L1           | 90                        | Unknown        | 0        | No                       | No                 | Yes         |
| 10/08/2017 | 13687560 | 6204029 | 1 Holbrook Pl            | Howick          | N/A                                         | L1           | 4                         | Fat            | 0.49     | No                       | No                 | Yes         |
| 18/08/2017 | 13702325 | 6210114 | 195 Bleakhouse Rd        | Mellons Bay     | N/A                                         | L1           | 144                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/08/2017 | 13703824 | 6207789 | 1 Macleans Rd            | Bucklands Beach | N/A                                         | L1           | 425                       | Foreign Object | 4.94     | No                       | No                 | Yes         |
| 21/08/2017 | 13706621 | 6204619 | 41 Advane Rd             | Cockle Bay      | N/A                                         | L1           | 132                       | Roots          | 1.48     | No                       | No                 | Yes         |
| 28/08/2017 | 13717698 | 6203074 | 41 Seymour Rd            | Mellons Bay     | N/A                                         | L1           | 124                       | Foreign Object | 11.11    | No                       | No                 | Yes         |
| 11/09/2017 | 13744299 | 6203074 | 41 Seymour Rd            | Mellons Bay     | N/A                                         | L1           | 651                       | Unknown        | 3.86     | No                       | No                 | Yes         |
| 14/09/2017 | 13752512 | 6204499 | 1/5B Sale St             | Howick          | N/A                                         | L1           | 99                        | Roots          | 0.48     | No                       | No                 | Yes         |
| 24/09/2017 | 13770310 | 6205231 | 155 Mellons Bay Rd       | Mellons Bay     | N/A                                         | L1           | 114                       | Unknown        | 0        | No                       | No                 | Yes         |
| 2/10/2017  | 13786313 | 6204591 | 82 Advane Rd             | Cockle Bay      | N/A                                         | L1           | 108                       | Roots          | 8.21     | No                       | No                 | Yes         |
| 10/10/2017 | 13800366 | 6204445 | 1/139 Litten Rd          | Cockle Bay      | N/A                                         | L1           | 84                        | Roots          | 0.48     | No                       | No                 | Yes         |
| 12/10/2017 | 13806051 | 6020390 | 6 Sunnyview Ave          | Shelly Park     | N/A                                         | L1           | 532                       | Roots          | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13816259 | 6203383 | 33A Cockle Bay Rd        | Cockle Bay      | N/A                                         | L1           | 105                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 19/10/2017 | 13819153 | 6203432 | 28 Montgomery Cres       | Cockle Bay      | N/A                                         | L1           | 493                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 20/10/2017 | 13821289 | 6204583 | 6 Avoca Rd               | Cockle Bay      | N/A                                         | L1           | 75                        | Unknown        | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13829843 | 6204196 | 1/41 Pah Rd              | Cockle Bay      | N/A                                         | L1           | 156                       | Roots          | 0        | No                       | No                 | Yes         |
| 19/11/2017 | 13880213 | 6204498 | 64 Evelyn Rd             | Cockle Bay      | N/A                                         | L1           | 112                       | Unknown        | 7.5      | No                       | No                 | Yes         |
| 27/11/2017 | 13899743 | 6715183 | 47R Shelly Beach Pde     | Cockle Bay      | N/A                                         | L1           | 81                        | Unknown        | 0        | No                       | No                 | Yes         |
| 8/12/2017  | 13931640 | 6210134 | 25 Maugham Dr            | Bucklands Beach | N/A                                         | L1           | 122                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13993231 | 6203372 | 44 Sale St               | Howick          | N/A                                         | L1           | 98                        | Roots          | 0        | No                       | No                 | Yes         |
| 13/01/2018 | 14000195 | 6203367 | 1/44 Sale St             | Howick          | N/A                                         | L1           | 114                       | Unknown        | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                 | Suburb      | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-------------------------|-------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 16/01/2018 | 14004694 | 6203846 | 1/3 Pohutukawa Ave      | Shelly Park | N/A                                         | L1           | 157                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/01/2018 | 14019099 | 7078257 | 24 Masefield St         | Howick      | N/A                                         | L1           | 328                       | Broken pipe    | 15.5     | No                       | No                 | Yes         |
| 25/01/2018 | 14027497 | 6021905 | 1/41 Charles Dickens Dr | Mellons Bay | N/A                                         | L1           | 245                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028386 | 6202759 | 64 John Gill Rd         | Shelly Park | N/A                                         | L1           | 95                        | Roots          | 0        | No                       | No                 | Yes         |
| 23/02/2018 | 14091810 | 6210114 | 18 Burford Pl           | Mellons Bay | N/A                                         | L1           | 147                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 25/02/2018 | 14094413 | 7033061 | 106 Uxbridge Rd         | Howick      | -                                           | L3           | 277                       | Rubbish        | 0        | Yes                      | Yes                | Yes         |
| 16/03/2018 | 14145306 | 6208370 | 10 Castleton Dr         | Mellons Bay | N/A                                         | L1           | 583                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14146749 | 6202810 | 4 Trident Pl            | Shelly Park | N/A                                         | L1           | 517                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14147016 | 6204029 | 1 Holbrook Pl           | Howick      | N/A                                         | L1           | 107                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 18/03/2018 | 14147413 | 6203793 | 1/14 Trident Pl         | Shelly Park | N/A                                         | L1           | 75                        | Roots          | 1        | No                       | No                 | Yes         |
| 21/03/2018 | 14157606 | 6203793 | 1/14 Trident Pl         | Shelly Park | N/A                                         | L1           | 120                       | Fat            | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14159645 | 6022265 | 17 Colmar Rd            | Mellons Bay | N/A                                         | L1           | 478                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/04/2018  | 14189050 | 6211052 | 27 Colmar Rd            | Mellons Bay | N/A                                         | L1           | 557                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 3/06/2018  | 14335261 | 6020046 | 43A Advane Rd           | Cockle Bay  | N/A                                         | L1           | 61                        | Surcharging    | 67.5     | No                       | No                 | Yes         |
| 4/06/2018  | 14335910 | 6202698 | 20 John Gill Rd         | Shelly Park | N/A                                         | L1           | 82                        | Surcharging    | 31       | No                       | No                 | Yes         |
| 5/06/2018  | 14338461 | 6208387 | 18 Towbridge Pl         | Mellons Bay | N/A                                         | L1           | 500                       | Roots          | 4        | No                       | No                 | Yes         |
| 9/06/2018  | 14349916 | 6206259 | 18 Burford Pl           | Mellons Bay | N/A                                         | L1           | 120                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 14/06/2018 | 14362465 | 6203621 | 43A Advane Rd           | Cockle Bay  | N/A                                         | L1           | 121                       | Surcharging    | 1        | No                       | No                 | Yes         |
| 22/06/2018 | 14381685 | 6204002 | 18 Sunnyview Ave        | Shelly Park | N/A                                         | L1           | 123                       | Roots          | 0.5      | No                       | No                 | Yes         |

**Table 28: Overflows in the Puhinui Catchment Area**

| Date       | SR #     | Compkey | Address            | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612365 | 1584698 | 2/140A Browns Rd   | Manurewa         | N/A                                         | L1           | 643                       | Unknown        | 9.5      | No                       | No                 | Yes         |
| 3/07/2017  | 13614468 | 6980649 | 601 Great South Rd | Papatoetoe       | N/A                                         | L1           | 583                       | Silts          | 0        | No                       | No                 | Yes         |
| 8/07/2017  | 13625896 | 6227956 | 35 Cyclamen Rd     | Mangere          | N/A                                         | L1           | 86                        | Rubbish        | 5        | No                       | No                 | Yes         |
| 10/07/2017 | 13627632 | 7091232 | 17 Alexia Pl       | The Gardens      | N/A                                         | L1           | 544                       | Foreign Object | 2        | No                       | No                 | Yes         |
| 12/07/2017 | 13633471 | 6235325 | 11 Kellow Pl       | Manukau Central  | N/A                                         | L1           | 110                       | Roots          | 7        | No                       | No                 | Yes         |
| 15/07/2017 | 13638408 | 6201876 | 49R Pah Rd         | Papatoetoe       | N/A                                         | L1           | 218                       | Unknown        | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13639199 | 6223528 | 38 Skipton St      | Mangere East     | N/A                                         | L1           | 192                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13640727 | 6235216 | 3 Iona Pl          | Manukau Central  | N/A                                         | L1           | 561                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/07/2017 | 13641306 | 6233733 | 35 Finlayson Ave   | Manurewa         | N/A                                         | L1           | 99                        | Unknown        | 0        | No                       | No                 | Yes         |
| 19/07/2017 | 13646694 | 6224762 | 2/5 Malaspina Pl   | Papatoetoe       | N/A                                         | L1           | 282                       | Fat            | 0        | No                       | No                 | Yes         |
| 20/07/2017 | 13647424 | 6234272 | 20 Grande Vue Rd   | Papatoetoe       | N/A                                         | L1           | 123                       | Rubbish        | 11       | No                       | No                 | Yes         |
| 20/07/2017 | 13648018 | 6232179 | 35 Finlayson Ave   | Manurewa         | N/A                                         | L1           | 528                       | Fat            | 11       | No                       | No                 | Yes         |
| 24/07/2017 | 13654019 | 6224780 | 13 Malaspina Pl    | Papatoetoe       | N/A                                         | L1           | 102                       | Rubbish        | 3        | No                       | No                 | Yes         |
| 27/07/2017 | 13662065 | 6234633 | 8 Kenderdine Rd    | Papatoetoe       | N/A                                         | L1           | 178                       | Roots          | 8        | No                       | No                 | Yes         |
| 31/07/2017 | 13667691 | 6230769 | 18 Elsted Pl       | Goodwood Heights | N/A                                         | L1           | 560                       | Roots          | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677529 | 6201692 | 38 Lendenfeld Dr   | Papatoetoe       | N/A                                         | L1           | 82                        | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 14/08/2017 | 13692676 | 6235434 | 88 Puhinui Rd      | Papatoetoe       | N/A                                         | L1           | 78                        | Unknown        | 3        | No                       | No                 | Yes         |
| 18/08/2017 | 13702012 | 6949260 | 2/44 Plunket Ave   | Manukau Central  | N/A                                         | L1           | 111                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13705547 | 6224363 | 30A Allen St       | Mangere East     | N/A                                         | L1           | 128                       | Unknown        | 3        | No                       | No                 | Yes         |
| 25/08/2017 | 13715220 | 6231939 | 1/63 Browns Rd     | Manurewa         | N/A                                         | L1           | 580                       | Unknown        | 0        | No                       | No                 | Yes         |
| 30/08/2017 | 13722319 | 6235616 | 2/44 Plunket Ave   | Manukau Central  | N/A                                         | L1           | 122                       | Fat            | 19       | No                       | No                 | Yes         |
| 1/09/2017  | 13727844 | 6223387 | 41 Allen St        | Mangere East     | N/A                                         | L1           | 261                       | Unknown        | 3        | No                       | No                 | Yes         |
| 3/09/2017  | 13729288 | 6201701 | 58 Alabaster Dr    | Papatoetoe       | N/A                                         | L1           | 222                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 3/09/2017  | 13729351 | 6201739 | 12R Beaufort Pl    | Papatoetoe       | N/A                                         | L1           | 132                       | Unknown        | 0.5      | No                       | No                 | Yes         |
| 5/09/2017  | 13734151 | 6233315 | 18 Pallant St      | Manurewa         | N/A                                         | L1           | 94                        | Roots          | 1        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address             | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------|------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 6/09/2017  | 13736788 | 6202177 | 7 Fenton St         | Papatoetoe       | N/A                                         | L1           | 167                       | Foreign Object   | 9.5      | No                       | No                 | Yes         |
| 7/09/2017  | 13738241 | 6232753 | 20 Burbank Ave      | Manurewa         | N/A                                         | L1           | 562                       | Fat              | 4.5      | No                       | No                 | Yes         |
| 12/09/2017 | 13745975 | 6232260 | 13 Moncrieff Ave    | Manurewa         | N/A                                         | L1           | 134                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 12/09/2017 | 13747825 | 6232764 | 20 Burbank Ave      | Manurewa         | N/A                                         | L1           | 30                        | Rubbish          | 2.5      | No                       | No                 | Yes         |
| 14/09/2017 | 13752913 | 6232211 | 54 Moncrieff Ave    | Manurewa         | N/A                                         | L1           | 124                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 14/09/2017 | 13752649 | 6234313 | 2/50 Ramsey St      | Papatoetoe       | N/A                                         | L1           | 153                       | Fat              | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13754830 | 6232830 | 54 Moncrieff Ave    | Manurewa         | N/A                                         | L1           | 63                        | Foreign Object   | 5        | No                       | No                 | Yes         |
| 15/09/2017 | 13755404 | 6235792 | 116 Puhinui Rd      | Papatoetoe       | N/A                                         | L1           | 219                       | Fat              | 5        | No                       | No                 | Yes         |
| 19/09/2017 | 13761253 | 6202111 | 1/147 Wyllie Rd     | Papatoetoe       | N/A                                         | L1           | 613                       | Foreign Object   | 2.5      | No                       | No                 | Yes         |
| 22/09/2017 | 13768677 | 6235421 | 66A Puhinui Rd      | Papatoetoe       | N/A                                         | L1           | 583                       | Unknown          | 2        | No                       | No                 | Yes         |
| 22/09/2017 | 13769461 | 6304877 | 1/66A Puhinui Rd    | Papatoetoe       | N/A                                         | L1           | 201                       | Unknown          | 2        | No                       | No                 | Yes         |
| 28/09/2017 | 13779012 | 6227901 | 35 Plumley Cres     | Mangere          | N/A                                         | L1           | 100                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13782816 | 6466107 | 57 Pitt Ave         | Clendon Park     | N/A                                         | L1           | 89                        | Unknown          | 0.5      | No                       | No                 | Yes         |
| 29/09/2017 | 13782797 | 6061948 | 1/116A Maich Rd     | Manurewa         | N/A                                         | L1           | 29                        | 3rd Party Damage | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13790369 | 6231169 | 1 Pelargonium Tce   | Goodwood Heights | N/A                                         | L1           | 583                       | Roots            | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13793233 | 6235928 | 2/21 Elizabeth Ave  | Papatoetoe       | N/A                                         | L1           | 86                        | Unknown          | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13791823 | 6466650 | 10B Cramond Dr      | Mangere East     | N/A                                         | L1           | 331                       | Fat              | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13791793 | 6231165 | 36 Aronia Way       | Goodwood Heights | N/A                                         | L1           | 96                        | Unknown          | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13794767 | 6223528 | 38 Skipton St       | Mangere East     | N/A                                         | L1           | 661                       | Foreign Object   | 1.45     | No                       | No                 | Yes         |
| 6/10/2017  | 13794960 | 6223528 | 38 Skipton St       | Mangere East     | N/A                                         | L1           | 644                       | Foreign Object   | 1.45     | No                       | No                 | Yes         |
| 6/10/2017  | 13794764 | 6235792 | 116 Puhinui Rd      | Papatoetoe       | N/A                                         | L1           | 38                        | Fat              | 1.45     | No                       | No                 | Yes         |
| 12/10/2017 | 13806970 | 6222711 | 68 Skipton St       | Mangere East     | N/A                                         | L1           | 90                        | Fat              | 0        | No                       | No                 | Yes         |
| 13/10/2017 | 13808316 | 6232473 | 1/14 Great South Rd | Manurewa         | N/A                                         | L1           | 503                       | Roots            | 0.48     | No                       | No                 | Yes         |
| 19/10/2017 | 13819046 | 6465908 | 10B Cramond Dr      | Mangere East     | N/A                                         | L1           | 168                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/10/2017 | 13820360 | 6202367 | 12 Ferndown Ave     | Papatoetoe       | N/A                                         | L1           | 148                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/10/2017 | 13820393 | 6235238 | 124 Wiri Station Rd | Manukau Central  | N/A                                         | L1           | 192                       | Fat              | 0        | No                       | No                 | Yes         |
| 21/10/2017 | 13823177 | 6220776 | 13 Glen Ave         | Papatoetoe       | N/A                                         | L1           | 53                        | Unknown          | 0        | No                       | No                 | Yes         |
| 27/10/2017 | 13835182 | 6235928 | 2/21 Elizabeth Ave  | Papatoetoe       | N/A                                         | L1           | 178                       | Unknown          | 7        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 27/10/2017 | 13835296 | 6238466  | 3 Maplesden Dr        | Clendon Park     | N/A                                         | L1           | 60                        | Fat            | 7        | No                       | No                 | Yes         |
| 30/10/2017 | 13838111 | 6235926  | 21 Elizabeth Ave      | Papatoetoe       | N/A                                         | L1           | 74                        | Unknown        | 1.5      | No                       | No                 | Yes         |
| 30/10/2017 | 13839113 | 6232422  | 1/2 Begonia Pl        | Manukau Central  | N/A                                         | L1           | 86                        | Unknown        | 1.5      | No                       | No                 | Yes         |
| 2/11/2017  | 13847838 | 6233291  | 55 Burbank Ave        | Manurewa         | N/A                                         | L1           | 86                        | Fat            | 0        | No                       | No                 | Yes         |
| 3/11/2017  | 13849206 | 6232534  | 16 Dalgety Dr         | Manukau Central  | N/A                                         | L1           | 614                       | Fat            | 1        | No                       | No                 | Yes         |
| 3/11/2017  | 13850610 | 6232747  | 6 Pallant St          | Manurewa         | N/A                                         | L1           | 102                       | Fat            | 1        | No                       | No                 | Yes         |
| 4/11/2017  | 13850770 | 6232747  | 6 Pallant St          | Manurewa         | N/A                                         | L1           | 77                        | Foreign Object | 10.5     | No                       | No                 | Yes         |
| 4/11/2017  | 13850815 | 6202311  | 1 Heathberry Cl       | Papatoetoe       | N/A                                         | L1           | 93                        | Fat            | 10.5     | No                       | No                 | Yes         |
| 7/11/2017  | 13855668 | 6222646  | 34 Henwood Rd         | Mangere East     | N/A                                         | L1           | 499                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13862680 | 6232131  | 1 Nina Pl             | Manurewa         | N/A                                         | L1           | 157                       | Roots          | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13868735 | 6232670  | 35 Dagenham St        | Manurewa         | N/A                                         | L1           | 614                       | Roots          | 3        | No                       | No                 | Yes         |
| 14/11/2017 | 13868571 | 7042571  | 142 Wyllie Rd         | Papatoetoe       | N/A                                         | L1           | 585                       | Fat            | 3        | No                       | No                 | Yes         |
| 15/11/2017 | 13870957 | 6201575  | 147 Wyllie Rd         | Papatoetoe       | N/A                                         | L1           | 52                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 21/11/2017 | 13886027 | 50092823 | 73B Fitzroy St        | Papatoetoe       | N/A                                         | L1           | 78                        | Unknown        | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13887928 | 6961229  | 1/23 Richard Rd       | Mangere          | N/A                                         | L1           | 123                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 23/11/2017 | 13891622 | 7003026  | 97 Malaspina Pl       | Papatoetoe       | N/A                                         | L1           | 228                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13895507 | 6202270  | 290 Puhinui Rd        | Papatoetoe       | N/A                                         | L1           | 104                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13898051 | 6223488  | 86 Malaspina Pl       | Papatoetoe       | N/A                                         | L1           | 641                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13903176 | 6228927  | 52 Charles Prevost Dr | The Gardens      | -                                           | L3           | 251                       | Unknown        | 0        | No                       | No                 | Yes         |
| 1/12/2017  | 13913498 | 6234496  | 6/2 Druces Rd         | Manukau Central  | N/A                                         | L1           | 566                       | Fat            | 0.5      | Yes                      | Yes                | Yes         |
| 2/12/2017  | 13915508 | 6044756  | 29 Templeton Pl       | Clendon Park     | N/A                                         | L1           | 66                        | Unknown        | 0        | No                       | No                 | Yes         |
| 4/12/2017  | 13919242 | 6235269  | 5 Celadon Pl          | Manukau Central  | N/A                                         | L1           | 134                       | Unknown        | 5.5      | No                       | No                 | Yes         |
| 4/12/2017  | 13919576 | 6234033  | 18 Volta Pl           | Clendon Park     | N/A                                         | L1           | 254                       | Unknown        | 5.5      | No                       | No                 | Yes         |
| 6/12/2017  | 13926048 | 6233165  | 120 Rowandale Ave     | Manurewa         | N/A                                         | L1           | 103                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13947144 | 6234038  | 29 Templeton Pl       | Clendon Park     | N/A                                         | L1           | 193                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/12/2017 | 13949627 | 6231634  | 13 Aronia Way         | Goodwood Heights | N/A                                         | L1           | 117                       | Fat            | 0        | No                       | No                 | Yes         |
| 19/12/2017 | 13955467 | 6299024  | 35 Dagenham St        | Manurewa         | N/A                                         | L1           | 621                       | Roots          | 0        | No                       | No                 | Yes         |
| 22/12/2017 | 13965447 | 6232400  | 91 Maplesden Dr       | Clendon Park     | N/A                                         | L1           | 90                        | Rubbish        | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 25/12/2017 | 13967336 | 6236961  | 31 Kennington Dr      | Clendon Park     | N/A                                         | L1           | 109                       | Fat     | 0        | No                       | No                 | Yes         |
| 28/12/2017 | 13971694 | 6045811  | 58 Cavendish Dr       | Manukau Central  | N/A                                         | L1           | 53                        | Fat     | 0        | No                       | No                 | Yes         |
| 29/12/2017 | 13974003 | 6237366  | 35 Maplesden Dr       | Clendon Park     | N/A                                         | L1           | 71                        | Fat     | 0        | No                       | No                 | Yes         |
| 31/12/2017 | 13974943 | 6018139  | 190 Hillside Rd       | Papatoetoe       | N/A                                         | L1           | 108                       | Fat     | 0        | No                       | No                 | Yes         |
| 1/01/2018  | 13975456 | 6224778  | 8 Malaspina Pl        | Papatoetoe       | N/A                                         | L1           | 173                       | Fat     | 2.5      | No                       | No                 | Yes         |
| 4/01/2018  | 13979104 | 6042937  | 7 Aronia Way          | Goodwood Heights | N/A                                         | L1           | 140                       | Unknown | 47.5     | No                       | No                 | Yes         |
| 4/01/2018  | 13979893 | 6036603  | 42 Allen St           | Mangere East     | N/A                                         | L1           | 544                       | Fat     | 47.5     | No                       | No                 | Yes         |
| 13/01/2018 | 14000301 | 6233291  | 55 Burbank Ave        | Manurewa         | N/A                                         | L1           | 75                        | Unknown | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14000733 | 6224295  | 1/10 Phoenix Pl       | Papatoetoe       | N/A                                         | L1           | 95                        | Fat     | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14001266 | 7082233  | 2/17 Gloucester Rd    | Manurewa         | N/A                                         | L1           | 105                       | Unknown | 0        | No                       | No                 | Yes         |
| 17/01/2018 | 14009085 | 6233291  | 55 Burbank Ave        | Manurewa         | N/A                                         | L1           | 94                        | Rubbish | 0        | No                       | No                 | Yes         |
| 18/01/2018 | 14012496 | 7054313  | 86 Malaspina Pl       | Papatoetoe       | N/A                                         | L1           | 120                       | Unknown | 33.5     | No                       | No                 | Yes         |
| 18/01/2018 | 14012497 | 6223488  | 99 Malaspina Pl       | Papatoetoe       | N/A                                         | L1           | 64                        | Unknown | 33.5     | No                       | No                 | Yes         |
| 19/01/2018 | 14015108 | 6235414  | 3/14 Puhinui Rd       | Papatoetoe       | N/A                                         | L1           | 201                       | Fat     | 14       | No                       | No                 | Yes         |
| 19/01/2018 | 14015165 | 6235928  | 2/21 Elizabeth Ave    | Papatoetoe       | N/A                                         | L1           | 71                        | Rubbish | 14       | No                       | No                 | Yes         |
| 19/01/2018 | 14014093 | 7078316  | 17 Freyberg Ave       | Papatoetoe       | N/A                                         | L1           | 505                       | Rubbish | 14       | No                       | No                 | Yes         |
| 20/01/2018 | 14015845 | 6223488  | 99 Malaspina Pl       | Papatoetoe       | N/A                                         | L1           | 456                       | Unknown | 0        | No                       | No                 | Yes         |
| 20/01/2018 | 14015939 | 7008210  | 11 Ballance Ave       | Papatoetoe       | N/A                                         | L1           | 130                       | Unknown | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14020913 | 6500268  | 333 Roscommon Rd      | Manurewa         | N/A                                         | L1           | 117                       | Unknown | 6.5      | No                       | No                 | Yes         |
| 25/01/2018 | 14028417 | 50309090 | 246 Puhinui Rd        | Papatoetoe       | N/A                                         | L1           | 167                       | Fat     | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032305 | 6236924  | 16 Robert Ross Pl     | Clendon Park     | N/A                                         | L1           | 623                       | Fat     | 0.5      | No                       | No                 | Yes         |
| 28/01/2018 | 14032540 | 50244665 | 87B Fitzroy St        | Papatoetoe       | N/A                                         | L1           | 101                       | Fat     | 0.5      | No                       | No                 | Yes         |
| 28/01/2018 | 14032595 | 6045393  | 2/85 Fitzroy St       | Papatoetoe       | N/A                                         | L1           | 515                       | Unknown | 0.5      | No                       | No                 | Yes         |
| 29/01/2018 | 14033407 | 50092823 | 73A Fitzroy St        | Papatoetoe       | N/A                                         | L1           | 76                        | Unknown | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14036376 | 6234938  | 3A Freyberg Ave       | Papatoetoe       | N/A                                         | L1           | 69                        | Rubbish | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14036200 | 6237390  | 17R Palmers Rd        | Clendon Park     | N/A                                         | L1           | 95                        | Unknown | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038794 | 6235110  | 31 Manukau Station Rd | Manukau Central  | N/A                                         | L1           | 110                       | Rubbish | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14044430 | 6036814  | 34 Henwood Rd         | Mangere East     | N/A                                         | L1           | 572                       | Rubbish | 0.5      | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey  | Address             | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|------------------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 2/02/2018  | 14045215 | 6236023  | 42 Clendon Ave      | Papatoetoe       | N/A                                         | L1           | 176                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 2/02/2018  | 14045402 | 6234415  | 2/37 Clendon Ave    | Papatoetoe       | N/A                                         | L1           | 168                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 4/02/2018  | 14047059 | 6237367  | 1/29 Maplesden Dr   | Clendon Park     | N/A                                         | L1           | 130                       | Rags        | 3        | No                       | No                 | Yes         |
| 5/02/2018  | 14049980 | 6304990  | 6 Bledisloe St      | Papatoetoe       | N/A                                         | L1           | 18                        | Broken pipe | 11.5     | No                       | No                 | Yes         |
| 9/02/2018  | 14058366 | 6228300  | 25 Collie St        | Hill Park        | N/A                                         | L1           | 74                        | Roots       | 16.5     | No                       | No                 | Yes         |
| 10/02/2018 | 14059956 | 6228964  | 56 Lawrence Cres    | Hill Park        | N/A                                         | L1           | 290                       | Unknown     | 14       | No                       | No                 | Yes         |
| 18/02/2018 | 14077381 | 50013206 | 1/88 Fitzroy St     | Papatoetoe       | N/A                                         | L1           | 88                        | Roots       | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14083234 | 6235587  | 11 Topaz Pl         | Manukau Central  | N/A                                         | L1           | 120                       | Rubbish     | 7.5      | No                       | No                 | Yes         |
| 20/02/2018 | 14083467 | 6224689  | 1 Lendenfeld Dr     | Papatoetoe       | N/A                                         | L1           | 106                       | Fat         | 7.5      | No                       | No                 | Yes         |
| 2/03/2018  | 14109741 | 6040868  | 5/17A Idesia Pl     | Totara Heights   | N/A                                         | L1           | 214                       | Unknown     | 2        | No                       | No                 | Yes         |
| 2/03/2018  | 14109813 | 6238000  | 1/23 Maplesden Dr   | Clendon Park     | N/A                                         | L1           | 228                       | Fat         | 2        | No                       | No                 | Yes         |
| 7/03/2018  | 14121019 | 7081378  | 57 Raglan St        | Mangere East     | -                                           | L2           | 112                       | Fat         | 11       | No                       | No                 | Yes         |
| 12/03/2018 | 14133852 | 6956150  | 80A Station Rd      | Papatoetoe       | N/A                                         | L1           | 181                       | Fat         | 15       | No                       | No                 | Yes         |
| 13/03/2018 | 14137135 | 6202364  | 13 Ferndown Ave     | Papatoetoe       | -                                           | L2           | 79                        | Fat         | 2.5      | No                       | No                 | Yes         |
| 14/03/2018 | 14139701 | 6234875  | 8 Norman Spencer Dr | Manukau Central  | N/A                                         | L1           | 58                        | Fat         | 1.5      | No                       | No                 | Yes         |
| 15/03/2018 | 14143199 | 6224295  | Phoenix Pl          | Papatoetoe       | N/A                                         | L1           | 137                       | Roots       | 2.5      | No                       | No                 | Yes         |
| 16/03/2018 | 14146176 | 6223412  | 1/100 Portage Rd    | Papatoetoe       | N/A                                         | L1           | 116                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 19/03/2018 | 14150938 | 6228872  | 1/11 Eugenia Rise   | Totara Heights   | N/A                                         | L1           | 134                       | Roots       | 0.5      | No                       | No                 | Yes         |
| 20/03/2018 | 14154380 | 6238363  | 1/3 Myna Pl         | Clendon Park     | N/A                                         | L1           | 211                       | Fat         | 0        | No                       | No                 | Yes         |
| 20/03/2018 | 14154693 | 6238158  | 12 Newbegin Pl      | Weymouth         | N/A                                         | L1           | 101                       | Rubbish     | 0        | No                       | No                 | Yes         |
| 27/03/2018 | 14169423 | 6222640  | 57 Raglan St        | Mangere East     | -                                           | L2           | 183                       | Fat         | 0        | No                       | No                 | Yes         |
| 31/03/2018 | 14178952 | 6223412  | 2/88 Portage Rd     | New Lynn         | N/A                                         | L1           | 222                       | Unknown     | 0.5      | No                       | No                 | Yes         |
| 2/04/2018  | 14180069 | 6235010  | 72 Cavendish Dr     | Manukau Central  | N/A                                         | L1           | 487                       | Rags        | 0        | No                       | No                 | Yes         |
| 2/04/2018  | 14180146 | 6228663  | 5 Ransom Smyth Dr   | Goodwood Heights | N/A                                         | L1           | 585                       | Broken Pipe | 0        | No                       | No                 | Yes         |
| 7/04/2018  | 14193993 | 6234313  | 4/69 Kenderdine Rd  | Papatoetoe       | N/A                                         | L1           | 91                        | Unknown     | 0        | No                       | No                 | Yes         |
| 9/04/2018  | 14195720 | 6228663  | 5 Ransom Smyth Dr   | Goodwood Heights | N/A                                         | L1           | 237                       | Broken pipe | 1        | No                       | No                 | Yes         |
| 12/04/2018 | 14206186 | 7032924  | Naylors Dr          | Mangere          | N/A                                         | L1           | 342                       | Roots       | 4.5      | No                       | No                 | Yes         |
| 12/04/2018 | 14206314 | 6232480  | 1/10 Browns Rd      | Manurewa         | N/A                                         | L1           | 597                       | Unknown     | 4.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 14/04/2018 | 14211306 | 6949260  | 46A Plunket Ave       | Manukau Central  | N/A                                         | L1           | 142                       | Surcharging    | 79.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211316 | 10317532 | 44 Raglan St          | Mangere East     | N/A                                         | L1           | 97                        | Surcharging    | 79.5     | No                       | No                 | Yes         |
| 19/04/2018 | 14225243 | 6238495  | 29 Templeton Pl       | Clendon Park     | N/A                                         | L1           | 181                       | Rags           | 0        | No                       | No                 | Yes         |
| 22/04/2018 | 14230620 | 6233590  | 137 Russell Rd        | Manurewa         | N/A                                         | L1           | 123                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 23/04/2018 | 14232226 | 6233534  | 88 Burundi Ave        | Manurewa         | N/A                                         | L1           | 192                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14232316 | 6233534  | 2/141 Finlayson Ave   | Clendon Park     | N/A                                         | L1           | 164                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14233139 | 6299040  | 59 Browns Rd          | Manurewa         | N/A                                         | L1           | 490                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14233748 | 6499865  | 44 Browns Rd          | Manurewa         | N/A                                         | L1           | 5                         | Unknown        | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14234173 | 6040791  | 1 Tilia Pl            | Totara Heights   | N/A                                         | L1           | 159                       | Roots          | 0        | No                       | No                 | Yes         |
| 25/04/2018 | 14238511 | 6233733  | 35 Finlayson Ave      | Manurewa         | N/A                                         | L1           | 129                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 26/04/2018 | 14240076 | 6507007  | 2 Nicholas Gibbons Dr | Clendon Park     | N/A                                         | L1           | 525                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14240086 | 6710867  | 41 Hilltop Rd         | Flat Bush        | N/A                                         | L1           | 108                       | Silts          | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14240154 | 6506590  | 1/7 Gifford Rd        | Papatoetoe       | N/A                                         | L1           | 549                       | Fat            | 0        | No                       | No                 | Yes         |
| 26/04/2018 | 14240438 | 6234193  | 55 Fairview Rd        | Papatoetoe       | N/A                                         | L1           | 113                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 27/04/2018 | 14242821 | 6233089  | 1/30 Arbor Cl         | Manurewa         | N/A                                         | L1           | 507                       | Fat            | 0        | No                       | No                 | Yes         |
| 2/05/2018  | 14254629 | 6235434  | 88 Puhinui Rd         | Papatoetoe       | N/A                                         | L1           | 67                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 6/05/2018  | 14263382 | 6202311  | 1 Heathberry Cl       | Papatoetoe       | N/A                                         | L1           | 629                       | Rubbish        | 1        | No                       | No                 | Yes         |
| 8/05/2018  | 14269748 | 6235375  | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 470                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/05/2018 | 14280082 | 6202230  | 13 Gifford Rd         | Papatoetoe       | N/A                                         | L1           | 70                        | Fat            | 11.5     | No                       | No                 | Yes         |
| 12/05/2018 | 14280877 | 6235928  | 2/21 Elizabeth Ave    | Papatoetoe       | N/A                                         | L1           | 49                        | Broken pipe    | 11.5     | No                       | No                 | Yes         |
| 13/05/2018 | 14281657 | 6202235  | 6/14 Gifford Rd       | Papatoetoe       | N/A                                         | L1           | 527                       | Roots          | 19       | No                       | No                 | Yes         |
| 14/05/2018 | 14283886 | 6228265  | 5/17A Idesia Pl       | Totara Heights   | N/A                                         | L1           | 472                       | Fat            | 2        | No                       | No                 | Yes         |
| 14/05/2018 | 14285232 | 6040607  | 2 Caley Crt           | Goodwood Heights | N/A                                         | L1           | 103                       | Broken pipe    | 2        | No                       | No                 | Yes         |
| 15/05/2018 | 14287831 | 6235375  | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 476                       | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 15/05/2018 | 14287900 | 6202255  | 148 Wyllie Rd         | Papatoetoe       | N/A                                         | L1           | 172                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 17/05/2018 | 14293589 | 6307155  | 2/21 Elizabeth Ave    | Papatoetoe       | N/A                                         | L1           | 565                       | Rubbish        | 2        | No                       | No                 | Yes         |
| 20/05/2018 | 14300480 | 6233009  | 94 Finlayson Ave      | Manurewa         | N/A                                         | L1           | 475                       | Fat            | 7        | No                       | No                 | Yes         |
| 21/05/2018 | 14303645 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 477                       | Broken pipe    | 5.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address               | Suburb           | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|------------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 22/05/2018 | 14305495 | 7046145  | 1/17 Gloucester Rd    | Manurewa         | N/A                                         | L1           | 8                         | 3rd party damage | 2        | No                       | No                 | Yes         |
| 25/05/2018 | 14314902 | 7046145  | 1/17 Gloucester Rd    | Manurewa         | N/A                                         | L1           | 311                       | 3rd party damage | 6.5      | No                       | No                 | Yes         |
| 25/05/2018 | 14315034 | 6236055  | 27R Chestnut Rd       | Papatoetoe       | N/A                                         | L1           | 115                       | Rubbish          | 6.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317468 | 6231985  | 1/17 Gloucester Rd    | Manurewa         | N/A                                         | L1           | 512                       | 3rd party damage | 1.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317813 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 544                       | Unknown          | 1.5      | No                       | No                 | Yes         |
| 27/05/2018 | 14318452 | 6231194  | 37R Banyan Dr         | Goodwood Heights | -                                           | L2           | 526                       | Rubbish          | 6.5      | No                       | No                 | Yes         |
| 28/05/2018 | 14321677 | 6519007  | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 19                        | Broken pipe      | 1        | No                       | No                 | Yes         |
| 28/05/2018 | 14322015 | 6232637  | 14 Healy Rd           | Manurewa         | N/A                                         | L1           | 387                       | Rubbish          | 1        | No                       | No                 | Yes         |
| 3/06/2018  | 14335109 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 115                       | Broken pipe      | 61       | No                       | No                 | Yes         |
| 3/06/2018  | 14335182 | 6243550  | 37 Bellville Dr       | Clendon Park     | N/A                                         | L1           | 603                       | Surcharging      | 61       | No                       | No                 | Yes         |
| 3/06/2018  | 14335278 | 6228964  | 56 Lawrence Cres      | Hill Park        | N/A                                         | L1           | 9                         | Surcharging      | 61       | No                       | No                 | Yes         |
| 5/06/2018  | 14338032 | 7028684  | 104 Buckland Rd       | Mangere East     | N/A                                         | L1           | 487                       | Fat              | 11.5     | No                       | No                 | Yes         |
| 6/06/2018  | 14341590 | 1581137  | 56 Lawrence Cres      | Hill Park        | N/A                                         | L1           | 510                       | Fat              | 9.5      | No                       | No                 | Yes         |
| 7/06/2018  | 14345033 | 6202135  | 103 Park Ave          | Papatoetoe       | N/A                                         | L1           | 493                       | Fat              | 1        | No                       | No                 | Yes         |
| 7/06/2018  | 14345970 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 54                        | Broken pipe      | 1        | No                       | No                 | Yes         |
| 7/06/2018  | 14346112 | 6507006  | 2 Nicholas Gibbons Dr | Clendon Park     | N/A                                         | L1           | 116                       | Fat              | 1        | No                       | No                 | Yes         |
| 8/06/2018  | 14347653 | 6040842  | 15 Idesia Pl          | Totara Heights   | N/A                                         | L1           | 556                       | Fat              | 0        | No                       | No                 | Yes         |
| 9/06/2018  | 14349608 | 6228867  | 5/17A Idesia Pl       | Totara Heights   | N/A                                         | L1           | 232                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/06/2018  | 14349642 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 82                        | Broken pipe      | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14351379 | 6202135  | 103 Park Ave          | Papatoetoe       | N/A                                         | L1           | 260                       | Fat              | 20.5     | No                       | No                 | Yes         |
| 11/06/2018 | 14351402 | 6222653  | 1/10 Phoenix Pl       | Papatoetoe       | N/A                                         | L1           | 135                       | Fat              | 20.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356634 | 6232637  | 14 Healy Rd           | Manurewa         | N/A                                         | L1           | 261                       | Fat              | 35.5     | No                       | No                 | Yes         |
| 13/06/2018 | 14357522 | 1582843  | 25 De Havilland Dr    | Goodwood Heights | N/A                                         | L1           | 218                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 13/06/2018 | 14358481 | 6234883  | 6 Cavendish Dr        | Manukau Central  | N/A                                         | L1           | 423                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14384205 | 50092425 | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 394                       | Broken pipe      | 0.5      | No                       | No                 | Yes         |
| 24/06/2018 | 14384930 | 6201559  | 19 Gifford Rd         | Papatoetoe       | N/A                                         | L1           | 164                       | Fat              | 7        | No                       | No                 | Yes         |
| 30/06/2018 | 14402131 | 6201741  | 44 Beaufort Pl        | Papatoetoe       | N/A                                         | L1           | 133                       | Fat              | 0        | No                       | No                 | Yes         |
| 30/06/2018 | 14402137 | 663481   | 4 Brooks Way          | Papatoetoe       | N/A                                         | L1           | 156                       | Broken pipe      | 0        | No                       | No                 | Yes         |

**Table 29: Overflows in the Pahurehure Inlet Catchment Area**

| Date       | SR #     | Compkey  | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 1/07/2017  | 13612150 | 6044306  | 29 Aarts Ave       | Manurewa      | N/A                                         | L1           | 533                       | Unknown        | 32       | No                       | No                 | Yes         |
| 2/07/2017  | 13612231 | 6229139  | 4 Freshney Pl      | Hill Park     | N/A                                         | L1           | 150                       | Surcharging    | 9.5      | No                       | No                 | Yes         |
| 2/07/2017  | 13612256 | 1584193  | 1/29 Aarts Ave     | Manurewa      | N/A                                         | L1           | 84                        | Rubbish        | 9.5      | No                       | No                 | Yes         |
| 3/07/2017  | 13613450 | 1581817  | 1A Short St        | Manurewa      | N/A                                         | L1           | 420                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13614403 | 1592440  | 210 Great South Rd | Manurewa      | N/A                                         | L1           | 606                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13615178 | 1581714  | 4/45 Halver Rd     | Manurewa      | N/A                                         | L1           | 176                       | Unknown        | 0        | No                       | No                 | Yes         |
| 8/07/2017  | 13625872 | 50251047 | Becker Dr          | Weymouth      | N/A                                         | L1           | 66                        | Surcharging    | 5        | No                       | No                 | Yes         |
| 10/07/2017 | 13627426 | 6236386  | 30 Clayton Rd      | Manurewa      | N/A                                         | L1           | 137                       | Fat            | 2        | No                       | No                 | Yes         |
| 10/07/2017 | 13628715 | 6236904  | 18A Thompson Tce   | Manurewa      | N/A                                         | L1           | 81                        | Fat            | 2        | No                       | No                 | Yes         |
| 13/07/2017 | 13635825 | 6237436  | 67 Thompson Tce    | Manurewa      | N/A                                         | L1           | 255                       | Fat            | 4.5      | No                       | No                 | Yes         |
| 23/07/2017 | 13652989 | 6236342  | 109 Coxhead Rd     | Manurewa      | N/A                                         | L1           | 116                       | Fat            | 2        | No                       | No                 | Yes         |
| 29/07/2017 | 13665220 | 6237753  | 29 Beihlers Rd     | Weymouth      | N/A                                         | L1           | 106                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13667678 | 6466127  | 45 Sandwick Dr     | Manurewa      | N/A                                         | L1           | 36                        | Roots          | 0        | No                       | No                 | Yes         |
| 1/08/2017  | 13669518 | 6236342  | 127 Coxhead Rd     | Manurewa      | N/A                                         | L1           | 465                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13672352 | 6465986  | 33 Foxlaw St       | Randwick Park | N/A                                         | L1           | 566                       | Fat            | 7        | No                       | No                 | Yes         |
| 3/08/2017  | 13673945 | 6233059  | 165 Weymouth Rd    | Manurewa      | N/A                                         | L1           | 123                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/08/2017  | 13675511 | 6494692  | Russell Rd         | Manurewa      | N/A                                         | L1           | 90                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13680764 | 6237081  | 32 Bernina Pl      | Manurewa      | N/A                                         | L1           | 418                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/08/2017  | 13681454 | 6237115  | 8 Sandwick Dr      | Manurewa      | N/A                                         | L1           | 100                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 17/08/2017 | 13699700 | 6237135  | 34 Becker Dr       | Weymouth      | N/A                                         | L1           | 94                        | Fat            | 3        | No                       | No                 | Yes         |
| 19/08/2017 | 13703750 | 6238688  | 11 Siska Pl        | Manurewa      | N/A                                         | L1           | 131                       | Unknown        | 4.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13705157 | 6465986  | 33 Foxlaw St       | Randwick Park | N/A                                         | L1           | 181                       | Fat            | 3        | No                       | No                 | Yes         |
| 26/08/2017 | 13716227 | 6238105  | 8 Eddowes St       | Manurewa      | N/A                                         | L1           | 123                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 27/08/2017 | 13716915 | 7018334  | 1 Ramwall Pl       | Manurewa      | N/A                                         | L1           | 594                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 28/08/2017 | 13718740 | 6238355  | 183 Mahia Rd       | Manurewa      | N/A                                         | L1           | 101                       | Roots          | 13.5     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address           | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 4/09/2017  | 13729954 | 6236530  | 61 Mahia Rd       | Manurewa      | N/A                                         | L1           | 97                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 4/09/2017  | 13731433 | 6233351  | 3 Kay Rd          | Manurewa      | N/A                                         | L1           | 182                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 5/09/2017  | 13734367 | 6229594  | 74 Hill Rd        | Hill Park     | N/A                                         | L1           | 69                        | Rubbish        | 1        | No                       | No                 | Yes         |
| 9/09/2017  | 13742273 | 6237027  | 20 Astor Pl       | Manurewa      | N/A                                         | L1           | 106                       | Fat            | 15       | No                       | No                 | Yes         |
| 13/09/2017 | 13749372 | 6239250  | 16 Rowandale Ave  | Manurewa      | N/A                                         | L1           | 461                       | Unknown        | 0        | No                       | No                 | Yes         |
| 14/09/2017 | 13752065 | 6236729  | Shifnal Dr        | Randwick Park | N/A                                         | L1           | 423                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13754588 | 6488405  | 85 Rathmar Dr     | Manurewa      | -                                           | L2           | 119                       | Roots          | 5        | No                       | No                 | Yes         |
| 17/09/2017 | 13757342 | 6237265  | 50 Coxhead Rd     | Manurewa      | N/A                                         | L1           | 94                        | Unknown        | 11       | No                       | No                 | Yes         |
| 22/09/2017 | 13768339 | 6233356  | 17 Dreadon Rd     | Manurewa      | N/A                                         | L1           | 97                        | Fat            | 2        | No                       | No                 | Yes         |
| 23/09/2017 | 13770206 | 50182627 | 71 Hadley Wood Dr | Wattle Downs  | N/A                                         | L1           | 187                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13771241 | 6232221  | 76S Russell Rd    | Manurewa      | N/A                                         | L1           | 236                       | Fat            | 0        | No                       | No                 | Yes         |
| 3/10/2017  | 13788518 | 6465986  | 33 Foxlaw St      | Randwick Park | N/A                                         | L1           | 132                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13795824 | 6490019  | 2 Saralee Dr      | Manurewa      | N/A                                         | L1           | 63                        | Fat            | 1.45     | No                       | No                 | Yes         |
| 9/10/2017  | 13799398 | 7042367  | 22 Benjack Pl     | Manurewa      | N/A                                         | L1           | 105                       | Unknown        | 4.36     | No                       | No                 | Yes         |
| 18/10/2017 | 13816266 | 6232234  | 101 Rowandale Ave | Manurewa      | N/A                                         | L1           | 71                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 24/10/2017 | 13827486 | 6230726  | 6 Limond St       | Randwick Park | N/A                                         | L1           | 90                        | Roots          | 3        | No                       | No                 | Yes         |
| 27/10/2017 | 13835273 | 6232883  | 2 Dreadon Rd      | Manurewa      | N/A                                         | L1           | 150                       | Fat            | 7        | No                       | No                 | Yes         |
| 27/10/2017 | 13835240 | 6233366  | 49 Winsford St    | Manurewa      | N/A                                         | L1           | 72                        | Fat            | 7        | No                       | No                 | Yes         |
| 28/10/2017 | 13835655 | 6233355  | 4 Dreadon Rd      | Manurewa      | N/A                                         | L1           | 76                        | Fat            | 7        | No                       | No                 | Yes         |
| 4/11/2017  | 13850833 | 6237574  | 28 Innismara Ave  | Manurewa      | N/A                                         | L1           | 43                        | Roots          | 10.5     | No                       | No                 | Yes         |
| 7/11/2017  | 13855500 | 6229213  | 3 Brough Rd       | Manurewa      | N/A                                         | L1           | 132                       | Roots          | 0        | No                       | No                 | Yes         |
| 7/11/2017  | 13856784 | 6238510  | 31A Estuary Rd    | Weymouth      | N/A                                         | L1           | 132                       | Fat            | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13869612 | 6229410  | 63 Hill Rd        | Hill Park     | N/A                                         | L1           | 130                       | Unknown        | 3        | No                       | No                 | Yes         |
| 21/11/2017 | 13887620 | 6237337  | 73 Coxhead Rd     | Manurewa      | N/A                                         | L1           | 102                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 24/11/2017 | 13894675 | 6238140  | 33 Leaver Pl      | Weymouth      | N/A                                         | L1           | 263                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897456 | 6236557  | 52 Bowater Pl     | Manurewa      | N/A                                         | L1           | 127                       | Unknown        | 0        | No                       | No                 | Yes         |
| 26/11/2017 | 13898288 | 6239259  | 8 Minton Pl       | Manurewa      | N/A                                         | L1           | 53                        | Roots          | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13903974 | 6233246  | 61 Jellicoe Rd    | Manurewa      | N/A                                         | L1           | 123                       | Unknown        | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address            | Suburb       | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 30/11/2017 | 13911024 | 6236556  | 52 Bowater Pl      | Manurewa     | N/A                                         | L1           | 285                       | Unknown        | 28       | No                       | No                 | Yes         |
| 2/12/2017  | 13915245 | 6237115  | 8 Sandwich Dr      | Manurewa     | N/A                                         | L1           | 83                        | Unknown        | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13939089 | 6232221  | 76S Russell Rd     | Manurewa     | N/A                                         | L1           | 198                       | Fat            | 1        | No                       | No                 | Yes         |
| 13/12/2017 | 13942374 | 6232269  | 62 Wordsworth Rd   | Manurewa     | N/A                                         | L1           | 140                       | Fat            | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13945264 | 6228421  | 15 Weymouth Rd     | Manurewa     | N/A                                         | L1           | 73                        | Roots          | 3        | No                       | No                 | Yes         |
| 20/12/2017 | 13958852 | 6232807  | 76S Russell Rd     | Manurewa     | N/A                                         | L1           | 333                       | Rubbish        | 1        | No                       | No                 | Yes         |
| 20/12/2017 | 13959741 | 6237314  | 31 Eddowes St      | Manurewa     | N/A                                         | L1           | 97                        | Roots          | 1        | No                       | No                 | Yes         |
| 23/12/2017 | 13966353 | 6229845  | 1/1 Scotts Rd      | Manurewa     | N/A                                         | L1           | 85                        | Fat            | 0        | No                       | No                 | Yes         |
| 27/12/2017 | 13969062 | 6043934  | 4 Hywell Pl        | Manurewa     | N/A                                         | L1           | 626                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 27/12/2017 | 13969920 | 6233138  | 63 Rowandale Ave   | Manurewa     | N/A                                         | L1           | 161                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 28/12/2017 | 13970170 | 6236823  | 23 Lothian Brae    | Wattle Downs | N/A                                         | L1           | 63                        | Roots          | 0        | No                       | No                 | Yes         |
| 30/12/2017 | 13974470 | 6046512  | 3/13C James Rd     | Manurewa     | N/A                                         | L1           | 52                        | Fat            | 1        | No                       | No                 | Yes         |
| 3/01/2018  | 13978071 | 6229439  | 176 Great South Rd | Manurewa     | N/A                                         | L1           | 153                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/01/2018  | 13982875 | 6977861  | 10 Lane Rd         | Weymouth     | N/A                                         | L1           | 73                        | Foreign Object | 11       | No                       | No                 | Yes         |
| 10/01/2018 | 13991936 | 6228408  | 6 Alfriston Rd     | Manurewa     | N/A                                         | L1           | 51                        | Fat            | 0        | No                       | No                 | Yes         |
| 12/01/2018 | 13999928 | 6229714  | 59 Beaumonts Way   | Manurewa     | N/A                                         | L1           | 197                       | Unknown        | 0        | No                       | No                 | Yes         |
| 19/01/2018 | 14013519 | 6044132  | 2/22 Montilla Pl   | Manurewa     | N/A                                         | L1           | 209                       | Rubbish        | 14       | No                       | No                 | Yes         |
| 24/01/2018 | 14025756 | 7048998  | 10 Jutland Rd      | Manurewa     | N/A                                         | L1           | 111                       | Unknown        | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14026053 | 6232213  | 57 Russell Rd      | Manurewa     | N/A                                         | L1           | 95                        | Rags           | 0        | No                       | No                 | Yes         |
| 27/01/2018 | 14031894 | 6236501  | 10 Nield Rd        | Manurewa     | N/A                                         | L1           | 244                       | Surcharging    | 2        | No                       | No                 | Yes         |
| 5/02/2018  | 14049058 | 6238828  | 2/21 Mcinnes Rd    | Weymouth     | N/A                                         | L1           | 654                       | Surcharging    | 11.5     | No                       | No                 | Yes         |
| 7/02/2018  | 14053646 | 6044716  | 17 Minton Pl       | Manurewa     | N/A                                         | L1           | 301                       | Unknown        | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14051331 | 6233012  | 14 Gainsborough St | Manurewa     | N/A                                         | L1           | 104                       | Fat            | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14055730 | 6229710  | 54 Rogers Rd       | Manurewa     | N/A                                         | L1           | 70                        | Fat            | 2.5      | No                       | No                 | Yes         |
| 10/02/2018 | 14060330 | 6238153  | 1 Ramwall Pl       | Manurewa     | N/A                                         | L1           | 197                       | Silts          | 14       | No                       | No                 | Yes         |
| 10/02/2018 | 14059950 | 10317532 | 41R Estuary Rd     | Weymouth     | N/A                                         | L1           | 70                        | Unknown        | 14       | No                       | No                 | Yes         |
| 10/02/2018 | 14060128 | 6229501  | 50 Mcannalley St   | Manurewa     | N/A                                         | L1           | 587                       | Unknown        | 14       | No                       | No                 | Yes         |
| 10/02/2018 | 14060276 | 6238681  | 7 Volante Ave      | Manurewa     | N/A                                         | L1           | 78                        | Unknown        | 14       | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address            | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|--------------------|---------------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 11/02/2018 | 14060641 | 6046653 | 10 Nield Rd        | Manurewa      | N/A                                         | L1           | 192                       | Unknown | 39       | No                       | No                 | Yes         |
| 11/02/2018 | 14060805 | 6236137 | 2/25 Mahia Rd      | Manurewa      | N/A                                         | L1           | 177                       | Fat     | 39       | No                       | No                 | Yes         |
| 12/02/2018 | 14065118 | 6229326 | 17 Goldnib Pl      | Randwick Park | N/A                                         | L1           | 143                       | Rags    | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066540 | 6236355 | 115 Mahia Rd       | Manurewa      | N/A                                         | L1           | 503                       | Fat     | 22.5     | No                       | No                 | Yes         |
| 14/02/2018 | 14070129 | 6463509 | 15 Weymouth Rd     | Manurewa      | N/A                                         | L1           | 73                        | Unknown | 2.5      | No                       | No                 | Yes         |
| 14/02/2018 | 14070559 | 6238686 | 17 Volante Ave     | Manurewa      | N/A                                         | L1           | 233                       | Unknown | 2.5      | No                       | No                 | Yes         |
| 15/02/2018 | 14073075 | 6236325 | 6 Rimu Rd          | Manurewa      | -                                           | L2           | 172                       | Rubbish | 0.5      | No                       | No                 | Yes         |
| 15/02/2018 | 14072352 | 6487152 | 15 Weymouth Rd     | Manurewa      | N/A                                         | L1           | 55                        | Roots   | 0.5      | No                       | No                 | Yes         |
| 16/02/2018 | 14076422 | 6233613 | 1/22 Montilla Pl   | Manurewa      | N/A                                         | L1           | 235                       | Fat     | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076642 | 6044039 | 2/53 Russell Rd    | Manurewa      | N/A                                         | L1           | 87                        | Rubbish | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076792 | 6044734 | 7 Morrin St        | Manurewa      | N/A                                         | L1           | 607                       | Unknown | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14080140 | 6044710 | 21 Coxhead Rd      | Manurewa      | N/A                                         | L1           | 128                       | Fat     | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14079806 | 6236325 | 6 Rimu Rd          | Manurewa      | N/A                                         | L1           | 611                       | Rubbish | 0        | No                       | No                 | Yes         |
| 20/02/2018 | 14081423 | 6232221 | 76S Russell Rd     | Manurewa      | N/A                                         | L1           | 92                        | Unknown | 7.5      | No                       | No                 | Yes         |
| 20/02/2018 | 14084023 | 6237600 | 12R Montego Pl     | Manurewa      | N/A                                         | L1           | 141                       | Silts   | 7.5      | No                       | No                 | Yes         |
| 21/02/2018 | 14086785 | 6237548 | 30 Sandwick Dr     | Manurewa      | N/A                                         | L1           | 158                       | Fat     | 2.5      | No                       | No                 | Yes         |
| 22/02/2018 | 14090025 | 6233060 | 2 Heybridge St     | Manurewa      | N/A                                         | L1           | 87                        | Fat     | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094354 | 6047994 | 30 Sandwick Dr     | Manurewa      | N/A                                         | L1           | 164                       | Fat     | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14095999 | 6041601 | 253 Great South Rd | Manurewa      | N/A                                         | L1           | 461                       | Unknown | 0        | No                       | No                 | Yes         |
| 27/02/2018 | 14100456 | 6043733 | 7 Surrey St        | Manurewa      | N/A                                         | L1           | 69                        | Unknown | 3.5      | No                       | No                 | Yes         |
| 2/03/2018  | 14108868 | 6229274 | 29 Alfriston Rd    | Manurewa      | N/A                                         | L1           | 528                       | Rubbish | 2        | No                       | No                 | Yes         |
| 6/03/2018  | 14118082 | 6232867 | 2 Arnwood St       | Manurewa      | N/A                                         | L1           | 184                       | Fat     | 0        | No                       | No                 | Yes         |
| 7/03/2018  | 14121902 | 6238140 | 33 Leaver Pl       | Weymouth      | N/A                                         | L1           | 231                       | Rubbish | 11       | No                       | No                 | Yes         |
| 10/03/2018 | 14129839 | 6236655 | 56 Puriri Rd       | Manurewa      | N/A                                         | L1           | 494                       | Rubbish | 0        | No                       | No                 | Yes         |
| 13/03/2018 | 14137336 | 6236855 | 2 Kohiwi Rd        | Manurewa      | N/A                                         | L1           | 171                       | Fat     | 2.5      | No                       | No                 | Yes         |
| 20/03/2018 | 14154591 | 6236175 | 1/97 Mahia Rd      | Manurewa      | N/A                                         | L1           | 102                       | Fat     | 0        | No                       | No                 | Yes         |
| 25/03/2018 | 14165653 | 6237552 | 88 Sykes Rd        | Manurewa      | N/A                                         | L1           | 86                        | Fat     | 1.5      | No                       | No                 | Yes         |
| 29/03/2018 | 14177747 | 6228483 | 42 Rogers Rd       | Manurewa      | N/A                                         | L1           | 92                        | Unknown | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address              | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|----------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 30/03/2018 | 14178466 | 6236251 | 23 Ferguson St       | Manurewa      | N/A                                         | L1           | 263                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 2/04/2018  | 14180192 | 6230725 | 6 Limond St          | Randwick Park | N/A                                         | L1           | 618                       | Fat            | 0        | No                       | No                 | Yes         |
| 5/04/2018  | 14190062 | 6232332 | 63 Rowandale Ave     | Manurewa      | N/A                                         | L1           | 131                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 10/04/2018 | 14201210 | 6238183 | 16 Lucas Pl          | Weymouth      | N/A                                         | L1           | 48                        | Surcharging    | 33       | No                       | No                 | Yes         |
| 14/04/2018 | 14211301 | 6233613 | 2/22 Montilla Pl     | Manurewa      | N/A                                         | L1           | 69                        | Unknown        | 79.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211496 | 6233492 | 49 Winsford St       | Manurewa      | N/A                                         | L1           | 528                       | Fat            | 79.5     | No                       | No                 | Yes         |
| 14/04/2018 | 14211587 | 6236518 | 7 Mahia Rd           | Manurewa      | N/A                                         | L1           | 380                       | Surcharging    | 79.5     | No                       | No                 | Yes         |
| 15/04/2018 | 14212363 | 6238887 | 15 St Annes Cres     | Wattle Downs  | N/A                                         | L1           | 106                       | Fat            | 6.5      | No                       | No                 | Yes         |
| 16/04/2018 | 14214717 | 6233959 | 25 Sturdee Rd        | Manurewa      | N/A                                         | L1           | 598                       | Fat            | 2        | No                       | No                 | Yes         |
| 19/04/2018 | 14224632 | 6041808 | 1/38A Scotts Rd      | Manurewa      | N/A                                         | L1           | 661                       | Fat            | 0        | No                       | No                 | Yes         |
| 22/04/2018 | 14230548 | 6048607 | 42B Evans Rd         | Weymouth      | N/A                                         | L1           | 70                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 24/04/2018 | 14235099 | 6232222 | 2/22 Montilla Pl     | Manurewa      | N/A                                         | L1           | 419                       | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 28/04/2018 | 14245954 | 6232222 | 1/22 Montilla Pl     | Manurewa      | N/A                                         | L1           | 145                       | Unknown        | 17       | No                       | No                 | Yes         |
| 30/04/2018 | 14249172 | 6238125 | 67 Thompson Tce      | Manurewa      | N/A                                         | L1           | 223                       | Fat            | 3.5      | No                       | No                 | Yes         |
| 1/05/2018  | 14253330 | 6237006 | 67 Thompson Tce      | Manurewa      | N/A                                         | L1           | 345                       | Roots          | 1        | No                       | No                 | Yes         |
| 5/05/2018  | 14262540 | 6239274 | 68R Coxhead Rd       | Manurewa      | 3                                           | L2           | 339                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 7/05/2018  | 14265784 | 6239252 | 1/179 Weymouth Rd    | Manurewa      | N/A                                         | L1           | 617                       | Fat            | 1.5      | No                       | No                 | Yes         |
| 14/05/2018 | 14283724 | 6229293 | 74 Mcannalley St     | Manurewa      | N/A                                         | L1           | 637                       | Fat            | 2        | No                       | No                 | Yes         |
| 18/05/2018 | 14297436 | 6232869 | 44 Russell Rd        | Manurewa      | N/A                                         | L1           | 179                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 18/05/2018 | 14298238 | 6479847 | 52 Castlefinn Dr     | Manurewa      | N/A                                         | L1           | 316                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317293 | 6237960 | 44 Coxhead Rd        | Manurewa      | N/A                                         | L1           | 146                       | Rubbish        | 1.5      | No                       | No                 | Yes         |
| 26/05/2018 | 14317863 | 6236247 | 88 Beaumonts Way     | Manurewa      | N/A                                         | L1           | 159                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 30/05/2018 | 14328248 | 6230056 | 15 Melleray Pl       | Randwick Park | N/A                                         | L1           | 213                       | Fat            | 0        | No                       | No                 | Yes         |
| 30/05/2018 | 14328345 | 7097887 | 27S Greenmeadows Ave | Manurewa      | N/A                                         | L1           | 164                       | Roots          | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335217 | 6229139 | 4 Freshney Pl        | Hill Park     | N/A                                         | L1           | 657                       | Fat            | 61       | No                       | No                 | Yes         |
| 5/06/2018  | 14338054 | 6477990 | 131 Wattle Farm Rd   | Wattle Downs  | N/A                                         | L1           | 91                        | Rubbish        | 11.5     | No                       | No                 | Yes         |
| 5/06/2018  | 14338555 | 6237635 | Becker Dr            | Weymouth      | N/A                                         | L1           | 657                       | Surcharging    | 11.5     | No                       | No                 | Yes         |
| 6/06/2018  | 14342423 | 6229862 | 2 Foxlaw St          | Randwick Park | N/A                                         | L1           | 90                        | Surcharging    | 9.5      | No                       | No                 | Yes         |



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| Date       | SR #     | Compkey  | Address            | Suburb   | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|----------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 9/06/2018  | 14349673 | 50077839 | 127 Beaumonts Way  | Manurewa | N/A                                         | L1           | 395                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/06/2018 | 14356567 | 6494693  | 4/9 Balfour Rd     | Manurewa | N/A                                         | L1           | 252                       | Rubbish        | 35.5     | No                       | No                 | Yes         |
| 13/06/2018 | 14358734 | 6233119  | 111 Wordsworth Rd  | Manurewa | N/A                                         | L1           | 507                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 15/06/2018 | 14365371 | 6232574  | 34 Marr Rd         | Manurewa | N/A                                         | L1           | 47                        | Fat            | 10.5     | No                       | No                 | Yes         |
| 16/06/2018 | 14366705 | 6236563  | 121 Beaumonts Way  | Manurewa | N/A                                         | L1           | 150                       | Fat            | 11.5     | No                       | No                 | Yes         |
| 17/06/2018 | 14367414 | 6237427  | 78 Friedlanders Rd | Manurewa | N/A                                         | L1           | 283                       | Roots          | 0        | No                       | No                 | Yes         |
| 17/06/2018 | 14367473 | 50224000 | Ipukarea St        | Weymouth | N/A                                         | L1           | 193                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 20/06/2018 | 14377111 | 6237753  | 29 Beihlers Rd     | Weymouth | N/A                                         | L1           | 211                       | Rags           | 3.5      | No                       | No                 | Yes         |
| 25/06/2018 | 14389044 | 6232574  | 34 Marr Rd         | Manurewa | N/A                                         | L1           | 238                       | Surcharging    | 38       | No                       | No                 | Yes         |
| 26/06/2018 | 14392379 | 1586887  | 47 Coxhead Rd      | Manurewa | N/A                                         | L1           | 165                       | Fat            | 14       | No                       | No                 | Yes         |
| 30/06/2018 | 14402004 | 1584103  | 42 Russell Rd      | Manurewa | N/A                                         | L1           | 634                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 30/06/2018 | 14402266 | 6236563  | 121 Beaumonts Way  | Manurewa | N/A                                         | L1           | 103                       | Fat            | 0        | No                       | No                 | Yes         |

**Table 30: Overflows in the Oneroa Catchment Area**

There were no reported overflows in this catchment during the period of 2017-2018.

**Table 31: Overflows in the Beachlands Maraetai Catchment Area**

| Date       | SR #     | Compkey  | Address             | Suburb        | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|---------------------|---------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 5/07/2017  | 13620549 | 6464700  | 20 Okaroro Dr       | Beachlands    | N/A                                         | L1           | 240                       | Unknown        | 10.13    | No                       | No                 | Yes         |
| 17/07/2017 | 13641232 | 6201408  | 76 Maraetai Dr      | Maraetai      | N/A                                         | L1           | 204                       | Unknown        | 0        | No                       | No                 | Yes         |
| 27/07/2017 | 13662187 | 6202422  | 143 Second View Ave | Beachlands    | N/A                                         | L1           | 148                       | Fat            | 5.5      | No                       | No                 | Yes         |
| 6/08/2017  | 13678479 | 6202982  | 113 Third View Ave  | Beachlands    | N/A                                         | L1           | 160                       | Rubbish        | 3        | No                       | No                 | Yes         |
| 23/09/2017 | 13770021 | 7051107  | 14 Liberty Cres     | Beachlands    | N/A                                         | L1           | 128                       | Unknown        | 0.48     | No                       | No                 | Yes         |
| 1/12/2017  | 13914014 | 6249555  | 19 Hawke Cres       | Beachlands    | N/A                                         | L1           | 85                        | Roots          | 0        | No                       | No                 | Yes         |
| 17/12/2017 | 13950059 | 50231657 | 250 Jack Lachlan Dr | Beachlands    | N/A                                         | L1           | 74                        | Silts          | 0        | No                       | No                 | Yes         |
| 3/01/2018  | 13977402 | 50162307 | 19 Kibblewhite Ave  | Beachlands    | N/A                                         | L1           | 100                       | Roots          | 2        | No                       | No                 | Yes         |
| 28/01/2018 | 14032179 | 6018811  | 8 Sunkist Bay Rd    | Beachlands    | N/A                                         | L1           | 500                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14080523 | 6202480  | 8 Sunkist Bay Rd    | Beachlands    | N/A                                         | L1           | 149                       | Unknown        | 0        | No                       | No                 | Yes         |
| 13/03/2018 | 14136193 | 6203049  | 23 Cherry Rd        | Highland Park | N/A                                         | L1           | 76                        | Roots          | 3        | No                       | No                 | Yes         |
| 3/04/2018  | 14183035 | 6201428  | 119B Maraetai Dr    | Maraetai      | N/A                                         | L1           | 262                       | Fat            | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14184974 | 6201351  | 76 Maraetai Dr      | Maraetai      | N/A                                         | L1           | 117                       | Unknown        | 3        | No                       | No                 | Yes         |
| 14/04/2018 | 14211379 | 6202989  | 113 Third View Ave  | Beachlands    | N/A                                         | L1           | 106                       | Surcharging    | 84       | No                       | No                 | Yes         |
| 10/06/2018 | 14350548 | 6201261  | 26 Campbell Rd      | Maraetai      | N/A                                         | L1           | 322                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 14/06/2018 | 14362463 | 7108907  | 228 Jack Lachlan Dr | Beachlands    | N/A                                         | L1           | 148                       | Roots          | 1        | No                       | No                 | Yes         |

**Table 32: Overflows in the Clarks Beach Strategic Management Area**

| Date       | SR #     | Compkey  | Address            | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|-----------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 3/09/2017  | 13729485 | 10317532 | 41 Clarks Beach Rd | Pukekohe  | N/A                                         | L1           | 150                       | Unknown        | 0        | No                       | No                 | Yes         |
| 14/10/2017 | 13809870 | 23501923 | A/3 Ronald Ave     | Glenbrook | N/A                                         | L1           | 183                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 23/05/2018 | 14309227 | 23502230 | 41 Clarks Beach Rd | Pukekohe  | N/A                                         | L1           | 110                       | Fat            | 29       | No                       | No                 | Yes         |

**Table 33: Overflows in the Waiuku Strategic Management Area**

| Date       | SR #     | Compkey  | Address           | Suburb | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|--------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 15/07/2017 | 13638559 | 23502660 | 6 Racecourse Rd   | Waiuku | N/A                                         | L1           | 558                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/07/2017 | 13638898 | 23502756 | A/6 Racecourse Rd | Waiuku | N/A                                         | L1           | 151                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/07/2017 | 13663192 | 23502356 | 99 Sandspit Rd    | Waiuku | N/A                                         | L1           | 195                       | Rubbish        | 10       | No                       | No                 | Yes         |
| 31/07/2017 | 13668514 | 23502930 | 50 Victoria Ave   | Waiuku | N/A                                         | L1           | 92                        | Roots          | 0        | No                       | No                 | Yes         |
| 20/08/2017 | 13704565 | 23502922 | 36 Victoria Ave   | Waiuku | N/A                                         | L1           | 161                       | Fat            | 10       | No                       | No                 | Yes         |
| 6/09/2017  | 13736057 | 23502592 | A/37 Constable Rd | Waiuku | N/A                                         | L1           | 82                        | Broken Pipe    | 5        | No                       | No                 | Yes         |
| 28/09/2017 | 13778571 | 23502647 | 4 Owens Rd        | Waiuku | N/A                                         | L1           | 81                        | Fat            | 0        | No                       | No                 | Yes         |
| 30/09/2017 | 13783266 | 23502647 | 4 Owens Rd        | Waiuku | N/A                                         | L1           | 98                        | Fat            | 0.5      | No                       | No                 | Yes         |
| 5/10/2017  | 13792074 | 23502640 | 8 Kitchener Rd    | Waiuku | N/A                                         | L1           | 386                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 12/10/2017 | 13806716 | 23504571 | 27 Kendallvale Dr | Waiuku | N/A                                         | L1           | 189                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 25/11/2017 | 13897595 | 26122626 | 41 Kendallvale Dr | Waiuku | N/A                                         | L1           | 94                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915311 | 23502603 | 106 Racecourse Rd | Waiuku | N/A                                         | L1           | 535                       | Unknown        | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13935621 | 23504576 | 41 Kendallvale Dr | Waiuku | N/A                                         | L1           | 53                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 14/12/2017 | 13946075 | 23502525 | 2 Totara St       | Waiuku | N/A                                         | L1           | 48                        | Fat            | 10       | No                       | No                 | Yes         |
| 17/12/2017 | 13950020 | 23502251 | 22 Lina Pl        | Waiuku | N/A                                         | L1           | 560                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 26/12/2017 | 13967537 | 23502936 | 4 Stonehurst Ave  | Waiuku | N/A                                         | L1           | 117                       | Roots          | 4        | No                       | No                 | Yes         |
| 10/01/2018 | 13992746 | 23503313 | 34 Martyn St      | Waiuku | N/A                                         | L1           | 240                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14005409 | 23503313 | 34 Martyn St      | Waiuku | N/A                                         | L1           | 117                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 26/01/2018 | 14030386 | 23503319 | 35 Kitchener Rd   | Waiuku | N/A                                         | L1           | 506                       | Fat            | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060565 | 23502931 | 50 Victoria Ave   | Waiuku | N/A                                         | L1           | 485                       | Unknown        | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063498 | 26102280 | 14 Bella Villa Dr | Waiuku | N/A                                         | L1           | 372                       | Unknown        | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14128201 | 23502648 | 4 Owens Rd        | Waiuku | N/A                                         | L1           | 581                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/03/2018 | 14147092 | 23503081 | 14 Bella Villa Dr | Waiuku | N/A                                         | L1           | 150                       | Roots          | 0        | No                       | No                 | Yes         |
| 12/04/2018 | 14205613 | 23502251 | 22 Lina Pl        | Waiuku | N/A                                         | L1           | 461                       | Roots          | 7        | No                       | No                 | Yes         |
| 14/04/2018 | 14211607 | 23502544 | 4 Elm St          | Waiuku | N/A                                         | L1           | 126                       | Surcharging    | 39.5     | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address           | Suburb | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause   | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|--------|---------------------------------------------|--------------|---------------------------|---------|----------|--------------------------|--------------------|-------------|
| 21/04/2018 | 14229377 | 26121047 | 173 Colombo Rd    | Waiuku | N/A                                         | L1           | 433                       | Roots   | 8        | No                       | No                 | Yes         |
| 30/04/2018 | 14249779 | 23502946 | 14 Bella Villa Dr | Waiuku | N/A                                         | L1           | 301                       | Rubbish | 11.5     | No                       | No                 | Yes         |
| 17/05/2018 | 14292678 | 23502647 | 4 Owens Rd        | Waiuku | N/A                                         | L1           | 143                       | Fat     | 6        | No                       | No                 | Yes         |
| 29/06/2018 | 14400613 | 2514423  | 10 Bowen St       | Waiuku | N/A                                         | L1           | 334                       | Fat     | 0.5      | No                       | No                 | Yes         |

**Table 34: Overflows in the Pukekohe Strategic Management Area**

| Date       | SR #     | Compkey  | Address            | Suburb   | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|--------------------|----------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612263 | 23500347 | 15 London St       | Pukekohe | N/A                                         | L1           | 563                       | Unknown          | 8.5      | No                       | No                 | Yes         |
| 3/07/2017  | 13613907 | 23501242 | 50 Victoria Ave    | Waiuku   | N/A                                         | L1           | 160                       | Rubbish          | 9        | No                       | No                 | Yes         |
| 4/07/2017  | 13616172 | 23500598 | 76 Kayes Rd        | Pukekohe | N/A                                         | L1           | 242                       | Rubbish          | 2.59     | No                       | No                 | Yes         |
| 6/07/2017  | 13621632 | 23501470 | A/135 Edinburgh St | Pukekohe | N/A                                         | L1           | 131                       | Rubbish          | 12.44    | No                       | No                 | Yes         |
| 6/07/2017  | 13621802 | 23501950 | Buckland Rd        | Buckland | <1                                          | L3           | 46                        | Surcharging      | 12.44    | Yes                      | Yes                | Yes         |
| 7/07/2017  | 13625318 | 10317532 | 76 Kayes Rd        | Pukekohe | N/A                                         | L1           | 209                       | Rubbish          | 20.23    | No                       | No                 | Yes         |
| 14/07/2017 | 13636748 | 23501950 | Buckland Rd        | Buckland | N/A                                         | L1           | 95                        | Surcharging      | 2.59     | No                       | No                 | Yes         |
| 17/07/2017 | 13641385 | 23501556 | 130- Queen St      | Pukekohe | N/A                                         | L1           | 138                       | Rubbish          | 2.5      | No                       | No                 | Yes         |
| 24/07/2017 | 13654713 | 23501950 | Buckland Rd        | Buckland | <1                                          | L3           | 34                        | Surcharging      | 3        | Yes                      | Yes                | Yes         |
| 26/07/2017 | 13658359 | 23501950 | Buckland Rd        | Buckland | N/A                                         | L1           | 58                        | Surcharging      | 1        | No                       | No                 | Yes         |
| 28/07/2017 | 13664295 | 23501950 | Buckland Rd        | Buckland | N/A                                         | L1           | 83                        | Surcharging      | 10       | No                       | No                 | Yes         |
| 29/07/2017 | 13665192 | 23500764 | 2 Eastside Dr      | Pukekohe | N/A                                         | L1           | 215                       | Roots            | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677254 | 23501763 | 6 Lieshout Way     | Pukekohe | N/A                                         | L1           | 300                       | Unknown          | 0        | No                       | No                 | Yes         |
| 9/08/2017  | 13684766 | 23501950 | Buckland Rd        | Buckland | <1                                          | L3           | 90                        | Surcharging      | 24.22    | Yes                      | Yes                | Yes         |
| 9/08/2017  | 13685472 | 10317532 | 20 Lawrie Ave      | Pukekohe | N/A                                         | L1           | 148                       | 3rd party damage | 24.22    | No                       | No                 | Yes         |
| 11/08/2017 | 13690134 | 23501086 | 1/49 Cooper St     | Pukekohe | N/A                                         | L1           | 96                        | Fat              | 5.27     | No                       | No                 | Yes         |
| 12/08/2017 | 13690718 | 23501165 | 90 Victoria St     | Pukekohe | N/A                                         | L1           | 115                       | Fat              | 1.05     | No                       | No                 | Yes         |
| 13/08/2017 | 13690964 | 23501763 | 6 Lieshout Way     | Pukekohe | N/A                                         | L1           | 137                       | Rubbish          | 11.58    | No                       | No                 | Yes         |
| 14/08/2017 | 13692143 | 23500775 | Eastside Dr        | Pukekohe | N/A                                         | L1           | 207                       | Surcharging      | 7.38     | No                       | No                 | Yes         |
| 20/08/2017 | 13704249 | 23503983 | 86 Helvetia Rd     | Pukekohe | N/A                                         | L1           | 51                        | Unknown          | 10       | No                       | No                 | Yes         |
| 21/08/2017 | 13706859 | 23501950 | Buckland Rd        | Buckland | <1                                          | L3           | 59                        | Surcharging      | 5        | Yes                      | Yes                | Yes         |
| 29/08/2017 | 13720088 | 23501950 | Buckland Rd        | Buckland | N/A                                         | L1           | 230                       | Surcharging      | 0.5      | No                       | No                 | Yes         |
| 29/08/2017 | 13720293 | 23501453 | 43 Subway Rd       | Pukekohe | N/A                                         | L1           | 193                       | Foreign Object   | 0.5      | No                       | No                 | Yes         |
| 30/08/2017 | 13723473 | 23501950 | Buckland Rd        | Buckland | N/A                                         | L3           | 17                        | Surcharging      | 16.5     | No                       | No                 | Yes         |
| 31/08/2017 | 13724980 | 23501165 | 90 Victoria St     | Pukekohe | N/A                                         | L1           | 123                       | Unknown          | 3        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address              | Suburb   | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|----------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 5/09/2017  | 13734777 | 23501164 | 5 Lynley Tce         | Pukekohe | N/A                                         | L1           | 125                       | Fat              | 1.5      | No                       | No                 | Yes         |
| 6/09/2017  | 13735508 | 23501950 | Buckland Rd          | Buckland | <1                                          | L3           | 10                        | Surcharging      | 5        | Yes                      | Yes                | Yes         |
| 11/09/2017 | 13743931 | 23501950 | Buckland Rd          | Buckland | <1                                          | L3           | 52                        | Surcharging      | 4.5      | Yes                      | Yes                | Yes         |
| 11/09/2017 | 13745244 | 23501615 | 241 Victoria St St-W | Pukekohe | N/A                                         | L1           | 98                        | Rubbish          | 4.5      | No                       | No                 | Yes         |
| 15/09/2017 | 13755950 | 23500781 | 12 Eastside Dr       | Pukekohe | N/A                                         | L1           | 169                       | Rubbish          | 15.5     | No                       | No                 | Yes         |
| 15/09/2017 | 13755386 | 23501165 | 90 Victoria St       | Pukekohe | N/A                                         | L1           | 194                       | 3rd party damage | 15.5     | No                       | No                 | Yes         |
| 20/09/2017 | 13763726 | 23501950 | Buckland Rd          | Buckland | -                                           | L3           | 60                        | Surcharging      | 0        | Yes                      | Yes                | Yes         |
| 29/09/2017 | 13782836 | 23500835 | 10 Russell Ave       | Pukekohe | N/A                                         | L1           | 167                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 2/10/2017  | 13786581 | 10317532 | 91 Seddon St         | Pukekohe | N/A                                         | L1           | 125                       | Unknown          | 4.5      | No                       | No                 | Yes         |
| 9/10/2017  | 13798181 | 23501950 | Buckland Rd          | Buckland | -                                           | L3           | 22                        | Surcharging      | 1.5      | Yes                      | Yes                | Yes         |
| 9/10/2017  | 13798810 | 23500445 | Holland St           | Pukekohe | N/A                                         | L1           | 81                        | Fat              | 1.5      | No                       | No                 | Yes         |
| 17/10/2017 | 13813749 | 23501584 | 96 Harris St         | Pukekohe | N/A                                         | L1           | 300                       | Surcharging      | 0.5      | No                       | No                 | Yes         |
| 18/10/2017 | 13816217 | 23500974 | 91 Seddon St         | Pukekohe | N/A                                         | L1           | 64                        | Unknown          | 0.5      | No                       | No                 | Yes         |
| 19/10/2017 | 13818929 | 23501950 | Buckland Rd          | Buckland | -                                           | L3           | 7                         | Surcharging      | 0        | Yes                      | Yes                | Yes         |
| 24/10/2017 | 13826417 | 23501950 | Buckland Rd          | Buckland | <1                                          | L3           | 656                       | Surcharging      | 1.5      | Yes                      | Yes                | Yes         |
| 30/10/2017 | 13837223 | 23501950 | Buckland Rd          | Buckland | N/A                                         | L1           | 23                        | Surcharging      | 1.5      | No                       | No                 | Yes         |
| 7/11/2017  | 13856349 | 23501950 | Buckland Rd          | Buckland | <1                                          | L3           | 96                        | Surcharging      | 0        | Yes                      | Yes                | Yes         |
| 8/11/2017  | 13858342 | 23501774 | 172 Kitchener Rd     | Pukekohe | N/A                                         | L1           | 587                       | Unknown          | 13.5     | No                       | No                 | Yes         |
| 9/11/2017  | 13860123 | 23500382 | 4 Frank Hewitt St    | Pukekohe | N/A                                         | L1           | 125                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 13/11/2017 | 13864734 | 23500382 | 4 Frank Hewitt St    | Pukekohe | N/A                                         | L1           | 127                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13883626 | 23500792 | 7 Valley Fields Pl   | Pukekohe | N/A                                         | L1           | 118                       | Fat              | 2.5      | No                       | No                 | Yes         |
| 24/11/2017 | 13896740 | 26100553 | 11 Max Short Dr      | Pukekohe | N/A                                         | L1           | 106                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 2/12/2017  | 13915525 | 23501349 | 36 Victoria Ave      | Waiuku   | N/A                                         | L1           | 219                       | Unknown          | 0        | No                       | No                 | Yes         |
| 5/12/2017  | 13920554 | 23500992 | 80 Wellington St     | Pukekohe | N/A                                         | L1           | 117                       | Fat              | 0        | No                       | No                 | Yes         |
| 6/12/2017  | 13923776 | 23504063 | 186 Queen St         | Pukekohe | N/A                                         | L1           | 172                       | Fat              | 5.5      | No                       | No                 | Yes         |
| 13/12/2017 | 13940640 | 23501164 | 3 Lynley Tce         | Pukekohe | N/A                                         | L1           | 171                       | Roots            | 0        | No                       | No                 | Yes         |
| 21/12/2017 | 13961236 | 23501265 | Station Rd           | Pukekohe | N/A                                         | L1           | 207                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 22/12/2017 | 13964426 | 23501950 | Buckland Rd          | Buckland | -                                           | L3           | 7                         | Surcharging      | 0.5      | Yes                      | Yes                | Yes         |



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| Date       | SR #     | Compkey  | Address              | Suburb   | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|----------------------|----------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 30/12/2017 | 13974408 | 26100177 | 6 Holland St         | Pukekohe | N/A                                         | L1           | 609                       | Fat            | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13984263 | 26120265 | 9 Waynes Pl          | Pukekohe | N/A                                         | L1           | 53                        | Unknown        | 0        | No                       | No                 | Yes         |
| 10/01/2018 | 13991549 | 23501349 | 36 Victoria Ave      | Waiuku   | N/A                                         | L1           | 189                       | Fat            | 0        | No                       | No                 | Yes         |
| 12/01/2018 | 13999209 | 23500005 | B/153 Edinburgh St   | Pukekohe | N/A                                         | L1           | 421                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000432 | 23504352 | 6 Bledisloe Crt      | Pukekohe | N/A                                         | L1           | 215                       | Unknown        | 0        | No                       | No                 | Yes         |
| 15/01/2018 | 14001656 | 23501257 | 18 Totara Ave        | Pukekohe | N/A                                         | L1           | 393                       | Roots          | 0        | No                       | No                 | Yes         |
| 18/01/2018 | 14012548 | 26115502 | 45 Edinburgh St      | Pukekohe | N/A                                         | L1           | 104                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14020654 | 23504290 | 3 Ranchod Tce        | Pukekohe | N/A                                         | L1           | 118                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 23/01/2018 | 14021931 | 23504198 | 9 Ludlow Pl          | Pukekohe | N/A                                         | L1           | 641                       | Unknown        | 0        | No                       | No                 | Yes         |
| 24/01/2018 | 14025209 | 23501555 | 2/146 Queen St       | Pukekohe | N/A                                         | L1           | 88                        | Unknown        | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14045879 | 23501734 | East St              | Pukekohe | N/A                                         | L1           | 463                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 6/02/2018  | 14050858 | 23501554 | 129 Queen St         | Pukekohe | N/A                                         | L1           | 230                       | Unknown        | 0        | No                       | No                 | Yes         |
| 10/02/2018 | 14060310 | 26100177 | 6 Holland St         | Pukekohe | N/A                                         | L1           | 225                       | Unknown        | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14067582 | 26100177 | 6 Holland St         | Pukekohe | N/A                                         | L1           | 263                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 26/02/2018 | 14097972 | 26101690 | 501 Buckland Rd      | Buckland | N/A                                         | L1           | 245                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 28/02/2018 | 14102623 | 23500301 | 82A John St          | Pukekohe | N/A                                         | L1           | 258                       | Rags           | 0        | No                       | No                 | Yes         |
| 2/03/2018  | 14109937 | 26125952 | 42 Anselmi Ridge Rd  | Pukekohe | N/A                                         | L1           | 81                        | Rubbish        | 0.5      | No                       | No                 | Yes         |
| 5/03/2018  | 14112789 | 23502267 | 7 Henry Lane         | Pukekohe | N/A                                         | L1           | 493                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14130143 | 50301422 | 3 Stile Pl           | Pukekohe | N/A                                         | L1           | 252                       | Unknown        | 0        | No                       | No                 | Yes         |
| 22/03/2018 | 14159018 | 23501596 | C/99 West St         | Pukekohe | N/A                                         | L1           | 450                       | Rubbish        | 1        | No                       | No                 | Yes         |
| 30/03/2018 | 14178502 | 23500144 | 17 Stockyard Cres    | Pukekohe | N/A                                         | L1           | 309                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 13/04/2018 | 14208722 | 2500876  | 304 Upper Queen St   | Pukekohe | N/A                                         | L1           | 441                       | Rubbish        | 8.5      | No                       | No                 | Yes         |
| 13/04/2018 | 14210568 | 23501160 | A/302 Upper Queen St | Pukekohe | N/A                                         | L1           | 312                       | Roots          | 8.5      | No                       | No                 | Yes         |
| 21/04/2018 | 14229411 | 50301418 | 3 Stile Pl           | Pukekohe | N/A                                         | L1           | 539                       | Fat            | 8        | No                       | No                 | Yes         |
| 13/05/2018 | 14281704 | 23500158 | 9 Bale Way           | Pukekohe | N/A                                         | L1           | 169                       | Unknown        | 10       | No                       | No                 | Yes         |
| 27/05/2018 | 14318856 | 23500369 | 66 Birdwood Rd       | Pukekohe | N/A                                         | L1           | 186                       | Rubbish        | 10       | No                       | No                 | Yes         |
| 27/05/2018 | 14318947 | 23500161 | 9 Bale Way           | Pukekohe | N/A                                         | L1           | 204                       | Unknown        | 10       | No                       | No                 | Yes         |
| 2/06/2018  | 14334425 | 23501804 | 11 Birch Rd          | Pukekohe | N/A                                         | L1           | 467                       | Fat            | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address           | Suburb   | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------|----------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 11/06/2018 | 14353689 | 23500610 | 2/54 Prospect Tce | Pukekohe | N/A                                         | L1           | 219                       | Rubbish     | 11.5     | No                       | No                 | Yes         |
| 13/06/2018 | 14357584 | 23500765 | 2 Eastside Dr     | Pukekohe | N/A                                         | L1           | 227                       | Surcharging | 4.5      | No                       | No                 | Yes         |
| 18/06/2018 | 14369946 | 23500103 | 9 Harris St       | Pukekohe | N/A                                         | L1           | 302                       | Fat         | 1        | No                       | No                 | Yes         |
| 23/06/2018 | 14384109 | 23500590 | 66 Prospect Tce   | Pukekohe | N/A                                         | L1           | 350                       | Roots       | 1        | No                       | No                 | Yes         |
| 27/06/2018 | 14393792 | 2501425  | 15 Lieshout Way   | Pukekohe | N/A                                         | L1           | 79                        | Rubbish     | 0        | No                       | No                 | Yes         |

**Table 35: Overflows in the Kumeu/Huapai/Riverhead Strategic Management Area**

| Date       | SR #     | Compkey  | Address               | Suburb    | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause       | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-----------------------|-----------|---------------------------------------------|--------------|---------------------------|-------------|----------|--------------------------|--------------------|-------------|
| 5/07/2017  | 13619675 | 50213682 | Raymond Grace Ave     | Huapai    | N/A                                         | L1           | 508                       | Unknown     | 7.4      | No                       | No                 | Yes         |
| 10/07/2017 | 13628912 | 10317531 | 5 Kuawa Dr            | Huapai    | 6                                           | L2           | 344                       | Broken pipe | 3.4      | No                       | No                 | Yes         |
| 2/09/2017  | 13728668 | 50163510 | 22 Larmer Dr          | Huapai    | N/A                                         | L1           | 111                       | Surcharging | 23.97    | No                       | No                 | Yes         |
| 8/09/2017  | 13741636 | 50055141 | 1 Hooton Dr           | Huapai    | N/A                                         | L1           | 294                       | Unknown     | 0.38     | No                       | No                 | Yes         |
| 24/03/2018 | 14165046 | 50060310 | 67 Kaipara Portage Rd | Riverhead | N/A                                         | L1           | 409                       | Broken pipe | 34.2     | No                       | No                 | Yes         |
| 3/06/2018  | 14335426 | 50060213 | 3 Kent St             | Riverhead | N/A                                         | L1           | 5                         | Broken pipe | 33.8     | No                       | No                 | Yes         |

**Table 36: Overflows in the Western Isthmus (Central Interceptor) Strategic Management Area**

| Date       | SR #     | Compkey | Address             | Suburb          | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|---------------------|-----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/07/2017  | 13612465 | 8803485 | 1-2/5 Louvain Ave   | Three Kings     | N/A                                         | L1           | 77                        | Unknown        | 9        | No                       | No                 | Yes         |
| 3/07/2017  | 13614091 | 8985955 | 6/26 Seaview Tce    | Mt Albert       | N/A                                         | L1           | 524                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13614261 | 8992113 | 14 Nash Rd          | Mt Roskill      | N/A                                         | L1           | 375                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/07/2017  | 13613498 | 8986418 | 32 Landscape Rd     | Mt Eden         | N/A                                         | L1           | 66                        | Roots          | 0        | No                       | No                 | Yes         |
| 5/07/2017  | 13619801 | 8987987 | 17 Ivanhoe Rd       | Grey Lynn       | N/A                                         | L1           | 746                       | Fat            | 5.94     | No                       | No                 | Yes         |
| 6/07/2017  | 13622633 | 8985853 | 50 Allendale Rd     | Mt Albert       | N/A                                         | L1           | 285                       | Roots          | 42.16    | No                       | No                 | Yes         |
| 7/07/2017  | 13624959 | 9005878 | 5A Marconi Pl       | New Windsor     | N/A                                         | L1           | 270                       | Surcharging    | 6.49     | No                       | No                 | Yes         |
| 7/07/2017  | 13625020 | 8991308 | 59 Stamford Park Rd | Mt Roskill      | N/A                                         | L1           | 177                       | Surcharging    | 6.49     | No                       | No                 | Yes         |
| 7/07/2017  | 13625164 | 8993485 | 131 Owairaka Ave    | Owairaka        | N/A                                         | L1           | 269                       | Fat            | 6.49     | No                       | No                 | Yes         |
| 8/07/2017  | 13625669 | 8786989 | 11A Donegal St      | Avondale        | N/A                                         | L1           | 251                       | Surcharging    | 8.65     | No                       | No                 | Yes         |
| 8/07/2017  | 13625798 | 9006251 | 10 Barkses Pl       | Mt Roskill      | N/A                                         | L1           | 301                       | Unknown        | 8.65     | No                       | No                 | Yes         |
| 8/07/2017  | 13625910 | 9006848 | 24 Exminster St     | Blockhouse Bay  | N/A                                         | L1           | 208                       | Unknown        | 8.65     | No                       | No                 | Yes         |
| 8/07/2017  | 13625975 | 8803350 | 32 Fearon Ave       | Three Kings     | N/A                                         | L1           | 182                       | Unknown        | 8.65     | No                       | No                 | Yes         |
| 8/07/2017  | 13626017 | 9006929 | 26 Windermere Cres  | Blockhouse Bay  | N/A                                         | L1           | 32                        | Roots          | 8.65     | No                       | No                 | Yes         |
| 9/07/2017  | 13626275 | 9037844 | 2/413 Richardson Rd | Mt Roskill      | N/A                                         | L1           | 218                       | Fat            | 13.51    | No                       | No                 | Yes         |
| 10/07/2017 | 13628189 | 9172567 | 101 Carrington Rd   | Mt Albert       | N/A                                         | L1           | 252                       | Rubbish        | 1.08     | No                       | No                 | Yes         |
| 11/07/2017 | 13630554 | 9005878 | 5A Marconi Pl       | New Windsor     | N/A                                         | L1           | 168                       | Roots          | 3.24     | No                       | No                 | Yes         |
| 12/07/2017 | 13632037 | 9226188 | 42 Cardigan St      | Western Springs | N/A                                         | L1           | 219                       | Foreign Object | 6.49     | No                       | No                 | Yes         |
| 12/07/2017 | 13632513 | 8985955 | 6/26 Seaview Tce    | Mt Albert       | N/A                                         | L1           | 66                        | Broken pipe    | 6.49     | No                       | No                 | Yes         |
| 12/07/2017 | 13632797 | 8819647 | 985 Mt Eden Rd      | Three Kings     | N/A                                         | L1           | 346                       | Unknown        | 6.49     | No                       | No                 | Yes         |
| 12/07/2017 | 13633554 | 9249551 | 86 Ivanhoe Rd       | Grey Lynn       | -                                           | L2           | 226                       | Fat            | 6.49     | No                       | No                 | Yes         |
| 13/07/2017 | 13635762 | 8786945 | 1/59 New Windsor Rd | New Windsor     | N/A                                         | L1           | 236                       | Broken pipe    | 9.19     | No                       | No                 | Yes         |
| 14/07/2017 | 13636365 | 8982657 | 33 Milton Rd        | Mt Eden         | N/A                                         | L1           | 104                       | Broken Pipe    | 1.62     | No                       | No                 | Yes         |
| 14/07/2017 | 13636807 | 8988563 | 3/27 Cardigan St    | Western Springs | -                                           | L2           | 104                       | Rubbish        | 1.62     | No                       | No                 | Yes         |
| 17/07/2017 | 13639851 | 8992057 | 39A Arundel St      | Hillsborough    | N/A                                         | L1           | 99                        | Rubbish        | 3.5      | No                       | No                 | Yes         |
| 20/07/2017 | 13648400 | 8963491 | 1/59 New Windsor Rd | New Windsor     | N/A                                         | L1           | 578                       | Fat            | 16       | No                       | No                 | Yes         |

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|------------|----------|---------|-----------------------|--------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 21/07/2017 | 13651051 | 8964892 | 25B Beatrix St        | Avondale     | N/A                                         | L1           | 496                       | Surcharging      | 18.5     | No                       | No                 | Yes         |
| 22/07/2017 | 13652499 | 9225757 | 97 Carrington Rd      | Mt Albert    | N/A                                         | L1           | 435                       | Roots            | 15       | No                       | No                 | Yes         |
| 22/07/2017 | 13652574 | 8985813 | 26A Lloyd Ave         | Mt Albert    | N/A                                         | L1           | 259                       | Unknown          | 15       | No                       | No                 | Yes         |
| 23/07/2017 | 13652780 | 8985825 | 19 Lloyd Ave          | Mt Albert    | N/A                                         | L1           | 622                       | Unknown          | 1        | No                       | No                 | Yes         |
| 24/07/2017 | 13654092 | 8983302 | 8 Thanet Ave          | Sandringham  | N/A                                         | L1           | 78                        | Foreign Object   | 2        | No                       | No                 | Yes         |
| 26/07/2017 | 13659582 | 8984393 | 1/26 Haig Ave         | Three Kings  | N/A                                         | L1           | 271                       | Rubbish          | 0.5      | No                       | No                 | Yes         |
| 27/07/2017 | 13662091 | 8990917 | 74 Olsen Ave          | Hillsborough | -                                           | L2           | 101                       | Surcharging      | 9        | No                       | No                 | Yes         |
| 28/07/2017 | 13663337 | 8983888 | 79 Calgary St         | Balmoral     | N/A                                         | L1           | 105                       | Rubbish          | 8        | No                       | No                 | Yes         |
| 29/07/2017 | 13665345 | 8992331 | 9 Tory St             | Mt Roskill   | N/A                                         | L1           | 594                       | Unknown          | 0        | No                       | No                 | Yes         |
| 30/07/2017 | 13665766 | 8986099 | 1/144 St Andrews Rd   | Epsom        | N/A                                         | L1           | 332                       | Roots            | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13666801 | 8993448 | 41 Grande Ave         | Mt Albert    | N/A                                         | L1           | 146                       | Unknown          | 0        | No                       | No                 | Yes         |
| 31/07/2017 | 13668356 | 9006456 | 35 Mulgan St          | New Windsor  | N/A                                         | L1           | 80                        | Roots            | 0        | No                       | No                 | Yes         |
| 2/08/2017  | 13672119 | 9007614 | 324 Blockhouse Bay Rd | Avondale     | N/A                                         | L1           | 240                       | Surcharging      | 10.5     | No                       | No                 | Yes         |
| 3/08/2017  | 13675073 | 8965985 | 173 Mt Eden Rd        | Mt Eden      | N/A                                         | L1           | 427                       | Unknown          | 0.5      | No                       | No                 | Yes         |
| 4/08/2017  | 13676402 | 9225481 | 454 Great North Rd    | Grey Lynn    | N/A                                         | L1           | 87                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 4/08/2017  | 13677396 | 8991304 | 151 Melrose Rd        | Mt Roskill   | N/A                                         | L1           | 157                       | Fat              | 0        | No                       | No                 | Yes         |
| 6/08/2017  | 13678484 | 8984757 | 5 Linwood Ave         | Mt Albert    | N/A                                         | L1           | 153                       | Roots            | 1        | No                       | No                 | Yes         |
| 6/08/2017  | 13678798 | 8803314 | 62A Parau St          | Three Kings  | N/A                                         | L1           | 9                         | Unknown          | 1        | No                       | No                 | Yes         |
| 7/08/2017  | 13680737 | 8992370 | 48A Stoddard Rd       | Mt Roskill   | N/A                                         | L1           | 129                       | Fat              | 0        | No                       | No                 | Yes         |
| 8/08/2017  | 13681920 | 8984018 | 62A Parau St          | Three Kings  | N/A                                         | L1           | 143                       | Unknown          | 3        | No                       | No                 | Yes         |
| 8/08/2017  | 13681969 | 8985371 | 30 Euston Rd          | Sandringham  | N/A                                         | L1           | 126                       | Broken pipe      | 3        | No                       | No                 | Yes         |
| 9/08/2017  | 13684402 | 9006360 | 4 Kimber Hall Ave     | Mt Roskill   | N/A                                         | L1           | 230                       | 3rd party damage | 14.5     | No                       | No                 | Yes         |
| 9/08/2017  | 13685404 | 8963840 | St Jude St            | Avondale     | N/A                                         | L1           | 500                       | Unknown          | 14.5     | No                       | No                 | Yes         |
| 9/08/2017  | 13685760 | 8991995 | 4 O'Donnell Ave       | Owairaka     | N/A                                         | L1           | 162                       | Broken pipe      | 14.5     | No                       | No                 | Yes         |
| 13/08/2017 | 13691125 | 8993452 | 5A Eden View Rd       | Sandringham  | N/A                                         | L1           | 86                        | Unknown          | 10.5     | No                       | No                 | Yes         |
| 14/08/2017 | 13692040 | 8811663 | 1521A Great North Rd  | Waterview    | N/A                                         | L1           | 114                       | Unknown          | 5.5      | No                       | No                 | Yes         |
| 14/08/2017 | 13692116 | 8990698 | 35 Victoria St        | Onehunga     | N/A                                         | L1           | 285                       | Foreign Object   | 5.5      | No                       | No                 | Yes         |
| 14/08/2017 | 13693835 | 9224535 | 1/25 Montrose St      | Pt Chevalier | N/A                                         | L1           | 125                       | Foreign Object   | 5.5      | No                       | No                 | Yes         |

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|------------|----------|---------|----------------------|--------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 14/08/2017 | 13693851 | 8985185 | 16 Amandale Ave      | St Lukes     | N/A                                         | L1           | 200                       | Fat              | 5.5      | No                       | No                 | Yes         |
| 15/08/2017 | 13694944 | 9007795 | 82 Wolverton St      | Avondale     | N/A                                         | L1           | 511                       | Broken pipe      | 4.5      | No                       | No                 | Yes         |
| 15/08/2017 | 13695699 | 8963765 | 16 Crayford St       | Avondale     | N/A                                         | L1           | 411                       | Broken pipe      | 4.5      | No                       | No                 | Yes         |
| 15/08/2017 | 13696746 | 8983221 | 10 Morningside Dr    | Morningside  | N/A                                         | L1           | 151                       | Unknown          | 4.5      | No                       | No                 | Yes         |
| 16/08/2017 | 13698735 | 8822331 | 83 Kimber Hall Ave   | Mt Roskill   | N/A                                         | L1           | 92                        | Roots            | 0        | No                       | No                 | Yes         |
| 18/08/2017 | 13703298 | 8993421 | 73 Owairaka Ave      | Owairaka     | N/A                                         | L1           | 305                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 21/08/2017 | 13705104 | 8983452 | 5A Eden View Rd      | Sandringham  | N/A                                         | L1           | 161                       | Roots            | 1        | No                       | No                 | Yes         |
| 21/08/2017 | 13707029 | 8963840 | 18 St Jude St        | Avondale     | N/A                                         | L1           | 227                       | Broken pipe      | 1        | No                       | No                 | Yes         |
| 22/08/2017 | 13708169 | 8982564 | 24A Marsden Ave      | Balmoral     | N/A                                         | L1           | 358                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708543 | 9007789 | 4/57 Wolverton St    | Avondale     | N/A                                         | L1           | 551                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 22/08/2017 | 13708882 | 9249733 | 46A Roseman Ave      | Mt Roskill   | -                                           | L2           | 599                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13710532 | 9005567 | 6 Nirvana Way        | Mt Roskill   | N/A                                         | L1           | 126                       | Fat              | 0        | No                       | No                 | Yes         |
| 23/08/2017 | 13711630 | 8822512 | 4 Kimber Hall Ave    | Mt Roskill   | N/A                                         | L1           | 53                        | 3rd party damage | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715737 | 8983452 | 5A Eden View Rd      | Sandringham  | N/A                                         | L1           | 348                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 25/08/2017 | 13715915 | 9006360 | 4 Kimber Hall Ave    | Mt Roskill   | N/A                                         | L1           | 216                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 26/08/2017 | 13716378 | 9225886 | 239 Meola Rd         | Pt Chevalier | N/A                                         | L1           | 191                       | Roots            | 0        | No                       | No                 | Yes         |
| 27/08/2017 | 13716887 | 9006081 | 13 Linden St         | Mt Roskill   | N/A                                         | L1           | 591                       | Unknown          | 4.5      | No                       | No                 | Yes         |
| 27/08/2017 | 13717027 | 8983922 | 25 Parau St          | Three Kings  | N/A                                         | L1           | 127                       | Roots            | 4.5      | No                       | No                 | Yes         |
| 28/08/2017 | 13717569 | 8991348 | 53A Stamford Park Rd | Mt Roskill   | N/A                                         | L1           | 73                        | Fat              | 10       | No                       | No                 | Yes         |
| 28/08/2017 | 13718957 | 8964596 | 2165 Great North Rd  | Avondale     | N/A                                         | L1           | 251                       | Silt             | 10       | No                       | No                 | Yes         |
| 29/08/2017 | 13721440 | 8988213 | 15 Kingsland Tce     | Kingsland    | N/A                                         | L1           | 211                       | Roots            | 0        | No                       | No                 | Yes         |
| 30/08/2017 | 13722492 | 9226095 | 584 Great North Rd   | Grey Lynn    | N/A                                         | L1           | 196                       | Foreign Object   | 20.5     | No                       | No                 | Yes         |
| 30/08/2017 | 13722686 | 8992360 | 95-97 May Rd         | Mt Roskill   | N/A                                         | L1           | 113                       | Fat              | 20.5     | No                       | No                 | Yes         |
| 31/08/2017 | 13725864 | 9224553 | 14 Lynch St          | Pt Chevalier | N/A                                         | L1           | 211                       | Unknown          | 8.5      | No                       | No                 | Yes         |
| 1/09/2017  | 13726575 | 9006360 | 4 Kimber Hall Ave    | Mt Roskill   | N/A                                         | L1           | 144                       | 3rd party damage | 0.5      | No                       | No                 | Yes         |
| 2/09/2017  | 13728744 | 9224257 | 11A Donegal St       | Avondale     | N/A                                         | L1           | 190                       | Rubbish          | 18       | No                       | No                 | Yes         |
| 3/09/2017  | 13729241 | 8983283 | 36 Rossmay Tce       | Kingsland    | N/A                                         | L1           | 463                       | Rags             | 0        | No                       | No                 | Yes         |
| 4/09/2017  | 13730521 | 8982909 | 46 Springwood Pl     | Balmoral     | N/A                                         | L1           | 161                       | Roots            | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|------------------------|----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 5/09/2017  | 13734797 | 9226273 | 1/30 Upper Queen St    | Newton         | N/A                                         | L1           | 347                       | Broken Pipe      | 0.5      | No                       | No                 | Yes         |
| 6/09/2017  | 13736437 | 8964432 | 25 Alanbrooke Cres     | Avondale       | N/A                                         | L1           | 511                       | Broken Pipe      | 11       | No                       | No                 | Yes         |
| 6/09/2017  | 13737105 | 8822330 | 103 White Swan Rd      | Mt Roskill     | N/A                                         | L1           | 383                       | Surcharging      | 11       | No                       | No                 | Yes         |
| 10/09/2017 | 13742473 | 8822330 | 103 White Swan Rd      | Mt Roskill     | N/A                                         | L1           | 203                       | Surcharging      | 6        | No                       | No                 | Yes         |
| 10/09/2017 | 13742537 | 8803538 | 29 Rossmay Tce         | Kingsland      | N/A                                         | L1           | 116                       | Unknown          | 6        | No                       | No                 | Yes         |
| 10/09/2017 | 13742695 | 8963763 | 2/73 Blockhouse Bay Rd | Avondale       | N/A                                         | L1           | 87                        | Unknown          | 6        | No                       | No                 | Yes         |
| 12/09/2017 | 13747714 | 9005093 | 103 White Swan Rd      | Mt Roskill     | N/A                                         | L1           | 250                       | Surcharging      | 3        | No                       | No                 | Yes         |
| 14/09/2017 | 13751194 | 8963765 | 16 Crayford St         | Avondale       | N/A                                         | L1           | 436                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 15/09/2017 | 13755129 | 9006360 | 4 Kimber Hall Ave      | Mt Roskill     | N/A                                         | L1           | 574                       | 3rd party damage | 7        | No                       | No                 | Yes         |
| 16/09/2017 | 13756546 | 8963840 | 15 Crayford St         | Avondale       | N/A                                         | L1           | 244                       | Unknown          | 3        | No                       | No                 | Yes         |
| 16/09/2017 | 13756676 | 8963840 | 18 St Jude St          | Avondale       | N/A                                         | L1           | 93                        | Unknown          | 3        | No                       | No                 | Yes         |
| 16/09/2017 | 13756319 | 8822330 | 103 White Swan Rd      | Mt Roskill     | N/A                                         | L1           | 90                        | Surcharging      | 3        | No                       | No                 | Yes         |
| 16/09/2017 | 13756685 | 8810030 | 3 Milliken Ave         | Mt Roskill     | N/A                                         | L1           | 367                       | Unknown          | 3        | No                       | No                 | Yes         |
| 17/09/2017 | 13757142 | 8964456 | 11A Donegal St         | Avondale       | N/A                                         | L1           | 199                       | Broken Pipe      | 8.5      | No                       | No                 | Yes         |
| 17/09/2017 | 13756975 | 8982535 | 1/115A Landscape Rd    | Mt Eden        | N/A                                         | L1           | 437                       | Unknown          | 8.5      | No                       | No                 | Yes         |
| 17/09/2017 | 13756977 | 9006360 | 4 Kimber Hall Ave      | Mt Roskill     | N/A                                         | L1           | 336                       | 3rd party damage | 8.5      | No                       | No                 | Yes         |
| 18/09/2017 | 13758873 | 9007814 | 6/4 Taylor St          | Blockhouse Bay | N/A                                         | L1           | 618                       | Unknown          | 9.5      | No                       | No                 | Yes         |
| 19/09/2017 | 13761096 | 9006360 | 4 Kimber Hall Ave      | Mt Roskill     | N/A                                         | L1           | 82                        | 3rd party damage | 3        | No                       | No                 | Yes         |
| 20/09/2017 | 13764713 | 9224257 | 11A Donegal St         | Avondale       | N/A                                         | L1           | 185                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 25/09/2017 | 13772818 | 8787272 | 35 Alanbrooke Cres     | Avondale       | N/A                                         | L1           | 199                       | Broken Pipe      | 0        | No                       | No                 | Yes         |
| 26/09/2017 | 13775677 | 8967011 | 42 Harbour View Rd     | Pt Chevalier   | N/A                                         | L1           | 118                       | Broken pipe      | 8        | No                       | No                 | Yes         |
| 26/09/2017 | 13774620 | 8984701 | 4 Parkhill Rd          | St Lukes       | N/A                                         | L1           | 71                        | Broken pipe      | 8        | No                       | No                 | Yes         |
| 26/09/2017 | 13774636 | 8985240 | 2/30 Fergusson Ave     | Sandringham    | N/A                                         | L1           | 259                       | Roots            | 8        | No                       | No                 | Yes         |
| 27/09/2017 | 13776511 | 8988399 | 13 Morningside Dr      | St Lukes       | N/A                                         | L1           | 163                       | Fat              | 0.5      | No                       | No                 | Yes         |
| 28/09/2017 | 13779901 | 8803397 | 13 Keystone Ave        | Three Kings    | N/A                                         | L1           | 175                       | Unknown          | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13782448 | 9051143 | 528 Pt Chevalier Rd    | Pt Chevalier   | N/A                                         | L1           | 256                       | Fat              | 0        | No                       | No                 | Yes         |
| 29/09/2017 | 13781252 | 9007802 | 32A Miranda St         | Avondale       | N/A                                         | L1           | 104                       | Unknown          | 0        | No                       | No                 | Yes         |
| 1/10/2017  | 13784053 | 8992226 | 1343A Dominion Rd-X    | Mt Roskill     | N/A                                         | L1           | 92                        | Roots            | 17.5     | No                       | No                 | Yes         |

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|------------|----------|----------|-----------------------|--------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 2/10/2017  | 13785520 | 8988802  | 27-29 Shaddock St     | Eden Terrace | N/A                                         | L1           | 529                       | Roots          | 3.5      | No                       | No                 | Yes         |
| 3/10/2017  | 13787368 | 8812192  | 192A Stoddard Rd      | Mt Roskill   | N/A                                         | L1           | 238                       | Fat            | 0.5      | No                       | No                 | Yes         |
| 4/10/2017  | 13790292 | 8965932  | 2L/12 Charles St      | Mt Eden      | N/A                                         | L1           | 446                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 4/10/2017  | 13790609 | 8810736  | 443 Hillsborough Rd   | Mt Roskill   | N/A                                         | L1           | 11                        | Roots          | 0        | No                       | No                 | Yes         |
| 5/10/2017  | 13792856 | 9192890  | 27 Buchanan St        | Kingsland    | N/A                                         | L1           | 86                        | Foreign Object | 0        | No                       | No                 | Yes         |
| 6/10/2017  | 13794921 | 8964448  | 25 Alanbrooke Cres    | Avondale     | N/A                                         | L1           | 712                       | Broken Pipe    | 0.5      | No                       | No                 | Yes         |
| 6/10/2017  | 13795709 | 8804335  | 107 Grange Rd         | Mt Eden      | N/A                                         | L1           | 324                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 7/10/2017  | 13796154 | 50026910 | 38 Penney Ave         | Mt Roskill   | N/A                                         | L1           | 436                       | Fat            | 6        | No                       | No                 | Yes         |
| 7/10/2017  | 13796308 | 8811678  | 1471 Great North Rd   | Waterview    | N/A                                         | L1           | 11                        | Roots          | 6        | No                       | No                 | Yes         |
| 7/10/2017  | 13796523 | 8964421  | 18 Amsterdam Pl       | Avondale     | N/A                                         | L1           | 109                       | Broken pipe    | 6        | No                       | No                 | Yes         |
| 9/10/2017  | 13798508 | 8987556  | 29 Nixon St           | Grey Lynn    | N/A                                         | L1           | 562                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 10/10/2017 | 13801263 | 8787272  | 35 Alanbrooke Cres    | Avondale     | N/A                                         | L1           | 716                       | Broken Pipe    | 1        | No                       | No                 | Yes         |
| 11/10/2017 | 13802757 | 8992113  | 14 Nash Rd            | Mt Roskill   | N/A                                         | L1           | 106                       | Unknown        | 4        | No                       | No                 | Yes         |
| 14/10/2017 | 13809659 | 8992502  | 111 May Rd            | Mt Roskill   | N/A                                         | L1           | 450                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 15/10/2017 | 13810257 | 8985327  | 1/22 St Lukes Rd      | St Lukes     | -                                           | L2           | 498                       | Fat            | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13812608 | 8992844  | 165 Hendon Ave        | Owairaka     | N/A                                         | L1           | 456                       | Silts          | 0        | No                       | No                 | Yes         |
| 16/10/2017 | 13813197 | 9007469  | 54 Holbrook St        | Avondale     | N/A                                         | L1           | 459                       | Unknown        | 0        | No                       | No                 | Yes         |
| 17/10/2017 | 13814254 | 50104328 | 226- Symonds St       | Grafton      | -                                           | L2           | 582                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13817087 | 8992844  | 165 Hendon Ave        | Owairaka     | N/A                                         | L1           | 558                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 18/10/2017 | 13817649 | 8983282  | Altham Ave            | Kingsland    | N/A                                         | L1           | 95                        | Rubbish        | 0        | No                       | No                 | Yes         |
| 21/10/2017 | 13823158 | 9006323  | 42 Battersby Ave      | Mt Roskill   | N/A                                         | L1           | 87                        | Roots          | 0        | No                       | No                 | Yes         |
| 25/10/2017 | 13829713 | 9226051  | 9 Sefton Ave          | Grey Lynn    | N/A                                         | L1           | 228                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 25/10/2017 | 13828457 | 9002677  | Rt/985 Mt Eden Rd     | Three Kings  | N/A                                         | L1           | 39                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 26/10/2017 | 13831647 | 9007541  | 340 Blockhouse Bay Rd | Avondale     | N/A                                         | L1           | 281                       | Roots          | 1        | No                       | No                 | Yes         |
| 27/10/2017 | 13835225 | 8979321  | 29A Kingsway Ave      | Sandringham  | N/A                                         | L1           | 210                       | Unknown        | 6        | No                       | No                 | Yes         |
| 28/10/2017 | 13835735 | 8993297  | 156 Methuen Rd        | New Windsor  | N/A                                         | L1           | 77                        | Rags           | 6.5      | No                       | No                 | Yes         |
| 31/10/2017 | 13842175 | 8966008  | 9-11 Fenton St        | Eden Terrace | N/A                                         | L1           | 35                        | Fat            | 0        | No                       | No                 | Yes         |
| 1/11/2017  | 13845055 | 8982186  | 1102E Great North Rd  | Pt Chevalier | N/A                                         | L1           | 99                        | Fat            | 0        | No                       | No                 | Yes         |



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|------------|----------|----------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 7/11/2017  | 13855088 | 8987873  | 6 Old Mill Rd       | Grey Lynn      | N/A                                         | L1           | 123                       | Broken Pipe      | 0        | No                       | No                 | Yes         |
| 8/11/2017  | 13857984 | 8982566  | 32 Marsden Ave      | Balmoral       | N/A                                         | L1           | 182                       | Foreign Object   | 8.5      | No                       | No                 | Yes         |
| 8/11/2017  | 13859294 | 8982692  | 105 Grange Rd       | Mt Eden        | N/A                                         | L1           | 238                       | Roots            | 8.5      | No                       | No                 | Yes         |
| 9/11/2017  | 13861057 | 8992738  | 2B/155 Stoddard Rd  | Mt Roskill     | N/A                                         | L1           | 492                       | Fat              | 0        | No                       | No                 | Yes         |
| 10/11/2017 | 13861747 | 9037823  | 454 Great North Rd  | Grey Lynn      | N/A                                         | L1           | 489                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/11/2017 | 13863134 | 9006644  | 276A Whitney St     | Blockhouse Bay | N/A                                         | L1           | 403                       | Roots            | 0        | No                       | No                 | Yes         |
| 14/11/2017 | 13869700 | 8986368  | 1/111 Balmoral Rd   | Mt Eden        | N/A                                         | L1           | 93                        | Unknown          | 12       | No                       | No                 | Yes         |
| 14/11/2017 | 13867998 | 8991965  | 11 Plumpton Ave     | Mt Roskill     | N/A                                         | L1           | 73                        | Rubbish          | 12       | No                       | No                 | Yes         |
| 16/11/2017 | 13874170 | 8985806  | 27 Lloyd Ave        | Mt Albert      | N/A                                         | L1           | 241                       | Silts            | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13882952 | 9007489  | 39 Holbrook St      | Avondale       | N/A                                         | L1           | 608                       | Rags             | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13883746 | 9007489  | 19A Rowena Cres     | Glen Innes     | N/A                                         | L1           | 112                       | Fat              | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13882673 | 8987973  | 6 Old Mill Rd       | Grey Lynn      | N/A                                         | L1           | 590                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 20/11/2017 | 13884208 | 8983498  | 71 Haverstock Rd    | Sandringham    | N/A                                         | L1           | 105                       | Roots            | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885673 | 9007774  | Brabham Pl          | Avondale       | N/A                                         | L1           | 139                       | Unknown          | 0        | No                       | No                 | Yes         |
| 21/11/2017 | 13885311 | 8967185  | Walker Rd           | Pt Chevalier   | N/A                                         | L1           | 155                       | Fat              | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13889589 | 8988744  | 3 Basque Rd         | Eden Terrace   | -                                           | L2           | 561                       | Unknown          | 0        | No                       | No                 | Yes         |
| 22/11/2017 | 13890358 | 9007524  | 17 Hertford St      | Avondale       | N/A                                         | L3           | 163                       | 3rd party damage | 0        | Yes                      | Yes                | Yes         |
| 25/11/2017 | 13897326 | 9003901  | 78 Oakley Ave       | Waterview      | N/A                                         | L1           | 478                       | Fat              | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13905530 | 8986104  | 165 St Andrews Rd   | Epsom          | N/A                                         | L1           | 233                       | Roots            | 0        | No                       | No                 | Yes         |
| 28/11/2017 | 13904233 | 8992215  | 2/30 Glass Rd       | Mt Roskill     | N/A                                         | L1           | 651                       | Unknown          | 0        | No                       | No                 | Yes         |
| 29/11/2017 | 13908641 | 9227491  | 4A Miranda St       | Avondale       | N/A                                         | L1           | 157                       | Surcharging      | 15.5     | No                       | No                 | Yes         |
| 29/11/2017 | 13907088 | 8982712  | 41 Mont Le Grand Rd | Mt Eden        | N/A                                         | L1           | 577                       | Broken pipe      | 15.5     | No                       | No                 | Yes         |
| 30/11/2017 | 13910740 | 9006693  | 43 Dundale Ave      | Blockhouse Bay | N/A                                         | L1           | 296                       | Unknown          | 9        | No                       | No                 | Yes         |
| 30/11/2017 | 13911446 | 8822330  | 103 White Swan Rd   | Mt Roskill     | N/A                                         | L1           | 117                       | Surcharging      | 9        | No                       | No                 | Yes         |
| 30/11/2017 | 13911663 | 8993306  | 118A New Windsor Rd | New Windsor    | N/A                                         | L1           | 124                       | Fat              | 9        | No                       | No                 | Yes         |
| 30/11/2017 | 13910246 | 8984878  | 97 Moa Rd           | Pt Chevalier   | N/A                                         | L1           | 64                        | 3rd party damage | 9        | No                       | No                 | Yes         |
| 7/12/2017  | 13927623 | 8967253  | 32 Wright Rd        | Pt Chevalier   | N/A                                         | L1           | 478                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 10/12/2017 | 13933016 | 50210796 | 46 Roseman Ave      | Mt Roskill     | -                                           | L2           | 305                       | Unknown          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause            | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|------------------------|----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 11/12/2017 | 13937051 | 8964448 | 25 Alanbrooke Cres     | Avondale       | N/A                                         | L1           | 572                       | Rags             | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13934453 | 8991965 | 11 Plumpton Ave        | Mt Roskill     | N/A                                         | L1           | 113                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/12/2017 | 13934684 | 9226046 | 6 Gilbert Ave          | Grey Lynn      | N/A                                         | L1           | 141                       | Roots            | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13938156 | 8963546 | 217A Blockhouse Bay Rd | Avondale       | N/A                                         | L1           | 472                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 12/12/2017 | 13939756 | 8805619 | 21 Challinor Cres      | Mt Albert      | N/A                                         | L1           | 221                       | Unknown          | 0        | No                       | No                 | Yes         |
| 13/12/2017 | 13942759 | 8982825 | 198 Dominion Rd        | Mt Eden        | N/A                                         | L1           | 240                       | Unknown          | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13948011 | 8804004 | 8 Prospect Tce         | Mt Eden        | N/A                                         | L1           | 128                       | Roots            | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13948630 | 8986572 | 8 Prospect Tce         | Mt Eden        | N/A                                         | L1           | 241                       | Roots            | 0        | No                       | No                 | Yes         |
| 15/12/2017 | 13947683 | 9227383 | 12 Scarborough Tce     | Parnell        | N/A                                         | L1           | 513                       | Roots            | 0        | No                       | No                 | Yes         |
| 16/12/2017 | 13949355 | 9006097 | 20 Boyce Ave           | Mt Roskill     | N/A                                         | L1           | 363                       | Roots            | 0        | No                       | No                 | Yes         |
| 18/12/2017 | 13951101 | 8986572 | 8 Prospect Tce         | Mt Eden        | N/A                                         | L1           | 108                       | Roots            | 0        | No                       | No                 | Yes         |
| 18/12/2017 | 13951673 | 8964480 | 4A Kelvinside Tce      | Avondale       | N/A                                         | L1           | 93                        | Unknown          | 0        | No                       | No                 | Yes         |
| 18/12/2017 | 13952611 | 8986571 | 10 Prospect Tce        | Mt Eden        | N/A                                         | L1           | 111                       | Unknown          | 0        | No                       | No                 | Yes         |
| 20/12/2017 | 13958145 | 8984884 | 1/11 Moa Rd            | Pt Chevalier   | N/A                                         | L1           | 74                        | 3rd party damage | 3        | No                       | No                 | Yes         |
| 20/12/2017 | 13959207 | 8810251 | 34 Stoddard Rd         | Mt Roskill     | N/A                                         | L1           | 476                       | Unknown          | 3        | No                       | No                 | Yes         |
| 21/12/2017 | 13962892 | 8993345 | 78 Methuen Rd          | New Windsor    | N/A                                         | L1           | 60                        | Roots            | 0        | No                       | No                 | Yes         |
| 22/12/2017 | 13965306 | 8787272 | 35 Alanbrooke Cres     | Avondale       | N/A                                         | L1           | 166                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 26/12/2017 | 13967696 | 8992323 | 34B Stoddard Rd        | Mt Roskill     | N/A                                         | L1           | 228                       | Unknown          | 4        | No                       | No                 | Yes         |
| 26/12/2017 | 13967619 | 8992197 | 17 Morrie Laing Ave    | Mt Roskill     | N/A                                         | L1           | 84                        | Unknown          | 4        | No                       | No                 | Yes         |
| 26/12/2017 | 13967736 | 8984900 | 87 Walmer Rd           | Pt Chevalier   | N/A                                         | L1           | 168                       | Unknown          | 4        | No                       | No                 | Yes         |
| 2/01/2018  | 13976065 | 8823562 | 9 Puketea St           | Blockhouse Bay | N/A                                         | L1           | 179                       | Roots            | 0.5      | No                       | No                 | Yes         |
| 4/01/2018  | 13981186 | 8983115 | 101A Sandringham Rd    | Kingsland      | N/A                                         | L1           | 142                       | Unknown          | 46       | No                       | No                 | Yes         |
| 4/01/2018  | 13980194 | 8811893 | 40 Stoddard Rd         | Mt Roskill     | N/A                                         | L1           | 525                       | Unknown          | 46       | No                       | No                 | Yes         |
| 4/01/2018  | 13980777 | 8822676 | 77 John Davis Rd       | Mt Roskill     | N/A                                         | L1           | 126                       | Surcharging      | 46       | No                       | No                 | Yes         |
| 6/01/2018  | 13983776 | 8983115 | 101A Sandringham Rd    | Kingsland      | N/A                                         | L1           | 160                       | Unknown          | 0        | No                       | No                 | Yes         |
| 6/01/2018  | 13983825 | 8990837 | 2 Gerrard St           | Mt Roskill     | N/A                                         | L1           | 132                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 12/01/2018 | 13998909 | 8991831 | 1053A Dominion Rd      | Mt Roskill     | N/A                                         | L1           | 542                       | Unknown          | 0        | No                       | No                 | Yes         |
| 14/01/2018 | 14000426 | 8986661 | 2/55 Grange Rd         | Mt Eden        | N/A                                         | L1           | 312                       | Unknown          | 0.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|------------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 16/01/2018 | 14004288 | 8965994 | Kohekohe St            | Mt Eden        | N/A                                         | L1           | 656                       | Rags           | 0        | No                       | No                 | Yes         |
| 16/01/2018 | 14005399 | 8992317 | 69 Denny Ave           | Mt Roskill     | N/A                                         | L1           | 116                       | Fat            | 0        | No                       | No                 | Yes         |
| 17/01/2018 | 14006856 | 8965993 | Kohekohe St            | Mt Eden        | N/A                                         | L1           | 530                       | Rags           | 0        | No                       | No                 | Yes         |
| 18/01/2018 | 14010495 | 8965993 | Kohekohe St            | Mt Eden        | N/A                                         | L1           | 137                       | Foreign Object | 36       | No                       | No                 | Yes         |
| 18/01/2018 | 14010835 | 8984394 | 13A Admiral Beatty Ave | Three Kings    | N/A                                         | L1           | 142                       | Unknown        | 36       | No                       | No                 | Yes         |
| 18/01/2018 | 14011868 | 8991399 | 1147 Dominion Rd       | Mt Roskill     | N/A                                         | L1           | 150                       | Broken pipe    | 36       | No                       | No                 | Yes         |
| 19/01/2018 | 14013462 | 8786660 | 115 Walker Rd          | Pt Chevalier   | N/A                                         | L1           | 119                       | Roots          | 8        | No                       | No                 | Yes         |
| 19/01/2018 | 14014963 | 9006277 | 41A Ellis Ave          | Mt Roskill     | N/A                                         | L1           | 159                       | Unknown        | 8        | No                       | No                 | Yes         |
| 19/01/2018 | 14015076 | 9224155 | 1288 New North Rd      | Avondale       | N/A                                         | L1           | 367                       | Unknown        | 8        | No                       | No                 | Yes         |
| 19/01/2018 | 14014441 | 8994159 | 12 Cadman Ave          | Waterview      | N/A                                         | L1           | 662                       | Rubbish        | 8        | No                       | No                 | Yes         |
| 22/01/2018 | 14019890 | 8983247 | 33 Taylors Rd          | St Lukes       | N/A                                         | L1           | 205                       | Roots          | 14       | No                       | No                 | Yes         |
| 22/01/2018 | 14018838 | 8822568 | 2 Sally Cres           | Mt Roskill     | N/A                                         | L1           | 571                       | Rags           | 14       | No                       | No                 | Yes         |
| 22/01/2018 | 14019137 | 9003816 | 54 Fir St              | Waterview      | N/A                                         | L1           | 200                       | Unknown        | 14       | No                       | No                 | Yes         |
| 24/01/2018 | 14024746 | 8991499 | 14 Skipper Ave         | Mt Roskill     | N/A                                         | L1           | 646                       | Rags           | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14028053 | 9006565 | 2/168 Boundary Rd      | Blockhouse Bay | N/A                                         | L1           | 119                       | Unknown        | 0        | No                       | No                 | Yes         |
| 25/01/2018 | 14027942 | 8811166 | 6/2A Moreland Rd       | Mt Albert      | N/A                                         | L1           | 197                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/01/2018 | 14031790 | 8991047 | 80 Olsen Ave           | Hillsborough   | N/A                                         | L1           | 345                       | Roots          | 0        | No                       | No                 | Yes         |
| 27/01/2018 | 14031668 | 8989103 | 442 Karangahape Rd     | Newton         | N/A                                         | L1           | 570                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/01/2018 | 14032137 | 8990682 | 12 Hayr Rd             | Three Kings    | N/A                                         | L1           | 124                       | Roots          | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14033067 | 9005577 | 84 Rosamund Ave        | New Windsor    | N/A                                         | L1           | 269                       | Unknown        | 0        | No                       | No                 | Yes         |
| 29/01/2018 | 14032922 | 9005828 | 26A Marshall Laing Ave | Mt Roskill     | N/A                                         | L1           | 108                       | Roots          | 0        | No                       | No                 | Yes         |
| 30/01/2018 | 14035348 | 9005675 | 7 Sally Cres           | Mt Roskill     | N/A                                         | L1           | 594                       | Unknown        | 0        | No                       | No                 | Yes         |
| 31/01/2018 | 14038109 | 8984689 | 641 New North Rd       | St Lukes       | N/A                                         | L1           | 23                        | Broken pipe    | 0        | No                       | No                 | Yes         |
| 1/02/2018  | 14042719 | 9042419 | 15 Fleet St            | Eden Terrace   | N/A                                         | L1           | 89                        | Surcharging    | 0        | No                       | No                 | Yes         |
| 2/02/2018  | 14045352 | 9005094 | 103 White Swan Rd      | Mt Roskill     | N/A                                         | L1           | 150                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14045994 | 9006272 | 148 Boundary Rd        | Blockhouse Bay | N/A                                         | L1           | 36                        | Unknown        | 0        | No                       | No                 | Yes         |
| 3/02/2018  | 14046104 | 9006615 | 19 Mcfadzean Dr        | Blockhouse Bay | N/A                                         | L1           | 102                       | Roots          | 0        | No                       | No                 | Yes         |
| 5/02/2018  | 14048587 | 8810375 | 2/29 Rogan St          | Hillsborough   | N/A                                         | L1           | 704                       | Surcharging    | 0        | No                       | No                 | Yes         |

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|------------|----------|---------|-------------------------|----------------|---------------------------------------------|--------------|---------------------------|------------------|----------|--------------------------|--------------------|-------------|
| 5/02/2018  | 14048659 | 8990796 | 46 Olsen Ave            | Hillsborough   | N/A                                         | L1           | 658                       | Unknown          | 0        | No                       | No                 | Yes         |
| 6/02/2018  | 14050356 | 8986208 | 32 Rahiri Rd            | Mt Eden        | N/A                                         | L1           | 289                       | Roots            | 0        | No                       | No                 | Yes         |
| 7/02/2018  | 14053398 | 8984889 | 25 Moa Rd               | Pt Chevalier   | N/A                                         | L1           | 445                       | 3rd party damage | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14054815 | 8804079 | 77 Valley Rd            | Mt Eden        | N/A                                         | L1           | 154                       | Roots            | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14055653 | 9037774 | 1/11 Arran St           | Avondale       | N/A                                         | L1           | 559                       | Broken pipe      | 0        | No                       | No                 | Yes         |
| 8/02/2018  | 14056072 | 8983694 | 660 Dominion Rd         | Balmoral       | N/A                                         | L1           | 250                       | Fat              | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060942 | 8786989 | 11A Donegal St          | Avondale       | N/A                                         | L1           | 70                        | Surcharging      | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060672 | 8991704 | 2/29 Rogan St           | Hillsborough   | N/A                                         | L1           | 26                        | Surcharging      | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060693 | 8986634 | 61 Woodside Rd          | Mt Eden        | N/A                                         | L1           | 535                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060673 | 8985260 | 123 Haverstock Rd       | Sandringham    | N/A                                         | L1           | 547                       | Rubbish          | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060691 | 8992448 | 127 May Rd              | Mt Roskill     | N/A                                         | L1           | 143                       | Unknown          | 0        | No                       | No                 | Yes         |
| 11/02/2018 | 14060824 | 8982693 | 122 Grange Rd           | Mt Eden        | N/A                                         | L1           | 172                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064808 | 8822330 | 103 White Swan Rd       | Mt Roskill     | N/A                                         | L1           | 454                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064165 | 9227451 | 3/254 Blockhouse Bay Rd | Avondale       | N/A                                         | L1           | 620                       | Unknown          | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14063532 | 8993828 | 1189 New North Rd       | Mt Albert      | N/A                                         | L1           | 598                       | Fat              | 0        | No                       | No                 | Yes         |
| 12/02/2018 | 14064643 | 8991970 | 24 Gifford Ave          | Mt Roskill     | N/A                                         | L1           | 91                        | Unknown          | 0        | No                       | No                 | Yes         |
| 13/02/2018 | 14066484 | 8822789 | 43 Dundale Ave          | Blockhouse Bay | N/A                                         | L1           | 149                       | Unknown          | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14068816 | 8809940 | 660 Richardson Rd       | Mt Roskill     | N/A                                         | L1           | 107                       | Surcharging      | 0        | No                       | No                 | Yes         |
| 14/02/2018 | 14070318 | 8984812 | 7 Martin Ave            | Mt Albert      | N/A                                         | L1           | 136                       | Fat              | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076830 | 8991834 | 13 Mt Roskill Rd        | Mt Roskill     | N/A                                         | L1           | 448                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076707 | 8992509 | 127A May Rd             | Mt Roskill     | N/A                                         | L1           | 177                       | Unknown          | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076765 | 8965993 | Lvg/8 Normanby Rd       | Mt Eden        | N/A                                         | L1           | 488                       | Foreign Object   | 0        | No                       | No                 | Yes         |
| 17/02/2018 | 14076902 | 8983541 | 560 Mt Albert Rd        | Three Kings    | N/A                                         | L1           | 421                       | Unknown          | 0        | No                       | No                 | Yes         |
| 18/02/2018 | 14077821 | 8986368 | 1/111 Balmoral Rd       | Mt Eden        | N/A                                         | L1           | 288                       | Rags             | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14080119 | 8993267 | 167 Methuen Rd          | New Windsor    | N/A                                         | L1           | 495                       | Unknown          | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14078950 | 9006906 | 54 Terry St             | Blockhouse Bay | N/A                                         | L1           | 80                        | Surcharging      | 0        | No                       | No                 | Yes         |
| 19/02/2018 | 14080068 | 8984402 | 18 Hardley Ave          | Three Kings    | N/A                                         | L1           | 88                        | Rubbish          | 0        | No                       | No                 | Yes         |
| 25/02/2018 | 14094811 | 9226052 | 27 Sefton Ave           | Grey Lynn      | N/A                                         | L1           | 86                        | Rubbish          | 0        | No                       | No                 | Yes         |

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|------------|----------|----------|---------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 26/02/2018 | 14096668 | 8985947  | 41 Monaghan Ave     | Mt Albert      | N/A                                         | L1           | 652                       | Unknown        | 0        | No                       | No                 | Yes         |
| 28/02/2018 | 14103432 | 8988402  | 92 School Rd        | St Lukes       | N/A                                         | L1           | 183                       | Rags           | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105143 | 9206431  | 1288 New North Rd   | Avondale       | N/A                                         | L1           | 170                       | Rags           | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105798 | 8988402  | 92 School Rd        | St Lukes       | N/A                                         | L1           | 544                       | Unknown        | 0        | No                       | No                 | Yes         |
| 1/03/2018  | 14105883 | 8792412  | Poronui St          | Mt Eden        | N/A                                         | L1           | 751                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 3/03/2018  | 14110438 | 9005246  | 2/46 Budgen St      | Waikowhai      | N/A                                         | L1           | 228                       | Broken Pipe    | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14113457 | 8985595  | 41 Mt Albert Rd     | Mt Albert      | N/A                                         | L1           | 612                       | Rubbish        | 0        | No                       | No                 | Yes         |
| 5/03/2018  | 14114422 | 8982043  | 29 Chatham Ave      | Mt Albert      | N/A                                         | L1           | 199                       | Roots          | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14117064 | 8988402  | 92 School Rd        | St Lukes       | N/A                                         | L1           | 136                       | Unknown        | 0        | No                       | No                 | Yes         |
| 6/03/2018  | 14117246 | 8976613  | 380 Hillsborough Rd | Mt Roskill     | N/A                                         | L1           | 95                        | Unknown        | 0        | No                       | No                 | Yes         |
| 8/03/2018  | 14123482 | 8807416  | 92 School Rd        | St Lukes       | N/A                                         | L1           | 76                        | Surcharging    | 2        | No                       | No                 | Yes         |
| 9/03/2018  | 14127015 | 9007396  | 60 Peter Buck Rd    | New Windsor    | N/A                                         | L1           | 194                       | Roots          | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14128834 | 8821921  | 121 Tiverton Rd     | New Windsor    | N/A                                         | L1           | 334                       | Roots          | 0        | No                       | No                 | Yes         |
| 9/03/2018  | 14128835 | 8982825  | 220 Dominion Rd     | Mt Eden        | N/A                                         | L1           | 340                       | Fat            | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14129913 | 8803663  | 55 Fifth Ave        | Mt Albert      | N/A                                         | L1           | 519                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14130007 | 8990722  | 10 Littlejohn St    | Hillsborough   | N/A                                         | L1           | 214                       | Roots          | 0        | No                       | No                 | Yes         |
| 10/03/2018 | 14130201 | 8986155  | 447A Mt Eden Rd     | Mt Eden        | N/A                                         | L1           | 233                       | Fat            | 0        | No                       | No                 | Yes         |
| 12/03/2018 | 14131836 | 8990649  | 25 Haughey Ave      | Hillsborough   | N/A                                         | L1           | 93                        | Roots          | 14       | No                       | No                 | Yes         |
| 12/03/2018 | 14132623 | 8984600  | 25 Onslow Rd        | Kingsland      | N/A                                         | L1           | 110                       | Broken pipe    | 14       | No                       | No                 | Yes         |
| 13/03/2018 | 14135050 | 50046669 | 537 Mt Albert Rd    | Three Kings    | N/A                                         | L1           | 128                       | Unknown        | 1        | No                       | No                 | Yes         |
| 13/03/2018 | 14135052 | 9007389  | 32 Peter Buck Rd    | New Windsor    | N/A                                         | L1           | 444                       | Roots          | 1        | No                       | No                 | Yes         |
| 13/03/2018 | 14135133 | 9206431  | 1288 New North Rd   | Avondale       | N/A                                         | L1           | 139                       | Unknown        | 1        | No                       | No                 | Yes         |
| 13/03/2018 | 14136742 | 8985176  | 746 New North Rd    | Mt Albert      | N/A                                         | L1           | 62                        | Foreign Object | 1        | No                       | No                 | Yes         |
| 16/03/2018 | 14144273 | 9007359  | 137 Whitney St      | Blockhouse Bay | N/A                                         | L1           | 154                       | Roots          | 0        | No                       | No                 | Yes         |
| 20/03/2018 | 14153359 | 9051013  | 21 Hira Way         | Hillsborough   | N/A                                         | L1           | 581                       | Broken pipe    | 1        | No                       | No                 | Yes         |
| 21/03/2018 | 14155444 | 8990581  | 736 Richardson Rd   | Mt Roskill     | N/A                                         | L1           | 217                       | Roots          | 2        | No                       | No                 | Yes         |
| 21/03/2018 | 14155989 | 50299969 | 96B Haverstock Rd   | Sandringham    | N/A                                         | L1           | 130                       | Foreign Object | 2        | No                       | No                 | Yes         |
| 22/03/2018 | 14159195 | 9004910  | 20 Marydale Dr      | Mt Roskill     | N/A                                         | L1           | 86                        | Roots          | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address               | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-----------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 25/03/2018 | 14165377 | 9248820 | 9 Rona Ave            | Grey Lynn      | N/A                                         | L1           | 425                       | Roots          | 0.5      | No                       | No                 | Yes         |
| 30/03/2018 | 14178510 | 9006001 | 18 Rosamund Ave       | New Windsor    | N/A                                         | L1           | 182                       | Unknown        | 2        | No                       | No                 | Yes         |
| 2/04/2018  | 14180356 | 8991879 | 46A Roseman Ave       | Mt Roskill     | N/A                                         | L1           | 336                       | Unknown        | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14182524 | 8985817 | 1/16 Knight Ave       | Mt Albert      | N/A                                         | L1           | 525                       | Broken Pipe    | 0        | No                       | No                 | Yes         |
| 3/04/2018  | 14183609 | 8991657 | 28 Quona Ave          | Waikowhai      | N/A                                         | L1           | 92                        | Roots          | 0        | No                       | No                 | Yes         |
| 4/04/2018  | 14185361 | 8991792 | 49 Bremner Ave        | Mt Roskill     | N/A                                         | L1           | 117                       | Broken pipe    | 0.5      | No                       | No                 | Yes         |
| 4/04/2018  | 14187168 | 9005930 | 68 Haycock Ave        | Mt Roskill     | N/A                                         | L1           | 136                       | Foreign Object | 0.5      | No                       | No                 | Yes         |
| 5/04/2018  | 14190163 | 8967041 | 41 Oliver St          | Pt Chevalier   | N/A                                         | L1           | 196                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 8/04/2018  | 14194635 | 8803125 | 4 Churches Ave        | Three Kings    | N/A                                         | L1           | 478                       | Roots          | 0        | No                       | No                 | Yes         |
| 11/04/2018 | 14204318 | 9005788 | 81 Kimber Hall Ave    | Mt Roskill     | N/A                                         | L1           | 148                       | Roots          | 18.5     | No                       | No                 | Yes         |
| 11/04/2018 | 14204595 | 8993600 | 994B New North Rd     | Mt Albert      | N/A                                         | L1           | 79                        | Fat            | 18.5     | No                       | No                 | Yes         |
| 13/04/2018 | 14209377 | 9227369 | 235 Blockhouse Bay Rd | Avondale       | N/A                                         | L1           | 67                        | Unknown        | 15       | No                       | No                 | Yes         |
| 14/04/2018 | 14211327 | 8822789 | 43 Dundale Ave        | Blockhouse Bay | N/A                                         | L1           | 201                       | Surcharging    | 53       | No                       | No                 | Yes         |
| 14/04/2018 | 14211465 | 8822330 | 103 White Swan Rd     | Mt Roskill     | N/A                                         | L1           | 143                       | Surcharging    | 53       | No                       | No                 | Yes         |
| 14/04/2018 | 14211553 | 8985260 | 123 Haverstock Rd     | Sandringham    | N/A                                         | L1           | 474                       | Surcharging    | 53       | No                       | No                 | Yes         |
| 16/04/2018 | 14215680 | 8822327 | 81 Kimber Hall Ave    | Mt Roskill     | N/A                                         | L1           | 294                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 16/04/2018 | 14215802 | 8991407 | 1388 Dominion Rd      | Mt Roskill     | N/A                                         | L1           | 320                       | Roots          | 1.5      | No                       | No                 | Yes         |
| 17/04/2018 | 14218702 | 8991883 | 53 Roseman Ave        | Mt Roskill     | N/A                                         | L1           | 220                       | Unknown        | 2        | No                       | No                 | Yes         |
| 17/04/2018 | 14219587 | 9005093 | 103 White Swan Rd     | Mt Roskill     | N/A                                         | L1           | 230                       | Surcharging    | 2        | No                       | No                 | Yes         |
| 19/04/2018 | 14223588 | 8982126 | 15 Kanuka St          | Pt Chevalier   | N/A                                         | L1           | 388                       | Foreign Object | 0        | No                       | No                 | Yes         |
| 20/04/2018 | 14227576 | 9006166 | 82A Webster Ave       | Mt Roskill     | N/A                                         | L1           | 87                        | Fat            | 1        | No                       | No                 | Yes         |
| 23/04/2018 | 14232955 | 8823612 | 3 Brabham Pl          | Avondale       | N/A                                         | L1           | 699                       | Fat            | 0        | No                       | No                 | Yes         |
| 23/04/2018 | 14233410 | 8822032 | 47B Webster Ave       | Mt Roskill     | N/A                                         | L1           | 166                       | Fat            | 0        | No                       | No                 | Yes         |
| 28/04/2018 | 14245596 | 9007774 | Brabham Pl            | Avondale       | N/A                                         | L1           | 204                       | Fat            | 24       | No                       | No                 | Yes         |
| 28/04/2018 | 14245859 | 8984812 | 7 Martin Ave          | Mt Albert      | N/A                                         | L1           | 94                        | Unknown        | 24       | No                       | No                 | Yes         |
| 30/04/2018 | 14248108 | 8992090 | 1388 Dominion Rd      | Mt Roskill     | N/A                                         | L1           | 249                       | Unknown        | 3.5      | No                       | No                 | Yes         |
| 2/05/2018  | 14255814 | 8992168 | 1/14 Howell Cres      | Mt Roskill     | N/A                                         | L1           | 502                       | Unknown        | 0        | No                       | No                 | Yes         |
| 4/05/2018  | 14261725 | 9003749 | 14 Hadfield Ave       | Waterview      | N/A                                         | L1           | 302                       | Unknown        | 0        | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey  | Address                 | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|----------|-------------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 10/05/2018 | 14275086 | 8992421  | 1A Balfron Ave          | Mt Roskill     | N/A                                         | L1           | 537                       | Rags           | 0        | No                       | No                 | Yes         |
| 10/05/2018 | 14276278 | 8985238  | 33 Fergusson Ave        | Sandringham    | N/A                                         | L1           | 259                       | Fat            | 0        | No                       | No                 | Yes         |
| 14/05/2018 | 14283506 | 9005502  | 4/453 Richardson Rd     | Mt Roskill     | N/A                                         | L1           | 539                       | Unknown        | 1        | No                       | No                 | Yes         |
| 16/05/2018 | 14291896 | 8984519  | 6 Freyberg Ave          | Sandringham    | N/A                                         | L1           | 20                        | Broken pipe    | 2.49     | No                       | No                 | Yes         |
| 18/05/2018 | 14296157 | 9249551  | 86 Ivanhoe Rd           | Grey Lynn      | N/A                                         | L1           | 407                       | Fat            | 0        | No                       | No                 | Yes         |
| 18/05/2018 | 14296555 | 9005800  | 7 Marshall Laing Ave    | Mt Roskill     | N/A                                         | L1           | 11                        | Fat            | 0        | No                       | No                 | Yes         |
| 21/05/2018 | 14302287 | 8983066  | 68 Paice Ave            | Sandringham    | N/A                                         | L1           | 89                        | Broken Pipe    | 18.45    | No                       | No                 | Yes         |
| 22/05/2018 | 14306604 | 9005420  | 5 Anita Ave             | Mt Roskill     | N/A                                         | L1           | 502                       | Broken pipe    | 3        | No                       | No                 | Yes         |
| 22/05/2018 | 14307465 | 8964357  | 15A Racecourse Pde      | Avondale       | N/A                                         | L1           | 146                       | Unknown        | 3        | No                       | No                 | Yes         |
| 23/05/2018 | 14309156 | 8993000  | 26 Westminster St       | New Windsor    | N/A                                         | L1           | 126                       | Foreign Object | 30.91    | No                       | No                 | Yes         |
| 24/05/2018 | 14312952 | 8985992  | 9B Fifth Ave            | Mt Albert      | N/A                                         | L1           | 654                       | Unknown        | 9.48     | No                       | No                 | Yes         |
| 25/05/2018 | 14315944 | 8983455  | 11 Haverstock Rd        | Sandringham    | N/A                                         | L1           | 394                       | Broken pipe    | 14.46    | No                       | No                 | Yes         |
| 26/05/2018 | 14318199 | 9172253  | 21B Exminster St        | Blockhouse Bay | N/A                                         | L1           | 105                       | Unknown        | 2.49     | No                       | No                 | Yes         |
| 28/05/2018 | 14319470 | 9005028  | 1331A Dominion Rd-X     | Mt Roskill     | N/A                                         | L1           | 109                       | Unknown        | 1        | No                       | No                 | Yes         |
| 30/05/2018 | 14326457 | 8992322  | 34C Stoddard Rd         | Mt Roskill     | 1                                           | L2           | 141                       | Rags           | 0        | No                       | No                 | Yes         |
| 2/06/2018  | 14334466 | 8993804  | 18 Waterview Dn         | Waterview      | N/A                                         | L1           | 461                       | Surcharging    | 0        | No                       | No                 | Yes         |
| 3/06/2018  | 14335210 | 8963875  | 30 Wingate St           | Avondale       | N/A                                         | L1           | 377                       | Surcharging    | 38.4     | No                       | No                 | Yes         |
| 4/06/2018  | 14335847 | 8990682  | 12 Hayr Rd              | Three Kings    | N/A                                         | L1           | 629                       | Unknown        | 30.41    | No                       | No                 | Yes         |
| 5/06/2018  | 14338371 | 9051146  | Wtr/528 Pt Chevalier Rd | Pt Chevalier   | N/A                                         | L1           | 66                        | Fat            | 4.49     | No                       | No                 | Yes         |
| 7/06/2018  | 14344398 | 8812028  | Richardson Rd           | Mt Roskill     | N/A                                         | L1           | 466                       | Foreign Object | 1        | No                       | No                 | Yes         |
| 8/06/2018  | 14349065 | 50046669 | 28 Quona Ave            | Waikowhai      | N/A                                         | L1           | 187                       | Broken pipe    | 0        | No                       | No                 | Yes         |
| 11/06/2018 | 14351460 | 8991583  | 405 Hillsborough Rd     | Mt Roskill     | N/A                                         | L1           | 96                        | Unknown        | 16       | No                       | No                 | Yes         |
| 11/06/2018 | 14353056 | 8992076  | 623 Richardson Rd       | Mt Roskill     | -                                           | L2           | 200                       | Roots          | 16       | No                       | No                 | Yes         |
| 12/06/2018 | 14354615 | 9005348  | 44 Anita Ave            | Mt Roskill     | N/A                                         | L1           | 512                       | Roots          | 17.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356606 | 8822997  | 8 Letterkenny Pl        | Blockhouse Bay | N/A                                         | L1           | 83                        | Roots          | 17.5     | No                       | No                 | Yes         |
| 12/06/2018 | 14356830 | 8994168  | 12B Cradock St          | Avondale       | N/A                                         | L1           | 229                       | Fat            | 17.5     | No                       | No                 | Yes         |
| 14/06/2018 | 14360763 | 8986273  | 706 Mt Eden Rd          | Mt Eden        | N/A                                         | L1           | 89                        | Unknown        | 0.5      | No                       | No                 | Yes         |
| 14/06/2018 | 14362814 | 8984811  | 13 Leone Tce            | Mt Albert      | N/A                                         | L1           | 228                       | Unknown        | 0.5      | No                       | No                 | Yes         |

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| Date       | SR #     | Compkey | Address                 | Suburb         | Ammonia<br>result<br>100m<br>down<br>stream | DWO<br>Level | Duration<br>in<br>minutes | Cause          | Rainfall | Public<br>Health<br>Risk | Ecological<br>Risk | Containment |
|------------|----------|---------|-------------------------|----------------|---------------------------------------------|--------------|---------------------------|----------------|----------|--------------------------|--------------------|-------------|
| 15/06/2018 | 14364118 | 9006492 | 107 Terry St            | Blockhouse Bay | N/A                                         | L1           | 66                        | Broken pipe    | 3        | No                       | No                 | Yes         |
| 15/06/2018 | 14364774 | 8964854 | 3/16 Fairlands Ave      | Waterview      | N/A                                         | L1           | 554                       | Surcharging    | 3        | No                       | No                 | Yes         |
| 15/06/2018 | 14364998 | 9006829 | 198 Whitney St          | Blockhouse Bay | N/A                                         | L1           | 89                        | Roots          | 3        | No                       | No                 | Yes         |
| 18/06/2018 | 14368721 | 8993824 | 1189 New North Rd       | Mt Albert      | N/A                                         | L1           | 149                       | Foreign Object | 1.5      | No                       | No                 | Yes         |
| 18/06/2018 | 14370674 | 8992215 | 2/30 Glass Rd           | Mt Roskill     | N/A                                         | L1           | 188                       | Unknown        | 1.5      | No                       | No                 | Yes         |
| 21/06/2018 | 14379866 | 9007495 | 38 Margate Rd           | Blockhouse Bay | N/A                                         | L1           | 105                       | Fat            | 4        | No                       | No                 | Yes         |
| 22/06/2018 | 14382544 | 9006829 | 198 Whitney St          | Blockhouse Bay | N/A                                         | L1           | 90                        | Roots          | 0        | No                       | No                 | Yes         |
| 23/06/2018 | 14384322 | 8823373 | 38 Margate Rd           | Blockhouse Bay | N/A                                         | L1           | 481                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 23/06/2018 | 14384644 | 8993381 | 6 Delphine Cl           | Owairaka       | N/A                                         | L1           | 358                       | Unknown        | 2.5      | No                       | No                 | Yes         |
| 24/06/2018 | 14385020 | 8822788 | 60A Mary Dreaver St     | New Windsor    | N/A                                         | L1           | 470                       | Unknown        | 11.5     | No                       | No                 | Yes         |
| 24/06/2018 | 14385035 | 9007495 | 38B Margate Rd          | Blockhouse Bay | N/A                                         | L1           | 401                       | Rags           | 11.5     | No                       | No                 | Yes         |
| 24/06/2018 | 14385220 | 8803552 | 6 Morningside Dr        | Morningside    | N/A                                         | L1           | 198                       | Rags           | 11.5     | No                       | No                 | Yes         |
| 25/06/2018 | 14387141 | 9006829 | 198 Whitney St          | Blockhouse Bay | N/A                                         | L1           | 183                       | Broken pipe    | 25.5     | No                       | No                 | Yes         |
| 30/06/2018 | 14402079 | 8963551 | 3/254 Blockhouse Bay Rd | Avondale       | N/A                                         | L1           | 82                        | Broken pipe    | 0        | No                       | No                 | Yes         |



## APPENDIX 4: PLANNED FLUSHING SCHEDULE

**Table 1: Central Region**

| Address               | Suburb           | Frequency (months) | Number of associated pipes |
|-----------------------|------------------|--------------------|----------------------------|
| 126 Beach Rd          | Auckland Central | 4 Monthly          | 1                          |
| 167 Beach Rd          | Auckland Central | 12 Monthly         | 1                          |
| 131 Beach Rd          | Auckland Central | 12 Monthly         | 1                          |
| 133 Beach Rd          | Auckland Central | 12 Monthly         | 1                          |
| 151 Beach Rd          | Auckland Central | 12 Monthly         | 1                          |
| 167 Beach Rd          | Auckland Central | 12 Monthly         | 1                          |
| 23 O'Connell St       | Auckland Central | 12 Monthly         | 2                          |
| 23 Shortland St       | Auckland Central | 12 Monthly         | 1                          |
| 15 O'Connell St       | Auckland Central | 12 Monthly         | 1                          |
| 2 Freyburg Pl         | Auckland Central | 12 Monthly         | 1                          |
| Hobson Pl             | Auckland Central | 12 Monthly         | 2                          |
| 126 Queen St          | Auckland Central | 12 Monthly         | 1                          |
| 87 Greys Ave          | Auckland Central | 12 Monthly         | 1                          |
| 1 Alfred St           | Auckland Central | 12 Monthly         | 1                          |
| 67 Vincent St         | Auckland Central | 12 Monthly         | 1                          |
| 15 Te Wiata Pl        | Auckland Central | 12 Monthly         | 1                          |
| 3 Bamford Pl          | Auckland Central | 4 Monthly          | 1                          |
| 54 Mary Dreaver St    | Auckland Central | 4 Monthly          | 1                          |
| 229 Blockhouse Bay Rd | Auckland Central | 4 Monthly          | 1                          |
| 1817 Great North Rd   | Auckland Central | 4 Monthly          | 1                          |
| 20 Te Wiata Pl        | Auckland Central | 4 Monthly          | 1                          |
| 1/20 Chalmers St      | Auckland Central | 4 Monthly          | 1                          |
| 10 Amsterdam Pl       | Auckland Central | 4 Monthly          | 2                          |
| 130 Riversdale Rd     | Auckland Central | 4 Monthly          | 1                          |
| 44 Tony Segedin Dr    | Auckland Central | 4 Monthly          | 1                          |
| 46 Eastdale Rd        | Auckland Central | 2 Monthly          | 1                          |
| 66 Eastdale Rd        | Auckland Central | 2 Monthly          | 1                          |
| 23 Lidcombe Pl        | Auckland Central | 2 Monthly          | 1                          |
| 33 Maple St           | Auckland Central | 6 Monthly          | 1                          |
| 3 Charann Pl          | Auckland Central | 6 Monthly          | 1                          |

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| <b>Address</b>        | <b>Suburb</b>    | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|-----------------------|------------------|---------------------------|-----------------------------------|
| 79 Mead St            | Auckland Central | 6 Monthly                 | 1                                 |
| 108 Avondale Rd       | Auckland Central | 6 Monthly                 | 1                                 |
| 3 Horton Ave          | Auckland Central | 6 Monthly                 | 1                                 |
| 5 Horton Ave          | Auckland Central | 6 Monthly                 | 2                                 |
| 702 Rosebank Rd       | Auckland Central | 3 Monthly                 | 2                                 |
| 1/34 Westminster St   | Auckland Central | 4 Monthly                 | 2                                 |
| 5 Hillview Ave        | Auckland Central | 4 Monthly                 | 1                                 |
| 2169 Great North Rd   | Auckland Central | 4 Monthly                 | 1                                 |
| 2171A Great North St  | Auckland Central | 4 Monthly                 | 1                                 |
| 11A Donegal St        | Auckland Central | 4 Monthly                 | 2                                 |
| 49 Alanbrooke Cres    | Auckland Central | 4 Monthly                 | 2                                 |
| 5C Rosebank Rd        | Auckland Central | 6 Monthly                 | 1                                 |
| 114 Blockhouse Bay Rd | Auckland Central | 6 Monthly                 | 1                                 |
| 67 Dundale Ave        | Auckland Central | 6 Monthly                 | 1                                 |
| 81 Dundale Ave        | Auckland Central | 6 Monthly                 | 1                                 |
| 91 Dundale Ave        | Auckland Central | Monthly                   | 1                                 |
| 50 Boundary Rd        | Auckland Central | Monthly                   | 1                                 |
| 42 Boundary Rd        | Auckland Central | Monthly                   | 1                                 |
| 123 Kinross St        | Auckland Central | Monthly                   | 1                                 |
| 14 Eleanor Pl         | Auckland Central | Monthly                   | 2                                 |
| 111 Boundary Rd       | Auckland Central | Monthly                   | 2                                 |
| 9 Meredith St         | Auckland Central | Monthly                   | 1                                 |
| 1 Meredith St         | Auckland Central | 4 Monthly                 | 2                                 |
| 1 Swinburne St        | Auckland Central | 4 Monthly                 | 3                                 |
| 18 Francis Curtis Ave | Auckland Central | 4 Monthly                 | 1                                 |
| 31 MacLaurin St       | Auckland Central | 4 Monthly                 | 2                                 |
| 46 MacLaurin St       | Auckland Central | 4 Monthly                 | 1                                 |
| 33 Margate Rd         | Auckland Central | 6 Monthly                 | 2                                 |
| 616 Blockhouse Bay Rd | Avondale         | 12 Monthly                | 1                                 |
| 19B Bolton St         | Avondale         | 12 Monthly                | 1                                 |
| 4 Bellamy Pl          | Avondale         | 12 Monthly                | 1                                 |
| 28 MacLaurin St       | Avondale         | 12 Monthly                | 1                                 |
| 584 Blockhouse Bay Rd | Avondale         | 12 Monthly                | 1                                 |

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| <b>Address</b>     | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|--------------------|---------------|---------------------------|-----------------------------------|
| 109 Taylor St      | Avondale      | 12 Monthly                | 1                                 |
| 99A Taylor St      | Avondale      | 12 Monthly                | 1                                 |
| 8 Georgina St      | Avondale      | 12 Monthly                | 1                                 |
| 2 Collingwood St   | Avondale      | 12 Monthly                | 1                                 |
| 2 Ponsonby Tce     | Avondale      | 12 Monthly                | 1                                 |
| 62 Franklin Rd     | Avondale      | 12 Monthly                | 1                                 |
| 21 Vista Cres      | Avondale      | 12 Monthly                | 1                                 |
| 32 Roberta Ave     | Avondale      | 12 Monthly                | 1                                 |
| 26A Washington Ave | Avondale      | 12 Monthly                | 1                                 |
| 9 Hartland Ave     | Avondale      | 12 Monthly                | 1                                 |
| 6 Peacock St       | Avondale      | 12 Monthly                | 1                                 |
| 225 Riddell Rd     | Avondale      | 12 Monthly                | 1                                 |
| 81 Maskell St      | Avondale      | 12 Monthly                | 1                                 |
| 2/142 Riddell Rd   | Avondale      | 12 Monthly                | 1                                 |
| 47 Robley Cres     | Avondale      | 12 Monthly                | 1                                 |
| 193 Riddell Rd     | Avondale      | 12 Monthly                | 1                                 |
| 201 Riddell Rd     | Avondale      | 12 Monthly                | 1                                 |
| 144A Riddell Rd    | Avondale      | 12 Monthly                | 1                                 |
| 2/185 Riddell Rd   | Avondale      | 12 Monthly                | 1                                 |
| 9 Abingdon Pl      | Avondale      | 12 Monthly                | 1                                 |
| 80 Bay Rd          | Avondale      | 12 Monthly                | 1                                 |
| 496 Riddell Rd     | Avondale      | 18 Monthly                | 1                                 |
| 520 Riddell Rd     | Avondale      | 18 Monthly                | 1                                 |
| 293A Riddell Rd    | Avondale      | 12 Monthly                | 1                                 |
| 291 Riddell Rd     | Avondale      | 12 Monthly                | 1                                 |
| 293A Riddell Rd    | Avondale      | 12 Monthly                | 1                                 |
| 57 Roberta Ave     | Avondale      | 12 Monthly                | 1                                 |
| 22 Domett Ave      | Avondale      | 12 Monthly                | 1                                 |
| 536 Manukau Rd     | Avondale      | 12 Monthly                | 1                                 |
| 73A Pah Rd         | Avondale      | 6 Monthly                 | 1                                 |
| 55 Empire Rd       | Avondale      | 6 Monthly                 | 1                                 |
| 3/41 Empire Rd     | Avondale      | 6 Monthly                 | 1                                 |
| 131 The Drive      | Avondale      | 6 Monthly                 | 1                                 |

| Address             | Suburb         | Frequency (months) | Number of associated pipes |
|---------------------|----------------|--------------------|----------------------------|
| 1 Heywood Cres      | Avondale       | 2 Monthly          | 1                          |
| 11 Heywood Cres     | Avondale       | 2 Monthly          | 1                          |
| 13 Heywood Cres     | Avondale       | 3 Monthly          | 2                          |
| 40 Maungakiekie Ave | Avondale       | 24 Monthly         | 1                          |
| 2/62 Woodside Rd    | Balmoral       | 12 Monthly         | 1                          |
| 23 Croydon Rd       | Blockhouse Bay | 18 Monthly         | 1                          |
| 65 Woodside Rd      | Blockhouse Bay | 18 Monthly         | 2                          |
| 64 Woodside Rd      | Blockhouse Bay | 18 Monthly         | 1                          |
| 2/62 Woodside Rd    | Blockhouse Bay | 18 Monthly         | 1                          |
| 75 Warnock St       | Blockhouse Bay | 18 Monthly         | 2                          |
| 2 Wellpark Ave      | Blockhouse Bay | 18 Monthly         | 1                          |
| 29 Rona Ave         | Blockhouse Bay | 12 Monthly         | 1                          |
| 15 Surrey Cres      | Blockhouse Bay | 12 Monthly         | 1                          |
| 14 Browning St      | Blockhouse Bay | 12 Monthly         | 1                          |
| 80 Ivanhoe Rd       | Blockhouse Bay | 12 Monthly         | 1                          |
| 28 Tawariki St      | Blockhouse Bay | 12 Monthly         | 2                          |
| 22 Tawariki St      | Blockhouse Bay | 12 Monthly         | 2                          |
| 12 Tawariki St      | Blockhouse Bay | 12 Monthly         | 1                          |
| 17 Parawai Cres     | Blockhouse Bay | 12 Monthly         | 1                          |
| 22 Parawai Cres     | Blockhouse Bay | 12 Monthly         | 1                          |
| 568 Great North Rd  | Blockhouse Bay | 12 Monthly         | 1                          |
| 465 Great North Rd  | Blockhouse Bay | 12 Monthly         | 1                          |
| 55 Crummer Rd       | Blockhouse Bay | 12 Monthly         | 1                          |
| 75 Alberton Ave     | Blockhouse Bay | 12 Monthly         | 1                          |
| 5 Rawalpindi St     | Blockhouse Bay | 12 Monthly         | 1                          |
| 19A Mount Albert St | Blockhouse Bay | 12 Monthly         | 2                          |
| 4 Erson Ave         | Blockhouse Bay | 12 Monthly         | 3                          |
| 122 Symonds St      | Blockhouse Bay | 12 Monthly         | 1                          |
| 2 Erson Ave         | Blockhouse Bay | 4 Monthly          | 1                          |
| 104 Symonds St      | Blockhouse Bay | 3 Monthly          | 2                          |
| 107 Symonds St      | Blockhouse Bay | 3 Monthly          | 1                          |
| 829B Manukau Rd     | Blockhouse Bay | 3 Monthly          | 1                          |
| 18 Windmill Rd      | Blockhouse Bay | 3 Monthly          | 1                          |

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| <b>Address</b>               | <b>Suburb</b>  | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|------------------------------|----------------|---------------------------|-----------------------------------|
| 20 Windmill Rd               | Blockhouse Bay | 3 Monthly                 | 1                                 |
| 13 Alcock St                 | Blockhouse Bay | 3 Monthly                 | 1                                 |
| 8 Eaglehurst Rd              | Blockhouse Bay | 3 Monthly                 | 1                                 |
| 295 Mount Wellington Highway | Blockhouse Bay | 3 Monthly                 | 1                                 |
| 2/25 Norre Ave               | Ellerslie      | 12 Monthly                | 2                                 |
| 414 Panama Rd                | Ellerslie      | 12 Monthly                | 1                                 |
| 87 Frederick St              | Ellerslie      | 12 Monthly                | 1                                 |
| 59 Frederick St              | Ellerslie      | 24 Monthly                | 1                                 |
| 2 Arthur St                  | Epsom          | 12 Monthly                | 1                                 |
| 12B Bel Air Dr               | Epsom          | 12 Monthly                | 1                                 |
| 20A Bel Air Dr               | Epsom          | 12 Monthly                | 1                                 |
| 1/32 Seacliffe Rd            | Epsom          | 12 Monthly                | 1                                 |
| 4 Bel Air Dr                 | Epsom          | 12 Monthly                | 1                                 |
| 2B Bel Air Dr                | Epsom          | 12 Monthly                | 1                                 |
| 9 Atkinson Ave               | Epsom          | 12 Monthly                | 1                                 |
| 54 Hokonui Rd                | Epsom          | 12 Monthly                | 1                                 |
| 25 Murdoch St                | Epsom          | 12 Monthly                | 1                                 |
| 32 Murdoch St                | Epsom          | 12 Monthly                | 1                                 |
| 20 Water St                  | Epsom          | 12 Monthly                | 1                                 |
| 18 Water St                  | Epsom          | 24 Monthly                | 1                                 |
| 8 Trenwith St                | Freemans Bay   | 12 Monthly                | 1                                 |
| 3 Trenwith St                | Freemans Bay   | 12 Monthly                | 1                                 |
| 11 Trenwith St               | Freemans Bay   | 12 Monthly                | 1                                 |
| 34 Water St                  | Freemans Bay   | 12 Monthly                | 1                                 |
| 77 High St                   | Freemans Bay   | 24 Monthly                | 1                                 |
| 4/51 Park Ave                | Glen Innes     | 12 Monthly                | 1                                 |
| 4/51 Park Ave                | Glen Innes     | 12 Monthly                | 1                                 |
| 8 Awa St                     | Glen Innes     | 12 Monthly                | 1                                 |
| 2 Lippiatt Rd                | Glen Innes     | 12 Monthly                | 1                                 |
| 50 Nikau Rd                  | Glen Innes     | 12 Monthly                | 1                                 |
| 54 Nikau Rd                  | Glen Innes     | 12 Monthly                | 1                                 |
| 22 Queen St                  | Glen Innes     | 12 Monthly                | 1                                 |
| 51 Hall Ave                  | Glen Innes     | 12 Monthly                | 1                                 |

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| <b>Address</b>     | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|--------------------|---------------|---------------------------|-----------------------------------|
| 53 Hall Ave        | Glen Innes    | 12 Monthly                | 2                                 |
| 68 Hall Ave        | Glen Innes    | 12 Monthly                | 1                                 |
| 30 Nikau Rd        | Glen Innes    | 12 Monthly                | 1                                 |
| 3A Frank Grey Pl   | Glen Innes    | 12 Monthly                | 2                                 |
| 25 Judges Bay Rd   | Glen Innes    | 12 Monthly                | 1                                 |
| 113 Brighton Rd    | Glen Innes    | 12 Monthly                | 1                                 |
| 51 Ayr St          | Glen Innes    | 12 Monthly                | 1                                 |
| 21 Ayr St          | Glen Innes    | 12 Monthly                | 1                                 |
| 51 Ayr St          | Glen Innes    | 12 Monthly                | 1                                 |
| 16 Guildford Pl    | Glen Innes    | 12 Monthly                | 1                                 |
| 4 Chiltern Cres    | Glen Innes    | 12 Monthly                | 1                                 |
| 5 Chiltern Cres    | Glen Innes    | 12 Monthly                | 1                                 |
| 15 Sloane St       | Glen Innes    | 12 Monthly                | 1                                 |
| 2 Epping St        | Glen Innes    | 12 Monthly                | 1                                 |
| 42 Line Rd         | Glen Innes    | 12 Monthly                | 1                                 |
| 32 Line Rd         | Glen Innes    | 12 Monthly                | 1                                 |
| 15 Epping St       | Glen Innes    | 12 Monthly                | 2                                 |
| 17 Epping St       | Glen Innes    | 12 Monthly                | 1                                 |
| 42 Line Rd         | Glen Innes    | 12 Monthly                | 1                                 |
| 13 Epping St       | Glendowie     | 12 Monthly                | 1                                 |
| 61 Line Rd         | Glendowie     | 12 Monthly                | 1                                 |
| 2/48 Line Rd       | Glendowie     | 12 Monthly                | 1                                 |
| 78 Line Rd         | Glendowie     | 12 Monthly                | 1                                 |
| 71B West Tamaki Rd | Glendowie     | 12 Monthly                | 1                                 |
| 21A Rowena Cres    | Glendowie     | 12 Monthly                | 1                                 |
| 160 Apirana Cres   | Glendowie     | 12 Monthly                | 1                                 |
| 44 Apirana Cres    | Glendowie     | 12 Monthly                | 1                                 |
| 15 Sloane St       | Glendowie     | 12 Monthly                | 1                                 |
| 3 Sloane St        | Glendowie     | 12 Monthly                | 1                                 |
| 38 Elstree Ave     | Glendowie     | 12 Monthly                | 1                                 |
| 7 Fenchurch St     | Glendowie     | 12 Monthly                | 1                                 |
| 24 Silverton Ave   | Glendowie     | 12 Monthly                | 1                                 |
| 209A Taniwha St    | Glendowie     | 12 Monthly                | 1                                 |

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| <b>Address</b>          | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|-------------------------|---------------|---------------------------|-----------------------------------|
| 185 Taniwha St          | Glendowie     | 12 Monthly                | 1                                 |
| 183 Taniwha St          | Glendowie     | 12 Monthly                | 1                                 |
| 10 Harlow Pl            | Glendowie     | 12 Monthly                | 1                                 |
| 4 Harlow Pl             | Glendowie     | 12 Monthly                | 1                                 |
| 32 Strathnaver Cres     | Glendowie     | 12 Monthly                | 1                                 |
| 774 Dominion Rd         | Glendowie     | 12 Monthly                | 1                                 |
| 71 Carr Rd              | Glendowie     | 12 Monthly                | 1                                 |
| 72B Melrose Rd          | Glendowie     | 12 monthly                | 1                                 |
| 645 Richardson Rd       | Glendowie     | 1 Monthly                 | 1                                 |
| 643 Richardson Rd       | Glendowie     | 1 Monthly                 | 1                                 |
| 641 Richardson Rd       | Glendowie     | 1 Monthly                 | 1                                 |
| 2 Haycock Ave           | Glendowie     | 12 Monthly                | 1                                 |
| 142 May Rd              | Glendowie     | 12 monthly                | 1                                 |
| 7 Ben James Dr          | Glendowie     | 4 Monthly                 | 2                                 |
| 15 Battersby Ave        | Glendowie     | 12 monthly                | 1                                 |
| 19 Battersby Ave        | Glendowie     | 12 monthly                | 1                                 |
| 610 Hillsborough Rd     | Glendowie     | 12 monthly                | 1                                 |
| 612 Hillsborough Rd     | Glendowie     | 12 Monthly                | 1                                 |
| 103 White Swan Rd       | Glendowie     | 12 Monthly                | 1                                 |
| 97 White Swan Rd        | Glendowie     | 12 Monthly                | 1                                 |
| 95 White Swan Rd        | Glendowie     | 12 Monthly                | 1                                 |
| 304 Neilson St          | Glendowie     | 12 Monthly                | 1                                 |
| 1/5 Industry Rd         | Glendowie     | 24 Monthly                | 2                                 |
| 431 Church Street East  | Grafton       | 6 Monthly                 | 1                                 |
| 421- Church Street East | Grafton       | 6 Monthly                 | 1                                 |
| 27 Liley Pl             | Grey Lynn     | 12 Monthly                | 1                                 |
| 14 Nordon Pl            | Grey Lynn     | 12 Monthly                | 1                                 |
| 28 Ladies Mile          | Grey Lynn     | 12 Monthly                | 1                                 |
| 9B Abbots Way           | Grey Lynn     | 12 Monthly                | 2                                 |
| 83A Benson Rd           | Grey Lynn     | 12 Monthly                | 1                                 |
| 167B Orakei Rd          | Grey Lynn     | 12 Monthly                | 1                                 |
| 1/159 Orakei Rd         | Grey Lynn     | 12 Monthly                | 1                                 |
| 17 Dilworth Ave         | Grey Lynn     | 12 Monthly                | 1                                 |

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| Address            | Suburb       | Frequency (months) | Number of associated pipes |
|--------------------|--------------|--------------------|----------------------------|
| 14 Stirling St     | Grey Lynn    | 6 Monthly          | 1                          |
| 28 Spencer St      | Herne Bay    | 12 Monthly         | 1                          |
| 17 Te Kowhai Pl    | Herne Bay    | 12 Monthly         | 1                          |
| 47 Ridings Rd      | Herne Bay    | 12 Monthly         | 1                          |
| 44 Mahoe Rd        | Herne Bay    | 12 Monthly         | 1                          |
| 87 Koraha St       | Herne Bay    | 12 Monthly         | 1                          |
| 17 Baden Powell Pl | Herne Bay    | 12 monthly         | 1                          |
| 15 Baden Powell Pl | Herne Bay    | 12 monthly         | 1                          |
| 105 Grand Dr       | Herne Bay    | 12 monthly         | 1                          |
| 116W Michaels Ave  | Herne Bay    | 12 monthly         | 1                          |
| 2/118 Michaels Ave | Herne Bay    | 6 Monthly          | 1                          |
| 22C Corinth St     | Herne Bay    | 2 Monthly          | 1                          |
| 10 Corinth St      | Herne Bay    | 2 Monthly          | 1                          |
| 30 Platina St      | Herne Bay    | 2 Monthly          | 1                          |
| 12 Sarawia St      | Hillsborough | 12 Monthly         | 1                          |
| 6A/59 Victoria Ave | Hillsborough | 12 Monthly         | 1                          |
| 75 Victoria Ave    | Hillsborough | 12 monthly         | 1                          |
| 93 Victoria Ave    | Hillsborough | 12 monthly         | 2                          |
| 69A Waiaturua Rd   | Hillsborough | 12 monthly         | 1                          |
| 75B Waiaturua Rd   | Hillsborough | 12 monthly         | 1                          |
| 91 Waiaturua Rd    | Hillsborough | 12 monthly         | 1                          |
| 93 Waiaturua Rd    | Hillsborough | 12 monthly         | 1                          |
| 106 Waiaturua Rd   | Hillsborough | 12 monthly         | 2                          |
| 6 Scherff Rd       | Hillsborough | 12 monthly         | 1                          |
| 89 Nuffield St     | Hillsborough | 12 monthly         | 1                          |
| 84 Reihana St      | Hillsborough | 12 monthly         | 1                          |
| 15 Dempsey St      | Hillsborough | 12 monthly         | 1                          |
| 47 Combes Rd       | Hillsborough | 12 monthly         | 2                          |
| 49 Combes Rd       | Hillsborough | 12 Monthly         | 4                          |
| 3/121 Remuera Rd   | Hillsborough | 12 Monthly         | 3                          |
| 108A Gowing St     | Hillsborough | 12 Monthly         | 1                          |
| 27 Maioro St       | Hillsborough | 12 Monthly         | 2                          |
| 11A Maioro St      | Hillsborough | 18 Monthly         | 1                          |



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| <b>Address</b>      | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|---------------------|---------------|---------------------------|-----------------------------------|
| 202 New Windsor Rd  | Hillsborough  | 18 Monthly                | 1                                 |
| 204 New Windsor Rd  | Hillsborough  | 4 Monthly                 | 1                                 |
| 128 Arney Rd        | Hillsborough  | 4 Monthly                 | 1                                 |
| 26 Whitney St       | Hillsborough  | 4 Monthly                 | 1                                 |
| 9 Leinster St       | Hillsborough  | 4 Monthly                 | 1                                 |
| 9 Coronia Cres      | Hillsborough  | 4 Monthly                 | 2                                 |
| 59 Coronia Cres     | Hillsborough  | 4 Monthly                 | 1                                 |
| 55 Coronia Cres     | Hillsborough  | 6 Monthly                 | 3                                 |
| 67 Coronia Cres     | Kingsland     | 6 Monthly                 | 1                                 |
| 36 Sylvania Cres    | Kingsland     | 6 Monthly                 | 1                                 |
| 1/10 Himalya Cres   | Kingsland     | 12 Monthly                | 1                                 |
| 65 Kelmarna Ave     | Kingsland     | 12 Monthly                | 1                                 |
| 63 Kelmarna Ave     | Kingsland     | 12 Monthly                | 1                                 |
| 38 Bayfield Rd      | Kingsland     | 6 Monthly                 | 1                                 |
| 2/34 Wharf Rd       | Kingsland     | 6 Monthly                 | 1                                 |
| 36 Parawai Cres     | Kohimarama    | 12 monthly                | 1                                 |
| 59A Argyle St       | Kohimarama    | 12 monthly                | 1                                 |
| 50 Albany Rd        | Kohimarama    | 12 monthly                | 1                                 |
| 1 West End Rd       | Kohimarama    | 12 monthly                | 1                                 |
| 5 West End Rd       | Kohimarama    | 12 monthly                | 1                                 |
| 25 Clarence St      | Kohimarama    | 12 monthly                | 1                                 |
| 35 Clarence St      | Kohimarama    | 12 Monthly                | 2                                 |
| 41 Clarence St      | Kohimarama    | 12 Monthly                | 1                                 |
| 32 Nikau St         | Kohimarama    | 12 Monthly                | 1                                 |
| 4 Kestral Pl        | Kohimarama    | 6 Monthly                 | 1                                 |
| 328 West Tamaki Rd  | Kohimarama    | 6 Monthly                 | 1                                 |
| 29 Allum St         | Kohimarama    | 4 Monthly                 | 1                                 |
| 2/304 Kohimarama Rd | Kohimarama    | 18 Monthly                | 2                                 |
| 19 Whytehead Cres   | Lynfield      | 12 Monthly                | 1                                 |
| 72 John Rymer Pl    | Lynfield      | 12 Monthly                | 1                                 |
| 114A Allum St       | Lynfield      | 12 Monthly                | 1                                 |
| 19 Hawera Rd        | Lynfield      | 12 Monthly                | 1                                 |
| 54 Thatcher St      | Lynfield      | 12 Monthly                | 1                                 |

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| <b>Address</b>         | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|------------------------|---------------|---------------------------|-----------------------------------|
| 40 Southern Cross Rd   | Lynfield      | 12 Monthly                | 1                                 |
| 71 Baddeley Ave        | Lynfield      | 12 Monthly                | 2                                 |
| 55 Southern Cross Rd   | Lynfield      | 12 Monthly                | 3                                 |
| 222 Hillsborough Rd    | Lynfield      | 12 Monthly                | 1                                 |
| 228 Hillsborough Rd    | Lynfield      | 12 Monthly                | 3                                 |
| 5 Lilac Grv            | Lynfield      | 12 Monthly                | 1                                 |
| 8 Lilac Grv            | Lynfield      | 4 Monthly                 | 2                                 |
| 10 Fickling Ave        | Lynfield      | 4 Monthly                 | 1                                 |
| 46 Carlton St          | Lynfield      | 4 Monthly                 | 1                                 |
| 6 Stephen Lysnar Pl    | Lynfield      | 6 Monthly                 | 1                                 |
| 2 Mcilroy Ave          | Lynfield      | 6 Monthly                 | 1                                 |
| 1 Carlton St           | Lynfield      | 24 Monthly                | 1                                 |
| 74 Olsen Ave           | Meadowbank    | 12 Monthly                | 1                                 |
| 78 Olsen Ave           | Meadowbank    | 12 Monthly                | 1                                 |
| 62 Melrose Rd          | Meadowbank    | 12 Monthly                | 1                                 |
| 59B Wainui Ave         | Meadowbank    | 12 Monthly                | 1                                 |
| 61 Walmer Rd           | Meadowbank    | 12 Monthly                | 1                                 |
| 35 St Michaels Ave     | Meadowbank    | 12 Monthly                | 1                                 |
| 13 Novar Pl            | Meadowbank    | 12 Monthly                | 3                                 |
| 68 Smale St            | Melons Bay    | 12 Monthly                | 1                                 |
| 64 Smale St            | Melons Bay    | 12 Monthly                | 1                                 |
| 15 Berridge Ave        | Melons Bay    | 12 Monthly                | 1                                 |
| 55 Alberta St          | Mission Bay   | 12 monthly                | 2                                 |
| 60A Alberta St         | Mission Bay   | 12 Monthly                | 1                                 |
| 33 Target St           | Mission Bay   | 6 Monthly                 | 1                                 |
| 39 Target St           | Mission Bay   | 2 Monthly                 | 1                                 |
| 9 Katoa St             | Mission Bay   | 2 Monthly                 | 1                                 |
| 37 Humariri St         | Mission Bay   | 2 Monthly                 | 1                                 |
| 19 Faulder Ave         | Mission Bay   | 2 Monthly                 | 1                                 |
| 26 Sunny Brae Cres     | Mission Bay   | 2 Monthly                 | 1                                 |
| 53 Felton Mathew Ave   | Mission Bay   | 2 Monthly                 | 1                                 |
| 2/35 Felton Mathew Ave | Mission Bay   | 2 Monthly                 | 1                                 |
| 1/10 Lush Ave          | Mission Bay   | 2 Monthly                 | 1                                 |

| Address                | Suburb           | Frequency (months) | Number of associated pipes |
|------------------------|------------------|--------------------|----------------------------|
| 24 Thorp St            | Mission Bay      | 2 Monthly          | 1                          |
| 25A Cape Horn Rd       | Mission Bay      | 18 Monthly         | 1                          |
| 1 Abidong Pl           | Mission Bay      | 18 Monthly         | 2                          |
| 3 Abidong Pl           | Mission Bay      | 18 Monthly         | 1                          |
| 384 Riddell Rd         | Mission Bay      | 18 Monthly         | 1                          |
| 17 Abbots Way          | Mission Bay      | 18 Monthly         | 1                          |
| 2/31A Abbots Way       | Mission Bay      | 18 Monthly         | 1                          |
| 47 Colchester Ave      | Mount Albert     | 12 Monthly         | 1                          |
| 39 Colchester Ave      | Mount Albert     | 12 Monthly         | 1                          |
| 118A Riddell Rd        | Mount Albert     | 12 Monthly         | 1                          |
| 32 Karaka Park Pl      | Mount Albert     | 12 Monthly         | 1                          |
| 12 Karaka Park Pl      | Mount Eden       | 12 Monthly         | 1                          |
| 75 Edmund St           | Mount Eden       | 12 Monthly         | 2                          |
| 47 Kitemoana St        | Mount Eden       | 12 Monthly         | 1                          |
| 14 Helen Pl            | Mount Eden       | 12 Monthly         | 1                          |
| 54 The Parade          | Mount Eden       | 12 Monthly         | 1                          |
| 8A Rarangi Rd          | Mount Eden       | 12 Monthly         | 1                          |
| 384 Tamaki Dr          | Mount Eden       | 12 Monthly         | 2                          |
| 5 Clarendon Rd         | Mount Eden       | 6 Monthly          | 1                          |
| 55A Polygon Rd         | Mount Eden       | 18 Monthly         | 1                          |
| 9 Clarendon Rd         | Mount Eden       | 18 Monthly         | 1                          |
| 2/13 Clarendon Rd      | Mount Wellington | 12 Monthly         | 1                          |
| 37 Clarendon Rd        | Mount Wellington | 12 Monthly         | 2                          |
| 411 Tamaki Dr          | Mount Wellington | 12 Monthly         | 3                          |
| 384 Tamaki Dr          | Mt Albert        | 12 Monthly         | 1                          |
| 16 St Heliers Bay Rd   | Mt Albert        | 12 Monthly         | 1                          |
| 272A St Heliers Bay Rd | Mt Albert        | 6 Monthly          | 1                          |
| 12 West Tamaki Rd      | Mt Albert        | 6 Monthly          | 1                          |
| 2 St Heliers Bay Rd    | Mt Roskill       | 12 Monthly         | 1                          |
| 253 St Heliers Bay Rd  | Mt Roskill       | 12 Monthly         | 1                          |
| 259 St Heliers Bay Rd  | Mt Roskill       | 12 Monthly         | 1                          |
| 2A Rarangi Rd          | Mt Roskill       | 12 Monthly         | 1                          |
| 39B Vale Rd            | Mt Roskill       | 12 Monthly         | 1                          |

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| Address                 | Suburb     | Frequency (months) | Number of associated pipes |
|-------------------------|------------|--------------------|----------------------------|
| 3/47 Vale Rd            | Mt Roskill | 12 Monthly         | 2                          |
| 2C Rarangi Rd           | Mt Roskill | 12 Monthly         | 1                          |
| 37 Vale Rd              | Mt Roskill | 12 Monthly         | 1                          |
| 3/55 Claredon Rd        | Mt Roskill | 12 Monthly         | 1                          |
| 55 Claredon Rd          | Mt Roskill | 12 Monthly         | 1                          |
| 71 Grampian Rd          | Mt Roskill | 12 Monthly         | 1                          |
| 80 Grampian Rd          | Mt Roskill | 12 Monthly         | 2                          |
| 10 Karaka Park Pl       | Mt Roskill | 12 Monthly         | 1                          |
| 410 Riddell Rd          | Mt Roskill | 12 Monthly         | 1                          |
| 388 Riddell Rd          | Mt Roskill | 12 Monthly         | 1                          |
| 16 Karaka Park Pl       | Mt Roskill | 12 Monthly         | 1                          |
| 28 Karaka Park Pl       | Mt Roskill | 12 Monthly         | 1                          |
| 4/24 Commodore Dr       | Mt Roskill | 12 Monthly         | 2                          |
| 30 Commodore Dr         | Mt Roskill | 12 Monthly         | 1                          |
| 23 Commodore Dr         | Mt Roskill | 12 Monthly         | 1                          |
| 43 Dundale Ave          | Mt Roskill | 12 Monthly         | 2                          |
| 71 Felton Mathews Ave   | Mt Roskill | 6 Monthly          | 2                          |
| 124- Felton Mathews Ave | Mt Roskill | 6 Monthly          | 2                          |
| 120- Felton Mathews Ave | Mt Roskill | 12 Monthly         | 1                          |
| 110 Felton Mathews Ave  | Mt Roskill | 12 Monthly         | 1                          |
| 106- Felton Mathews Ave | Mt Roskill | 12 Monthly         | 1                          |
| 26A Frederick St        | Mt Roskill | 12 Monthly         | 1                          |
| 24 Frederick St         | Mt Roskill | 12 Monthly         | 1                          |
| 15 Frederick St         | Mt Roskill | 6 Monthly          | 1                          |
| 36 Frederick St         | Mt Roskill | 6 Monthly          | 1                          |
| 29 Freeland Ave         | Mt Roskill | 6 Monthly          | 1                          |
| 6 Balfron Ave           | Mt Roskill | 6 Monthly          | 1                          |
| 33 Freeland Ave         | Mt Roskill | 6 Monthly          | 1                          |
| 18 Kallu Cres           | Mt Roskill | 6 Monthly          | 1                          |
| 26A Kallu Cres          | Mt Roskill | 6 Monthly          | 1                          |
| 4 Carr Rd               | Mt Roskill | 6 Monthly          | 1                          |
| 61 Freeland Ave         | Mt Roskill | 6 Monthly          | 1                          |
| 8 Gothic Pl             | Mt Roskill | 4 Monthly          | 2                          |

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| <b>Address</b>        | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|-----------------------|---------------|---------------------------|-----------------------------------|
| 6 Castle St           | Mt Roskill    | 4 Monthly                 | 1                                 |
| 67 Sarsfield St       | Mt Roskill    | 4 Monthly                 | 3                                 |
| 4A Bellwood Ave       | Mt Roskill    | 4 Monthly                 | 1                                 |
| 3/94 School Rd        | Mt Roskill    | 4 Monthly                 | 2                                 |
| 41 Don Croot St       | Mt Roskill    | 4 Monthly                 | 1                                 |
| 8 Sarsfield St        | Mt Roskill    | 4 Monthly                 | 1                                 |
| 28 Sarsfield St       | Mt Roskill    | 4 Monthly                 | 3                                 |
| 46 Warf Rd            | Mt Roskill    | 6 Monthly                 | 2                                 |
| 10A Howard Hunter Ave | Mt Roskill    | 6 Monthly                 | 2                                 |
| 12 Howard Hunter Ave  | Mt Roskill    | 6 Monthly                 | 1                                 |
| 8 Howard Hunter Ave   | Mt Roskill    | 6 Monthly                 | 1                                 |
| 100 Ireland Rd        | Mt Roskill    | 6 Monthly                 | 1                                 |
| 33 Cleary Rd          | Mt Roskill    | 6 Monthly                 | 1                                 |
| 22 Cleary Rd          | Mt Roskill    | 6 Monthly                 | 1                                 |
| 16 Cleary Rd          | Mt Roskill    | 6 Monthly                 | 1                                 |
| 52 Ireland Rd         | Mt Roskill    | 4 Monthly                 | 1                                 |
| 74A Ireland Rd        | Mt Roskill    | 4 Monthly                 | 3                                 |
| 34 Kingsland Ave      | Mt Roskill    | 4 Monthly                 | 2                                 |
| 38 Kingsland Ave      | Mt Wellington | 6 Monthly                 | 1                                 |
| 3 Kingsland Ave       | Mt Wellington | 6 Monthly                 | 1                                 |
| 14 Knight Ave         | Mt Wellington | 6 Monthly                 | 1                                 |
| 112 Taylors Rd        | Mt Wellington | 6 Monthly                 | 1                                 |
| 7 Lyon Ave            | Mt Wellington | 6 Monthly                 | 1                                 |
| 86 Marsden Ave        | Mt Wellington | 4 Monthly                 | 1                                 |
| 97 St Johns Rd        | Mt Wellington | 6 Monthly                 | 1                                 |
| 84 Meadowbank Rd      | Mt Wellington | 6 Monthly                 | 3                                 |
| 15 Lucia Glade        | Mt Wellington | 6 Monthly                 | 1                                 |
| 9 Harapaki Rd         | Mt Wellington | 6 Monthly                 | 1                                 |
| 107A Meadowbank Rd    | Mt Wellington | 6 Monthly                 | 1                                 |
| 82A Wolverton St      | Mt Wellington | 6 Monthly                 | 1                                 |
| 6 Otira St            | Mt Wellington | 18 Monthly                | 1                                 |
| 30A Miranda St        | Mt Wellington | 18 Monthly                | 1                                 |
| 3A McCullough Ave     | Mt Wellington | 18 Monthly                | 2                                 |

| Address                | Suburb        | Frequency (months) | Number of associated pipes |
|------------------------|---------------|--------------------|----------------------------|
| 25 Paritai Dr          | Mt Wellington | 18 Monthly         | 1                          |
| 103 Pilkington Rd      | Mt Wellington | 4 Monthly          | 3                          |
| 111 Pilkington Rd      | Mt Wellington | 4 Monthly          | 1                          |
| 25 Torino St           | Mt Wellington | 4 Monthly          | 1                          |
| 27 Torino St           | Mt Wellington | 4 Monthly          | 2                          |
| 19 Oran Rd             | Mt Wellington | 24 Monthly         | 2                          |
| 23 Domain Rd           | Mt Wellington | 24 Monthly         | 1                          |
| 13 Domain Rd           | Mt Wellington | 6 Monthly          | 1                          |
| 132 Point England Rd   | Mt Wellington | 4 Monthly          | 2                          |
| 5 Rki Rd               | Mt Wellington | 4 Monthly          | 1                          |
| 7 Rki Rd               | Mt Wellington | 4 Monthly          | 2                          |
| 2 Erima Ave            | New Lynn      | 4 Monthly          | 2                          |
| 91 Point England Rd    | New Market    | 12 Monthly         | 1                          |
| 95 Point England Rd    | New Market    | 12 Monthly         | 1                          |
| 4 Chiltren Cres        | New Market    | 18 Monthly         | 1                          |
| 67 Elstree Ave         | New Market    | 18 Monthly         | 1                          |
| 73 Elstree Ave         | New Windsor   | 12 Monthly         | 1                          |
| 212 Riverside Ave      | New Windsor   | 12 Monthly         | 1                          |
| 159 Riverside Ave      | New Windsor   | 12 Monthly         | 1                          |
| 8E Maybury St          | New Windsor   | 12 Monthly         | 2                          |
| Purewa Bridge Abutment | New Windsor   | 12 Monthly         | 3                          |
| 6 Rendcomb Pl          | New Windsor   | 12 Monthly         | 1                          |
| 10 Rendcomb Pl         | New Windsor   | 6 Monthly          | 1                          |
| 29A Rukutai St         | New Windsor   | 6 Monthly          | 1                          |
| 90 Kiwitea St          | New Windsor   | 6 Monthly          | 1                          |
| 168 Haverstock Rd      | New Windsor   | 6 Monthly          | 1                          |
| 1408- Great North Rd   | New Windsor   | 6 Monthly          | 1                          |
| 26 Macpherson St       | Newmarket     | 6 Monthly          | 1                          |
| 26 Stamford Park Rd    | Newmarket     | 6 Monthly          | 1                          |
| 190 Stoddard Rd        | Newmarket     | 4 Monthly          | 1                          |
| 192 Stoddard Rd        | Newton        | 12 Monthly         | 1                          |
| 236 Richardson Rd      | Newton        | 4 Monthly          | 1                          |
| 120 Stoddard Rd        | Onehunga      | 12 Monthly         | 1                          |

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| Address                   | Suburb   | Frequency (months) | Number of associated pipes |
|---------------------------|----------|--------------------|----------------------------|
| 12 Wairiki Rd             | Onehunga | 12 Monthly         | 1                          |
| 57A Bremner Ave           | Onehunga | 12 Monthly         | 1                          |
| 55 Spencer St             | Onehunga | 12 Monthly         | 1                          |
| 29 Victoria Ave           | Onehunga | 12 Monthly         | 1                          |
| 29 Victoria Ave           | Onehunga | 12 Monthly         | 1                          |
| 32 Maranui Ave            | Onehunga | 12 Monthly         | 1                          |
| 5A Cadman Ave             | Onehunga | 12 Monthly         | 1                          |
| 1/1449 Great North Rd     | Onehunga | 12 Monthly         | 1                          |
| 39 Fairlands Ave          | Onehunga | 24 Monthly         | 1                          |
| 19B Hadfield Ave          | Onehunga | 4 Monthly          | 1                          |
| 37 Saltair St             | Onehunga | 4 Monthly          | 1                          |
| 44 Fairlands Ave          | Onehunga | 4 Monthly          | 1                          |
| 5/42 Fairlands Ave        | Onehunga | 4 Monthly          | 1                          |
| 2- Watts St               | Onehunga | 4 Monthly          | 1                          |
| 24 Winsomere Cres         | Onehunga | 4 Monthly          | 2                          |
| 92 Warnock St             | Orakei   | 12 Monthly         | 1                          |
| 39 William Denny Ave      | Orakei   | 12 monthly         | 1                          |
| 23 West End Rd            | Orakei   | 12 Monthly         | 1                          |
| 19 West End Rd            | Orakei   | 18 Monthly         | 1                          |
| 13 Hamlin Rd              | Otahuhu  | 12 Monthly         | 1                          |
| 237 Mt Wellington Hwy     | Otahuhu  | 12 Monthly         | 1                          |
| 19A Auckland Rd           | Otahuhu  | 12 Monthly         | 2                          |
| 6-8 Auckland Rd           | Otahuhu  | 12 Monthly         | 2                          |
| 2 Comins Cres             | Otahuhu  | 12 Monthly         | 1                          |
| 219A Tamaki Drv           | Otahuhu  | 12 Monthly         | 1                          |
| 227 Tamaki Drv            | Otahuhu  | 12 Monthly         | 2                          |
| 419 Ellerslie Panmure Hwy | Otahuhu  | 12 Monthly         | 2                          |
| 84 Wolverton Sr           | Otahuhu  | 12 Monthly         | 1                          |
| 122A Ash St               | Otahuhu  | 12 Monthly         | 1                          |
| 151 Ash St                | Otahuhu  | 12 Monthly         | 1                          |
| 12B Patteson Ave          | Otahuhu  | 12 Monthly         | 1                          |
| 14A Patteson Ave          | Otahuhu  | 12 Monthly         | 1                          |
| 2 Ronaki Rd               | Otahuhu  | 12 Monthly         | 1                          |

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| <b>Address</b>             | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|----------------------------|---------------|---------------------------|-----------------------------------|
| 15 Marau Cres              | Otahuhu       | 12 Monthly                | 1                                 |
| 15 Patteson Ave            | Otahuhu       | 12 Monthly                | 1                                 |
| 2/16 Atkin Ave             | Otahuhu       | 12 Monthly                | 1                                 |
| 1/45 Tamaki Dr             | Otahuhu       | 12 Monthly                | 1                                 |
| 4/2 Atkin Ave              | Otahuhu       | 12 Monthly                | 1                                 |
| 35 Tamaki Dr               | Otahuhu       | 12 Monthly                | 1                                 |
| 30 Beresford SQ            | Otahuhu       | 12 Monthly                | 3                                 |
| 2-4 Castlewood Grv         | Otahuhu       | 12 Monthly                | 1                                 |
| 45 Boston Rd               | Otahuhu       | 12 Monthly                | 1                                 |
| 45 Boston Rd               | Otahuhu       | 4 Monthly                 | 3                                 |
| 38 Caen Rd                 | Otahuhu       | 4 Monthly                 | 3                                 |
| 78 Hayr Rd                 | Otahuhu       | 4 Monthly                 | 1                                 |
| 4 Carr Rd                  | Otahuhu       | 4 Monthly                 | 2                                 |
| 2 Carr Rd                  | Otahuhu       | 4 Monthly                 | 1                                 |
| 107 Hillsborough Rd        | Otahuhu       | 4 Monthly                 | 1                                 |
| 103 Hillsborough Rd        | Otahuhu       | 2 Monthly                 | 1                                 |
| 419 Church St              | Otahuhu       | 2 Monthly                 | 1                                 |
| 421- Church St             | Otahuhu       | 2 Monthly                 | 1                                 |
| 417 Church St              | Otahuhu       | 2 Monthly                 | 1                                 |
| 419 Ellerslie-Panmure Hwy  | Otahuhu       | 2 Monthly                 | 2                                 |
| 13 Clare Pl                | Otahuhu       | 2 Monthly                 | 2                                 |
| 12 Commerce St             | Otahuhu       | 2 Monthly                 | 1                                 |
| 1 Emily Pl                 | Otahuhu       | 2 Monthly                 | 1                                 |
| 79 Customs St-E            | Otahuhu       | 4 Monthly                 | 2                                 |
| 41-51 Customs St-E         | Otahuhu       | 4 Monthly                 | 1                                 |
| 23 Customs St-E            | Otahuhu       | 4 Monthly                 | 4                                 |
| 22-32 Queen St             | Otahuhu       | 6 Monthly                 | 1                                 |
| 11 Beach Rd                | Otahuhu       | 6 Monthly                 | 1                                 |
| 2 Emily Pl                 | Otahuhu       | 6 Monthly                 | 3                                 |
| 57 Fort St                 | Otahuhu       | 6 Monthly                 | 1                                 |
| 53 Fort St                 | Otahuhu       | 6 Monthly                 | 1                                 |
| 95 Customs St              | Otahuhu       | 6 Monthly                 | 2                                 |
| 509- Ellerslie-Panmure Hwy | Otahuhu       | 6 Monthly                 | 1                                 |



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| <b>Address</b>            | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|---------------------------|---------------|---------------------------|-----------------------------------|
| 509- Ellersie-Panmure Hwy | Otahuhu       | 6 Monthly                 | 2                                 |
| 519 Ellersie-Panmure Hwy  | Otahuhu       | 6 Monthly                 | 1                                 |
| 9 McCracken Rd            | Otahuhu       | 6 Monthly                 | 2                                 |
| 10 McCracken Rd           | Otahuhu       | 6 Monthly                 | 1                                 |
| 6 McDonald Cres           | Owairaka      | 6 Monthly                 | 1                                 |
| 7 McDonald Cres           | Owairaka      | 6 Monthly                 | 2                                 |
| 2-8 Nelson St             | Owairaka      | 6 Monthly                 | 1                                 |
| 26-28 Hobson St           | Owairaka      | 6 Monthly                 | 1                                 |
| 68 Victoria St-W          | Owairaka      | 18 Monthly                | 2                                 |
| 109- Albert St            | Panmure       | 12 Monthly                | 1                                 |
| Federal St                | Panmure       | 12 Monthly                | 1                                 |
| 151 Waipuna Rd-E          | Panmure       | 6 Monthly                 | 2                                 |
| 151 Waipuna Rd-E          | Panmure       | 6 Monthly                 | 1                                 |
| Levene Pl                 | Panmure       | 6 Monthly                 | 1                                 |
| 14 Bowden Rd              | Panmure       | 6 Monthly                 | 2                                 |
| 624 Mt Wellington Highway | Panmure       | 12 Monthly                | 1                                 |
| 8 Hillside Rd             | Panmure       | 12 Monthly                | 1                                 |
| 14 Hillside Rd            | Panmure       | 12 Monthly                | 1                                 |
| 15 Hillside Rd            | Panmure       | 12 Monthly                | 1                                 |
| 4 Alcock St               | Panmure       | 12 Monthly                | 1                                 |
| 2A Fairholme Ave          | Panmure       | 12 Monthly                | 1                                 |
| 30 Atherton Rd            | Panmure       | 12 Monthly                | 1                                 |
| 34 Arthur St              | Panmure       | 6 Monthly                 | 1                                 |
| 4 Rangipawa Rd            | Parnell       | 12 Monthly                | 1                                 |
| 21 Emerson St             | Parnell       | 12 Monthly                | 1                                 |
| 3 Nihill Cres             | Parnell       | 12 Monthly                | 3                                 |
| 55C Atkin Ave             | Parnell       | 12 Monthly                | 1                                 |
| 57 Atkin Ave              | Parnell       | 12 Monthly                | 1                                 |
| 49 Atkin Ave              | Parnell       | 6 Monthly                 | 2                                 |
| 90 Aotea St               | Parnell       | 6 Monthly                 | 1                                 |
| 21 Atkin Ave              | Parnell       | 3 Monthly                 | 1                                 |
| 89 Nuffield St            | Parnell       | 3 Monthly                 | 2                                 |
| 40 Broadway               | Parnell       | 6 Monthly                 | 1                                 |

| Address            | Suburb        | Frequency (months) | Number of associated pipes |
|--------------------|---------------|--------------------|----------------------------|
| 10 Coates Ave      | Penrose       | 12 Monthly         | 1                          |
| 12 Ferndale Rd     | Penrose       | 6 Monthly          | 1                          |
| 80 Frank Grey Pl   | Penrose       | 6 Monthly          | 1                          |
| 82 Frank Grey Pl   | Penrose       | 6 Monthly          | 2                          |
| 86 Frank Grey Pl   | Penrose       | 6 Monthly          | 1                          |
| 10 Curlew Bay Rd   | Penrose       | 6 Monthly          | 1                          |
| 3 Curlew Bay Rd    | Penrose       | 6 Monthly          | 2                          |
| 56 Water St        | Penrose       | 6 Monthly          | 1                          |
| 3 Curlew Bay Rd    | Penrose       | 6 Monthly          | 1                          |
| 24 Gifford Ave     | Penrose 12M   | 12 Monthly         | 1                          |
| 22A Gifford Ave    | Penrose 12M   | 12 Monthly         | 3                          |
| 71 Gifford Ave     | Point England | 12 Monthly         | 1                          |
| 34 Gifford Ave     | Point England | 12 Monthly         | 1                          |
| 5 Gifford Ave      | Point England | 12 Monthly         | 1                          |
| 59 Grampian Rd     | Point England | 12 Monthly         | 1                          |
| 69 Grampian Rd     | Point England | 12 Monthly         | 1                          |
| 71 Grampian Rd     | Point England | 12 Monthly         | 1                          |
| 77 Grampian Rd     | Point England | 12 Monthly         | 1                          |
| 81 Grampian Rd     | Point England | 12 Monthly         | 1                          |
| 104 Grampian Rd    | Ponsonby      | 12 Monthly         | 1                          |
| 205 St Andrews Rd  | Ponsonby      | 12 Monthly         | 1                          |
| 51 Goodwall St     | Ponsonby      | 12 Monthly         | 1                          |
| 58 Goodwall St     | Ponsonby      | 12 Monthly         | 1                          |
| 55 Potter Ave      | Ponsonby      | 12 Monthly         | 2                          |
| 115 Luke St-E      | Ponsonby      | 12 monthly         | 1                          |
| 1 Deas Pl          | Ponsonby      | 12 monthly         | 1                          |
| 92 Luke St-E       | Ponsonby      | 12 monthly         | 1                          |
| 129C Luke St-E     | Ponsonby      | 6 Monthly          | 1                          |
| 115 Luke St-E      | Ponsonby      | 2 Monthly          | 3                          |
| 101A Luke St-E     | Pt Chevalier  | 12 montly          | 1                          |
| 135 Luke St-E      | Pt Chevalier  | 12 montly          | 1                          |
| 630 Mount Eden Rd  | Pt Chevalier  | 12 montly          | 1                          |
| 496 Great North Rd | Pt Chevalier  | 12 montly          | 2                          |

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| Address             | Suburb                | Frequency (months) | Number of associated pipes |
|---------------------|-----------------------|--------------------|----------------------------|
| 58 Hamer St         | Pt Chevalier          | 12 monthly         | 1                          |
| 26 Harmony Ave      | Pt Chevalier          | 12 monthly         | 1                          |
| 28 Harmony Ave      | Pt Chevalier          | 12 monthly         | 1                          |
| 57 Rawhitiroa Rd    | Pt Chevalier          | 12 monthly         | 1                          |
| 29 East St          | Pt Chevalier          | 12 monthly         | 1                          |
| 14 Silver Rd        | Pt Chevalier          | 12 monthly         | 1                          |
| 85 John Davis Rd    | Pt Chevalier          | 12 monthly         | 1                          |
| 587 Richardson Rd   | Pt Chevalier          | 12 monthly         | 1                          |
| 599 Richardson Rd   | Pt Chevalier          | 12 monthly         | 1                          |
| 54 Arundel St       | Pt Chevalier          | 2 Monthly          | 3                          |
| 52 Arundel St       | Pt Chevalier          | 24 Monthly         | 1                          |
| 51 Arundel St       | Pt England            | 12 Monthly         | 2                          |
| 20 Gregory Pl       | Purewa Inspection 12M | 12 Monthly         | 1                          |
| 73 Speight Rd       | Remuera               | 12 Monthly         | 1                          |
| 16 Leonard Rd       | Remuera               | 12 Monthly         | 1                          |
| 14 Leonard Rd       | Remuera               | 12 Monthly         | 1                          |
| 17 Leonard Rd       | Remuera               | 12 Monthly         | 1                          |
| 6 The Avenue        | Remuera               | 12 Monthly         | 1                          |
| 2/3 Flavia Pl       | Remuera               | 12 Monthly         | 1                          |
| 10 Mongorri Pl      | Remuera               | 12 Monthly         | 1                          |
| 21 The Avenue       | Remuera               | 12 Monthly         | 1                          |
| 580 Hillsborough Rd | Remuera               | 12 Monthly         | 1                          |
| 18 Orcades Pl       | Remuera               | 12 Monthly         | 1                          |
| 16 Orcades Pl       | Remuera               | 12 Monthly         | 1                          |
| 83 Maioro St        | Remuera               | 12 Monthly         | 1                          |
| 81 Maioro St        | Remuera               | 12 Monthly         | 1                          |
| 79 Maioro St        | Remuera               | 12 Monthly         | 1                          |
| 26A Manawa Rd       | Remuera               | 12 Monthly         | 1                          |
| 39 Sonia Ave        | Remuera               | 12 Monthly         | 1                          |
| 55 Marion Ave       | Remuera               | 12 Monthly         | 1                          |
| 55 Marion Ave       | Remuera               | 12 Monthly         | 3                          |
| 105A May Rd         | Remuera               | 12 Monthly         | 1                          |
| 9 McDonald St       | Remuera               | 12 Monthly         | 1                          |

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| Address           | Suburb      | Frequency (months) | Number of associated pipes |
|-------------------|-------------|--------------------|----------------------------|
| 11 Mcdonald St    | Remuera     | 12 Monthly         | 1                          |
| 1 Hobson St       | Remuera     | 12 Monthly         | 1                          |
| 2-8 Nelson St     | Remuera     | 12 Monthly         | 1                          |
| 1 Nelson St       | Remuera     | 12 Monthly         | 1                          |
| 2-8 Nelson St     | Remuera     | 12 Monthly         | 2                          |
| 137 Victoria St-W | Remuera     | 12 Monthly         | 1                          |
| 28 Alfred St      | Remuera     | 12 Monthly         | 1                          |
| 23 Commodore Dr   | Remuera     | 12 Monthly         | 1                          |
| 23 Lorraine Ave   | Remuera     | 12 Monthly         | 1                          |
| 25 Lorraine Ave   | Remuera     | 12 Monthly         | 3                          |
| Maio St           | Remuera     | 12 Monthly         | 1                          |
| 4A Christie St    | Remuera     | 12 Monthly         | 2                          |
| 92 May Rd         | Remuera     | 12 Monthly         | 1                          |
| 8 Sceptre Pl      | Remuera     | 12 Monthly         | 1                          |
| 12A Norana Ave    | Remuera     | 12 monthly         | 1                          |
| 11 Noton Rd       | Remuera     | 12 monthly         | 2                          |
| 74 O'Donnell Ave  | Remuera     | 12 Monthly         | 1                          |
| 104 O'Donnell Ave | Remuera     | 12 Monthly         | 1                          |
| 14 Orsova Pl      | Remuera     | 12 Monthly         | 1                          |
| 14 Parawai Cres   | Remuera     | 6 Monthly          | 1                          |
| 189 Park Rd       | Remuera     | 6 Monthly          | 1                          |
| 175- Park Rd      | Remuera     | 6 Monthly          | 1                          |
| 113 Brighton Rd   | Royal Oak   | 12 Monthly         | 1                          |
| 107A Brighton Rd  | Royal Oak   | 12 Monthly         | 1                          |
| 2A Ira Pl         | Royal Oak   | 12 Monthly         | 1                          |
| 93 Penny Ave      | Royal Oak   | 12 Monthly         | 1                          |
| 110 Penny Ave     | Royal Oak   | 12 Monthly         | 1                          |
| 108 Penny Ave     | Royal Oak   | 18 Monthly         | 1                          |
| 115 Penny Ave     | Royal Oak   | Monthly            | 1                          |
| 174 Penrose Rd    | Royal Oak   | Monthly            | 1                          |
| 25 Panorama Rd    | Sandringham | 12 Monthly         | 1                          |
| 69 Middleton Rd   | Sandringham | 12 Monthly         | 1                          |
| Lavas Pl          | St Heliers  | 12 monthly         | 1                          |

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| <b>Address</b>        | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|-----------------------|---------------|---------------------------|-----------------------------------|
| 99 Quay St            | St Heliers    | 12 monthly                | 1                                 |
| 24 Wellesley St       | St Heliers    | 12 monthly                | 2                                 |
| 188 Quay St           | St Heliers    | 12 monthly                | 1                                 |
| 196- Quay St          | St Heliers    | 12 Monthly                | 1                                 |
| 1 Queen St            | St Heliers    | 12 Monthly                | 1                                 |
| 104 Quay St           | St Heliers    | 12 Monthly                | 1                                 |
| 109- Quay St          | St Heliers    | 12 Monthly                | 1                                 |
| 201 Riddell Rd        | St Heliers    | 12 Monthly                | 1                                 |
| 3 Southdown Lane      | St Heliers    | 12 Monthly                | 1                                 |
| 437 Tamaki Dr         | St Heliers    | 12 Monthly                | 1                                 |
| 389 Tamaki Dr         | St Heliers    | 12 Monthly                | 1                                 |
| 15-17 Sturdee Sturdee | St Heliers    | 12 Monthly                | 1                                 |
| 25 Teed St            | St Heliers    | 12 Monthly                | 1                                 |
| 32 Tawariki St        | St Heliers    | 12 Monthly                | 1                                 |
| 6 Sainsbury Rd        | St Heliers    | 12 Monthly                | 1                                 |
| 668 New North Rd      | St Heliers    | 12 Monthly                | 1                                 |
| 58 Terry St           | St Heliers    | 12 Monthly                | 2                                 |
| 47-49 The Strand      | St Heliers    | 12 Monthly                | 1                                 |
| 55-57 The Strand      | St Heliers    | 12 monthly                | 1                                 |
| 15-19 The Strand      | St Heliers    | 12 monthly                | 1                                 |
| 1-11 The Strand       | St Heliers    | 12 monthly                | 1                                 |
| 41 Queensway          | St Heliers    | 12 monthly                | 1                                 |
| 33 Vale Rd            | St Heliers    | 12 Monthly                | 1                                 |
| 132 Customs St-W      | St Heliers    | 12 monthly                | 1                                 |
| 116 Symonds St        | St Heliers    | 12 Monthly                | 1                                 |
| 122 Symonds St        | St Heliers    | 12 Monthly                | 1                                 |
| 85-89 Customs St-W    | St Heliers    | 6 Monthly                 | 1                                 |
| 104 Customs St-W      | St Heliers    | 6 Monthly                 | 1                                 |
| 103- Customs St-W     | St Heliers    | 2 Monthly                 | 1                                 |
| 14-42 Market Pl       | St Heliers    | 2 Monthly                 | 1                                 |
| 196- Quay St          | St Heliers    | 2 Monthly                 | 1                                 |
| 83-81 Customs St-W    | St Heliers    | 2 Monthly                 | 1                                 |
| 507 Great South Rd    | St Heliers    | 2 Monthly                 | 1                                 |

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| <b>Address</b>                 | <b>Suburb</b>   | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|--------------------------------|-----------------|---------------------------|-----------------------------------|
| 12 Wanganella Pl               | St Heliers      | 2 Monthly                 | 1                                 |
| 7 Wanganella Pl                | St Heliers      | 2 Monthly                 | 2                                 |
| 19 Halsey Dr                   | St Heliers      | 2 Monthly                 | 1                                 |
| 7-15 Faraday St                | St Heliers      | 4 Monthly                 | 3                                 |
| 2 Westhaven Dr                 | St Johns        | 12 monthly                | 1                                 |
| 100 Beaumont St                | St Johns        | 12 months                 | 1                                 |
| 99 Whitney St                  | St Johns        | 12 monthly                | 1                                 |
| 147 Whitney St                 | St Johns        | 12 monthly                | 1                                 |
| 24 William Denny Ave           | St Johns        | 12 Monthly                | 1                                 |
| 19 Faulder Ave                 | St Johns        | 6 Monthly                 | 1                                 |
| 7A Faulder Ave                 | St Johns        | 6 Monthly                 | 1                                 |
| 78 Wolverton St                | St Johns        | 6 Monthly                 | 3                                 |
| 73 Wolverton St                | St Johns        | 6 Monthly                 | 1                                 |
| 41A Wright Rd                  | St Johns        | 12 Monthly                | 1                                 |
| 28-36 Hamer St                 | St Johns        | 12 Monthly                | 1                                 |
| 6-20 Jellicoe Wynyard Jellicoe | St Johns        | 12 Monthly                | 1                                 |
| 1-17 Jellicoe Wynyard Jellicoe | St Lukes        | 12 Monthly                | 1                                 |
| 2-6 Madden St                  | St Lukes        | 12 Monthly                | 1                                 |
| 4 Margate Rd                   | Tepapa          | 12 Monthly                | 1                                 |
| 2 Margate Rd                   | Three Kings     | 12 Monthly                | 1                                 |
| 333 Blockhouse Bay Rd          | Three Kings     | 12 Monthly                | 1                                 |
| 6 Miranda St                   | Three Kings     | 4 Monthly                 | 1                                 |
| 8 Miranda St                   | Wai O Taiki Bay | 12 Monthly                | 1                                 |
| 20 Miranda St                  | Wai O Taiki Bay | 12 Monthly                | 1                                 |
| 26 Miranda St                  | Waikowhai       | 12 monthly                | 1                                 |
| 78 Connaught St                | Waikowhai       | 4 Monthly                 | 1                                 |
| 2180 Great North Rd            | Waterview       | 12 Monthly                | 1                                 |
| 34 Water St                    | Waterview       | 12 Monthly                | 1                                 |
| 56 Tamaki Ave                  | Waterview       | 12 Monthly                | 1                                 |
| 38 Nikau Rd                    | Waterview       | 12 Monthly                | 1                                 |
| 76 Hall Ave                    | Waterview       | 12 Monthly                | 3                                 |
| 2 Lippiad Rd                   | Waterview       | 12 Monthly                | 1                                 |
| 41 Nikau Rd                    | Waterview       | 6 Monthly                 | 1                                 |

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| <b>Address</b>      | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|---------------------|---------------|---------------------------|-----------------------------------|
| 7 Lippiad Rd        | Waterview     | 6 Monthly                 | 2                                 |
| 19 Nikau Rd         | Waterview     | 6 Monthly                 | 1                                 |
| 17C Nikau Rd        | Westmere      | 12 Monthly                | 1                                 |
| 13 Nikau Rd         | Westmere      | 12 monthly                | 1                                 |
| 76 Station Rd       | Westmere      | 12 monthly                | 1                                 |
| 1576 Great North Rd | Westmere      | 4 Monthly                 | 2                                 |
| 1590 Great North Rd | Westmere      | 6 Monthly                 | 1                                 |
| 2 Blockhouse Bay Rd | Westmere      | 6 Monthly                 | 1                                 |
| 12 Georgina St      | Westmere Park | 6 Monthly                 | 1                                 |
| 4 Pasadena Ave      | Westmere Park | 6 Monthly                 | 1                                 |
| 22 Orcades Pl       | Westmere Park | 6 Monthly                 | 1                                 |
| 21 Windgate St      | Westmere Park | 6 Monthly                 | 1                                 |

**Table 2: Southern Region**

| Address                     | Suburb   | Frequency (Months) | Number of associated pipes |
|-----------------------------|----------|--------------------|----------------------------|
| 13 Adams Dr                 | Pukekohe | 12                 | 7                          |
| 27 Annieston/France         | Waiuku   | 12                 | 9                          |
| 29 Bayview/Sandspit         | Waiuku   | 12                 | 6                          |
| 19 Beatty Rd                | Pukekohe | 12                 | 4                          |
| Buckland Road Siphon        | Pukekohe | 6                  | 4                          |
| Crisp Ave                   | Pukekohe | 12                 | 1                          |
| 2 Frank Hewitt St           | Pukekohe | 12                 | 2                          |
| 15 Franklin Rd              | Pukekohe | 12                 | 6                          |
| 11 Helvetia Rd              | Pukekohe | 12                 | 6                          |
| 6 Heron Pl                  | Waiuku   | 12                 | 1                          |
| Holland St                  | Pukekohe | 6                  | 1                          |
| 23 Kitchener/Victoria       | Waiuku   | 6                  | 5                          |
| 12 Landscape Rd             | Pukekohe | 12                 | 1                          |
| 6 London St                 | Pukekohe | 12                 | 4                          |
| 32 Manukau Rd/Wrightson Way | Pukekohe | 12                 | 1                          |
| 25 Miro Pl/ Huia St         | Waiuku   | 12                 | 13                         |
| Nelson St                   | Pukekohe | 6                  | 2                          |
| 37 O'Connor Dr              | Pukekohe | 6                  | 4                          |
| 38 Paerata Rd- Counties Inn | Pukekohe | 6                  | 7                          |
| Paterson Ave                | Pukekohe | 6                  | 1                          |
| 26 Racecourse Rd/Golf Club  | Waiuku   | 12                 | 11                         |
| 31 Racecourse Rd/Kowhai Pl  | Waiuku   | 12                 | 5                          |
| 1 Reynolds Rd Siphon        | Pukekohe | 6                  | 3                          |
| 37 Reynolds Rd/Franklin Rd  | Pukekohe | 12                 | 2                          |
| 22 Riverside Drive 1        | Waiuku   | 6                  | 6                          |
| Riverside Drive 2           | Waiuku   | 6                  | 1                          |
| Seddon St                   | Waiuku   | 6                  | 9                          |
| 28 Shanley Cres             | Waiuku   | 12                 | 3                          |
| 5 Station Rd/Showgrounds    | Pukekohe | 12                 | 2                          |
| 14 Tobin St/Hall St         | Pukekohe | 12                 | 11                         |
| 38 Addington Ave            | Manurewa | 24                 | 1                          |
| 15 Alexander Cres           | Otara    | 24                 | 2                          |



| Address             | Suburb          | Frequency (Months) | Number of associated pipes |
|---------------------|-----------------|--------------------|----------------------------|
| 34 Alfriston Road   | Alfriston       | 24                 | 13                         |
| 50a Alfriston Road  | Alfriston       | 24                 | 1                          |
| 15 Amethyst Place   | Manukau         | 24                 | 3                          |
| 10 Antalya Pl       | Manurewa        | 24                 | 1                          |
| 61 Antrim Cres      | Otara           | 24                 | 1                          |
| 17 Archboyd Ave     | Mangere         | 24                 | 18                         |
| 81R Archboyd Avenue | Mangere         | 36                 | 16                         |
| 33 Argo Drive       | Half Moon Bay   | 12                 | 1                          |
| 13 Aviemore Dr      | Highland Park   | 12                 | 2                          |
| 139 Aviemore Dr     | Highland Park   | 24                 | 4                          |
| 49 Bader Drive      | Mangere         | 36                 | 2                          |
| 228 Bairds Road     | Otara           | 24                 | 1                          |
| 229 Bairds Road     | Otara           | 36                 | 2                          |
| 315 Bairds Road     | Otara           | 24                 | 1                          |
| 62 Bairds Road      | Otara           | 24                 | 2                          |
| 7 Bairds Road       | Otara           | 36                 | 22                         |
| 56 Beach Road       | Mellons Bay     | 24                 | 19                         |
| 25 Beaumonts Way    | Manurewa        | 24                 | 1                          |
| 61 Beaumonts Way    | Manurewa        | 36                 | 1                          |
| 103 Beechdale Cres  | Pakuranga       | 24                 | 1                          |
| 69 Beechdale Cres   | Manurewa        | 24                 | 2                          |
| 2 Benton Rd         | Manurewa        | 12                 | 2                          |
| 18 Blackgate Place  | Weymouth        | 24                 | 1                          |
| 15 Blake Road       | Mangere         | 24                 | 1                          |
| 4 Bolina Crescent   | Pakuranga       | 12                 | 1                          |
| 94R Bramley Drive   | Farm Cove       | 36                 | 22                         |
| 116 Browns Road     | Manurewa        | 36                 | 11                         |
| 126 Browns Road     | Manurewa        | 24                 | 6                          |
| 88 Buckland Road    | Mangere         | 36                 | 29                         |
| Bucklands Beach Rd  | Bucklands Beach | 24                 | 7                          |
| 24 Capstick Road    | Otara           | 36                 | 1                          |
| 38 Capstick Road    | Otara           | 12                 | 1                          |
| 48 Capstick Road    | Otara           | 12                 | 1                          |

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| Address                    | Suburb          | Frequency (Months) | Number of associated pipes |
|----------------------------|-----------------|--------------------|----------------------------|
| 52 Carnoustie Drive        | Manurewa        | 24                 | 1                          |
| 194R Cascades Rd           | Highland Park   | 36                 | 1                          |
| 155 Cavendish Drive        | Manukau         | 24                 | 1                          |
| 5 Chipping Dale            | Mangere         | 24                 | 2                          |
| 31 Christmas Road          | Manurewa        | 24                 | 2                          |
| 4 Christmas Road           | Manurewa        | 24                 | 7                          |
| 66 Christmas Road          | Manurewa        | 12                 | 1                          |
| 11 Church Rd               | Mangere         | 24                 | 2                          |
| 50 Coronation Road         | Papatoetoe      | 36                 | 16                         |
| 21 Coxhead Road            | Manurewa        | 36                 | 1                          |
| 46 Coxhead Road            | Manurewa        | 24                 | 1                          |
| 21 Crampton Place          | Manurewa        | 12                 | 5                          |
| 55 Crooks Road             | East Tamaki     | 12                 | 7                          |
| 19 Cyclades Ave            | Shelly Park     | 12                 | 1                          |
| 8 (19 Ferndown) Daphne Rd  | Papatoetoe      | 36                 | 3                          |
| 8 (19 Ferndown) Daphne Rd  | Papatoetoe      | 36                 | 7                          |
| 6 Davita Place             | Farm Cove       | 36                 | 1                          |
| 5 Derrett Place            | Mangere         | 24                 | 1                          |
| 35 Domain Road             | Weymouth        | 24                 | 9                          |
| 1R Donnell Ave             | Favona          | 12                 | 11                         |
| 19 Driscoll Place          | Farm Cove       | 24                 | 3                          |
| East Tamaki Rd             | Otara           | 24                 | 7                          |
| Pitt Ave - Ebenezer Way    | Manurewa        | 36                 | 15                         |
| 36 (Otara Road) Edward Ave | Otara           | 36                 | 2                          |
| 16 Endymion Place          | Pakuranga       | 12                 | 2                          |
| 58 Ennis Ave               | Pakuranga       | 12                 | 10                         |
| 10 Ervine Place            | Bucklands Beach | 24                 | 7                          |
| 31a Estuary Rd             | Weymouth        | 12                 | 1                          |
| 36 Everglade Drive         | Manukau         | 36                 | 1                          |
| 149a Favona Rd             | Favona          | 12                 | 1                          |
| 143 Favona Road            | Mangere         | 24                 | 15                         |
| 83 Favona Road             | Mangere         | 12                 | 2                          |
| 23 Ferguson St             | Manurewa        | 24                 | 2                          |

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| <b>Address</b>                  | <b>Suburb</b> | <b>Frequency (Months)</b> | <b>Number of associated pipes</b> |
|---------------------------------|---------------|---------------------------|-----------------------------------|
| 30 Ferguson Street              | Mangere       | 24                        | 1                                 |
| 19 Ferndown Avenue              | Papatoetoe    | 36                        | 10                                |
| 14 Finlayson Ave                | Manurewa      | 24                        | 4                                 |
| 35 Finlayson Ave                | Manurewa      | 24                        | 1                                 |
| 18 Fisher Crescent              | Otara         | 24                        | 18                                |
| 2 Freshney Place                | Hill Park     | 24                        | 2                                 |
| 2 Frobisher Way                 | Clendon Park  | 24                        | 2                                 |
| 18 Gadsby Road                  | Mangere       | 36                        | 3                                 |
| 18 Geoffrey Place               | Mangere       | 12                        | 6                                 |
| 14 Gifford Rd                   | Papatoetoe    | 24                        | 7                                 |
| 6 Gillett Place                 | Botany Downs  | 12                        | 2                                 |
| 136 Gills Rd & 6 Glennandrew Dr | Half Moon Bay | 12                        | 3                                 |
| 18R Gordon Road                 | Papatoetoe    | 36                        | 10                                |
| 24 Gossamer Dr                  | Pakuranga     | 12                        | 1                                 |
| 44R Gossamer Dr                 | Pakuranga     | 12                        | 4                                 |
| 49 Gossamer Dr                  | Pakuranga     | 12                        | 1                                 |
| 738 Great South Road            | Manurewa      | 36                        | 3                                 |
| 712 Great South Road            | Manukau       | 24                        | 7                                 |
| 135 Great South Road            | Papatoetoe    | 24                        | 8                                 |
| 320 Great South Road            | Manurewa      | 24                        | 2                                 |
| 64 Great South Road             | Manurewa      | 36                        | 1                                 |
| 108A Great South Road           | Manurewa      | 36                        | 1                                 |
| 238R Great South Road           | Manurewa      | 12                        | 5                                 |
| 40 Greenhill Cres               | Pakuranga     | 36                        | 1                                 |
| 59 Greenmeadows Ave             | Manurewa      | 24                        | 4                                 |
| 30 Halver Road                  | Manurewa      | 12                        | 7                                 |
| 4 Halver Road                   | Manurewa      | 36                        | 3                                 |
| 36 Hamill Road                  | Otara         | 36                        | 16                                |
| 84 Hamill Road                  | Otara         | 12                        | 4                                 |
| 24R Hanford Place               | Clendon Park  | 12                        | 3                                 |
| 11 Hannah Road                  | Otara         | 12                        | 1                                 |
| 15 Harvard Place                | Mangere       | 12                        | 1                                 |
| 1 Harwell Place                 | Mangere       | 36                        | 7                                 |

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| <b>Address</b>                  | <b>Suburb</b> | <b>Frequency (Months)</b> | <b>Number of associated pipes</b> |
|---------------------------------|---------------|---------------------------|-----------------------------------|
| 80 Hastie Ave                   | Mangere       | 12                        | 1                                 |
| 9 Herald Place                  | Otara         | 12                        | 1                                 |
| (34 Mascot) Heyford 36          | Mangere       | 12                        | 5                                 |
| Highland Park Drive             | Highland Park | 12                        | 4                                 |
| 66 Hillside Road                | Papatoetoe    | 36                        | 5                                 |
| 10 Hooker Place                 | Papatoetoe    | 12                        | 1                                 |
| Hope Farm Ave                   | Pakuranga     | 24                        | 1                                 |
| 1 House Ave                     | Mangere       | 12                        | 3                                 |
| 98 Howe Street                  | Howick        | 12                        | 2                                 |
| 14 Hyperion Ave                 | Randwick Park | 12                        | 2                                 |
| 90 Hyperion Drive               | Manurewa      | 24                        | 1                                 |
| 4 Hywell Pl                     | Manurewa      | 24                        | 1                                 |
| 18 - 40 Imrie Ave               | Mangere       | 36                        | 6                                 |
| 3 Janese Place                  | Clendon Park  | 12                        | 7                                 |
| 13 Jellicoe Road                | Manurewa      | 36                        | 11                                |
| 2 Jenkins Place                 | Manurewa      | 12                        | 1                                 |
| 4 Jern Place                    | Eastern Beach | 36                        | 15                                |
| 83s John Walker Drive           | Manurewa      | 12                        | 4                                 |
| 10 Jordan Road                  | Mangere       | 36                        | 27                                |
| 54 Juliet Avenue                | Howick        | 36                        | 1                                 |
| 1 Kay Road                      | Manurewa      | 36                        | 1                                 |
| 1 (22 & 34 Mascot) Kemble Close | Mangere       | 12                        | 5                                 |
| (Midvale) Kenwick 11            | Burswood      | 12                        | 1                                 |
| 131 Kerrs Road                  | Manukau       | 24                        | 10                                |
| Kevale Beaumonts Way            | Mangere       | 24                        | 3                                 |
| 12 Kirton Cres                  | Manurewa      | 12                        | 1                                 |
| 54 Kirton Cres                  | Manurewa      | 12                        | 2                                 |
| 1 Kudu Road                     | Otara         | 12                        | 1                                 |
| 7 Kudu Road                     | Otara         | 12                        | 4                                 |
| 51 Kurnell Drive                | Howick        | 12                        | 1                                 |
| 6 La Perouse                    | Howick        | 24                        | 1                                 |
| 14 Langiola Drive               | Favona        | 24                        | 1                                 |
| 13 Laureston Avenue             | Papatoetoe    | 36                        | 9                                 |

| Address                   | Suburb     | Frequency (Months) | Number of associated pipes |
|---------------------------|------------|--------------------|----------------------------|
| 21R Laureston Avenue      | Papatoetoe | 36                 | 7                          |
| 49 Lawrence Cres          | Hill Park  | 24                 | 1                          |
| 33 Leaver Place           | Weymouth   | 24                 | 1                          |
| 10 Liston Cres            | Howick     | 12                 | 1                          |
| 10 Lotus Lane             | Mangere    | 24                 | 2                          |
| Lovegrove Cres            | Otara      | 24                 | 10                         |
| 13 Lynley Place           | Pakuranga  | 36                 | 14                         |
| 5 Lyren Place             | Pakuranga  | 24                 | 1                          |
| Syphon Mahia Rd           | Manurewa   | 36                 | 2                          |
| 10 Mahia Rd               | Manurewa   | 12                 | 5                          |
| 283R Mahia Rd             | Manurewa   | 12                 | 2                          |
| 64 Mahia Road             | Mangere    | 24                 | 6                          |
| 24 Maich Road             | Manurewa   | 24                 | 4                          |
| 13 Malaspina Ave          | Papatoetoe | 24                 | 5                          |
| 10 Malaspina Place        | Papatoetoe | 36                 | 16                         |
| 26Cyclamen Res Manston Rd | Mangere    | 24                 | 8                          |
| 89 Maraetai Drive         | Maraetai   | 12                 | 1                          |
| 12 Marr Road              | Manurewa   | 24                 | 1                          |
| 36 Marr Road              | Manurewa   | 24                 | 1                          |
| 3 Martin Road             | Manurewa   | 12                 | 2                          |
| 37 Marvon Downs           | Pakuranga  | 24                 | 3                          |
| 49 Marvon Downs           | Pakuranga  | 24                 | 1                          |
| 22 Mascot Ave             | Mangere    | 12                 | 5                          |
| 34 Mascot Ave             | Mangere    | 12                 | 7                          |
| 359 Massey Road           | Mangere    | 12                 | 12                         |
| 70 McAnnalley St          | Manurewa   | 24                 | 1                          |
| 15 McInnes Rd             | Weymouth   | 6                  | 1                          |
| 30 McKean Ave             | Manurewa   | 24                 | 2                          |
| 12 McKinstry Ave          | Mangere    | 36                 | 1                          |
| 65 Meadway                | Pakuranga  | 6                  | 3                          |
| 69 Meadway                | Pakuranga  | 24                 | 1                          |
| 83 Meadway                | Sunnyhills | 12                 | 1                          |
| 64 Megan & 115 Ennis Ave  | Pakuranga  | 24                 | 3                          |

| Address                      | Suburb          | Frequency (Months) | Number of associated pipes |
|------------------------------|-----------------|--------------------|----------------------------|
| Mellons Bay Road             | Mellons Bay     | 12                 | 3                          |
| 16 Middlemore Ave            | Papatoetoe      | 12                 | 7                          |
| 31 & 33 Milton               | Papatoetoe      | 24                 | 1                          |
| 38 Molesworth Pl             | Mangere         | 36                 | 2                          |
| 3 (to Mahia PS) Mon Desir Pl | Manurewa        | 12                 | 13                         |
| 54 Moncrieff Ave             | Manurewa        | 36                 | 5                          |
| 8 Nevis Place                | Mangere         | 24                 | 3                          |
| 23 Nola Crescent             | Otara           | 36                 | 5                          |
| 55 Oliver Road               | Bucklands Beach | 24                 | 2                          |
| 55 Orams Road                | Manurewa        | 24                 | 1                          |
| 100R Otara Road              | Otara           | 36                 | 6                          |
| 112 Pah Rd                   | Papatoetoe      | 12                 | 2                          |
| 134 Pah Rd                   | Papatoetoe      | 36                 | 1                          |
| 230 Pakuranga Rd             | Pakuranga       | 24                 | 2                          |
| 81 Pakuranga Rd              | Pakuranga       | 36                 | 1                          |
| 46 Pakuranga Road            | Pakuranga       | 24                 | 8                          |
| 3 Pallant St                 | Manurewa        | 36                 | 1                          |
| 32 Palmers Rd                | Clendon Park    | 24                 | 1                          |
| 13 Perth St                  | Otara           | 36                 | 9                          |
| 21 Phoenix Place             | Papatoetoe      | 24                 | 1                          |
| 13 Pito Place                | Mangere         | 24                 | 2                          |
| 9 Pohutukawa Ave             | Shelly Park     | 24                 | 1                          |
| 98 Preston Road              | Otara           | 36                 | 1                          |
| 67 Priestley Drive           | Bucklands Beach | 12                 | 1                          |
| 106 Prince Regent            | Farm Cove       | 24                 | 1                          |
| 33R Puriri Road              | Beachlands      | 12                 | 1                          |
| 53R Raglan Street            | Mangere         | 24                 | 10                         |
| 13 Raleigh Place             | Otara           | 36                 | 15                         |
| 50 Ramsey Street             | Papatoetoe      | 12                 | 3                          |
| 136 Rangitoto Road           | Papatoetoe      | 12                 | 1                          |
| Rangitoto View Rd            | Cockle Bay      | 24                 | 2                          |
| 1 Rapson Road                | Otara           | 12                 | 16                         |
| 7 Rapson Road                | Otara           | 12                 | 1                          |

| Address                      | Suburb            | Frequency (Months) | Number of associated pipes |
|------------------------------|-------------------|--------------------|----------------------------|
| 25 Richard Road              | Mangere           | 12                 | 5                          |
| 17 Ridgemount Rise           | Mangere           | 24                 | 1                          |
| 1 Riverlea Avenue            | Pakuranga         | 36                 | 20                         |
| 155 Rowandale Ave            | Manurewa          | 24                 | 11                         |
| 18R Roys Road                | Weymouth          | 36                 | 12                         |
| 20 Royton Ave                | Mangere           | 24                 | 2                          |
| 2 Russell Rd                 | Manurewa          | 24                 | 1                          |
| 24 Sarah Place               | Farm Cove         | 6                  | 4                          |
| 14 Scenic Drive              | Hill Park         | 24                 | 3                          |
| 48 Secretariat               | Randwick Park     | 12                 | 2                          |
| 3 Seddon Ave                 | Papatoetoe        | 12                 | 6                          |
| 227 Shirley Road             | Papatoetoe        | 24                 | 1                          |
| 52 Skipton Street            | Mangere           | 12                 | 4                          |
| 5 Snell Place                | Pakuranga         | 24                 | 2                          |
| 10 Steeple Rise              | Pakuranga         | 36                 | 20                         |
| 25 Sturdee Rd                | Manurewa          | 12                 | 2                          |
| 73 Takutai                   | Half Moon Bay     | 24                 | 2                          |
| 61 Takutai Ave               | Half Moon Bay     | 36                 | 1                          |
| 66 Takutai                   | Half Moon Bay     | 36                 | 1                          |
| 1 Tampin Road                | Manurewa          | 24                 | 1                          |
| 140 Tennessee Ave            | Mangere           | 12                 | 1                          |
| 17 The Anchorage             | Pakuranga         | 24                 | 1                          |
| 22 The Anchorage             | Pakuranga         | 24                 | 1                          |
| 30 The Boulevard             | Sunnyhills        | 24                 | 1                          |
| 67R The Esplanade            | Eastern Beach     | 12                 | 3                          |
| 10 The Rosebowl              | Pakuranga         | 36                 | 11                         |
| 108 (Cardiff Rd) Ti Rakau Dr | Pakuranga         | 6                  | 2                          |
| 212 Ti Rakau                 | Pakuranga         | 24                 | 1                          |
| 2 Tomlinson Street           | Manurewa          | 24                 | 3                          |
| Trevor Hoskin Dr             | Manukau           | 36                 | 5                          |
| 72R Trimdon St               | Randwick Park     | 12                 | 1                          |
| 69 Udys Road                 | Pakuranga Heights | 12                 | 7                          |
| 15 Ulay Place                | Clover Park       | 12                 | 1                          |

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| <b>Address</b>            | <b>Suburb</b> | <b>Frequency (Months)</b> | <b>Number of associated pipes</b> |
|---------------------------|---------------|---------------------------|-----------------------------------|
| 71 Vincent Street         | Howick        | 24                        | 1                                 |
| 13 Viscount St            | Mangere       | 24                        | 1                                 |
| 11 Waikaremoana Place     | Pakuranga     | 24                        | 1                                 |
| 71R Waimahia Avenue       | Weymouth      | 36                        | 8                                 |
| Wallace 77                | Mangere       | 36                        | 1                                 |
| 44 Wellesley Road         | Mangere       | 24                        | 14                                |
| 83 Wellington Street      | Howick        | 24                        | 2                                 |
| 27 Wells Road             | Pakuranga     | 12                        | 2                                 |
| 8 Weymouth Road           | Weymouth      | 24                        | 6                                 |
| 15 Wheatley Ave           | Pakuranga     | 12                        | 1                                 |
| 1 White Road              | Manurewa      | 24                        | 1                                 |
| 38 Whiteacres Drive       | Pakuranga     | 36                        | 14                                |
| 12V Windsong              | Howick        | 24                        | 3                                 |
| 18 Windsong               | Howick        | 12                        | 1                                 |
| Wiri Station Rd           | Manukau       | 36                        | 3                                 |
| 6 Wood Ave                | Mangere       | 36                        | 1                                 |
| 55 Woolfield Road         | Papatoetoe    | 36                        | 1                                 |
| 136 Wordsworth Road       | Manurewa      | 36                        | 3                                 |
| 12 Clyside Avenue         | Half Moon Bay | 24                        | 1                                 |
| 29 - 68 Mirrabooka Avenue | Botany Downs  | 6                         | 1                                 |
| 72 Mirrabooka Ave         | Botany Downs  | 6                         | 4                                 |



**Table 3: Northern Region**

| Address             | Suburb          | Frequency (months) | Number of associated pipes |
|---------------------|-----------------|--------------------|----------------------------|
| 3 Pioneer Cres      | Omaha           | 12                 | 1                          |
| 3 Twilight Bay      | Omaha           | 12                 | 1                          |
| 1 Edith Plc         | Omaha           | 12                 | 1                          |
| 16 St Ann Plc       | Omaha           | 12                 | 2                          |
| 9 The Southern Isle | Omaha           | 12                 | 1                          |
| 14 St Ann Plc       | Omaha           | 12                 | 1                          |
| 27 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 35 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 39 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 37 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 37 Blue Bell Pde    | Omaha           | 12                 | 1                          |
| 41 Blue Bell Pde    | Omaha           | 12                 | 1                          |
| 45 Blue Bell Pde    | Omaha           | 12                 | 1                          |
| 4 Dungarvor Plc     | Omaha           | 12                 | 1                          |
| 8 Dungarvor Plc     | Omaha           | 12                 | 1                          |
| 14 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 22 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 28 Dungarvor Plc    | Omaha           | 12                 | 1                          |
| 4 Jane Gifford      | Omaha           | 12                 | 1                          |
| 9 Kitty Frazer      | Omaha           | 12                 | 1                          |
| 11 Totara View      | Wellsford       | 12                 | 1                          |
| 7 Totara View       | Wellsford       | 12                 | 1                          |
| 106 Alnwick St      | Warkworth       | 12                 | 1                          |
| 32 Schooner Ave     | Snells Beach    | 12                 | 1                          |
| 3 Coastal Hts       | Stillwater      | 12                 | 2                          |
| 26 Hammond Ave      | Hatfields Beach | 12                 | 1                          |
| 30 Hammond Ave      | Hatfields Beach | 12                 | 1                          |
| 36A Hammond Ave     | Hatfields Beach | 12                 | 1                          |
| 30 Millenial Way    | Orewa           | 12                 | 1                          |
| 18 Millenial Way    | Orewa           | 12                 | 1                          |
| 10 Millenial Way    | Orewa           | 12                 | 1                          |
| 8 Millenial Way     | Orewa           | 12                 | 1                          |

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| Address             | Suburb     | Frequency (months) | Number of associated pipes |
|---------------------|------------|--------------------|----------------------------|
| 3 Albatross Rd      | Red Beach  | 12                 | 1                          |
| 51 Red Beach        | Red Beach  | 12                 | 1                          |
| 5 Ladies Mile       | Manly      | 12                 | 1                          |
| 122 Eaves Bush      | Orewa      | 12                 | 1                          |
| 102 Eaves Bush      | Orewa      | 12                 | 1                          |
| 63 Park Side        | Orewa      | 12                 | 1                          |
| 10 Eaves Bush       | Orewa      | 12                 | 1                          |
| 2 Eaves Bush        | Orewa      | 12                 | 1                          |
| 50 Silverdale       | Silverdale | 12                 | 2                          |
| Millwater Pkwy      | Silverdale | 12                 | 1                          |
| 17 Old Mill Rd      | Silverdale | 12                 | 1                          |
| 34 Jelas Rd         | Red Beach  | 12                 | 1                          |
| 42 Jelas Rd         | Red Beach  | 12                 | 1                          |
| 2 Flexman           | Orewa      | 12                 | 3                          |
| 868 Whangaparaoa Rd | Manley     | 6                  | 1                          |
| 8 Zealandia Rd      | Manley     | 6                  | 1                          |
| 14C Zealandia Rd    | Manley     | 6                  | 1                          |
| 45C Walton Rd       | Red Beach  | 6                  | 1                          |
| 21 Manga Rd         | Silverdale | 1                  | 1                          |
| 36 Outlook Rd       | Greenhithe | 12                 | 1                          |
| 9 Manon Cres        | Greenhithe | 12                 | 1                          |
| 29 Outlook Rd       | Greenhithe | 12                 | 3                          |
| 1 Sunnyview Rd      | Greenhithe | 12                 | 1                          |
| 1 Sunnyview Rd      | Greenhithe | 12                 | 1                          |
| 29 Greenhithe Rd    | Greenhithe | 12                 | 3                          |
| 13 Rahui Rd         | Greenhithe | 12                 | 1                          |
| 28 Kingfisher Grv   | Greenhithe | 12                 | 1                          |
| 73 Roland Rd        | Greenhithe | 12                 | 2                          |
| 77 Roland Rd        | Greenhithe | 12                 | 4                          |
| 73 Churchhouse Rd   | Greenhithe | 12                 | 1                          |
| 11 Telstar Plc      | Beachhaven | 12                 | 1                          |
| 5 Telstar Plc       | Beachhaven | 12                 | 1                          |
| 19 Sispara Plc      | Beachhaven | 12                 | 1                          |

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| Address            | Suburb     | Frequency (months) | Number of associated pipes |
|--------------------|------------|--------------------|----------------------------|
| 35 Rangatiria Rd   | Beachhaven | 12                 | 1                          |
| 39 Rangatiria Rd   | Beachhaven | 12                 | 1                          |
| 79 Rangatiria Rd   | Beachhaven | 12                 | 1                          |
| 71 Rangatiria Rd   | Beachhaven | 12                 | 1                          |
| 50 Hellyers St     | Beachhaven | 12                 | 1                          |
| 59 Hellyers St     | Beachhaven | 12                 | 1                          |
| 23 Hellyers St     | Beachhaven | 12                 | 1                          |
| 5 Hellyers St      | Beachhaven | 12                 | 1                          |
| 14A O'Donn Ave     | Beachhaven | 12                 | 1                          |
| 1 Packham Plc      | Beachhaven | 12                 | 1                          |
| 23 Jacaranda Ave   | Beachhaven | 12                 | 1                          |
| 34 Rosecamp Rd     | Beachhaven | 12                 | 1                          |
| 22 Rosecamp Rd     | Beachhaven | 12                 | 1                          |
| 25 Pluto Plc       | Beachhaven | 12                 | 1                          |
| 25 Pluto Plc       | Beachhaven | 12                 | 1                          |
| 42 Paragon Ave     | Beachhaven | 12                 | 1                          |
| 53 Dominion St     | Takapuna   | 12                 | 1                          |
| 8 Puriri St        | Takapuna   | 12                 | 1                          |
| 40 Karaka St       | Takapuna   | 12                 | 1                          |
| 2 The Terrace Tce  | Takapuna   | 12                 | 1                          |
| 30 Walter St       | Hauraki    | 12                 | 1                          |
| 32 Sydney St       | Hauraki    | 12                 | 1                          |
| 178 Hurstmere Rd   | Takapuna   | 12                 | 1                          |
| 286 Hurstmere Rd   | Takapuna   | 12                 | 1                          |
| 140 Hurstmere Rd   | Takapuna   | 12                 | 1                          |
| 13 Spencer Tce     | Takapuna   | 12                 | 1                          |
| 13 Francis St      | Hauraki    | 12                 | 1                          |
| 43A Marsden St     | Hauraki    | 12                 | 1                          |
| 18 Minehaha Ave    | Takapuna   | 12                 | 1                          |
| 6 The Promenade    | Takapuna   | 12                 | 1                          |
| 2 Barrys Point Rd  | Takapuna   | 12                 | 2                          |
| 18 Barrys Point Rd | Takapuna   | 12                 | 1                          |
| 22 Barrys Point Rd | Takapuna   | 12                 | 1                          |

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| Address           | Suburb    | Frequency (months) | Number of associated pipes |
|-------------------|-----------|--------------------|----------------------------|
| 1 Philomel Cres   | Bayswater | 12                 | 1                          |
| 101 Lake Rd       | Takapuna  | 12                 | 1                          |
| 23 Karaka St      | Takapuna  | 12                 | 1                          |
| 31 Karaka St      | Takapuna  | 12                 | 1                          |
| 57 Karaka St      | Takapuna  | 12                 | 2                          |
| 47 Karaka St      | Takapuna  | 12                 | 1                          |
| 59 Karaka St      | Takapuna  | 12                 | 1                          |
| 62 Karaka St      | Takapuna  | 12                 | 1                          |
| 24 Karaka St      | Takapuna  | 12                 | 1                          |
| 28 Karaka St      | Takapuna  | 12                 | 1                          |
| 24 Karaka St      | Takapuna  | 12                 | 1                          |
| 28 Waitemata Rd   | Hauraki   | 12                 | 2                          |
| 26 Waitemata Rd   | Hauraki   | 12                 | 1                          |
| 49 Walter St      | Hauraki   | 12                 | 1                          |
| 32 Dominion St    | Takapuna  | 12                 | 1                          |
| 10 Dominion St    | Takapuna  | 12                 | 2                          |
| 14 Birchfield Rd  | Hauraki   | 12                 | 1                          |
| 47 Marsden St     | Hauraki   | 12                 | 1                          |
| 32 Seacliffe Ave  | Takapuna  | 12                 | 1                          |
| 38 Hurstmere Rd   | Takapuna  | 12                 | 1                          |
| 42 Hurstmere Rd   | Takapuna  | 12                 | 1                          |
| 62 Hurstmere Rd   | Takapuna  | 12                 | 2                          |
| 90 Hurstmere Rd   | Takapuna  | 12                 | 1                          |
| 21 Williamson Ave | Belmont   | 12                 | 1                          |
| 17 Spencer Tce    | Hauraki   | 12                 | 1                          |
| 31 Byron Ave      | Takapuna  | 12                 | 1                          |
| 11 Spencer Tce    | Hauraki   | 12                 | 1                          |
| 40 Harley Rd      | Hauraki   | 12                 | 1                          |
| 35A Byron Ave     | Takapuna  | 12                 | 3                          |
| 47 Williamson Ave | Hauraki   | 12                 | 1                          |
| 40 Northboro Rd   | Hauraki   | 12                 | 1                          |
| 39 Jutland St     | Hauraki   | 12                 | 1                          |
| 47 Lake View Rd   | Takapuna  | 12                 | 1                          |

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| <b>Address</b>        | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|-----------------------|---------------|---------------------------|-----------------------------------|
| 2 Anzac St            | Takapuna      | 12                        | 1                                 |
| 2 Anzac St            | Takapuna      | 12                        | 1                                 |
| 18 Winscombe St       | Takapuna      | 12                        | 1                                 |
| 37 Hart Rd            | Hauraki       | 12                        | 2                                 |
| 25 Norman Rd          | Hauraki       | 12                        | 1                                 |
| 27 Norman Rd          | Hauraki       | 12                        | 1                                 |
| 5 Eucalyptus Plc      | Birkdale      | 12                        | 1                                 |
| 60 Brigantine Dr      | Birkdale      | 12                        | 1                                 |
| 3 Eucalyptus Plc      | Birkdale      | 12                        | 1                                 |
| 28 Jacaranda Ave      | Birkdale      | 12                        | 1                                 |
| 21 Jacaranda Ave      | Birkdale      | 12                        | 1                                 |
| 37 Chippendale Cres   | Birkdale      | 12                        | 1                                 |
| 19 Chippendale Cres   | Birkdale      | 12                        | 1                                 |
| 25 Chippendale Cres   | Birkdale      | 12                        | 1                                 |
| 3/46 Chippendale Cres | Birkdale      | 12                        | 1                                 |
| 142 Verbena Rd        | Birkdale      | 12                        | 1                                 |
| 168 Verbena Rd        | Birkdale      | 12                        | 1                                 |
| 11 Brussels Plc       | Birkdale      | 12                        | 1                                 |
| 7 Brussels Plc        | Birkdale      | 12                        | 4                                 |
| 10 Woodhams St        | Birkdale      | 12                        | 1                                 |
| 51 Flaxdale St        | Birkdale      | 12                        | 1                                 |
| 47 Flaxdale St        | Birkdale      | 12                        | 2                                 |
| 45 Flaxdale St        | Birkdale      | 12                        | 1                                 |
| 32 Levesque St        | Birkdale      | 12                        | 1                                 |
| 24 Stott Ave          | Birkdale      | 12                        | 1                                 |
| 53 Eskdale Rd         | Birkdale      | 12                        | 2                                 |
| 51 Eskdale Rd         | Birkdale      | 12                        | 1                                 |
| 45 Eskdale Rd         | Birkdale      | 12                        | 1                                 |
| 37 Eskdale Rd         | Birkdale      | 12                        | 1                                 |
| 40 Eskdale Rd         | Birkdale      | 12                        | 1                                 |
| 28 Valhalla Dr        | Birkdale      | 12                        | 1                                 |
| 111 Island Bay Rd     | Birkdale      | 12                        | 4                                 |
| 21 Sunnyhaven Ave     | Birkdale      | 12                        | 1                                 |

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| Address          | Suburb    | Frequency (months) | Number of associated pipes |
|------------------|-----------|--------------------|----------------------------|
| 10 Woodhams St   | Birkdale  | 12                 | 1                          |
| 11 Fuchsia Plc   | Birkdale  | 12                 | 1                          |
| 105 Canongate St | Birkdale  | 12                 | 1                          |
| 1 Abbeygate St   | Birkdale  | 12                 | 1                          |
| 17 Abbeygate St  | Birkdale  | 12                 | 1                          |
| 32 Abbeygate St  | Birkdale  | 12                 | 1                          |
| 16 Beeche Plc    | Birkdale  | 12                 | 1                          |
| 103A Stott Ave   | Birkdale  | 12                 | 1                          |
| 99 Stott Ave     | Birkdale  | 12                 | 1                          |
| 95 Stott Ave     | Birkdale  | 12                 | 1                          |
| 91 Stott Ave     | Birkdale  | 12                 | 1                          |
| 89 Stott Ave     | Birkdale  | 12                 | 1                          |
| 83 Stott Ave     | Birkdale  | 12                 | 1                          |
| 4 Hobby Ave      | Birkdale  | 12                 | 2                          |
| 12 Hobby Ave     | Birkdale  | 12                 | 1                          |
| 57 Gatman St     | Birkdale  | 12                 | 2                          |
| 49 Gatman St     | Birkdale  | 12                 | 1                          |
| 45 Gatman St     | Birkdale  | 12                 | 1                          |
| 41 Gatman St     | Birkdale  | 12                 | 1                          |
| 3 Abbeygate St   | Birkdale  | 12                 | 1                          |
| 7 Abbeygate St   | Birkdale  | 12                 | 1                          |
| 11 Abbeygate St  | Birkdale  | 12                 | 1                          |
| 17 Abbeygate St  | Birkdale  | 12                 | 2                          |
| 20 Target Rd     | Glenfield | 12                 | 1                          |
| 24 Target Rd     | Glenfield | 12                 | 1                          |
| 18 Spinella Dr   | Glenfield | 12                 | 1                          |
| 15 James St      | Glenfield | 12                 | 1                          |
| 19 James St      | Glenfield | 12                 | 1                          |
| 46 Gladys Ave    | Glenfield | 12                 | 2                          |
| 34 Elliot Ave    | Glenfield | 12                 | 1                          |
| 47 Chartwell Ave | Glenfield | 12                 | 1                          |
| 115 Archers Rd   | Glenfield | 12                 | 1                          |
| 15 Locket Rd     | Glenfield | 12                 | 1                          |

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| Address            | Suburb    | Frequency (months) | Number of associated pipes |
|--------------------|-----------|--------------------|----------------------------|
| 2 Roband Ave       | Glenfield | 12                 | 1                          |
| 202 Archers Rd     | Glenfield | 12                 | 1                          |
| 206 Archers Rd     | Glenfield | 12                 | 1                          |
| 84 Chivalry Rd     | Glenfield | 12                 | 1                          |
| 33 Totaravale Dr   | Glenfield | 12                 | 1                          |
| 250 Archers Rd     | Glenfield | 12                 | 2                          |
| 234 Archers Rd     | Glenfield | 12                 | 1                          |
| 22 Leigh Tce       | Glenfield | 12                 | 1                          |
| 22 Leigh Tce       | Glenfield | 12                 | 1                          |
| 107 Lynn Rd        | Glenfield | 12                 | 11                         |
| 39 Anne McLean Dr  | Glenfield | 12                 | 1                          |
| 44 Valley View Rd  | Glenfield | 12                 | 1                          |
| 54 Valley View Rd  | Glenfield | 12                 | 1                          |
| 126 Spinella Dr    | Glenfield | 12                 | 1                          |
| 6 Elliot Ave       | Glenfield | 12                 | 1                          |
| R9 Normanton St    | Glenfield | 12                 | 1                          |
| 95 Bruce Rd        | Glenfield | 12                 | 1                          |
| 135 Diana Dr       | Glenfield | 12                 | 1                          |
| 141 Diana Dr       | Glenfield | 12                 | 1                          |
| 22 Blenheim St     | Glenfield | 12                 | 1                          |
| 56 Elliot Ave      | Glenfield | 12                 | 1                          |
| 40 Elliot Ave      | Glenfield | 12                 | 1                          |
| 16 Elliot Ave      | Glenfield | 12                 | 1                          |
| 4 Elliot Ave       | Glenfield | 12                 | 2                          |
| 22 Chartwell Ave   | Glenfield | 12                 | 1                          |
| 88 Powrie St       | Glenfield | 12                 | 1                          |
| 66 Easton Park Pde | Glenfield | 12                 | 1                          |
| 69 Chivalry Rd     | Glenfield | 12                 | 1                          |
| 25 Girrahween Dr   | Glenfield | 12                 | 1                          |
| 132 Archers Rd     | Glenfield | 12                 | 1                          |
| 140 Archers Rd     | Glenfield | 12                 | 1                          |
| 5 Ayton Dr         | Glenfield | 12                 | 1                          |
| 2 Teviot Plc       | Glenfield | 12                 | 1                          |

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| <b>Address</b>   | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|------------------|---------------|---------------------------|-----------------------------------|
| 48 Elliot Ave    | Glenfield     | 12                        | 1                                 |
| 69 Manuka Rd     | Glenfield     | 12                        | 1                                 |
| 10 Paruru Ave    | Northcote     | 12                        | 1                                 |
| 62 Sylvia Rd     | Northcote     | 12                        | 1                                 |
| 7 Kawana St      | Northcote     | 12                        | 1                                 |
| 1 Kawana St      | Northcote     | 12                        | 1                                 |
| 77 Lake Rd       | Northcote     | 12                        | 1                                 |
| 16 Puawai Plc    | Northcote     | 12                        | 1                                 |
| 25 Aorangi Plc   | Northcote     | 12                        | 4                                 |
| 15 Aorangi Plc   | Northcote     | 12                        | 1                                 |
| 15 Aorangi Plc   | Northcote     | 12                        | 1                                 |
| 61 McDowell Cres | Northcote     | 12                        | 1                                 |
| 65 Tonar St      | Northcote     | 12                        | 1                                 |
| 17 Council Tce   | Northcote     | 12                        | 2                                 |
| 18 Fraser Ave    | Northcote     | 12                        | 1                                 |
| 62 Tonar St      | Northcote     | 12                        | 1                                 |
| 13 Arahia St     | Northcote     | 12                        | 1                                 |
| 46 College Rd    | Northcote     | 12                        | 1                                 |
| 52 Cadness St    | Northcote     | 12                        | 1                                 |
| 32 Lingfiled St  | Marlborough   | 12                        | 1                                 |
| 30 Lingfiled St  | Marlborough   | 12                        | 3                                 |
| 146 Exmouth Rd   | Northcote     | 12                        | 1                                 |
| 140 Exmouth Rd   | Northcote     | 12                        | 1                                 |
| 21 Howard Rd     | Northcote     | 12                        | 2                                 |
| 27 Howard Rd     | Northcote     | 12                        | 1                                 |
| 3 Pearn Cres     | Northcote     | 12                        | 1                                 |
| 27 Pearn Cres    | Northcote     | 12                        | 1                                 |
| 29 Pearn Cres    | Northcote     | 12                        | 1                                 |
| 115 Lake Rd      | Northcote     | 12                        | 1                                 |
| 49 Pearn Cres    | Northcote     | 12                        | 1                                 |
| 51 Pearn Cres    | Northcote     | 12                        | 1                                 |
| 19 Kauri Glen Rd | Northcote     | 12                        | 1                                 |
| 8 Terrylyn Dr    | Northcote     | 12                        | 1                                 |



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| Address                 | Suburb    | Frequency (months) | Number of associated pipes |
|-------------------------|-----------|--------------------|----------------------------|
| 6 Terrylyn Dr           | Northcote | 12                 | 1                          |
| 6A Terrylyn Dr          | Northcote | 12                 | 1                          |
| 208 Queen St            | Northcote | 12                 | 1                          |
| 70 Queen St             | Northcote | 12                 | 1                          |
| 10 St Peters St         | Northcote | 12                 | 1                          |
| 18 St Peters St         | Northcote | 12                 | 1                          |
| R50 Kauri Glen Rd       | Northcote | 12                 | 1                          |
| 6 Mahuta Grv            | Northcote | 12                 | 1                          |
| 50 Raymond Tce          | Northcote | 12                 | 1                          |
| 74 Barbados Dr          | Albany    | 12                 | 3                          |
| 26 Tyburn Ln            | Albany    | 12                 | 1                          |
| 2 Sevilla Plc           | Albany    | 12                 | 1                          |
| 9 Barbados Dr           | Albany    | 12                 | 1                          |
| 54 Meadowood Dr         | Albany    | 12                 | 1                          |
| 3 Barbados Dr           | Albany    | 12                 | 1                          |
| 66 Meadowood Dr         | Albany    | 12                 | 1                          |
| 21 Piermark Dr          | Albany    | 12                 | 1                          |
| 21 William Pickering Dr | Albany    | 12                 | 1                          |
| 2 Barbados Dr           | Albany    | 12                 | 1                          |
| 45 Hugh Green Dr        | Albany    | 12                 | 1                          |
| 70 Spencer Rd           | Albany    | 12                 | 3                          |
| 8 Gills Rd              | Albany    | 12                 | 2                          |
| 2 Flavia Close Cl       | Torbay    | 12                 | 1                          |
| 7 Ian Sage              | Torbay    | 12                 | 1                          |
| 44 Weatherly Rd         | Waiake    | 12                 | 1                          |
| 34 Weatherly Rd         | Waiake    | 12                 | 3                          |
| 107 Deep Creek Rd       | Torbay    | 12                 | 1                          |
| 954 Beach Rd            | Torbay    | 12                 | 1                          |
| 121 Deep Creek Rd       | Torbay    | 12                 | 1                          |
| 2 Eagleson St           | Torbay    | 12                 | 1                          |
| 2 Bronwyn Plc           | Torbay    | 12                 | 1                          |
| 30 Glamorgan Dr         | Torbay    | 12                 | 1                          |
| 24 Glamorgan Dr         | Torbay    | 12                 | 1                          |

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| Address             | Suburb     | Frequency (months) | Number of associated pipes |
|---------------------|------------|--------------------|----------------------------|
| 20 Glamorgan Dr     | Torbay     | 12                 | 1                          |
| 18 Glamorgan Dr     | Torbay     | 12                 | 1                          |
| 16 Glamorgan Dr     | Torbay     | 12                 | 1                          |
| 10 Glamorgan Dr     | Torbay     | 12                 | 1                          |
| 14 Battenburg Plc   | Torbay     | 12                 | 1                          |
| 20 Battenburg Plc   | Torbay     | 12                 | 2                          |
| 64 Glenvar Rd       | Torbay     | 12                 | 1                          |
| 62 Glenvar Rd       | Torbay     | 12                 | 1                          |
| 2 Rock Isle Rd      | Torbay     | 12                 | 1                          |
| 6 Rock Isle Rd      | Torbay     | 12                 | 1                          |
| 12 Rock Isle Rd     | Torbay     | 12                 | 1                          |
| 14 Rock Isle Rd     | Torbay     | 12                 | 1                          |
| 18 Rock Isle Rd     | Torbay     | 12                 | 1                          |
| 20 Rock Isle Rd     | Torbay     | 12                 | 1                          |
| 22 Rock Isle Rd     | Torbay     | 12                 | 1                          |
| 32 Cranston St      | Torbay     | 12                 | 1                          |
| 61 Awaruku Plc      | Torbay     | 12                 | 1                          |
| 9 June Plc          | Torbay     | 12                 | 1                          |
| 5 Glamorgan Dr      | Torbay     | 12                 | 1                          |
| 13 Glenvar Rd       | Torbay     | 12                 | 2                          |
| 5 Ringwood St       | Torbay     | 12                 | 1                          |
| 58 Sharon Rd        | Torbay     | 12                 | 1                          |
| 30 Sartors Ave      | Browns Bay | 12                 | 1                          |
| 20 Sartors Ave      | Browns Bay | 12                 | 2                          |
| 17 Sartors Ave      | Browns Bay | 12                 | 1                          |
| 79 Stredwick Dr     | Browns Bay | 12                 | 1                          |
| 39 Anzac Rd         | Browns Bay | 12                 | 1                          |
| 146 Stapleford Cres | Browns Bay | 12                 | 1                          |
| 142 Stapleford Cres | Browns Bay | 12                 | 2                          |
| 140 Stapleford Cres | Browns Bay | 12                 | 1                          |
| 51 Stapleford Cres  | Browns Bay | 12                 | 1                          |
| 61 Stredwick Dr     | Browns Bay | 12                 | 1                          |
| 3 Woodlands Cres    | Browns Bay | 12                 | 4                          |

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| <b>Address</b>     | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|--------------------|---------------|---------------------------|-----------------------------------|
| 15 Woodlands Cres  | Browns Bay    | 12                        | 1                                 |
| 7 Bute Rd          | Browns Bay    | 12                        | 1                                 |
| 13 Bute Rd         | Browns Bay    | 12                        | 2                                 |
| 21 Bute Rd         | Browns Bay    | 12                        | 1                                 |
| 1 Glen Rd          | Browns Bay    | 12                        | 1                                 |
| 3 Glen Rd          | Browns Bay    | 12                        | 1                                 |
| 13 Bute Rd         | Browns Bay    | 12                        | 1                                 |
| 481A East Coast Rd | Browns Bay    | 12                        | 1                                 |
| 477 East Coast Rd  | Browns Bay    | 12                        | 1                                 |
| 8 Dalmeny Cl       | Browns Bay    | 12                        | 2                                 |
| 11 Celina Plc      | Browns Bay    | 12                        | 1                                 |
| 14 Celina Plc      | Browns Bay    | 12                        | 2                                 |
| 15 Scarlock Ave    | Browns Bay    | 12                        | 1                                 |
| 18 Scarlock Ave    | Browns Bay    | 12                        | 1                                 |
| 29 Orchard Rd      | Browns Bay    | 12                        | 1                                 |
| 688 East Coast Rd  | Browns Bay    | 12                        | 1                                 |
| 2 Newstead Ave     | Browns Bay    | 12                        | 1                                 |
| 660 Beach Rd       | Browns Bay    | 12                        | 1                                 |
| 672 Beach Rd       | Browns Bay    | 12                        | 2                                 |
| 676 Beach Rd       | Browns Bay    | 12                        | 2                                 |
| 684 Beach Rd       | Browns Bay    | 12                        | 1                                 |
| 690 Beach Rd       | Browns Bay    | 12                        | 1                                 |
| 741 Beach Rd       | Browns Bay    | 12                        | 1                                 |
| 747 Beach Rd       | Browns Bay    | 12                        | 1                                 |
| 91 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 83 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 73 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 63 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 101A Churchill Rd  | Rothsay Bay   | 12                        | 1                                 |
| 49 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 51 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 53 Churchill Rd    | Rothsay Bay   | 12                        | 1                                 |
| 24 Macnay Way      | Rothsay Bay   | 12                        | 1                                 |

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| Address            | Suburb        | Frequency (months) | Number of associated pipes |
|--------------------|---------------|--------------------|----------------------------|
| 47 Saddleback Rise | Rothestay Bay | 12                 | 2                          |
| 20 Macnay Way      | Rothestay Bay | 12                 | 1                          |
| 51 Saddleback Rise | Rothestay Bay | 12                 | 2                          |
| 2 Macnay Way       | Rothestay Bay | 12                 | 1                          |
| 3 Macnay Way       | Rothestay Bay | 12                 | 2                          |
| 61 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 67 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 71 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 79 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 83 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 85 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 8 Montana Ave      | Rothestay Bay | 12                 | 1                          |
| 95 Saddleback Rise | Rothestay Bay | 12                 | 1                          |
| 26 Seaton Rd       | Rothestay Bay | 12                 | 1                          |
| 26 Sandown Rd      | Rothestay Bay | 12                 | 1                          |
| 9 Westbourne Rd    | Rothestay Bay | 12                 | 1                          |
| 26 Sandown Rd      | Rothestay Bay | 12                 | 1                          |
| 3 Sandown Rd       | Rothestay Bay | 12                 | 1                          |
| 7 Sandown Rd       | Rothestay Bay | 12                 | 1                          |
| 11 Sandown Rd      | Rothestay Bay | 12                 | 1                          |
| 15 Sandown Rd      | Rothestay Bay | 12                 | 1                          |
| 645 Beach Rd       | Rothestay Bay | 12                 | 1                          |
| 3 Macnay Way       | Murrays Bay   | 12                 | 1                          |
| 518 Beach Rd       | Murrays Bay   | 12                 | 1                          |
| 5 Apollo Pl        | Mairangi Bay  | 12                 | 1                          |
| 8 Apollo Pl        | Mairangi Bay  | 12                 | 2                          |
| 14 Dalmeny Cl      | Mairangi Bay  | 12                 | 1                          |
| 16 Dalmeny Cl      | Mairangi Bay  | 12                 | 1                          |
| 404 Beach Rd       | Mairangi Bay  | 12                 | 2                          |
| 4 Montrose Tce     | Mairangi Bay  | 12                 | 1                          |
| 1 Montrose Tce     | Mairangi Bay  | 12                 | 1                          |
| 435 Beach Rd       | Mairangi Bay  | 12                 | 1                          |
| 423 Beach Rd       | Mairangi Bay  | 12                 | 2                          |

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| Address            | Suburb        | Frequency (months) | Number of associated pipes |
|--------------------|---------------|--------------------|----------------------------|
| 419 Beach Rd       | Mairangi Bay  | 12                 | 1                          |
| 3 Sidmouth St      | Mairangi Bay  | 12                 | 2                          |
| 413 Beach Rd       | Mairangi Bay  | 12                 | 1                          |
| 4 Sidmouth St      | Mairangi Bay  | 12                 | 1                          |
| 528 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 516 East Coast Rd  | Mairangi Bay  | 12                 | 4                          |
| 528 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 498 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 494 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 492 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 490A East Coast Rd | Mairangi Bay  | 12                 | 1                          |
| 490 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 488A East Coast Rd | Mairangi Bay  | 12                 | 1                          |
| 488 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 486 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 484 East Coast Rd  | Mairangi Bay  | 12                 | 1                          |
| 358 Beach Rd       | Mairangi Bay  | 12                 | 2                          |
| 396 Beach Rd       | Mairangi Bay  | 12                 | 1                          |
| 338 Beach Rd       | Mairangi Bay  | 12                 | 1                          |
| 7 Maxwellton Dr    | Mairangi Bay  | 12                 | 1                          |
| 10 Matipo Rd       | Mairangi Bay  | 12                 | 1                          |
| 12 Matipo Rd       | Mairangi Bay  | 12                 | 2                          |
| 202 Beach Rd       | Campbells Bay | 12                 | 2                          |
| 200 Beach Rd       | Campbells Bay | 12                 | 2                          |
| 212 Beach Rd       | Campbells Bay | 12                 | 4                          |
| 216 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 2 Park Rise        | Campbells Bay | 12                 | 1                          |
| 262 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 165 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 167 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 216 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 8 Huntley Rd       | Campbells Bay | 12                 | 1                          |
| Beach Rd           | Campbells Bay | 12                 | 1                          |

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| Address            | Suburb        | Frequency (months) | Number of associated pipes |
|--------------------|---------------|--------------------|----------------------------|
| 301 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 22 Asbury Cres     | Campbells Bay | 12                 | 1                          |
| 22 Asbury Cres     | Campbells Bay | 12                 | 1                          |
| 13 Sandford St     | Campbells Bay | 12                 | 1                          |
| 60 Aberdeen Rd     | Campbells Bay | 12                 | 1                          |
| 74 Aberdeen Rd     | Campbells Bay | 12                 | 1                          |
| 1 The Esplanade    | Campbells Bay | 12                 | 1                          |
| 232 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 319 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 317 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 116 Castor Bay Rd  | Campbells Bay | 12                 | 2                          |
| 24 Channel View Rd | Campbells Bay | 12                 | 1                          |
| 1 Centennial Pl    | Campbells Bay | 12                 | 1                          |
| 313 Beach Rd       | Campbells Bay | 12                 | 1                          |
| 24 Channel View Rd | Campbells Bay | 12                 | 1                          |
| 109 Sunnynook Rd   | Sunnynook     | 12                 | 1                          |
| 74 Aberdeen Rd     | Castor Bay    | 12                 | 1                          |
| 16 Woodbridge Ln   | Milford       | 12                 | 1                          |
| 8 Stradford Rd     | Milford       | 12                 | 2                          |
| 9 The Esplanade    | Castor Bay    | 12                 | 1                          |
| 16 Lyttleton Ave   | Forrest Hill  | 12                 | 1                          |
| 94 Shakespear Rd   | Milford       | 12                 | 1                          |
| 129 Nile Rd        | Milford       | 12                 | 1                          |
| 117 Nile Rd        | Milford       | 12                 | 1                          |
| 99 Nile Rd         | Milford       | 12                 | 1                          |
| 89 Nile Rd         | Milford       | 12                 | 1                          |
| 71 Nile Rd         | Milford       | 12                 | 1                          |
| 108 Nile Rd        | Milford       | 12                 | 1                          |
| 96 Nile Rd         | Milford       | 12                 | 2                          |
| 33A Alma Rd        | Milford       | 12                 | 1                          |
| 102 Nile Rd        | Milford       | 12                 | 1                          |
| 98 Nile Rd         | Milford       | 12                 | 1                          |
| 19 Waterloo Rd     | Milford       | 12                 | 2                          |

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| Address               | Suburb       | Frequency (months) | Number of associated pipes |
|-----------------------|--------------|--------------------|----------------------------|
| 11 Beach Rd           | Milford      | 12                 | 1                          |
| 16 Beach Rd           | Milford      | 12                 | 1                          |
| 14 Beach Rd           | Milford      | 12                 | 1                          |
| 14 Beach Rd           | Milford      | 12                 | 2                          |
| 7 Commodore Parry Rd  | Milford      | 12                 | 1                          |
| 15 Commodore Parry Rd | Milford      | 12                 | 1                          |
| 19 Commodore Parry Rd | Milford      | 12                 | 1                          |
| 21 Commodore Parry Rd | Milford      | 12                 | 1                          |
| 25 Commodore Parry Rd | Milford      | 12                 | 1                          |
| 55 Shakespeare Rd     | Milford      | 12                 | 1                          |
| 57 Shakespeare Rd     | Milford      | 12                 | 1                          |
| 59 Shakespeare Rd     | Milford      | 12                 | 2                          |
| 2 Stratford Ave       | Milford      | 12                 | 1                          |
| 4 Stratford Ave       | Milford      | 12                 | 1                          |
| 5 Stratford Ave       | Milford      | 12                 | 1                          |
| 41 Bond Cres          | Forrest Hill | 12                 | 1                          |
| R43 Bond Cres         | Forrest Hill | 12                 | 4                          |
| 30 Forrest Hill Rd    | Forrest Hill | 12                 | 4                          |
| 101 Wairua Rd         | Forrest Hill | 12                 | 2                          |
| 81 Selwyn Cres        | Forrest Hill | 12                 | 1                          |
| 5 Livingstone St      | Forrest Hill | 12                 | 1                          |
| 25 Corunna Rd         | Forrest Hill | 12                 | 1                          |
| 75 Nile Rd            | Forrest Hill | 12                 | 1                          |
| 21 Tonkin Dr          | Sunnynook    | 12                 | 1                          |
| 21 Cecil Rd           | Milford      | 12                 | 2                          |
| 27 Cecil Rd           | Milford      | 12                 | 1                          |
| 15 Becroft Ave        | Forrest Hill | 12                 | 1                          |
| 31 Havelock Ave       | Forrest Hill | 12                 | 1                          |
| 47 Sycamore Dr        | Sunnynook    | 12                 | 1                          |
| 12 Santa Rose Tce     | Forrest Hill | 12                 | 1                          |
| 11 Jonathan Pl        | Sunnynook    | 12                 | 1                          |
| 5 Jonathan Pl         | Sunnynook    | 12                 | 1                          |
| 29 Saltburn Rd        | Milford      | 12                 | 1                          |

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| Address             | Suburb     | Frequency (months) | Number of associated pipes |
|---------------------|------------|--------------------|----------------------------|
| 7A Tiri Rd          | Milford    | 12                 | 1                          |
| 11 Tiri Rd          | Milford    | 12                 | 2                          |
| R3 The Esplanade    | Castor Bay | 12                 | 1                          |
| 1 The Esplanade     | Castor Bay | 12                 | 1                          |
| 414 East Coast Rd   | Sunnynook  | 12                 | 1                          |
| 15 Corunna Rd       | Milford    | 12                 | 1                          |
| 7A Corunna Rd       | Milford    | 12                 | 1                          |
| 11 Cecil Rd         | Milford    | 12                 | 1                          |
| 70 Aramoana Ave     | Devonport  | 12                 | 1                          |
| 12 Oxford Tce       | Devonport  | 12                 | 1                          |
| 1 Victoria Rd       | Devonport  | 12                 | 3                          |
| 2 Victoria Rd       | Devonport  | 12                 | 1                          |
| 3 Victoria Rd       | Devonport  | 12                 | 1                          |
| R2 Old Lake Rd      | Devonport  | 12                 | 1                          |
| 21 Tainui Rd        | Devonport  | 12                 | 1                          |
| 1 Beresford Ave     | Bayswater  | 12                 | 2                          |
| 62 King Edwards Pde | Devonport  | 12                 | 1                          |
| 58 King Edwards Pde | Devonport  | 12                 | 1                          |
| 86 Stanley Point Rd | Devonport  | 12                 | 1                          |
| 29 Kauri Rd         | Birkenhead | 12                 | 1                          |
| 74 Holyoake Plc     | Birkenhead | 12                 | 1                          |
| 57 Colonial Rd      | Birkenhead | 12                 | 14                         |
| 23 Colonial Plc     | Birkenhead | 12                 | 1                          |
| 60 Colonial Rd      | Birkenhead | 12                 | 1                          |
| 80 Colonial Rd      | Birkenhead | 12                 | 2                          |
| 73 Waipa St         | Birkenhead | 12                 | 1                          |
| 41 Waipa St         | Birkenhead | 12                 | 1                          |
| 1 Hebe Plc          | Birkenhead | 12                 | 2                          |
| 34 Rangatira Rd     | Birkenhead | 12                 | 1                          |
| 82 Palmerston Rd    | Birkenhead | 12                 | 1                          |
| 134 Chelsea View Dr | Birkenhead | 12                 | 1                          |
| 52 Mokoia Rd        | Birkenhead | 12                 | 1                          |
| 13 Awanui St        | Birkenhead | 12                 | 1                          |



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| Address             | Suburb        | Frequency (months) | Number of associated pipes |
|---------------------|---------------|--------------------|----------------------------|
| 8 Awanui St         | Birkenhead    | 12                 | 2                          |
| 6 Awanui St         | Birkenhead    | 12                 | 1                          |
| 25 Waratah St       | Birkenhead    | 12                 | 1                          |
| 20 Zion Rd          | Birkenhead    | 12                 | 1                          |
| 29 Birkenhead Ave   | Birkenhead    | 12                 | 1                          |
| 49 Birkenhead Ave   | Birkenhead    | 12                 | 2                          |
| 13 Felstead St      | Birkenhead    | 12                 | 1                          |
| 126 Onetaunga Rd    | Birkenhead    | 12                 | 3                          |
| 135 Hinemoa St      | Birkenhead    | 12                 | 1                          |
| 14 Miraka Plc       | Birkenhead    | 12                 | 1                          |
| 66 Maritime Tce     | Birkenhead    | 12                 | 1                          |
| 69 Hinemoa St       | Birkenhead    | 12                 | 1                          |
| 7 Wakanui St        | Birkenhead    | 12                 | 1                          |
| 66 Maritime Tce     | Birkenhead    | 12                 | 1                          |
| 81 Birkenhead Ave   | Birkenhead    | 12                 | 1                          |
| 18 Paris Plc        | Birkenhead    | 12                 | 1                          |
| 21 Paris Plc        | Birkenhead    | 12                 | 3                          |
| 40 Mappin Plc       | Birkenhead    | 12                 | 1                          |
| 38 Mappin Plc       | Birkenhead    | 12                 | 1                          |
| 32 Wolsley Ave      | Browns Bay    | 12                 | 1                          |
| 1 East Coast Rd     | Milford       | 12                 | 1                          |
| 62 Sharon Rd        | Waihake       | 12                 | 2                          |
| 95 Palmerston Rd    | Birkenhead    | 12                 | 2                          |
| 22 Rosecamp Rd      | Beach Haven   | 12                 | 2                          |
| 24 Rosecamp Rd      | Beach Haven   | 12                 | 1                          |
| 89 Kia Ora Rd       | Beach Haven   | 12                 | 8                          |
| 48 Blacks Rd        | Greenhithe    | 12                 | 1                          |
| 12 Titiwai Pl       | Birkenhead    | 12                 | 1                          |
| 12 Glenbush Pl      | Birkenhead    | 12                 | 1                          |
| R30 Miraka Pl       | Birkenhead    | 12                 | 1                          |
| 41 Ewen Alison Ave  | Devonport     | 12                 | 1                          |
| 18 Cautley St       | Stanley point | 12                 | 1                          |
| 20 Stanley Point Rd | Stanley point | 12                 | 1                          |

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| Address             | Suburb           | Frequency (months) | Number of associated pipes |
|---------------------|------------------|--------------------|----------------------------|
| 12 Stanley Point Rd | Stanley point    | 12                 | 2                          |
| 33 Omega St         | Albany           | 6                  | 1                          |
| 320 Rosedale Rd     | Albany           | 6                  | 14                         |
| 32 Devonshire Rd Rd | Unsworth Heights | 6                  | 1                          |
| 30 Devonshire Rd    | Unsworth Heights | 6                  | 1                          |
| 33 Unsworth Dr      | Unsworth Heights | 6                  | 1                          |
| 93 Awaruku Rd       | Torbay           | 6                  | 4                          |
| 97 Long Bay Dr      | Torbay           | 6                  | 1                          |
| 23 Long Bay Dr      | Torbay           | 6                  | 1                          |
| 27 Long Bay Dr      | Torbay           | 6                  | 1                          |
| 47 Glenvar Rd       | Torbay           | 6                  | 1                          |
| 19 Bayside Dr       | Browns Bay       | 6                  | 1                          |
| 18 Penning Rd       | Milford          | 6                  | 1                          |
| 28 Penning Rd       | Milford          | 6                  | 3                          |
| 3 Bebyn St St       | Milford          | 6                  | 3                          |
| 3 East Coast Rd     | Milford          | 6                  | 1                          |
| R1 East Coast Rd    | Milford          | 6                  | 1                          |
| 301 Beach Rd        | Campbells Bay    | 6                  | 1                          |
| 18 Tonkin Dr        | Sunnynook        | 6                  | 1                          |
| 35 Byron Ave        | Takapuna         | 6                  | 3                          |
| 9 Woodstock Rd      | Forrest Hill     | 6                  | 3                          |
| 10 Linwood Ave      | Forrest Hill     | 6                  | 1                          |
| 11 Jonathan Pl      | Sunnynook        | 6                  | 1                          |
| 5 Jonathan Pl       | Sunnynook        | 6                  | 1                          |
| 24 Hythe Tce        | Mairangi Bay     | 6                  | 1                          |
| 22 Jutland St       | Mairangi Bay     | 6                  | 2                          |
| 18 Jutland St       | Mairangi Bay     | 6                  | 1                          |
| 16 Jutland St       | Mairangi Bay     | 6                  | 4                          |
| 15 Penzance Rd      | Mairangi Bay     | 6                  | 1                          |
| 112 Queen St        | Northcote        | 6                  | 1                          |
| 102 Queen St        | Northcote        | 6                  | 1                          |
| 258 Onewa Rd        | Northcote        | 6                  | 2                          |
| 248 Onewa Rd        | Northcote        | 6                  | 1                          |

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| Address                | Suburb         | Frequency (months) | Number of associated pipes |
|------------------------|----------------|--------------------|----------------------------|
| 242 Onewa Rd           | Northcote      | 6                  | 1                          |
| 232 Onewa Rd           | Northcote      | 6                  | 1                          |
| 224 Onewa Rd           | Northcote      | 6                  | 1                          |
| 45 Rawene Rd           | Birkenhead     | 6                  | 1                          |
| 57 Rawene Rd           | Birkenhead     | 6                  | 1                          |
| 60 Colonial Rd         | Birkenhead     | 6                  | 6                          |
| 66 Maritime Tce        | Birkenhead     | 6                  | 1                          |
| 114 Park Hill Rd       | Birkenhead     | 6                  | 1                          |
| 24 Inkster St          | Birkenhead     | 6                  | 4                          |
| 25 Telephone Rd        | Birkenhead     | 6                  | 3                          |
| 4 Lanigan St           | Birkdale       | 6                  | 1                          |
| 18 Lanigan St          | Birkdale       | 6                  | 1                          |
| 22 Lanigan St          | Birkdale       | 6                  | 1                          |
| 3 Anchor Pl            | Birkdale       | 6                  | 2                          |
| 60 Hadfield St         | Birkdale       | 6                  | 1                          |
| 270a Sturges Rd        | Henderson      | 1                  | 1                          |
| 67 Helena St           | Massey         | 1                  | 1                          |
| 60 Sunline Ave         | Massey         | 1                  | 4                          |
| 84 Butterworth Dr      | Glendene       | 3                  | 1                          |
| 42 Sabulite Rd         | Kelston        | 3                  | 1                          |
| 12 Woodfern Cres       | Titirangi      | 4                  | 1                          |
| 45a School Rd          | Te Atatu South | 4                  | 1                          |
| 84 Kauri Point Rd      | Laingholm      | 6                  | 1                          |
| 36 Landing Rd          | Titirangi      | 6                  | 1                          |
| 570 South Titirangi Rd | Titirangi      | 6                  | 1                          |
| 597 South Titirangi Rd | Titirangi      | 6                  | 1                          |
| 109 Wood Bay Rd        | Titirangi      | 6                  | 1                          |
| 30 West Lynn Rd        | Titirangi      | 6                  | 1                          |
| 31 De Val Dr           | Titirangi      | 6                  | 1                          |
| 25 De Val Dr           | Titirangi      | 6                  | 1                          |
| 26 The Grove           | Titirangi      | 6                  | 2                          |
| 23 The Grove           | Titirangi      | 6                  | 1                          |
| 2 South Lynn Rd        | Titirangi      | 6                  | 1                          |

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| Address                | Suburb         | Frequency (months) | Number of associated pipes |
|------------------------|----------------|--------------------|----------------------------|
| 7 South Lynn Rd        | Titirangi      | 6                  | 3                          |
| 5 South Lynn Rd        | Titirangi      | 6                  | 1                          |
| 79 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 81 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 77a Woodfern Cres      | Titirangi      | 6                  | 1                          |
| 72a Woodfern Cres      | Titirangi      | 6                  | 1                          |
| 68 Woodfern Cres       | Titirangi      | 6                  | 2                          |
| 58 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 56 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 46 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 44 Woodfern Cres       | Titirangi      | 6                  | 1                          |
| 14 Paturoa Rd          | Titirangi      | 6                  | 1                          |
| 12 Paturoa Rd          | Titirangi      | 6                  | 1                          |
| 7 Paturoa Rd           | Titirangi      | 6                  | 2                          |
| 1 Paturoa Rd           | Titirangi      | 6                  | 2                          |
| 5 Willowbrook Pl       | Titirangi      | 6                  | 1                          |
| 90 Kaurilands Rd       | Titirangi      | 6                  | 1                          |
| 93 Kaurilands Rd       | Titirangi      | 6                  | 1                          |
| 134 Godley Rd          | Green Bay      | 6                  | 1                          |
| 101 Hutchinson Ave     | New Lynn       | 6                  | 1                          |
| 105 Hutchinson Ave     | New Lynn       | 6                  | 1                          |
| 55 Tane Rd             | Laingholm      | 6                  | 1                          |
| 11 Laingholm Dr        | Laingholm      | 6                  | 1                          |
| 72 Lantana Rd          | Green Bay      | 6                  | 1                          |
| 79 Glendale Rd         | Glen Eden      | 6                  | 1                          |
| 77a Glendale Rd        | Glen Eden      | 6                  | 1                          |
| 2 Levy Rd              | Glen Eden      | 6                  | 1                          |
| 189 Portage Rd         | Green Bay      | 6                  | 1                          |
| 530 South Titirangi Rd | Titirangi      | 6                  | 1                          |
| 352 Huia Rd            | Titirangi      | 6                  | 1                          |
| 348 Huia Rd            | Titirangi      | 6                  | 1                          |
| 189 Atkinson Rd        | Titirangi      | 6                  | 1                          |
| 221 Edmonton Rd        | Te Atatu South | 6                  | 1                          |

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| Address            | Suburb             | Frequency (months) | Number of associated pipes |
|--------------------|--------------------|--------------------|----------------------------|
| 209 Edmonton Rd    | Te Atatu South     | 6                  | 1                          |
| 7 Te Atatu Rd      | Te Atatu South     | 6                  | 1                          |
| 1 Tirimoana Rd     | Te Atatu South     | 6                  | 1                          |
| 19 Meadow Cres     | Te Atatu South     | 6                  | 5                          |
| 13 Meadow Cres     | Te Atatu South     | 6                  | 1                          |
| 30 Bridge Ave      | Te Atatu South     | 6                  | 2                          |
| 23 Covil Ave       | Te Atatu South     | 6                  | 1                          |
| 12 Jarrah Pl       | Massey             | 6                  | 1                          |
| 8 Jarrah Pl        | Massey             | 6                  | 1                          |
| 31 Huruhuru Rd     | Massey             | 6                  | 1                          |
| 32 Huruhuru Rd     | Massey             | 6                  | 1                          |
| 33 Lowtherhurst Rd | Massey             | 6                  | 1                          |
| 48 Lowtherhurst Rd | Massey             | 6                  | 1                          |
| 46 Lowtherhurst Rd | Massey             | 6                  | 1                          |
| 44 Lowtherhurst Rd | Massey             | 6                  | 1                          |
| 20- Don Buck Rd    | Massey             | 6                  | 1                          |
| 32 Abbotleigh Ave  | Te Atatu Peninsula | 6                  | 1                          |
| 8 Alston Ave       | Kelston            | 6                  | 1                          |
| 8 Alston Ave       | Kelston            | 6                  | 1                          |
| 23 Beaubank Rd     | Kelston            | 6                  | 2                          |
| 27 Beaubank Rd     | Kelston            | 6                  | 1                          |
| 29 Beaubank Rd     | Kelston            | 6                  | 1                          |
| 31 Beaubank Rd     | Kelston            | 6                  | 1                          |
| 19 Cobham Cres     | Kelston            | 6                  | 1                          |
| 48 Cobham Cres     | Kelston            | 6                  | 1                          |
| 39 Cobham Cres     | Kelston            | 6                  | 2                          |
| 92 Cobham Cres     | Kelston            | 6                  | 1                          |
| 96 Cobham Cres     | Kelston            | 6                  | 1                          |
| 11 Ingleby Plc     | Kelston            | 6                  | 1                          |
| 109 Archibald Rd   | Kelston            | 6                  | 2                          |
| 21 Martin Plc      | Kelston            | 6                  | 1                          |
| 134 Archibald Rd   | Kelston            | 6                  | 2                          |
| 32 Kelkirk St      | Kelston            | 6                  | 1                          |

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| <b>Address</b>       | <b>Suburb</b> | <b>Frequency (months)</b> | <b>Number of associated pipes</b> |
|----------------------|---------------|---------------------------|-----------------------------------|
| 26 Kelkirk St        | Kelston       | 6                         | 1                                 |
| 44 Crystal Ave       | Glendene      | 6                         | 1                                 |
| 22 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 24 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 28 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 32 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 33 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 47 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 58 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 59 Glen Marine Pde   | Glendene      | 6                         | 2                                 |
| 61 Glen Marine Pde   | Glendene      | 6                         | 1                                 |
| 167- Hepburn Rd      | Glendene      | 6                         | 4                                 |
| 37 Harmel Rd         | Glendene      | 6                         | 1                                 |
| 26 Veronica St       | New Lynn      | 6                         | 1                                 |
| 15a Nikau St         | New Lynn      | 6                         | 1                                 |
| 15a Nikau St         | New Lynn      | 6                         | 1                                 |
| 31a Veronica St      | New Lynn      | 6                         | 1                                 |
| 3044- Great North Rd | New Lynn      | 6                         | 1                                 |
| 3024 Great North Rd  | New Lynn      | 6                         | 1                                 |
| 3030 Great North Rd  | New Lynn      | 6                         | 1                                 |
| 3044- Great North Rd | New Lynn      | 6                         | 1                                 |
| 3050 Great North Rd  | New Lynn      | 6                         | 1                                 |
| 16 Aotea Rd          | Glen Eden     | 6                         | 1                                 |
| 14 Aotea Rd          | Glen Eden     | 6                         | 1                                 |
| 12 Aotea Rd          | Glen Eden     | 6                         | 1                                 |
| 10 Aotea Rd          | Glen Eden     | 6                         | 2                                 |
| 46 Tahī Tce          | Glen Eden     | 6                         | 1                                 |
| 52 Tahī Tce          | Glen Eden     | 6                         | 1                                 |
| 54 Tahī Tce          | Glen Eden     | 6                         | 1                                 |
| 21 Oates Rd          | Glen Eden     | 6                         | 1                                 |
| 19 Oates Rd          | Glen Eden     | 6                         | 1                                 |
| 15 Oates Rd          | Glen Eden     | 6                         | 1                                 |
| 13a Oates Rd         | Glen Eden     | 6                         | 2                                 |

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| Address             | Suburb    | Frequency (months) | Number of associated pipes |
|---------------------|-----------|--------------------|----------------------------|
| 11a Oates Rd        | Glen Eden | 6                  | 1                          |
| 7a Oates Rd         | Glen Eden | 6                  | 1                          |
| 5 Oates Rd          | Glen Eden | 6                  | 1                          |
| 9 Surat Plc         | Glen Eden | 6                  | 1                          |
| 1/125 Glendale Rd   | Glen Eden | 6                  | 1                          |
| 37 Northall Rd      | New Lynn  | 6                  | 1                          |
| 7 Armstrong Pl      | New Lynn  | 6                  | 1                          |
| 33 Parker Ave       | New Lynn  | 6                  | 1                          |
| 13a West Lynn Rd    | New Lynn  | 6                  | 1                          |
| 15a West Lynn Rd    | New Lynn  | 6                  | 1                          |
| 21 West Lynn Rd     | New Lynn  | 6                  | 1                          |
| 3 Bancroft Cres     | Glendene  | 6                  | 1                          |
| 5 Bancroft Cres     | Glendene  | 6                  | 1                          |
| 7a Bancroft Cres    | Glendene  | 6                  | 1                          |
| 5a Valdale Rd       | Henderson | 6                  | 1                          |
| 17 Valdale Rd       | Henderson | 6                  | 1                          |
| 15 Edsel Rd         | Henderson | 6                  | 1                          |
| 15 Edsel Rd         | Henderson | 6                  | 1                          |
| 330 Great North Rd  | Henderson | 6                  | 3                          |
| 332- Great North Rd | Henderson | 6                  | 1                          |
| 326- Great North Rd | Henderson | 6                  | 1                          |
| 333 Great North Rd  | Henderson | 6                  | 1                          |
| 345- Great North Rd | Henderson | 6                  | 1                          |
| 6 Rupeke Pl         | Henderson | 6                  | 1                          |
| 34 Keeling Rd       | Henderson | 6                  | 1                          |
| 36 Keeling Rd       | Henderson | 6                  | 1                          |
| 38 Keeling Rd       | Henderson | 6                  | 1                          |
| 42 Keeling Rd       | Henderson | 6                  | 2                          |
| 138- Railside Ave   | Henderson | 6                  | 1                          |
| 134- Railside Ave   | Henderson | 6                  | 1                          |
| 38 Millbrook Rd     | Henderson | 6                  | 1                          |
| 47 Pinedale Pl      | Henderson | 6                  | 2                          |
| 19 Kereru St        | Henderson | 6                  | 1                          |

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| Address             | Suburb    | Frequency (months) | Number of associated pipes |
|---------------------|-----------|--------------------|----------------------------|
| 24 Kereru St        | Henderson | 6                  | 2                          |
| 27 Robert Burke Pl  | Henderson | 6                  | 1                          |
| 29 Robert Burke Pl  | Henderson | 6                  | 1                          |
| 174a Railside Ave   | Henderson | 6                  | 1                          |
| 44 Sunnyside Rd     | Sunnyvale | 6                  | 1                          |
| 58 Sunline Ave      | Massey    | 6                  | 1                          |
| 38 Edmonton Rd      | Henderson | 6                  | 1                          |
| 112a View Rd        | Sunnyvale | 6                  | 1                          |
| 12 Taranui Pl       | Henderson | 6                  | 1                          |
| 24a Charlenne Cl    | Ranui     | 6                  | 1                          |
| 23a Charlenne Cl    | Ranui     | 6                  | 1                          |
| 18a Riserra Dr      | Ranui     | 6                  | 1                          |
| 10 Rakich Pl        | Ranui     | 6                  | 2                          |
| 5 Armada Dr         | Ranui     | 6                  | 1                          |
| 14 Armada Dr        | Ranui     | 6                  | 2                          |
| 12 Armada Dr        | Ranui     | 6                  | 1                          |
| 36 Childers Rd      | Ranui     | 6                  | 1                          |
| 13 Hamblyn Pl       | Ranui     | 6                  | 1                          |
| 9 Hamblyn Pl        | Ranui     | 6                  | 1                          |
| 3 Hamblyn Pl        | Ranui     | 6                  | 1                          |
| 16 Pooks Rd         | Ranui     | 6                  | 2                          |
| 14 Pooks Rd         | Ranui     | 6                  | 1                          |
| 46 Ranui Station Rd | Ranui     | 6                  | 1                          |
| 4 Pooks Rd          | Ranui     | 6                  | 1                          |
| 34 Marinich Dr-S    | Ranui     | 6                  | 1                          |
| 50 Pooks Rd         | Ranui     | 6                  | 1                          |
| 58 Pooks Rd         | Ranui     | 6                  | 1                          |
| 18 Candia Rd        | Swanson   | 6                  | 1                          |
| 8 Candia Rd         | Swanson   | 6                  | 1                          |
| 4 Candia Rd         | Swanson   | 6                  | 1                          |
| 2 Candia Rd         | Swanson   | 6                  | 4                          |
| 620 Swanson Rd      | Swanson   | 6                  | 1                          |
| 9 North Candia Rd   | Swanson   | 6                  | 1                          |



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| Address                 | Suburb             | Frequency (months) | Number of associated pipes |
|-------------------------|--------------------|--------------------|----------------------------|
| 620 Swanson Rd          | Swanson            | 6                  | 1                          |
| 194 Henderson Valley Rd | Henderson          | 6                  | 1                          |
| 720 Swanson Rd          | Swanson            | 6                  | 1                          |
| 35 Mason Rd             | New Lynn           | 6                  | 1                          |
| 36 Gallony Ave          | Massey             | 6                  | 1                          |
| 19 Matipo Rd            | Te Atatu Peninsula | 6                  | 1                          |
| 36 Glynnbrooke St       | Te Atatu South     | 6                  | 1                          |
| 12 Bruce McLaren Rd     | Henderson          | 12                 | 2                          |
| 4 Bruce McLaren Rd      | Henderson          | 12                 | 1                          |
| 3 Bruce McLaren Rd      | Henderson          | 12                 | 1                          |
| 1 Bruce McLaren Rd      | Henderson          | 12                 | 1                          |
| 19 Bruce McLaren Rd     | Henderson          | 12                 | 1                          |
| 15a Bruce McLaren Rd    | Henderson          | 12                 | 1                          |
| 13 Bruce McLaren Rd     | Henderson          | 12                 | 1                          |
| 1 Bruce McLaren Rd      | Henderson          | 12                 | 2                          |
| 3 Bruce McLaren Rd      | Henderson          | 12                 | 1                          |
| 15 Lincoln Rd           | Henderson          | 12                 | 1                          |
| 47 Vintage Dr           | Henderson          | 12                 | 1                          |
| 45 Vintage Dr           | Henderson          | 12                 | 1                          |
| 2 Mt Lebanon Lane       | Henderson          | 12                 | 1                          |
| 43 Wilsher Cres         | Henderson          | 12                 | 4                          |
| 86 View Rd              | Henderson          | 12                 | 1                          |
| 58 Glendale Rd          | Glen Eden          | 12                 | 1                          |
| 77 Glendale Rd          | Glen Eden          | 12                 | 1                          |
| 122a Glendale Rd        | Glen Eden          | 12                 | 1                          |
| 70 Clayburn Rd          | Glen Eden          | 12                 | 1                          |
| 66 Clayburn Rd          | Glen Eden          | 12                 | 1                          |
| 58 Clayburn Rd          | Glen Eden          | 12                 | 1                          |
| 54 Clayburn Rd          | Glen Eden          | 12                 | 2                          |
| 41 Brandon Rd           | Glen Eden          | 12                 | 1                          |
| 33c Brandon Rd          | Glen Eden          | 12                 | 1                          |
| 7 Kashmir Rd            | Glen Eden          | 12                 | 1                          |
| 25 Autumn Ave           | Glen Eden          | 12                 | 1                          |

| Address           | Suburb    | Frequency (months) | Number of associated pipes |
|-------------------|-----------|--------------------|----------------------------|
| 17a Autumn Ave    | Glen Eden | 12                 | 1                          |
| 25 Autumn Ave     | Glen Eden | 12                 | 1                          |
| 87c Kaurilands Rd | Titirangi | 12                 | 3                          |
| 11b Konini Rd     | Titirangi | 12                 | 1                          |
| 5a Konini Rd      | Titirangi | 12                 | 1                          |
| 5a Konini Rd      | Titirangi | 12                 | 1                          |
| 22 Withers Rd     | Glen Eden | 12                 | 1                          |
| 20 Withers Rd     | Glen Eden | 12                 | 1                          |
| 14 Withers Rd     | Glen Eden | 12                 | 1                          |
| 12 Withers Rd     | Glen Eden | 12                 | 1                          |
| 8a Withers Rd     | Glen Eden | 12                 | 1                          |
| 4 Withers Rd      | Glen Eden | 12                 | 1                          |
| 16 Aquarius Ave   | Glen Eden | 12                 | 1                          |
| 9 Annison Ave     | Glen Eden | 12                 | 1                          |
| 7 Koromiko St     | New Lynn  | 12                 | 1                          |
| 9a Koromiko St    | New Lynn  | 12                 | 1                          |
| 10 Waters St      | New Lynn  | 12                 | 1                          |
| 17 Queen Mary Ave | New Lynn  | 12                 | 2                          |
| 9 Queen Mary Ave  | New Lynn  | 12                 | 1                          |
| 3 Queen Mary Ave  | New Lynn  | 12                 | 1                          |
| 8 Kuaka Pl        | New Lynn  | 12                 | 1                          |
| 18 Kuaka Pl       | New Lynn  | 12                 | 1                          |
| 12 Reid Rd        | New Lynn  | 12                 | 1                          |
| 20 Karaka St      | New Lynn  | 12                 | 1                          |
| 26 Karaka St      | New Lynn  | 12                 | 1                          |
| 29 Karaka St      | New Lynn  | 12                 | 2                          |
| 67 Fruitvale Rd   | New Lynn  | 12                 | 1                          |
| 53 Fruitvale Rd   | New Lynn  | 12                 | 1                          |
| 55 Fruitvale Rd   | New Lynn  | 12                 | 1                          |
| 36 Blease St      | New Lynn  | 12                 | 1                          |
| 13 Wolley Ave     | New Lynn  | 12                 | 2                          |
| 16 Hinau St       | New Lynn  | 12                 | 1                          |
| 20 Hinau St       | New Lynn  | 12                 | 1                          |

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| Address           | Suburb    | Frequency (months) | Number of associated pipes |
|-------------------|-----------|--------------------|----------------------------|
| 22 Hinau St       | New Lynn  | 12                 | 1                          |
| 24 Beverley Plc   | New Lynn  | 12                 | 1                          |
| 105 Gardner Rd    | New Lynn  | 12                 | 1                          |
| 89 Gardner Rd     | New Lynn  | 12                 | 1                          |
| 50 Gardner Rd     | New Lynn  | 12                 | 1                          |
| 30 Northall Rd    | New Lynn  | 12                 | 1                          |
| 61 Parker Ave     | New Lynn  | 12                 | 1                          |
| 27 Tomo St        | New Lynn  | 12                 | 1                          |
| 19 Tomo St        | New Lynn  | 12                 | 1                          |
| 40a Tomo St       | New Lynn  | 12                 | 1                          |
| 3/27 Rata St      | New Lynn  | 12                 | 1                          |
| 12 Kaponga Cres   | New Lynn  | 12                 | 1                          |
| 14 Kaponga Cres   | New Lynn  | 12                 | 1                          |
| 39 Hill Cres      | New Lynn  | 12                 | 1                          |
| 99 Portage Rd     | New Lynn  | 12                 | 1                          |
| 64 Portage Rd     | New Lynn  | 12                 | 1                          |
| 13 Bentinck Rd    | New Lynn  | 12                 | 1                          |
| 72 Delta Ave      | New Lynn  | 12                 | 1                          |
| 16 Wattle St      | New Lynn  | 12                 | 1                          |
| 38 Copley St      | New Lynn  | 12                 | 2                          |
| 84 Simpson Rd     | Ranui     | 12                 | 1                          |
| 243 Metcalfe Rd   | Ranui     | 12                 | 1                          |
| 30 Tumanaka Pl    | Henderson | 12                 | 3                          |
| 53 Border Rd      | Henderson | 12                 | 1                          |
| 20 Afton Pl       | Henderson | 12                 | 1                          |
| 24 Afton Pl       | Henderson | 12                 | 1                          |
| 89 Metcalfe Rd    | Ranui     | 12                 | 1                          |
| 87 Metcalfe Rd    | Ranui     | 12                 | 1                          |
| 71 Metcalfe Rd    | Ranui     | 12                 | 1                          |
| 65a Metcalfe Rd   | Ranui     | 12                 | 3                          |
| 19 Waipareira Ave | Henderson | 12                 | 1                          |
| 19 Waipareira Ave | Henderson | 12                 | 1                          |
| 2 Mayer Pl        | Ranui     | 12                 | 1                          |

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| Address                  | Suburb     | Frequency (months) | Number of associated pipes |
|--------------------------|------------|--------------------|----------------------------|
| 78 Ulrich Dr             | Ranui      | 12                 | 1                          |
| 84 Ulrich Dr             | Ranui      | 12                 | 1                          |
| 21 Waimoko Gln           | Swanson    | 12                 | 1                          |
| 19 Waimoko Gln           | Swanson    | 12                 | 1                          |
| 17 Waimoko Gln           | Swanson    | 12                 | 1                          |
| 59 Larissa Ave           | Henderson  | 12                 | 1                          |
| 1/5 Keeling Rd           | Henderson  | 12                 | 1                          |
| 33 Henderson Valley Rd   | Henderson  | 12                 | 2                          |
| 17 Keeling Rd            | Henderson  | 12                 | 1                          |
| 7 Espalier Drv           | Henderson  | 12                 | 1                          |
| 3 Espalier Drv           | Henderson  | 12                 | 2                          |
| 44 Arodella Cres         | Ranui      | 12                 | 1                          |
| 98 Glen Rd               | Ranui      | 12                 | 1                          |
| 133a Henderson Valley Rd | Henderson  | 12                 | 1                          |
| 13 Lendic Ave            | Henderson  | 12                 | 1                          |
| 46 Coburg St             | Henderson  | 12                 | 1                          |
| 50 Coburg St             | Henderson  | 12                 | 1                          |
| 18 Karen Rd              | Laingholm  | 12                 | 2                          |
| 7 Laingfield Tce         | Laingholm  | 12                 | 1                          |
| 22 Western Rd            | Laingholm  | 12                 | 1                          |
| 20 Western Rd            | Laingholm  | 12                 | 1                          |
| 18 Western Rd            | Laingholm  | 12                 | 1                          |
| 14 Western Rd            | Laingholm  | 12                 | 1                          |
| 12a Western Rd           | Laingholm  | 12                 | 1                          |
| 11 Laingholm Drv         | Laingholm  | 12                 | 1                          |
| 14 Park Rd               | Titirangi  | 12                 | 1                          |
| 71 Park Rd               | Titirangi  | 12                 | 1                          |
| 4 Otitori Bay Rd         | Titirangi  | 12                 | 1                          |
| 14 Miha Rd               | french bay | 12                 | 1                          |
| 52 Valley Rd             | Titirangi  | 12                 | 1                          |
| 87 Otitori Bay Rd        | Titirangi  | 12                 | 1                          |
| 518 South Titirangi Rd   | Titirangi  | 12                 | 1                          |
| 520 South Titirangi Rd   | Titirangi  | 12                 | 1                          |

| Address                | Suburb    | Frequency (months) | Number of associated pipes |
|------------------------|-----------|--------------------|----------------------------|
| 524 South Titirangi Rd | Titirangi | 12                 | 1                          |
| 550 South Titirangi Rd | Titirangi | 12                 | 1                          |
| 11 Wood Bay Rd         | Titirangi | 12                 | 1                          |
| 19 Wood Bay Rd         | Titirangi | 12                 | 1                          |
| 101 Wood Bay Rd        | Titirangi | 12                 | 1                          |
| 95 Wood Bay Rd         | Titirangi | 12                 | 1                          |
| 77 Wood Bay Rd         | Titirangi | 12                 | 1                          |
| 30 Paturoa Rd          | Titirangi | 12                 | 1                          |
| 41 Mceldowney Rd       | Titirangi | 12                 | 1                          |
| 47 Fairmount Rd        | Titirangi | 12                 | 1                          |
| 12 Avonleigh Rd        | Green Bay | 12                 | 1                          |
| 16 Avonleigh Rd        | Green Bay | 12                 | 1                          |
| 4 La Rosa St           | Green Bay | 12                 | 1                          |
| 20a Godley Rd          | Green Bay | 12                 | 1                          |
| 24a Godley Rd          | Green Bay | 12                 | 1                          |
| 18 Godley Rd           | Green Bay | 12                 | 1                          |
| 189 Portage Rd         | Green Bay | 12                 | 1                          |
| 11 Links Rd            | Green Bay | 12                 | 1                          |
| 90a Godley Rd          | Green Bay | 12                 | 1                          |
| 324 Huia Rd            | Titirangi | 12                 | 2                          |
| 312 Huia Rd            | Titirangi | 12                 | 1                          |
| 189 Atkinson Rd        | Titirangi | 12                 | 1                          |
| 8m Aotea Rd            | Glen Eden | 12                 | 2                          |
| 8e Aotea Rd            | Glen Eden | 12                 | 2                          |
| 26 Tahi Tce            | Glen Eden | 12                 | 1                          |
| 32 Tahi Tce            | Glen Eden | 12                 | 1                          |
| 56 Tahi Tce            | Glen Eden | 12                 | 2                          |
| 49 Tahi Tce            | Glen Eden | 12                 | 1                          |
| 15a Tahi Tce           | Glen Eden | 12                 | 1                          |
| 5 Wilson Rd            | Glen Eden | 12                 | 1                          |
| 3 Wilson Rd            | Glen Eden | 12                 | 1                          |
| 1 Wilson Rd            | Glen Eden | 12                 | 1                          |
| 38 Glendale Rd         | Glen Eden | 12                 | 2                          |

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| <b>Address</b>     | <b>Suburb</b> | <b>Frequency<br/>(months)</b> | <b>Number of<br/>associated pipes</b> |
|--------------------|---------------|-------------------------------|---------------------------------------|
| 42 Glendale Rd     | Glen Eden     | 12                            | 2                                     |
| 31 Cartwright Rd   | Kelston       | 12                            | 1                                     |
| 30 Cartwright Rd   | Kelston       | 12                            | 1                                     |
| 45 Kelman Rd       | Kelston       | 12                            | 1                                     |
| 47 Kelman Rd       | Kelston       | 12                            | 1                                     |
| 24 Kelkirk St      | Kelston       | 12                            | 1                                     |
| 28 Kelkirk St      | Kelston       | 12                            | 1                                     |
| 30 Kelkirk St      | Kelston       | 12                            | 1                                     |
| 59a Sabulite Rd    | Kelston       | 12                            | 1                                     |
| 57a Sabulite Rd    | Kelston       | 12                            | 1                                     |
| 80 Butterworth Dr  | Glendene      | 12                            | 1                                     |
| 36 Kelkirk St      | Kelston       | 12                            | 1                                     |
| 88- Archibald Rd   | Kelston       | 12                            | 1                                     |
| 40 St Leonards Rd  | Kelston       | 12                            | 1                                     |
| 23 St Leonards Rd  | Kelston       | 12                            | 1                                     |
| 1/1 Pakira Ave     | Glendene      | 12                            | 1                                     |
| 166 Hepburn St     | Kelston       | 12                            | 1                                     |
| 166 Hepburn St     | Kelston       | 12                            | 1                                     |
| 28 Sabulite Rd     | Kelston       | 12                            | 1                                     |
| 35 Thornlow St     | Glendene      | 12                            | 1                                     |
| 43 Thornlow St     | Glendene      | 12                            | 1                                     |
| 5 Barnfield Pl     | Glendene      | 12                            | 1                                     |
| 7 Barnfield Pl     | Glendene      | 12                            | 1                                     |
| 8 Barnfield Pl     | Glendene      | 12                            | 1                                     |
| 12 Barnfield Pl    | Glendene      | 12                            | 1                                     |
| 18 Barnfield Pl    | Glendene      | 12                            | 1                                     |
| 22 Barnfield Pl    | Glendene      | 12                            | 1                                     |
| 30 Glendene Ave    | Glendene      | 12                            | 1                                     |
| 32 Glendene Ave    | Glendene      | 12                            | 1                                     |
| 43 Glendene Ave    | Glendene      | 12                            | 1                                     |
| 79 Barrys Rd       | Glendene      | 12                            | 1                                     |
| 131a Glengarry Rd  | Glen Eden     | 12                            | 1                                     |
| 125 Parrs Cross Rd | Glen Eden     | 12                            | 1                                     |

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| Address            | Suburb             | Frequency (months) | Number of associated pipes |
|--------------------|--------------------|--------------------|----------------------------|
| 125 Parrs Cross Rd | Glen Eden          | 12                 | 1                          |
| 454 West Coast Rd  | Glen Eden          | 12                 | 1                          |
| 456a West Coast Rd | Glen Eden          | 12                 | 1                          |
| 424 West Coast Rd  | Glen Eden          | 12                 | 1                          |
| 426 West Coast Rd  | Glen Eden          | 12                 | 1                          |
| 427- West Coast Rd | Glen Eden          | 12                 | 1                          |
| 338b West Coast Rd | Glen Eden          | 12                 | 1                          |
| 336 West Coast Rd  | Glen Eden          | 12                 | 1                          |
| 18 Kiernan Pl      | Kelston            | 12                 | 1                          |
| 1 Rankin Ave       | New Lynn           | 12                 | 1                          |
| 1 Rankin Ave       | New Lynn           | 12                 | 1                          |
| 1 Rankin Ave       | New Lynn           | 12                 | 1                          |
| 1 Rankin Ave       | New Lynn           | 12                 | 1                          |
| 1b Rankin Ave      | New Lynn           | 12                 | 1                          |
| 50 Patts Ave       | Glendene           | 12                 | 1                          |
| 13 Aronui Tce      | Kelston            | 12                 | 1                          |
| 8 Reid Rd          | New Lynn           | 12                 | 1                          |
| 4 Akatea Rd        | Glendene           | 12                 | 1                          |
| 47 Kamara Rd       | Glen Eden          | 12                 | 1                          |
| 24 Cobham Cres     | Kelston            | 12                 | 1                          |
| 81 Cobham Cres     | Kelston            | 12                 | 1                          |
| 13 Kiernan Pl      | Kelston            | 12                 | 1                          |
| 19 Kiernan Pl      | Kelston            | 12                 | 1                          |
| 34 Kiernan Pl      | Kelston            | 12                 | 1                          |
| 50a Renata Cres    | Te Atatu Peninsula | 12                 | 1                          |
| 54 Renata Cres     | Te Atatu Peninsula | 12                 | 1                          |
| 19 Matipo Rd       | Te Atatu Peninsula | 12                 | 1                          |
| 572c Te Atatu Rd   | Te Atatu Peninsula | 12                 | 1                          |
| 8 Kelvin Cres      | Te Atatu Peninsula | 12                 | 1                          |
| 8 Shamrock Lane    | Te Atatu Peninsula | 12                 | 1                          |
| 12 Talavera Pl     | Te Atatu South     | 12                 | 1                          |
| 16 Talavera Pl     | Te Atatu South     | 12                 | 1                          |
| 6 Roberts Rd       | Te Atatu South     | 12                 | 1                          |

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| <b>Address</b>   | <b>Suburb</b>  | <b>Frequency<br/>(months)</b> | <b>Number of<br/>associated pipes</b> |
|------------------|----------------|-------------------------------|---------------------------------------|
| 22 Cornwall St   | Te Atatu South | 12                            | 1                                     |
| 24 Cornwall St   | Te Atatu South | 12                            | 1                                     |
| 31 Coniston Ave  | Te Atatu South | 12                            | 1                                     |
| 17 Castaing Cres | Te Atatu South | 12                            | 1                                     |
| 9 Castaing Cres  | Te Atatu South | 12                            | 1                                     |
| 2 Vera Rd        | Te Atatu South | 12                            | 1                                     |
| 128 Tiroroa Ave  | Te Atatu South | 12                            | 2                                     |
| 244 Te Atatu Rd  | Te Atatu South | 12                            | 1                                     |
| 248a Te Atatu Rd | Te Atatu South | 12                            | 1                                     |
| 4 Marewa St      | Te Atatu South | 12                            | 1                                     |
| 1- Reflection Dr | West Harbour   | 12                            | 1                                     |
| 73- Moire Rd     | Massey         | 12                            | 4                                     |
| 91- Moire Rd     | Massey         | 12                            | 2                                     |
| 157e Colwill Rd  | Massey         | 12                            | 2                                     |
| 155d Colwill Rd  | Massey         | 12                            | 1                                     |
| 153c Colwill Rd  | Massey         | 12                            | 1                                     |