

Section 3

Annual Performance Report Public Information and Appendices

1 July 2018 to 30 June 2019

Final Draft

30 September 2019



TABLE OF CONTENTS

1	PUBLIC INFORMATION	1
2	TARGETED MONITORING PROGRAMME	5
3	REMEDIATION OF UNCONTROLLED OVERFLOWS.....	6
	APPENDIX 1: SCHEDULE OF ENGINEERED OVERFLOW POINTS (EOPS) – UPDATED ON 1 JULY 2019	14
	APPENDIX 2: DEFINITIONS	86
	APPENDIX 3: REPORTED PUBLIC INCIDENTS BETWEEN 1 JULY 18 – 30 JUNE 19	92
	APPENDIX 4: PLANNED FLUSHING SCHEDULE	266

1 PUBLIC INFORMATION

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

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.

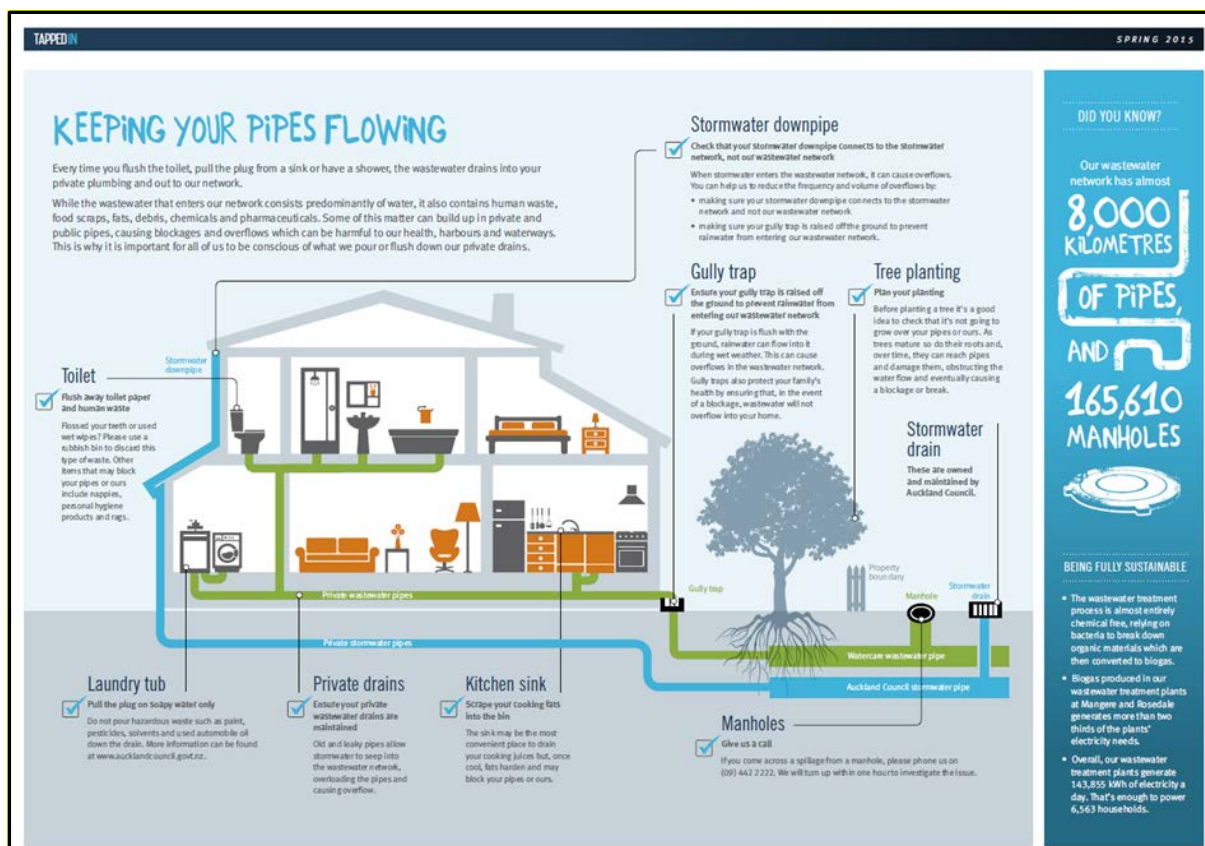
<https://www.watercare.co.nz/Faults-outages/Report-a-fault>

We continue 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. This includes presentations at community events. Targeted newsletters are also distributed within specific communities to educate about overflows, for example Cockle Bay in May 2019.

https://www.watercare.co.nz/getattachment/About-us/Reports-and-publications/Cockle_Bay_Matters_2019.pdf?lang=en-NZ

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

Watercare
An Auckland Council Organisation

Don't make your toilet sick!



Only toilet paper, pee and poo
should be flushed down the loo!

Put everything else in the bin



2 TARGETED MONITORING PROGRAMME

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. The Programme Methodology for Stage Two is currently being reviewed.

3 REMEDIATION OF UNCONTROLLED OVERFLOWS

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
S1	36 Mascot Ave, Mangere	Private	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 year, 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. The Manukau West upgrades will start (feasibility and design) in 2019 and completion in 2022 dependent on HLC development projections. As with Graeme Street, additional locations may be prioritised for temporary controlled EOPs if there are immediate health risks from uncontrolled discharges.
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	Howick interceptor upgrade: - Option analysis (feasibility) phase 2021. - Planned construction 2023-2025. This project was in the detailed design phase in 2015 and originally planned for completion in 2017, but required additional option analysis and re-scoping, which is currently underway.
S7	11 Crown Cres, Otara	Private	Otara branch sewer / catchment upgrades: - Preliminary design currently underway, design includes a new storage tank and catchment diversion. - Planned construction by 2022. 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.

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
S8	27 Buller Cres, Manurewa	Private	No further overflows have been reported at 27 Buller Crescent, and this location is no longer considered to be a Type 3 location.
S9	46 Coxhead Rd, Manurewa	Private	No further overflows have been reported at 46 Coxhead Road, and this location is no longer considered to be a Type 3 location. Note that wet weather overflows have been reported at an uncontrolled location at 64 Coxhead Road. A monitor was installed and the Manurewa Branch Diversion was CCTV'd. A major blockage was discovered downstream which was causing surcharging in the line. No overflows have been observed since blockage was removed.
S11	19 Tuck Nathan Drive, Glen Eden (MH62)	Public	Construction of Glen Eden branch sewer upgrade was completed in early 2018. It is believed that these type 3 overflows are no longer active. 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	
S17	117 Glendale Road, Glen Eden (MH93A)	Public	
S18	16A Taitapu Street, Massey	Public	Massey siphon upgrade project Construction currently underway.
S19	14 Lowtherhurst Road,	Public	

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
	Massey,		Northern interceptor project Stage 2A: - Currently underway. - Planned completion in 2020 - Additional works by 2024 Northern interceptor project Stage 2B: - Option analysis completed. - The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.
S20	36 Renata Crescent, Te Atatu North	Public	Concourse storage tank modifications complete. I&I investigations to identify direct connections has been undertaken and notices of defective drainage issued. 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. Northern interceptor project Stage 2A: - Currently underway. - Planned completion in 2020 - Additional works by 2024 Northern interceptor project Stage 2B: - Option analysis completed. - The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.
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	Targeted separation has been carried out in the Newmarket area, which will significantly improve the network performance. Additional I&I of separated areas will be considered. Branch 3 Newmarket Gully upgrade project: Option analysis (feasibility) is planned within the next six year period.

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
S26	57 Seaview Ave, Northcote	Public	Chelsea pump station upgrade project: - Option analysis (Feasibility) is complete - Construction phase is planned to be completed by 2022.
S27	81 Selwyn Cres, Forrest Hill	Private	Annual flushing programme – underway Forrest Hill diversion project - Option analysis (feasibility) completed - Planned construction completion in 2023.
S28	129a Nile Rd, Milford	Private	
S29	11 Montrose Tce, Mairangi Bay	Private	Sidmouth pump station and Mairangi Bay rising main project: - Rising main has been completed. - Pump station upgrade is in design, planned completion is in 2021.
S30	121A Millbrook Rd	Public	Construction of Glen Eden branch sewer upgrade was completed in early 2018. It is believed that this overflow is no longer active. We will monitor the performance of this sewer branch.
S32	70 Walmsley Rd	Public	Black Bridge PS discharge has been increased, with increased pipe capacity with new 525mm pipe. The Manukau West upgrades will start (feasibility and design) in 2019 and completion in 2022 dependent on HLC development projections. As with Graeme Street, 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: - Preliminary design currently underway, design includes a new storage tank and catchment diversion. - Planned construction by 2022. 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	A new EOPID_1556 (replaced EOPID_1280) was constructed behind 60 Sherrybrook Place Reserve (MH DSGLE59C) to mitigate the uncontrolled overflows in the transmission system. This location is no longer considered to be a Type 3 location.
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.

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
			Annual flushing programme – underway We will monitor the performance of this sewer branch to ascertain whether further optioneering is required.
S42	Sunline Avenue Reserve	Public	Concourse storage tank modifications complete. PS 44 Western increased discharge rate currently being optioneered, to solve overflows upstream. Northern interceptor project Stage 2A: - Currently underway. - Planned completion in 2020 - Additional works by 2024 Northern interceptor project Stage 2B: - Option analysis completed. - The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.
S46	10 Hasbury Ave, Mt Eden	Private	Meola Detailed Model: - 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: - Options to be completed 2021 - Construction completed 2023
S48	16 Lucinda Plc, Glen Eden	Private	Construction of Glen Eden branch sewer upgrade was completed in early 2018. Believed that this type 3 overflow is no longer active. We will monitor the performance of this sewer branch.
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.

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
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. Annual flushing programme – underway We will monitor the performance of this sewer branch to ascertain whether further optioneering is required.
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 McKinsty 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 from uncontrolled discharges. Annual flushing programme – underway We will monitor the performance of this sewer branch to ascertain whether further optioneering is required.
S55	8 Sloane St, Glen Innes	Public	Glendowie Branch Sewer Upgrade - Options completed 2018 - Construction completed 2021 It is believed that this type 3 overflow is no longer active. We will monitor the performance of this sewer branch.
S56	19a Matipo Rd	Public	Concourse storage tank modifications complete. A new EOP has been constructed at 22 Matipo Rd to mitigate the uncontrolled overflows in the

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
			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. Northern interceptor project Stage 2A: - Currently underway. - Planned completion in 2020 - Additional works by 2024 Northern interceptor project Stage 2B: - Option analysis completed. - The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.
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	Otara branch sewer / catchment upgrades: - Preliminary design currently underway, design includes a new storage tank and catchment diversion. - Planned construction by 2022. 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
S59	Otara Branch Sewer MH 17	Public	
S60	Otara Branch Relief Sewer MH 16A	Public	
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	Concourse storage tank modifications complete. PS 44 Western increased discharge rate currently being optioneered, to solve overflows upstream. Northern interceptor project Stage 2A: Currently underway.

Type 3 ID	Address	Public/Private Receiving Environment	2018/19 Annual Performance Report update
			- Planned completion in 2020 - Additional works by 2024 Northern interceptor project Stage 2B: - Option analysis completed. - The planned construction stage is still to be confirmed as faster than anticipated growth may cause this project to be accelerated.
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 Howick interceptor upgrade: - Option analysis (feasibility) phase underway. - Planned construction 2023-2025. 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.
S64	204 Mellons Bay Rd	Public	
S65	11 Jonathan Place	Public	Business case approved. Detailed design completed Planned construction by 2019.
S66	Bucklands Beach Branch Sewer MH19A	Public	Howick interceptor upgrade: - Option analysis (feasibility) phase underway. - Planned construction 2023-2025. 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.
S67	East Coast Bays Branch Sewer MH41	Public	Non-return valve installed in private property (49 Masterton Road) and lid sealed to stop overflows. Sidmouth pump station (renamed Mairangi PS) and Mairangi Bay rising main project: - Rising main has been completed. - Pump station upgrade is in design, planned completion is in 2021.
S68	Sunnybrae Branch Sewer, MH32	Public	An EOP is currently being applied for to remove the overflow from private property at 3 Chartwell Ave. Options are currently being investigated, but may require a modelling programme to determine catchment issues.

APPENDIX 1: SCHEDULE OF ENGINEERED OVERFLOW POINTS (EOPS) – UPDATED ON 1 JULY 2019

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 ¹)	Receiving Environment Name	Recreational 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						

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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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
DPIV	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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 Killarney Street, Takapuna	1757653	5927412	4 - 8 hours	Lake Pupuke	1	Low	1	Low	1	1

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									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
-	1595	Medium	Medium	2	11	East Coast Bays	11 Jonathan Place	11 Jonathan Place, Sunnynook	1755409	5931105	-	Unnamed tributary of Wairau Stream	3	Very low	3	Very low	2	1
-	1606	Medium	Medium	2	11	East Coast Bays	83 Sunnynook Road	83 Sunnynook Road, Sunnynook	1755522	5930598	-	Unnamed tributary of Wairau Stream	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
DPSEA	849	Low	Low	1	13	Shoal Bay	Seabreeze WWPS.	34 Seabreeze Road, Devonport	1760347	5924112	1 - 4 hours	Ngataranga 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	Fred Thomas 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	Ngataranga 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	Ngataranga 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	Ngataranga Bay	2	Very low	1	Very low	1	1

*Section Three
Version 1*

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
DPREG	885	Low	Low	1	13	Shoal Bay	Regent WWPS	23 Regent St, Devonport	1759617	5924376	1 - 4 hours	Unnamed tributary of Ngataranga 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
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	Arahia WWPS	11 Arahia 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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						
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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
DPHO3	1602	Low	Low	1	16	Upper Harbour West	Hobsonville 3 WWPS	Launch Rd, Hobsonville Point	1749168	5927225	> 8 hours	Harrier Point	1	Very low	2	Very low	2	2

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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
DSGLE	1557	Low	Low	2	17	Henderson Creek	Upper Glen Eden Storage Tank – On Storage Tank	471-479 West Coast Road, Glen Eden	1746867	5913565		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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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	Cox's Bay	5 Larchwood Ave	5 Larchwood Avenue, Westmere	1753991	5919544		Edgars Creek	2	High	3	Low	1	1
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	160	Medium	High	2	22	Hobson Bay	45 Ascot Avenue	45 Ascot Avenue, Remuera	1760504	5916412		Waiatarua 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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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 Paratai 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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
-	1598	Low	Low	2	22	Hobson Bay	21 Ayr St	21 Ayr 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation al Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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	1	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						
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
-	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, Hingara	1772003	5893000		Drury Creek	2	Very low	1	Very low	2	2
-	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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						
DPTPR	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
DPBYV	1023	Low	Low	1	33	Waiuku	Bayview WWPS	Bayview Esplanade Reserve, Waiuku	1752572	5876985	> 8 hours	Rangiwhea 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	Rangiwhea 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation al Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
DPRGW	1029	Low	Low	1	33	Waiuku	Rangiwhaea Rd WWPS	10 Rangiwhaea 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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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	Bucklands 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	36	Low	Low		36	Western Isthmus		37 Saltaire 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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
	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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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
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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreational Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
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
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 Wolverson Rd	84 Wolverson 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

Section Three
Version 1

Facility Code	Overflow ID	Volume Range	Frequency Range	Overflow Type	Catchment No	Catchment Name	Facility Name/ Description	Address	Coordinates		Available Storage at DWF (hours ¹)	Receiving Environment Name	Recreation Class	Potential Public Health Risk	Ecological Class	Potential Ecological Risk	Cultural Class	Aesthetic Class
									Ref X	Ref Y								
	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 (Saltaire 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
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

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							
-	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/ 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

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							
-	N12	1	4	Snells Beach/ 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

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							
	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

Section Three
Version 1

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							
-	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

Section Three
Version 1

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							
-	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

Section Three
Version 1

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							
	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

Section Three
Version 1

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							
	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

Section Three
Version 1

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							
	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
	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
	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

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							
	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)	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— (a) the nature of the discharge or emission and the sensitivity of the receiving environment to adverse effects; and (b) the financial implications, and the effects on the environment, of that option when compared with other options; and (c) the current state of technical knowledge and the likelihood that the option can be successfully applied. (Resource Management Act 1991)
Class 1 Recreational Receiving Environment	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 2. A known shellfish gathering site; and/or 3. Aquaculture areas.
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	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. Groundwater is defined as any natural water, including salt water, which has not become mixed

	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	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. 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.
Existing Urban Area	- Any area within the metropolitan urban limits, and; - Any area included within the urban zones (under an operative district plan) of a rural or coastal settlement; at the time the Auckland Wastewater Network Comprehensive Discharge Permit commences.
Future Network	The <i>Network</i>, including Engineered Overflow Points and other Network assets, - in currently unserviced areas within any <i>Existing Urban Area</i>; or - to be constructed within any <i>Indicative Future Urban Area</i> after the area has been given an urban zoning.
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	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. 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.).
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 or 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 or 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

Level 1 (Spill)	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: • ground containment; • no discharge to a water course; • contamination of less than 50 m² of adjacent ground; • no property damage; • public health risk limited to one household (private property); and; • no affect on in-stream ecology.
Level 2 (Minor Overflow)	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: • 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; • there is a low ammonia reading 100m downstream (<3ppm); • potential impact on fish/wildlife; • contamination of greater than 50 m² of adjacent ground; • minimal effect on in-stream ecology; • property damage less than \$1000; • potential health risk limited to 2 households (private property); or • potential health risk limited to less than 10 people (sensitive public place).
Level 3 (Significant Overflow)	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: • 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; • there is obvious contamination of stream/water body or the stream is anoxic and or black; • there is reasonably high ammonia readings (>3ppm) 100m downstream; • potential impact on in-stream ecology; • in-stream ecology is stressed;

	• potential impact on shellfish gathering; • potential impact on recreational bathing; • property damage less than \$10,000; • health risk to more than 2 households (private property); • health risk to more than 10 people (sensitive public place); • or • prosecution is possible.
Level 4 (Major Overflow)	A Level 4 incident requires escalation due to complexity, consequential effects and involvement of Communications and other specialist support where there is: • 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; • the stream is anoxic and/or black; • definite impact on fish/wildlife, severely stressed or dead; • definite impact on shellfish gathering; • definite impact on recreational bathing; • property damage greater than \$10,000; • definite health risk to more than 10 households (private property); • definite health risk to more than 100 people (sensitive public place); • or • prosecution is likely.
Level 5 (Catastrophe)	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.

APPENDIX 3: REPORTED PUBLIC INCIDENTS BETWEEN 1 JULY 18 – 30 JUNE 19

Table 1: Overflows in the Wellsford Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Public Health Risk	Ecological Risk	Containment
2/07/2018	14404778	29508606	314 Rodney St	Wellsford	N/A	L1	281	Silts	No	No	Yes
7/07/2018	14418758	29508413	3 Monowai St	Wellsford	N/A	L1	519	Broken pipe	No	No	Yes
9/07/2018	14421685	29508606	69 School Rd	Wellsford	N/A	L1	217	Broken Pipe	No	No	Yes
11/07/2018	14428539	29508585	375 Rodney St	Wellsford	N/A	L2	1208	Foreign Object	No	No	Yes
7/09/2018	14571697	29517893	60A Worker Rd	Wellsford	N/A	L1	278	Broken pipe	No	No	Yes
17/01/2019	14887145	29517893	60 Worker Rd	Wellsford	6	L3	266	Broken pipe	Yes	Yes	Yes
21/01/2019	14894198	50137593	3 Hanover St	Wellsford	N/A	L1	213	Unknown	No	No	Yes
4/02/2019	14926535	29508451	26 Armitage Rd	Wellsford	N/A	L1	295	Unknown	No	No	Yes
27/05/2019	15214437	29508789	2 Olympus Rd	Wellsford	N/A	L1	270	Fat	No	No	Yes

Table 2: Overflows in the Omaha Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/09/2018	14559170	29517220	9 Rita Way	Omaha	N/A	L1	587	Roots	2.4	No	No	Yes
11/09/2018	14580879	29517265	11 Rita Way	Omaha	N/A	L1	33	Fat	0.2	No	No	Yes
27/09/2018	14621052	27662345	22 Pioneer Cres	Omaha	N/A	L1	154	Roots	0.6	No	No	Yes
5/10/2018	14641711	27665826	32 Blue Bell Pde	Omaha	N/A	L1	152	Roots	0	No	No	Yes
10/10/2018	14655657	27673285	134 Omaha Dr	Omaha	N/A	L1	395	Roots	1	No	No	Yes
13/10/2018	14663378	50132283	2 Dungarvon Pl	Omaha	N/A	L1	186	Fat	0	No	No	Yes
18/10/2018	14676644	29517261	134 Omaha Dr	Omaha	N/A	L1	303	Roots	0.2	No	No	Yes
21/10/2018	14683504	50132283	2 Dungarvon Pl	Omaha	N/A	L1	96	Roots	0	No	No	Yes
22/12/2018	14840867	29517219	27 Ida Way	Omaha	N/A	L1	248	Foreign Object	1.2	No	No	Yes
28/12/2018	14848012	27668389	273 Omaha Dr	Omaha	N/A	L1	583	Roots	0	No	No	Yes
4/01/2019	14858268	29517557	1/25 Darroch Slope	Omaha	N/A	L1	194	Rubbish	0	No	No	Yes
7/01/2019	14861276	29517552	14 Kitty Frazer Lane	Omaha	N/A	L1	227	Unknown	0	No	No	Yes
8/01/2019	14864018	29517271	18 Rita Way	Omaha	N/A	L1	636	Roots	0	No	No	Yes
8/01/2019	14864542	50132571	14 Kitty Frazer Lane	Omaha	N/A	L1	66	Roots	0	No	No	Yes
20/01/2019	14892446	29510250	253 Mangatawhiri Rd	Omaha	N/A	L1	299	Rags	1	No	No	Yes
15/02/2019	14957014	29517557	5 The Southern Isle	Omaha	N/A	L1	186	Unknown	0	No	No	Yes
20/03/2019	15040478	29505650	34 Harbour View Rd	Point Wells	N/A	L1	211	3rd party damage	0	No	No	Yes
8/04/2019	15086825	29517478	12 Jane Gifford Pl	Omaha	N/A	L1	45	Silts	0.4	No	No	Yes

Table 3: Overflows in the Warkworth Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
7/07/2018	14418863	29512455	46 Hill St	Warkworth	N/A	L1	251	Fat	0	No	No	Yes
7/07/2018	14418891	29503804	99 Alnwick St	Warkworth	N/A	L1	692	Broken pipe	0	No	No	Yes
9/07/2018	14422396	50144525	Queen St	Warkworth	N/A	L1	239	Unknown	5	No	No	Yes
23/07/2018	14454373	29512327	44-56 Queen St	Warkworth	N/A	L1	314	Broken pipe	2.5	No	No	Yes
26/07/2018	14465612	29511846	3 Elizabeth St	Warkworth	N/A	L1	134	Foreign Object	0	No	No	Yes
31/08/2018	14555880	50005788	Queen St	Warkworth	N/A	L1	235	Broken pipe	6	No	No	Yes
8/09/2018	14573616	29512522	35 Hill St	Warkworth	N/A	L1	102	Foreign Object	0	No	No	Yes
10/09/2018	14575251	29511849	16 Elizabeth St	Warkworth	N/A	L1	97	Unknown	0.5	No	No	Yes
25/12/2018	14844617	27659205	3 Warkworth St	Warkworth	N/A	L1	155	Surcharging	22.5	No	No	Yes
14/01/2019	14877331	50122553	22-24 Queen St	Warkworth	N/A	L1	199	Unknown	19	No	No	Yes
14/01/2019	14878988	28752871	11 Pound St	Warkworth	N/A	L1	240	Broken pipe	19	No	No	Yes
18/01/2019	14889118	29509997	7 Pound St	Warkworth	N/A	L1	261	Foreign Object	0	No	No	Yes
21/01/2019	14894828	50122553	22-24 Queen St	Warkworth	N/A	L1	81	Broken pipe	0	No	No	Yes
1/02/2019	14922802	29512270	1 Falls St	Warkworth	N/A	L1	250	Fat	0	No	No	Yes
26/02/2019	14983640	29512760	48 Whitaker Rd	Warkworth	6	L3	267	Unknown	0	Yes	Yes	Yes
3/03/2019	14995409	29512660	4/9 Fairwater Rd	Warkworth	N/A	L1	213	Fat	0	No	No	Yes
7/03/2019	15008799	29512555	1 Lilburn St	Warkworth	N/A	L1	224	Fat	0	No	No	Yes
7/03/2019	15008801	29512658	4/9 Fairwater Rd	Warkworth	N/A	L1	202	Fat	0	No	No	Yes
20/03/2019	15040777	29512340	10 Brown Rd	Warkworth	N/A	L1	173	Roots	0	No	No	Yes
17/04/2019	15112511	29512254	1 Matakana Rd	Warkworth	N/A	L1	200	Unknown	0	No	No	Yes
28/04/2019	15133728	27667752	35A Hauiti Dr	Warkworth	N/A	L1	250	Fat	6.5	No	No	Yes
16/06/2019	15264582	29512455	46 Hill St	Warkworth	N/A	L1	159	Fat	2.5	No	No	Yes

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

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
11/07/2018	14426585	29507558	19 Schooner Ave	Snells Beach	N/A	L1	184	Fat	1	No	No	Yes
11/07/2018	14426733	29507558	22 Schooner Ave	Snells Beach	N/A	L1	176	Fat	1	No	No	Yes
26/07/2018	14465011	29507558	19 Schooner Ave	Snells Beach	0.25	L1	165	Fat	0.5	No	No	Yes
7/01/2019	14861220	27660822	6 Deerness Cres	Algies Bay	N/A	L1	151	Rags	0	No	No	Yes
11/01/2019	14872892	29500164	15 Arohia Pl	Snells Beach	N/A	L1	674	Unknown	0	No	No	Yes
8/02/2019	14938458	29504120	37 Mariners Grv	Algies Bay	-	L3	304	Fat	0	Yes	Yes	Yes
4/05/2019	15152441	29510915	12 Kahurangi Pl	Snells Beach	N/A	L1	242	Fat	0.5	No	No	Yes
5/05/2019	15152702	29507556	22 Schooner Ave	Snells Beach	N/A	L1	549	Foreign Object	0	No	No	Yes

Table 5: Overflows in the Waiwera Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/10/2018	14652004	29509361	36 Waiwera Rd	Waiwera	N/A	L1	193	Fat	0	No	No	Yes

Table 6: Overflows in the Helensville Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/07/2018	14412036	29506298	13 St James Ave	Helensville	N/A	L1	202	Broken pipe	2.5	No	No	Yes
27/07/2018	14467679	29506298	13 St James Ave	Helensville	N/A	L1	186	Unknown	4	No	No	Yes
19/08/2018	14524002	29506321	6 Hand Rd	Helensville	N/A	L1	616	Roots	0	No	No	Yes
22/08/2018	14532647	50144554	92 Commercial Rd	Helensville	N/A	L1	10	3rd party damage	12.5	No	No	Yes
14/09/2018	14590731	27673716	44A Rautawhiri Rd	Helensville	N/A	L1	238	Unknown	0	No	No	Yes
15/09/2018	14591941	29513224	44A Rautawhiri Rd	Helensville	N/A	L1	734	Unknown	0	No	No	Yes
2/10/2018	14633476	50144274	29 Rimu St	Helensville	N/A	L1	123	Rubbish	3.5	No	No	Yes
9/10/2018	14650334	29506147	19 Rautawhiri Rd	Helensville	N/A	L1	221	Roots	0	No	No	Yes
14/12/2018	14821470	50122985	22 Makiri St	Helensville	N/A	L1	163	Roots	1.5	No	No	Yes
18/12/2018	14831005	29506034	100 Awaroa Rd	Helensville	N/A	L1	270	Unknown	0	No	No	Yes
19/12/2018	14834264	29506034	104 Awaroa Rd	Helensville	-	L2	982	Rubbish	6.5	No	No	Yes
22/02/2019	14972787	29506320	6 Hand Rd	Helensville	N/A	L1	249	Roots	13.5	No	No	Yes
26/03/2019	15054424	29505826	59 Springs Rd	Parakai	N/A	L1	239	Fat	0	No	No	Yes
1/04/2019	15070139	29506320	6 Hand Rd	Helensville	N/A	L1	213	Roots	39.5	No	No	Yes
8/04/2019	15086913	50051725	18 Rautawhiri Rd	Helensville	N/A	L1	189	Fat	0	No	No	Yes
9/05/2019	15166204	27662435	119 Parkhurst Rd	Parakai	N/A	L1	167	Roots	0	No	No	Yes
10/05/2019	15169283	50144181	46 Commercial Rd	Helensville	N/A	L1	180	Broken Pipe	4.5	No	No	Yes
10/05/2019	15170812	29505827	Springs Rd	Parakai	N/A	L1	273	Fat	4.5	No	No	Yes
10/05/2019	15171101	29507087	6 Garfield Rd	Helensville	N/A	L1	185	Fat	4.5	No	No	Yes
13/05/2019	15176159	29506125	67 Rautawhiri Rd	Helensville	N/A	L1	261	Foreign Object	4	No	No	Yes
19/06/2019	15272784	27667027	10 Garfield Rd	Helensville	N/A	L1	238	Unknown	0	No	No	Yes
23/06/2019	15283763	29506140	29 Rautawhiri Rd	Helensville	N/A	L1	251	Roots	5.5	No	No	Yes
24/06/2019	15286046	29513224	44A Rautawhiri Rd	Helensville	N/A	L1	192	Fat	0.5	No	No	Yes
29/06/2019	15301230	27667888	29 Rautawhiri Rd	Helensville	N/A	L1	574	Roots	0.5	No	No	Yes

Table 7: Overflows in the Orewa Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403004	29508322	7C Centreway Rd	Orewa	N/A	L1	249	Rags	7.5	No	No	Yes
8/07/2018	14419467	29505345	5 Lancelot Rd	Orewa	N/A	L1	111	Broken pipe	4	No	No	Yes
24/07/2018	14458564	29507810	123 Florence Ave	Orewa	N/A	L1	138	Roots	0	No	No	Yes
10/08/2018	14503895	29507739	52 Settlers Grv	Orewa	N/A	L1	107	Roots	0	No	No	Yes
26/08/2018	14541051	29513840	9 Maori Hut Rd	Orewa	N/A	L1	130	Roots	0.5	No	No	Yes
27/08/2018	14541806	29508368	1/11 Centreway Rd	Orewa	N/A	L1	229	Unknown	0	No	No	Yes
28/08/2018	14546182	29507625	441 Hibiscus Coast Hwy	Orewa	1	L2	207	Fat	0	No	No	Yes
28/08/2018	14546193	29507625	Kensington Dr	Orewa		L2	204	Fat	0	No	No	Yes
17/09/2018	14594465	50253634	6 Manuel Rd	Silverdale	N/A	L1	312	3rd party damage	0	No	No	Yes
20/09/2018	14603890	29507158	7 Neaptide Cl	Red Beach	N/A	L1	143	Fat	0	No	No	Yes
20/09/2018	14605176	50051725	100 Jelas Rd	Red Beach	N/A	L1	88	Rags	0	No	No	Yes
25/09/2018	14616590	50219104	229 Wainui Rd	Silverdale	N/A	L1	146	Broken pipe	5	No	No	Yes
26/09/2018	14618663	50217094	29 Ascension Cres	Orewa	N/A	L1	96	Silts	2.5	No	No	Yes
10/10/2018	14654629	50445819	Bonair Cres	Silverdale	N/A	L1	139	Broken pipe	0	No	No	Yes
11/10/2018	14658092	29507838	31 Kath Hopper Dr	Orewa	N/A	L1	118	Unknown	16	No	No	Yes
17/10/2018	14672835	50445819	45 Bonair Cres	Silverdale	N/A	L1	281	Broken pipe	0	No	No	Yes
19/10/2018	14681513	29507048	31A Elizabeth St	Orewa	N/A	L1	90	Unknown	0	No	No	Yes
24/10/2018	14688693	50085342	Eaves Bush Pde	Orewa	N/A	L1	125	Rubbish	0	No	No	Yes
28/11/2018	14783692	29516292	12 River Rd	Orewa	N/A	L1	163	Roots	0	No	No	Yes
4/12/2018	14796131	27662508	14 Moffat Rd	Orewa	N/A	L1	101	Surcharging	7	No	No	Yes
4/12/2018	14797853	29504461	2/14D Moffat Rd	Orewa	N/A	L1	280	Surcharging	7	No	No	Yes
11/12/2018	14814024	29508567	76 Roberta Cres	Orewa	N/A	L1	117	Roots	0	No	No	Yes
24/12/2018	14844417	27668539	2/14D Moffat Rd	Orewa	N/A	L1	171	Surcharging	69	No	No	Yes
3/01/2019	14854803	29513367	12 Driftwood Dr	Red Beach	N/A	L1	117	Roots	0	No	No	Yes
18/02/2019	14960821	29509267	71 Lakeside Dr	Orewa	-	L2	165	Unknown	2.5	No	No	Yes
27/02/2019	14986283	29508179	18 Elizabeth St	Orewa	N/A	L1	255	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/03/2019	15047845	29507506	35 Bayview Park Lane	Orewa	N/A	L1	195	Unknown	0	No	No	Yes
27/03/2019	15057281	29509201	26 Moenui Ave	Orewa	N/A	L1	286	Rags	0	No	No	Yes
4/04/2019	15078314	29517713	119 Roberta Cres	Orewa	N/A	L1	114	Fat	0	No	No	Yes
6/04/2019	15084003	29509419	9 Otanerua Rd	Hatfields Beach	N/A	L1	177	Fat	23	No	No	Yes
6/04/2019	15084825	27658186	23 Maori Hut Rd	Orewa	N/A	L1	198	Surcharging	23	No	No	Yes
8/04/2019	15086411	29509183	143 Lakeside Dr	Orewa	N/A	L1	293	Roots	0	No	No	Yes
29/04/2019	15135328	29509267	71 Lakeside Dr	Orewa	6	L3	286	Fat	4	Yes	Yes	Yes
22/05/2019	15202713	50138561	306- Hibiscus Coast Hwy	Orewa	N/A	L1	229	Unknown	0	No	No	Yes
23/05/2019	15205297	50138561	306- Hibiscus Coast Hwy	Orewa	N/A	L1	289	Broken pipe	2.5	No	No	Yes
5/06/2019	15236815	29509180	184 Lakeside Dr	Orewa	N/A	L1	77	Roots	29	No	No	Yes
8/06/2019	15245240	29513367	10 Driftwood Dr	Red Beach	N/A	L1	282	Roots	1	No	No	Yes
9/06/2019	15246376	29507767	167A Centreway Rd	Orewa	N/A	L1	172	Roots	0	No	No	Yes
10/06/2019	15249423	27667639	112 Riverside Rd	Orewa	N/A	L1	215	Rags	0	No	No	Yes
11/06/2019	15251219	27673235	19 Pohutukawa Ave	Orewa	N/A	L1	249	Roots	0.5	No	No	Yes
24/06/2019	15286913	29508358	99 Centreway Rd	Orewa	N/A	L1	150	Rags	0.5	No	No	Yes
26/06/2019	15293152	29513840	9 Maori Hut Rd	Orewa	N/A	L1	181	Broken pipe	0.5	No	No	Yes

Table 8: Overflows in the Weiti Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403123	29502304	20C Cockle Pl	Stillwater	N/A	L1	737	Roots	7.5	No	No	Yes
6/07/2018	14418273	29503708	15 Titan Pl	Silverdale	N/A	L1	208	Rags	0	No	No	Yes
12/07/2018	14430065	29502036	20 Hibiscus Coast Hwy	Silverdale	N/A	L1	113	Fat	0.5	No	No	Yes
16/07/2018	14437289	29501851	16B Silverdale St	Silverdale	N/A	L1	242	Rubbish	1	No	No	Yes
18/07/2018	14443018	29503708	15 Titan Pl	Silverdale	■	L2	129	Unknown	0	No	No	Yes
18/07/2018	14444730	27667485	6 Flexman Pl	Silverdale	■	L3	310	Fat	0	Yes	Yes	Yes
2/08/2018	14484661	29502259	2 Duck Creek Rd	Stillwater	N/A	L1	211	Unknown	0.5	No	No	Yes
22/09/2018	14609228	29505012	21 Poplar Rd	Stanmore Bay	N/A	L1	257	Fat	0	No	No	Yes
24/09/2018	14612927	27673072	15 Titan Pl	Silverdale	N/A	L1	230	Unknown	6.5	No	No	Yes
12/10/2018	14661125	29503708	15 Titan Pl	Silverdale	N/A	L1	199	Rubbish	5.5	No	No	Yes
6/11/2018	14726432	27663984	136 Whangaparaoa Rd	Red Beach	N/A	L1	130	3rd party damage	0	No	No	Yes
8/11/2018	14731831	29503708	15 Titan Pl	Silverdale	N/A	L1	159	Unknown	0	No	No	Yes
30/11/2018	14788428	29501394	22 Matheson Rd	Red Beach	1.5	L3	918	3rd party damage	0	Yes	Yes	Yes
1/12/2018	14790917	29503708	15 Titan Pl	Silverdale	N/A	L1	107	Fat	3	No	No	Yes
4/12/2018	14795755	29503708	15 Titan Pl	Silverdale	N/A	L1	274	Unknown	7	No	No	Yes
26/12/2018	14845334	29503708	15 Titan Pl	Silverdale	N/A	L1	124	Fat	1.5	No	No	Yes
26/12/2018	14845427	50127849	15 Titan Pl	Silverdale	N/A	L1	33	Broken pipe	1.5	No	No	Yes
15/01/2019	14879927	29502008	15 Titan Pl	Silverdale	N/A	L1	160	Surcharging	1.5	No	No	Yes
20/02/2019	14966160	29502220	95 Duck Creek Rd	Stillwater	-	L2	244	Fat	0	No	No	Yes
8/03/2019	15010018	27666708	3 Duck Creek Rd	Stillwater	N/A	L1	45	Unknown	14.5	No	No	Yes
16/03/2019	15030033	27658824	3 Coastal Hts	Stillwater	N/A	L1	253	Unknown	0	No	No	Yes
17/03/2019	15031455	27660924	1 Duck Creek Rd	Stillwater	N/A	L1	211	Unknown	0	No	No	Yes
6/06/2019	15240608	27668962	15 Titan Pl	Silverdale	N/A	L1	82	Broken pipe	3	No	No	Yes
28/06/2019	15300264	29502008	15 Titan Pl	Silverdale	N/A	L1	312	Broken pipe	0	No	No	Yes

Table 9: Overflows in the Whangaparaoa Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
5/07/2018	14415510	29500887	580 Whangaparaoa Rd	Stanmore Bay	-	L2	139	Fat	0	No	No	Yes
15/07/2018	14435417	29512935	11 Langton Rd	Stanmore Bay	N/A	L1	1328	Fat	52.5	No	No	Yes
15/07/2018	14435631	29516003	46 Regency Park Dr	Hobbs Bay	N/A	L1	160	Surcharging	52.5	No	No	Yes
18/07/2018	14444552	29501073	11B Penton Rd	Stanmore Bay	N/A	L1	431	Unknown	0	No	No	Yes
19/07/2018	14446854	29506494	33A Brixton Rd	Manly	N/A	L1	140	Roots	1	No	No	Yes
21/07/2018	14451906	50126411	124 Whangaparaoa Rd	Red Beach	N/A	L1	156	Unknown	0	No	No	Yes
2/08/2018	14484058	29501843	124 Whangaparaoa Rd	Red Beach	N/A	L1	134	Fat	0.5	No	No	Yes
5/08/2018	14490211	27658682	13 Sundown Ave	Manly	N/A	L1	93	Surcharging	2	No	No	Yes
8/08/2018	14498842	50134564	9A Sundown Ave	Manly	N/A	L1	184	Unknown	8	No	No	Yes
26/08/2018	14540746	29515471	18 Zita Ave	Matakātia	N/A	L1	132	Rags	0.5	No	No	Yes
27/08/2018	14541948	29514248	24 Gulf Harbour Dr	Hobbs Bay	N/A	L1	191	Unknown	0	No	No	Yes
27/08/2018	14542191	29510486	12 Birdie Pl	Red Beach	N/A	L1	129	Broken pipe	0	No	No	Yes
29/08/2018	14548391	29513984	136 Whangaparaoa Rd	Red Beach	N/A	L1	200	Rubbish	26	No	No	Yes
29/08/2018	14548896	27658682	13 Sundown Ave	Manly	N/A	L1	89	Surcharging	26	No	No	Yes
31/08/2018	14556142	50135990	15A Marie Ave	Red Beach	N/A	L1	163	Rubbish	0	No	No	Yes
7/09/2018	14571812	27665276	Knott Rd	Stanmore Bay	N/A	L1	186	Surcharging	0	No	No	Yes
11/09/2018	14580808	29502971	19 Hobbs Rd	Hobbs Bay	N/A	L1	206	Unknown	0.5	No	No	Yes
21/09/2018	14606459	29502133	5 Gilshennan Vly	Red Beach	N/A	L1	183	Unknown	0	No	No	Yes
23/09/2018	14610212	29501073	11B Penton Rd	Stanmore Bay	N/A	L1	249	Unknown	0	No	No	Yes
27/09/2018	14621158	29504570	34 Springtime Cres	Stanmore Bay		L2	176	Fat	0.5	No	No	Yes
28/09/2018	14625377	29500889	14 Beverley Rd	Stanmore Bay	N/A	L1	152	Rags	0	No	No	Yes
3/10/2018	14636573	29514053	76 Rosario Cres	Red Beach	N/A	L1	156	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
6/10/2018	14643401	29501109	Rimu Rd	Stanmore Bay	0.25	L2	81	Fat	0	No	No	Yes
15/10/2018	14665052	29514673	51 Shakespear Rd	Hobbs Bay	N/A	L1	374	Roots	0	No	No	Yes
22/10/2018	14684204	29501243	2 Matai Rd	Stanmore Bay	-	L2	317	Unknown	0	No	No	Yes
26/10/2018	14697154	29516983	162 Brightside Rd	Stanmore Bay	1	L2	102	Fat	2	No	No	Yes
28/10/2018	14700537	29514881	27 Buccaneer Crt	Hobbs Bay	N/A	L1	304	Fat	1.5	No	No	Yes
29/10/2018	14702525	10317531	6 Laurie St	Red Beach	N/A	L1	89	Unknown	13.5	No	No	Yes
4/11/2018	14720560	29506669	18 Ladies Mile	Manly	N/A	L1	96	Fat	9	No	No	Yes
6/11/2018	14726432	27663984	136 Whangaparaoa Rd	Red Beach	N/A	L1	106	Third Party Damage	0	No	No	Yes
9/11/2018	14736891	29506669	18 Ladies Mile	Manly	N/A	L1	167	Roots	3	No	No	Yes
11/11/2018	14738409	29506669	18 Ladies Mile	Manly	N/A	L1	365	Roots	7.5	No	No	Yes
19/11/2018	14758285	29514750	14 Castaway Pl	Hobbs Bay	N/A	L1	130	Fat	1.5	No	No	Yes
19/11/2018	14760118	29506814	37A Shakespear Rd	Hobbs Bay	N/A	L1	153	Rags	1.5	No	No	Yes
20/11/2018	14761398	29512153	1337 Whangaparaoa Rd	Army Bay	N/A	L1	273	Roots	6.5	No	No	Yes
3/12/2018	14794867	29506492	50 Laurence St	Manly	N/A	L1	159	Roots	17.5	No	No	Yes
4/12/2018	14796266	27659981	73 Pinecrest Dr	Hobbs Bay	N/A	L1	181	Surcharging	7	No	No	Yes
4/12/2018	14796387	29515191	2 Zealandia Rd	Manly	N/A	L1	101	Surcharging	7	No	No	Yes
4/12/2018	14796658	29509623	9 Tee Pt	Red Beach	N/A	L1	229	Roots	7	No	No	Yes
4/12/2018	14796789	29515131	13 Sundown Ave	Manly	N/A	L1	60	Surcharging	7	No	No	Yes
4/12/2018	14797967	50237361	2 Couldrey Cres	Red Beach	N/A	L1	220	Surcharging	7	No	No	Yes
5/12/2018	14799898	29505041	191 Vipond Rd	Stanmore Bay	N/A	L1	151	Unknown	4	No	No	Yes
7/12/2018	14805024	29500980	4 Rimu Rd	Stanmore Bay	N/A	L1	151	Unknown	0	No	No	Yes
13/12/2018	14820704	29515131	13 Sundown Ave	Manly	N/A	L1	179	Fat	0	No	No	Yes
17/12/2018	14826577	27668817	Laurie St	Red Beach	N/A	L1	109	Surcharging	0	No	No	Yes
20/12/2018	14836441	29514892	43 Waterside Cres	Hobbs Bay	N/A	L1	196	Foreign Object	21	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/12/2018	14844563	50237361	2 Couldrey Cres	Red Beach	N/A	L1	144	Surcharging	11.5	No	No	Yes
25/12/2018	14844783	29515131	13 Sundown Ave	Manly	N/A	L1	79	Surcharging	11.5	No	No	Yes
27/12/2018	14846595	27659981	73A Pinecrest Dr	Hobbs Bay	N/A	L1	156	Surcharging	0	No	No	Yes
28/12/2018	14849209	50133831	41 Manly Park Ave	Manly	N/A	L1	273	Unknown	0	No	No	Yes
1/01/2019	14853059	29502985	33 Island View Dr	Okoromai Bay	N/A	L1	291	Fat	0	No	No	Yes
1/01/2019	14853181	29514866	2 Greenway Rise	Hobbs Bay	N/A	L1	146	Fat	0	No	No	Yes
3/01/2019	14854952	29506608	87 Whangaparaoa Rd	Red Beach	N/A	L1	149	Surcharging	0	No	No	Yes
5/01/2019	14858941	29504592	81 Vipond Rd	Stanmore Bay	N/A	L1	76	Unknown	0	No	No	Yes
9/01/2019	14867174	29504778	11 Cooper Rd	Stanmore Bay	N/A	L1	695	Roots	0	No	No	Yes
18/01/2019	14889093	29514859	25 Gulf Harbour Dr	Hobbs Bay	N/A	L1	238	Fat	0	No	No	Yes
21/01/2019	14894586	29502548	23 Shuttleworth Pl	Manly	N/A	L1	140	Unknown	0	No	No	Yes
4/02/2019	14926084	29507037	5 Berdinner Rd	Stanmore Bay	N/A	L1	152	Unknown	0	No	No	Yes
6/02/2019	14932791	29504817	438A Whangaparaoa Rd	Stanmore Bay	N/A	L1	118	Fat	0	No	No	Yes
9/02/2019	14940411	29515077	2/33 Brandon Rd	Manly	N/A	L1	110	Roots	0	No	No	Yes
18/02/2019	14961109	29515027	1/3 Sundown Ave	Manly	N/A	L1	981	Broken pipe	2.5	No	No	Yes
18/02/2019	14961308	29511947	243 Alec Craig Way	Hobbs Bay	N/A	L1	266	Rubbish	2.5	No	No	Yes
18/02/2019	14961908	29514208	30 Serene Pl	Okoromai Bay	N/A	L1	273	Roots	2.5	No	No	Yes
24/02/2019	14976983	29500870	2 Wiriana Pl	Stanmore Bay	1	L2	199	Roots	3	No	No	Yes
25/02/2019	14978018	29515131	13 Sundown Ave	Manly	N/A	L1	544	Fat	0	No	No	Yes
28/02/2019	14990095	27663183	88 Brightside Rd	Stanmore Bay	N/A	L1	297	Fat	0.5	No	No	Yes
6/03/2019	15002391	29514881	27 Buccaneer Crt	Hobbs Bay	N/A	L1	240	Unknown	0	No	No	Yes
7/03/2019	15006744	29514995	918 Whangaparaoa Rd	Manly	-	L2	186	Fat	6	No	No	Yes
8/03/2019	15010191	29514685	50 Kensington Tce	Hobbs Bay	N/A	L1	149	Roots	14.5	No	No	Yes
10/03/2019	15013580	29514685	50 Kensington Tce	Hobbs Bay	N/A	L1	283	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/03/2019	15021720	29515672	9 Astrolabe Pl	Hobbs Bay	N/A	L1	250	Fat	0	No	No	Yes
17/03/2019	15031092	27662971	8 Elgin Pl	Red Beach	N/A	L1	103	Unknown	0	No	No	Yes
10/04/2019	15095707	29506893	955 Whangaparaoa Rd	Manly	N/A	L1	234	Roots	0	No	No	Yes
27/04/2019	15133063	27664264	8 Glengarry Ave	Manly	N/A	L1	165	Roots	0	No	No	Yes
6/05/2019	15154670	29516995	17B Glengarry Ave	Manly	N/A	L1	250	Broken pipe	0	No	No	Yes
7/05/2019	15161050	29501284	621 Whangaparaoa Rd	Stanmore Bay	0.25	L1	354	Fat	0	No	No	Yes
13/05/2019	15176580	27660140	15 Chelverton Tce	Red Beach	N/A	L1	158	Roots	4	No	No	Yes
15/05/2019	15184545	29513561	88 Brian Cres	Stanmore Bay	N/A	L1	225	Roots	2.5	No	No	Yes
21/05/2019	15199327	29513165	24 Serene Pl	Okoromai Bay	N/A	L1	218	Roots	0	No	No	Yes
23/05/2019	15206929	27666182	31 Shadon Pl	Stanmore Bay	N/A	L1	81	Surcharging	2.5	No	No	Yes
25/05/2019	15211319	29505126	3 Blue Heron Rise	Stanmore Bay	N/A	L1	225	Rags	0	No	No	Yes
3/06/2019	15231043	29509756	1/130 Brian Cres	Stanmore Bay	-	L2	121	Fat	0	No	No	Yes
3/06/2019	15231168	29517659	149 Brian Cres	Stanmore Bay	-	L2	65	Fat	0	No	No	Yes
9/06/2019	15246414	27671132	1/130 Brian Cres	Stanmore Bay	N/A	L1	263	Fat	0	No	No	Yes
9/06/2019	15246430	27662396	3 Arkles Strd	Arkles Bay	N/A	L1	198	Unknown	0	No	No	Yes
10/06/2019	15249704	27671896	8 Rimu Rd	Stanmore Bay	N/A	L1	243	Fat	0	No	No	Yes
12/06/2019	15254948	27660064	60 Ladies Mile	Manly	N/A	L1	228	Fat	0	No	No	Yes
25/06/2019	15291069	29509775	33A Everard Ave	Okoromai Bay	N/A	L1	251	Fat	0	No	No	Yes
26/06/2019	15291648	29514295	180 Gulf Harbour Dr	Hobbs Bay	N/A	L1	256	Fat	0.5	No	No	Yes

Table 10: Overflows in the Long Bay Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
10/07/2018	14425710	28533734	10 Watea Rd	Torbay	N/A	L1	244	Rags	10	No	No	Yes
14/07/2018	14434917	16245174	10 Watea Rd	Torbay	N/A	L1	209	Roots	0	No	No	Yes
10/08/2018	14505857	28533801	2/74 Waiau St	Torbay	N/A	L1	129	Fat	0.5	No	No	Yes
17/08/2018	14522670	16234614	70 County Rd	Torbay	N/A	L1	531	Unknown	0	No	No	Yes
29/08/2018	14548261	28531112	79 Stredwick Dr	Torbay	N/A	L1	233	Surcharging	1	No	No	Yes
21/09/2018	14607589	16238632	22 Fitzwilliam Dr	Torbay	N/A	L1	89	Roots	0	No	No	Yes
27/09/2018	14622008	28522194	19 Waiau St	Torbay	N/A	L1	60	Roots	1.5	No	No	Yes
21/10/2018	14683448	28537002	2/41 Glenvar Rd	Torbay	N/A	L1	214	Rags	0	No	No	Yes
16/11/2018	14753612	28531068	24 Lingham Cres	Torbay	N/A	L1	90	Roots	0	No	No	Yes
10/12/2018	14810232	28537009	29 Glenvar Rd	Torbay	6	L3	1340	Broken pipe	0	Yes	Yes	Yes
16/01/2019	14882701	28519677	106 Glenvar Rd	Torbay	N/A	L1	95	Unknown	0	No	No	Yes
23/01/2019	14900094	28517806	1/49 Lingham Cres	Torbay	N/A	L1	123	Rags	0	No	No	Yes
25/01/2019	14906914	28533712	1/12 Glenvar Rd	Torbay	N/A	L1	166	Broken pipe	0	No	No	Yes
25/01/2019	14907284	28517868	7 Phoebe Meikle Pl	Torbay	N/A	L1	183	Roots	0	No	No	Yes
12/02/2019	14945451	28537002	2/41 Glenvar Rd	Torbay	6	L3	296	Fat	0	Yes	Yes	Yes
13/02/2019	14951429	28537005	1/41 Glenvar Rd	Torbay	-	L3	130	Fat	0	Yes	Yes	Yes
19/02/2019	14962864	16056600	2/48 Toroa St	Torbay	N/A	L1	275	Silts	0	No	No	Yes
26/02/2019	14982819	28522226	2/48 Toroa St	Torbay	N/A	L1	103	Foreign Object	0	No	No	Yes
3/03/2019	14995331	16032935	2/85 Stredwick Dr	Torbay	N/A	L1	259	Rags	0	No	No	Yes
18/03/2019	15034577	16056600	2/48 Toroa St	Torbay	N/A	L1	184	Rubbish	0.5	No	No	Yes
26/03/2019	15054482	28537044	120 Awaruku Rd	Torbay	N/A	L1	101	Roots	0	No	No	Yes
31/03/2019	15066718	28532548	43 Okura River Rd	Okura	N/A	L1	198	Foreign Object	2.5	No	No	Yes
12/04/2019	15102033	28532556	1 Deborah Pl	Okura	N/A	L1	213	Roots	6.5	No	No	Yes
23/04/2019	15123745	16033304	96 Stredwick Dr	Torbay	N/A	L1	192	Rubbish	1	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/05/2019	15150626	28531003	2 Shannon Pl	Torbay	N/A	L1	213	Fat	0	No	No	Yes
5/05/2019	15153109	28519657	44 Awaruku Rd	Torbay	N/A	L1	148	Roots	0.5	No	No	Yes
10/05/2019	15171614	28519761	86 Stredwick Dr	Torbay	N/A	L1	121	Roots	3.5	No	No	Yes
18/05/2019	15193244	28531111	97 Stredwick Dr	Torbay	N/A	L1	252	Roots	1	No	No	Yes
21/05/2019	15199166	28502350	249 Glamorgan Dr	Torbay	N/A	L1	288	Fat	0	No	No	Yes
21/05/2019	15200619	16038782	251 Glamorgan Dr	Torbay	N/A	L1	174	3rd party damage	0	No	No	Yes
25/05/2019	15211419	28531111	97 Stredwick Dr	Torbay	N/A	L1	95	Roots	0	No	No	Yes
31/05/2019	15227901	10317529	2/46 Toroa St	Torbay	N/A	L1	265	Broken pipe	10	No	No	Yes
4/06/2019	15233260	16051581	1 Deborah Pl	Okura	N/A	L1	207	Roots	0	No	No	Yes

Table 11: Overflows in the East Coast Bays Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403246	28531382	56 Stapleford Cres	Browns Bay	N/A	L1	138	Roots	9	No	No	Yes
2/07/2018	14406111	16212158	30 Downing St	Glenfield	N/A	L1	129	Foreign Object	0.5	No	No	Yes
3/07/2018	14407787	28511866	1/1 Alma Rd	Milford	-	L2	114	Fat	1	No	No	Yes
3/07/2018	14407530	28511934	1/30 Wolsley Ave	Milford	■	L2	250	Fat	1	No	No	Yes
3/07/2018	14408205	28511934	3/28 Wolsley Ave	Milford	■	L2	122	Fat	1	No	No	Yes
4/07/2018	14412103	16252347	2 Penzance Rd	Mairangi Bay	N/A	L1	60	Rubbish	1.5	No	No	Yes
6/07/2018	14416849	16019806	1/16 Tonkin Dr	Sunnynook	N/A	L1	102	Unknown	0	No	No	Yes
7/07/2018	14418820	28536112	690A Beach Rd	Browns Bay	N/A	L1	291	Unknown	0	No	No	Yes
9/07/2018	14420889	28510007	6 Aralia Rd	Sunnynook	N/A	L1	88	Unknown	9.5	No	No	Yes
10/07/2018	14425096	28511872	39 Wolsley Ave	Milford	N/A	L1	120	Foreign Object	10	No	No	Yes
12/07/2018	14430010	28511835	1/141 Shakespeare Rd	Milford	N/A	L1	230	Rags	1	No	No	Yes
14/07/2018	14434745	28522815	167A Beach Rd	Castor Bay	-	L2	218	Unknown	0	No	No	Yes
14/07/2018	14434938	28537469	44 Bayview Rd	Browns Bay	N/A	L1	267	Roots	0	No	No	Yes
15/07/2018	14435570	28537504	1/804A Beach Rd	Browns Bay	-	L2	1146	Surcharging	3	No	No	Yes
15/07/2018	14435537	28537442	2/11 Woodlands Cres	Browns Bay	N/A	L1	1062	Surcharging	3	No	No	Yes
15/07/2018	14435583	28522600	208 Beach Rd	Campbells Bay	-	L2	294	Surcharging	3	No	No	Yes
15/07/2018	14435694	16033909	212 Beach Rd	Campbells Bay	N/A	L1	191	Surcharging	3	No	No	Yes
15/07/2018	14435398	16033777	236 Beach Rd	Campbells Bay	N/A	L1	314	Surcharging	3	No	No	Yes
15/07/2018	14435569	28511509	2C Braemar Rd	Castor Bay	N/A	L1	48	Roots	3	No	No	Yes
15/07/2018	14435431	28520780	41 Bond Cres	Forrest Hill	N/A	L1	417	Surcharging	3	No	No	Yes
15/07/2018	14435635	16035459	5 Manly Esp	Browns Bay	N/A	L1	969	Surcharging	3	No	No	Yes
15/07/2018	14435600	16015039	8 Agincourt St	Glenfield	N/A	L1	235	Surcharging	3	No	No	Yes
15/07/2018	14435479	16018519	81 Selwyn Cres	Forrest Hill	N/A	L1	273	Surcharging	3	No	No	Yes
15/07/2018	14435442	16036599	924 Beach Rd	Waiake	N/A	L1	90	Surcharging	3	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/07/2018	14436834	28504535	1 Glencoe Rd	Browns Bay	N/A	L1	115	Surcharging	32	No	No	Yes
16/07/2018	14436970	28508920	10 Avalon Pl	Glenfield	N/A	L1	278	Rags	32	No	No	Yes
16/07/2018	14437814	28504039	16 Hythe Tce	Mairangi Bay	N/A	L1	271	Unknown	32	No	No	Yes
16/07/2018	14437278	28510145	2/13 Jonathan Pl	Sunnynook	N/A	L1	191	Surcharging	32	No	No	Yes
16/07/2018	14436951	16036805	34 Cranston St	Torbay	N/A	L1	222	Surcharging	32	No	No	Yes
16/07/2018	14437553	28519966	39 Acacia Rd	Torbay	N/A	L1	227	Surcharging	32	No	No	Yes
17/07/2018	14441898	28508793	14 Hamilton Pl	Glenfield	N/A	L1	245	Rags	3	No	No	Yes
17/07/2018	14441301	28522633	15 The Esplanade	Campbells Bay	N/A	L1	105	Surcharging	3	No	No	Yes
17/07/2018	14440893	28522663	200A Beach Rd	Campbells Bay	N/A	L1	188	Surcharging	3	No	No	Yes
18/07/2018	14443295	28533578	2/5 Woodstock Rd	Forrest Hill	N/A	L1	198	Surcharging	0.5	No	No	Yes
18/07/2018	14443743	16212158	30 Downing St	Glenfield	N/A	L1	169	Broken pipe	0.5	No	No	Yes
18/07/2018	14443314	28533508	6 Linwood Ave	Forrest Hill	N/A	L1	109	Surcharging	0.5	No	No	Yes
18/07/2018	14443166	16018519	81 Selwyn Cres	Forrest Hill	N/A	L1	118	Surcharging	0.5	No	No	Yes
19/07/2018	14448136	28504039	16 Hythe Tce	Mairangi Bay	N/A	L1	124	Foreign Object	0	No	No	Yes
19/07/2018	14446999	28534468	2/29 Orchard Rd	Browns Bay	N/A	L1	154	Unknown	0	No	No	Yes
20/07/2018	14450245	16037719	7 Aberdeen Rd	Castor Bay	N/A	L1	148	Roots	5	No	No	Yes
23/07/2018	14454107	28522382	2 Rae Rd	Campbells Bay	N/A	L1	189	Roots	12.5	No	No	Yes
25/07/2018	14463735	28520396	511 Beach Rd	Murrays Bay	-	L2	59	Roots	0	No	No	Yes
27/07/2018	14467987	28537442	2/11 Woodlands Cres	Browns Bay	N/A	L1	156	Rags	0	No	No	Yes
29/07/2018	14471154	28534525	Beach Front Lane	Browns Bay	N/A	L1	231	Rags	4.5	No	No	Yes
31/07/2018	14475806	28514152	18 Inga Rd	Milford	N/A	L1	179	Fat	0.5	No	No	Yes
31/07/2018	14477504	28519575	38 Helvetia Dr	Browns Bay	-	L3	0	Broken pipe	0.5	Yes	Yes	Yes
1/08/2018	14480392	16234992	13 Tudor Pl	Mairangi Bay	N/A	L1	120	Broken pipe	0	No	No	Yes
2/08/2018	14482656	28522606	208 Beach Rd	Campbells Bay	N/A	L1	83	Rags	0	No	No	Yes
4/08/2018	14489512	28531287	1 Topliss Dr	Torbay	-	L2	406	Roots	1	No	No	Yes
4/08/2018	14489635	16225743	229 Sunset Rd	Sunnynook	N/A	L1	78	Fat	1	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
6/08/2018	14493086	16033723	1/236 Beach Rd	Campbells Bay	N/A	L1	67	Surcharging	0.5	No	No	Yes
6/08/2018	14492395	28526723	234 Hurstmere Rd	Takapuna	N/A	L1	95	Rags	0.5	No	No	Yes
6/08/2018	14491641	28507540	26 Tiri Rd	Milford	N/A	L1	108	Silts	0.5	No	No	Yes
6/08/2018	14491461	16209412	3/22 Hogans Rd	Glenfield	N/A	L1	224	Unknown	0.5	No	No	Yes
7/08/2018	14494487	28525663	1/16 Brook St	Milford	N/A	L1	128	Unknown	1	No	No	Yes
8/08/2018	14499447	28522064	1/16 View Rd	Campbells Bay	N/A	L1	81	Roots	0	No	No	Yes
8/08/2018	14498197	28536045	1/52 Glencoe Rd	Browns Bay	-	L2	116	Rags	0	No	No	Yes
9/08/2018	14501329	28530871	44 Mulgan Way	Browns Bay	N/A	L1	190	Roots	8.5	No	No	Yes
12/08/2018	14507075	28520093	6 Finchley Rd	Torbay	N/A	L1	163	Fat	0	No	No	Yes
13/08/2018	14509025	28510018	11 Jonathan Pl	Sunnynook	■	L3	114	Unknown	0	Yes	Yes	Yes
13/08/2018	14509189	28521987	15 Bournemouth Tce	Murrays Bay	■	L2	693	Fat	0	No	No	Yes
14/08/2018	14513016	28537396	5/43 Anzac Rd	Browns Bay	N/A	L1	134	Fat	16	No	No	Yes
15/08/2018	14515874	28509939	17 Sequoia Pl	Sunnynook	N/A	L1	241	Roots	9.5	No	No	Yes
15/08/2018	14515255	28504552	5/43 Anzac Rd	Browns Bay	N/A	L1	123	Foreign Object	9.5	No	No	Yes
15/08/2018	14516658	28520966	60 Ravenwood Dr	Forrest Hill	-	L2	115	Unknown	9.5	No	No	Yes
15/08/2018	14516752	28515975	75 Velma Rd	Hillcrest	N/A	L1	207	Roots	9.5	No	No	Yes
17/08/2018	14521695	28524632	1/2 The Esplanade	Castor Bay	N/A	L1	166	Unknown	0	No	No	Yes
18/08/2018	14523341	28520106	1/31 Glencoe Rd	Browns Bay	N/A	L1	150	Roots	3	No	No	Yes
18/08/2018	14523777	28509933	38A Sequoia Pl	Sunnynook	N/A	L1	202	Roots	3	No	No	Yes
19/08/2018	14524307	28507754	11 Gulf View Rd	Murrays Bay	N/A	L1	92	Unknown	1.5	No	No	Yes
20/08/2018	14525865	28521965	1/3 Portal Pl	Murrays Bay	■	L2	118	Unknown	0	No	No	Yes
21/08/2018	14528807	28511934	4/12 Stratford Ave	Milford	■	L2	254	Broken pipe	1	No	No	Yes
22/08/2018	14533774	28536075	32 Crestview Pl	Browns Bay	N/A	L1	138	Fat	6.5	No	No	Yes
23/08/2018	14536535	28514273	37 Manurere Ave	Takapuna	N/A	L1	186	Roots	6	No	No	Yes
23/08/2018	14536398	28503468	49 Ayton Dr	Totara Vale	N/A	L1	69	Unknown	6	No	No	Yes
26/08/2018	14540642	28520196	20 Beulah Ave	Rothsay Bay	N/A	L1	297	Broken pipe	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/08/2018	14548696	28521032	1/1 Seine Rd	Forrest Hill	N/A	L1	106	Surcharging	1	No	No	Yes
29/08/2018	14548238	16033777	1/236 Beach Rd	Campbells Bay	N/A	L1	278	Surcharging	1	No	No	Yes
29/08/2018	14549943	28510536	2/49 Bentley Ave	Glenfield	-	L2	118	Surcharging	1	No	No	Yes
29/08/2018	14548342	28533578	2/5 Woodstock Rd	Forrest Hill	N/A	L1	373	Surcharging	1	No	No	Yes
29/08/2018	14548306	28521050	2/7 Phillip Pde	Forrest Hill	N/A	L1	203	Surcharging	1	No	No	Yes
29/08/2018	14548327	16018519	81 Selwyn Cres	Forrest Hill	N/A	L1	369	Surcharging	1	No	No	Yes
30/08/2018	14553383	28535942	12 Wilkinson Way	Browns Bay	N/A	L1	230	Roots	29.5	No	No	Yes
30/08/2018	14553486	28524784	2 Sylvan Park Ave	Milford	N/A	L1	103	Rags	29.5	No	No	Yes
30/08/2018	14551366	28506628	2/44 Nile Rd	Milford	N/A	L1	64	Surcharging	29.5	No	No	Yes
30/08/2018	14551341	28504844	212 Beach Rd	Campbells Bay	N/A	L1	32	Surcharging	29.5	No	No	Yes
31/08/2018	14554665	28519339	10 Rewi St	Torbay	N/A	L1	158	Surcharging	0	No	No	Yes
31/08/2018	14555134	28510533	2/49 Bentley Ave	Glenfield	N/A	L1	93	Unknown	0	No	No	Yes
4/09/2018	14563997	28503302	75 Porana Rd	Hillcrest	N/A	L1	98	Fat	12.5	No	No	Yes
6/09/2018	14568238	28511843	1/12 Corunna Rd	Milford	N/A	L1	21	Rags	0	No	No	Yes
7/09/2018	14572977	28521987	15 Bournemouth Tce	Murrays Bay	N/A	L1	271	Roots	10	No	No	Yes
7/09/2018	14572982	28514905	2 Montclair Rise	Browns Bay	N/A	L1	281	Fat	10	No	No	Yes
8/09/2018	14573590	28527839	60 Helvetia Dr	Browns Bay	N/A	L1	244	Fat	0	No	No	Yes
8/09/2018	14573708	28527845	66 Helvetia Dr	Browns Bay	N/A	L1	92	Fat	0	No	No	Yes
10/09/2018	14576508	28536155	32 Nigel Rd	Browns Bay	N/A	L1	113	Roots	0	No	No	Yes
12/09/2018	14582955	28531423	2 Stapleford Cres	Browns Bay	N/A	L1	237	Roots	2	No	No	Yes
12/09/2018	14584546	28527285	2/18 Ocean View Rd	Milford	N/A	L1	76	Unknown	2	No	No	Yes
14/09/2018	14591064	28525518	2/123 Athena Dr	Totara Vale	N/A	L1	133	Broken Pipe	0	No	No	Yes
14/09/2018	14589977	28533678	33 Watea Rd	Torbay	N/A	L1	192	Roots	0	No	No	Yes
17/09/2018	14594785	28513492	14 Ashfield Rd	Wairau Valley	N/A	L1	63	Broken pipe	0	No	No	Yes
17/09/2018	14594617	28525518	2/123 Athena Dr	Totara Vale	N/A	L1	673	Broken pipe	0	No	No	Yes
17/09/2018	14594087	28536155	32 Nigel Rd	Browns Bay	N/A	L1	102	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
19/09/2018	14600531	28513936	2/84-90 Hillside Rd	Wairau Valley	N/A	L1	151	Unknown	21.5	No	No	Yes
23/09/2018	14609808	28527529	205A Hurstmere Rd	Takapuna	N/A	L1	132	Unknown	7.5	No	No	Yes
24/09/2018	14613625	28514152	18 Inga Rd	Milford	N/A	L1	900	Foreign Object	0	No	No	Yes
26/09/2018	14618053	28513936	84-90 Hillside Rd	Wairau Valley	N/A	L1	122	Unknown	2	No	No	Yes
27/09/2018	14621067	28521797	1/22 William Souter St	Forrest Hill	N/A	L1	71	Roots	1.5	No	No	Yes
3/10/2018	14636545	16233940	1/73 Oaktree Ave	Browns Bay	N/A	L1	125	Roots	0	No	No	Yes
3/10/2018	14636189	28513370	535 Glenfield Rd	Glenfield	N/A	L1	283	Roots	0	No	No	Yes
4/10/2018	14639299	50176803	25 Anzac Rd	Browns Bay	N/A	L1	262	Fat	0	No	No	Yes
4/10/2018	14637848	28522518	60 Aberdeen Rd	Campbells Bay	1	L3	144	Unknown	0	Yes	Yes	Yes
6/10/2018	14643410	28536112	690A Beach Rd	Browns Bay	N/A	L1	225	Fat	0	No	No	Yes
8/10/2018	14645948	28516317	30 Greenvally Rise	Glenfield	N/A	L1	104	Roots	0	No	No	Yes
9/10/2018	14650048	28522397	24 Channel View Rd	Campbells Bay	N/A	L1	279	Unknown	0	No	No	Yes
10/10/2018	14655176	28537330	16 Carina Cres	Torbay	N/A	L1	135	Roots	0	No	No	Yes
11/10/2018	14657917	28504655	1/20 Rangitoto Tce	Milford	N/A	L1	78	Unknown	24.5	No	No	Yes
11/10/2018	14658442	16212713	119 Diana Dr	Wairau Valley	N/A	L1	84	Unknown	24.5	No	No	Yes
11/10/2018	14658161	28511784	3/2 Tobruk Cres	Milford	N/A	L1	96	Silts	24.5	No	No	Yes
12/10/2018	14662180	16225715	2/93 Athena Dr	Totara Vale	N/A	L1	99	Fat	5.5	No	No	Yes
13/10/2018	14662937	28536065	2/4 Phillipa Pl	Browns Bay	N/A	L1	126	Roots	4.5	No	No	Yes
13/10/2018	14663500	28516317	30 Greenvally Rise	Glenfield	N/A	L1	860	Roots	4.5	No	No	Yes
15/10/2018	14666815	28513347	1/20 Hogans Rd	Glenfield	N/A	L1	201	Fat	0	No	No	Yes
16/10/2018	14669855	28513413	13 Hogans Rd	Glenfield	N/A	L1	58	Unknown	0	No	No	Yes
16/10/2018	14669789	28520437	14 Jutland St	Mairangi Bay	N/A	L1	201	Unknown	0	No	No	Yes
16/10/2018	14670011	28521170	4 Livingstone St	Milford	N/A	L1	276	Broken pipe	0	No	No	Yes
18/10/2018	14677500	51124981	6 Geoffrey Rd	Torbay	N/A	L1	173	Silts	0.5	No	No	Yes
19/10/2018	14680085	28509865	1/62 Target Rd	Totara Vale	N/A	L1	122	Unknown	0	No	No	Yes
19/10/2018	14679993	16264561	10 Lincoln Cl	Northcross	N/A	L1	567	Broken pipe	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
19/10/2018	14681126	28534468	2/29 Orchard Rd	Browns Bay	N/A	L1	79	Unknown	0	No	No	Yes
20/10/2018	14682569	28522519	82 Aberdeen Rd	Campbells Bay	N/A	L1	246	Fat	0	No	No	Yes
21/10/2018	14683191	28533301	30 Maxwelton Dr	Mairangi Bay	N/A	L1	116	Roots	0	No	No	Yes
23/10/2018	14687878	16205525	6 Holiday Rd	Milford	N/A	L1	70	Fat	2.5	No	No	Yes
24/10/2018	14688722	16251712	111 Clyde Rd	Browns Bay	N/A	L1	160	Unknown	0	No	No	Yes
25/10/2018	14693249	28519904	25 Geoffrey Rd	Torbay	N/A	L1	131	Unknown	0	No	No	Yes
26/10/2018	14698156	28537619	1/49 Browns Bay Rd	Browns Bay	N/A	L1	106	Silts	10.5	No	No	Yes
26/10/2018	14697361	28521033	129 Nile Rd	Milford	N/A	L1	292	3rd party damage	10.5	No	No	Yes
26/10/2018	14698841	28533541	28A Woodstock Rd	Forrest Hill	N/A	L1	142	Fat	10.5	No	No	Yes
26/10/2018	14697485	16234389	49 Nigel Rd	Browns Bay	N/A	L1	232	Roots	10.5	No	No	Yes
28/10/2018	14700386	28521335	2/13 Quebec Rd	Milford	N/A	L1	126	Fat	2	No	No	Yes
31/10/2018	14711280	28533209	84 Hastings Rd	Mairangi Bay	N/A	L1	159	Foreign Object	0	No	No	Yes
1/11/2018	14712860	28513941	1/104 Hillside Rd	Glenfield	N/A	L1	223	Unknown	3	No	No	Yes
3/11/2018	14719476	28536976	Penguin Dr	Murrays Bay	N/A	L1	204	Fat	0	No	No	Yes
5/11/2018	14721064	28511460	3 Kenmure Ave	Forrest Hill	N/A	L1	18	3rd party damage	0.5	No	No	Yes
5/11/2018	14724216	28520552	8 Grenada Ave	Forrest Hill	N/A	L1	127	Fat	0.5	No	No	Yes
8/11/2018	14732607	28522459	1/58 Channel View Rd	Campbells Bay	N/A	L1	114	Unknown	0	No	No	Yes
8/11/2018	14733073	28508795	95 Bruce Rd	Glenfield	N/A	L1	70	Unknown	0	No	No	Yes
10/11/2018	14737929	28510088	88 Sycamore Dr	Sunnynook	N/A	L1	150	Roots	2	No	No	Yes
12/11/2018	14740933	28520747	43 Merriefield Ave	Forrest Hill	N/A	L1	91	Fat	0	No	No	Yes
14/11/2018	14746983	28531335	1/236 Glamorgan Dr	Northcross	N/A	L1	143	Unknown	3	No	No	Yes
14/11/2018	14748371	28537280	48A Deep Creek Rd	Torbay	N/A	L1	241	Fat	3	No	No	Yes
20/11/2018	14761594	28522170	60 Sharon Rd	Waiake	N/A	L1	109	Fat	1.5	No	No	Yes
21/11/2018	14766632	28522243	1/10 Matipo Rd	Mairangi Bay	0.25	L3	62	Fat	12	Yes	Yes	Yes
22/11/2018	14769755	28531372	18 Barker Rise	Northcross	N/A	L1	71	Rags	7	No	No	Yes
22/11/2018	14769592	28505460	409 Beach Rd	Mairangi Bay	N/A	L1	94	Foreign Object	7	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/11/2018	14773567	16058995	11 Belle Verde Dr	Sunnynook	N/A	L1	159	Fat	14	No	No	Yes
26/11/2018	14774438	16020850	2/44 Nile Rd	Milford	N/A	L1	220	Surcharging	1.5	No	No	Yes
27/11/2018	14778543	28510018	11 Jonathan Pl	Sunnynook	3	L2	236	Unknown	4.5	No	No	Yes
27/11/2018	14777983	28535532	70 Cliff Rd	Torbay	N/A	L1	89	Surcharging	4.5	No	No	Yes
28/11/2018	14783192	28526769	3/248 Hurstmere Rd	Takapuna	N/A	L1	257	Roots	0	No	No	Yes
30/11/2018	14789733	28533987	21A Ridge Rd	Waiake	N/A	L1	162	Rags	1.5	No	No	Yes
3/12/2018	14793427	28521805	60A Matipo Rd	Mairangi Bay	N/A	L1	231	Fat	22.5	No	No	Yes
3/12/2018	14792489	16018519	81 Selwyn Cres	Forrest Hill	N/A	L1	135	Surcharging	22.5	No	No	Yes
5/12/2018	14801024	28512311	4 Woodlands Cres	Browns Bay	0.5	L2	180	Unknown	2.5	No	No	Yes
6/12/2018	14802014	28520558	5 Springfield St	Forrest Hill	N/A	L1	113	Unknown	3.5	No	No	Yes
8/12/2018	14807984	16036244	1/620- Beach Rd	Browns Bay	N/A	L1	222	Unknown	0	No	No	Yes
8/12/2018	14807340	28519068	29 Belle Verde Dr	Sunnynook	1.5	L1	107	Unknown	0	No	No	Yes
10/12/2018	14809345	28524892	1/20A Lavery Pl	Sunnynook	N/A	L1	140	Roots	0	No	No	Yes
10/12/2018	14811243	28512069	13 Katui St	Castor Bay	N/A	L1	186	Roots	0	No	No	Yes
11/12/2018	14813874	28537305	2A Mizpah Rd	Torbay	N/A	L1	181	Fat	0	No	No	Yes
11/12/2018	14813703	28512104	40 Seaview Rd	Castor Bay	N/A	L1	260	Unknown	0	No	No	Yes
11/12/2018	14814832	28514861	9 Sartors Ave	Northcross	N/A	L1	161	Roots	0	No	No	Yes
13/12/2018	14819267	16033364	1/145 Glamorgan Dr	Torbay	-	L2	286	3rd party damage	0	No	No	Yes
13/12/2018	14820027	28521062	2/33 Corunna Rd	Milford	N/A	L1	292	Unknown	0	No	No	Yes
13/12/2018	14820931	10317531	4/1 Richards Ave	Forrest Hill	N/A	L1	176	Unknown	0	No	No	Yes
14/12/2018	14822957	28511971	50 Castor Bay Rd	Castor Bay	N/A	L1	187	Roots	2	No	No	Yes
15/12/2018	14824330	28512946	603A Glenfield Rd	Totara Vale	N/A	L1	106	Roots	0.5	No	No	Yes
17/12/2018	14828417	28522106	3 Sidmouth St	Mairangi Bay	0.25	L2	121	Foreign Object	0	No	No	Yes
20/12/2018	14836024	28510072	30 Tonkin Dr	Sunnynook	N/A	L1	134	Unknown	16	No	No	Yes
20/12/2018	14836005	28513590	511 Glenfield Rd	Glenfield	N/A	L1	89	Roots	16	No	No	Yes
22/12/2018	14841412	28522806	109 Braemar Rd	Castor Bay	N/A	L1	144	Unknown	1.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/12/2018	14842134	16018526	1/91 Selwyn Cres	Forrest Hill	N/A	L1	191	Surcharging	12	No	No	Yes
23/12/2018	14842143	28522632	15 The Esplanade	Campbells Bay	N/A	L1	127	Surcharging	12	No	No	Yes
23/12/2018	14842136	28521045	2/7 Phillip Pde	Forrest Hill	N/A	L1	247	Surcharging	12	No	No	Yes
23/12/2018	14842181	16020512	5 Inga Rd	Milford	N/A	L1	160	Surcharging	12	No	No	Yes
23/12/2018	14842130	28533578	5 Woodstock Rd	Forrest Hill	N/A	L1	187	Surcharging	12	No	No	Yes
24/12/2018	14844423	16035297	22A Jutland St	Mairangi Bay	N/A	L1	101	Surcharging	67	No	No	Yes
25/12/2018	14844764	28522632	15 The Esplanade	Campbells Bay	N/A	L1	1185	Surcharging	14	No	No	Yes
25/12/2018	14844702	16020584	8 Becroft Dr	Forrest Hill	N/A	L1	151	Surcharging	14	No	No	Yes
26/12/2018	14845150	28521789	20 Penzance Rd	Mairangi Bay	N/A	L1	117	Roots	1	No	No	Yes
26/12/2018	14845083	16036805	34 Cranston St	Torbay	N/A	L1	366	Surcharging	1	No	No	Yes
26/12/2018	14845113	28501574	684 Beach Rd	Browns Bay	N/A	L1	283	Fat	1	No	No	Yes
27/12/2018	14846650	16040399	10 Regency Pl	Sunnynook	N/A	L1	202	Surcharging	0	No	No	Yes
27/12/2018	14845746	16020735	41 Bond Cres	Forrest Hill	N/A	L1	98	Surcharging	0	No	No	Yes
28/12/2018	14848303	28519903	1 Thelma Cres	Torbay	N/A	L1	146	Roots	0	No	No	Yes
28/12/2018	14848339	16018519	81 Selwyn Cres	Forrest Hill	N/A	L1	235	Unknown	0	No	No	Yes
30/12/2018	14850554	28511689	1/112 Nile Rd	Milford	N/A	L1	123	Unknown	0	No	No	Yes
30/12/2018	14850643	16033592	25C Marina Rd	Torbay	N/A	L1	280	Rubbish	0	No	No	Yes
1/01/2019	14852850	28516049	10 Blenheim St	Glenfield	N/A	L2	225	Fat	0	No	No	Yes
1/01/2019	14853088	28500821	32 Lingfield St	Glenfield	N/A	L1	231	Fat	0	No	No	Yes
8/01/2019	14864342	16232868	31 Tetrarch Pl	Totara Vale	N/A	L1	262	Unknown	0	No	No	Yes
10/01/2019	14870231	28537481	41 Bute Rd	Browns Bay	N/A	L1	190	Unknown	0	No	No	Yes
11/01/2019	14873441	28535398	27A Rewi St	Torbay	N/A	L1	185	Fat	0	No	No	Yes
15/01/2019	14879807	16036597	25 Carina Cres	Torbay	N/A	L1	72	Surcharging	0.5	No	No	Yes
22/01/2019	14897464	28520630	8 Pax Ave	Forrest Hill	N/A	L1	170	3rd party damage	0	No	No	Yes
29/01/2019	14913411	28522422	90 Park Rise	Campbells Bay	N/A	L1	190	Unknown	0	No	No	Yes
31/01/2019	14920608	28516385	1/4 Archers Rd	Glenfield	N/A	L1	624	3rd party damage	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/02/2019	14922548	16011946	14 Ashfield Rd	Wairau Valley	N/A	L1	135	Broken pipe	0	No	No	Yes
3/02/2019	14925361	28520317	33 Lyons Ave	Murrays Bay	N/A	L1	186	Unknown	6.5	No	No	Yes
7/02/2019	14934438	28510018	11 Jonathan Pl	Sunnynook	-	L2	262	Fat	0	No	No	Yes
11/02/2019	14942892	28531410	2/10 Newstead Ave	Browns Bay	N/A	L1	155	Roots	0	No	No	Yes
13/02/2019	14949397	28511534	18 Castor Bay Rd	Castor Bay	N/A	L1	140	Rags	0	No	No	Yes
13/02/2019	14949717	28513690	46-48 Hillside Rd	Wairau Valley	-	L2	241	Roots	0	No	No	Yes
13/02/2019	14950284	28508795	95 Bruce Rd	Glenfield	N/A	L1	157	Roots	0	No	No	Yes
17/02/2019	14958811	28518718	32A Lyttelton Ave	Forrest Hill	N/A	L1	177	Roots	0	No	No	Yes
18/02/2019	14962013	16033024	2/10 Newstead Ave	Browns Bay	N/A	L1	381	Roots	0	No	No	Yes
18/02/2019	14960162	28526723	234 Hurstmere Rd	Takapuna	N/A	L1	120	Broken pipe	0	No	No	Yes
20/02/2019	14967983	16037816	1 Glen Rd	Browns Bay	N/A	L1	194	3rd party damage	2.5	No	No	Yes
21/02/2019	14971485	28513695	46-48 Hillside Rd	Wairau Valley	N/A	L1	218	Unknown	0	No	No	Yes
22/02/2019	14972608	28527444	2 Tacitus Pl	Totara Vale	N/A	L1	104	Roots	31.5	No	No	Yes
24/02/2019	14976941	16234020	1/17 Dianthus Pl	Browns Bay	N/A	L1	80	Unknown	3.5	No	No	Yes
26/02/2019	14983318	16260568	14 Rock Isle Rd	Torbay	N/A	L1	276	Unknown	0	No	No	Yes
27/02/2019	14985465	50286713	1/16 Tonkin Dr	Sunnynook	N/A	L1	188	Fat	0	No	No	Yes
27/02/2019	14986492	28536045	1/52 Glencoe Rd	Browns Bay	-	L3	316	Fat	0	Yes	Yes	Yes
27/02/2019	14984543	28521703	32 Newhaven Tce	Mairangi Bay	N/A	L1	240	3rd Party Damage	0	No	No	Yes
27/02/2019	14986572	28510088	88 Sycamore Dr	Sunnynook	N/A	L1	136	Roots	0	No	No	Yes
1/03/2019	14992882	28536063	10A Phillipa Pl	Browns Bay	N/A	L1	376	Unknown	0	No	No	Yes
2/03/2019	14994257	28519575	6 Bushglen Crt	Browns Bay	-	L2	309	Broken pipe	0	No	No	Yes
4/03/2019	14997815	28511689	1/112 Nile Rd	Milford	0.25	L2	285	Roots	0	No	No	Yes
4/03/2019	14998142	16217541	1/4 Archers Rd	Glenfield	N/A	L1	279	Roots	0	No	No	Yes
4/03/2019	14996093	16074398	2/110 Nile Rd	Milford	N/A	L1	80	Fat	0	No	No	Yes
6/03/2019	15003769	28537442	2/11 Woodlands Cres	Browns Bay	N/A	L1	173	Rags	0	No	No	Yes
6/03/2019	15001932	28527193	5 Eric Price Ave	Takapuna	N/A	L1	156	Rubbish	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/03/2019	15012485	28536064	10A Phillipa Pl	Browns Bay	N/A	L1	443	Rags	2.5	No	No	Yes
9/03/2019	15012420	28506832	17B Rangitoto Tce	Milford	N/A	L1	283	Fat	2.5	No	No	Yes
9/03/2019	15013219	28520196	18 Beulah Ave	Rothsay Bay	N/A	L1	100	Unknown	2.5	No	No	Yes
9/03/2019	15012796	28527199	31 Kitchener Rd	Takapuna	N/A	L1	155	Roots	2.5	No	No	Yes
11/03/2019	15016665	28536063	10A Phillipa Pl	Browns Bay	N/A	L1	312	Roots	0	No	No	Yes
11/03/2019	15016228	28521858	34 William Souter St	Forrest Hill	N/A	L1	140	Roots	0	No	No	Yes
15/03/2019	15027181	.	18 Knightsbridge Dr	Forrest Hill	N/A	L1	12	Roots	0	No	No	Yes
16/03/2019	15030606	28502956	1/341 Wairau Rd	Totara Vale	N/A	L1	236	Unknown	0	No	No	Yes
17/03/2019	15031345	16236362	1/1 Varlene Tce	Forrest Hill	N/A	L1	56	Unknown	0	No	No	Yes
18/03/2019	15034748	28537709	1/4 Braemar Rd	Rothsay Bay	N/A	L1	152	Fat	0.5	No	No	Yes
18/03/2019	15033280	28537204	35 Marina Rd	Torbay	N/A	L1	172	Roots	0.5	No	No	Yes
19/03/2019	15037529	16019121	12 Midway Ave	Castor Bay	N/A	L1	141	Roots	0	No	No	Yes
19/03/2019	15037766	28531685	9 Celina Pl	Browns Bay	N/A	L1	351	Rags	0	No	No	Yes
21/03/2019	15043720	28522815	167A Beach Rd	Castor Bay	N/A	L1	279	Unknown	0	No	No	Yes
21/03/2019	15044150	16249853	3/61 Sunrise Ave	Murrays Bay	N/A	L1	265	Rubbish	0	No	No	Yes
22/03/2019	15044666	28535621	85 Marlborough Ave	Glenfield	N/A	L1	114	Unknown	0.5	No	No	Yes
23/03/2019	15048203	28521080	2/60 Selwyn Cres	Forrest Hill	N/A	L1	271	Fat	0.5	No	No	Yes
25/03/2019	15051851	28510072	1/20-28 Tonkin Dr	Sunnynook	N/A	L1	1155	Fat	0	No	No	Yes
26/03/2019	15054960	16019784	1/20-28 Tonkin Dr	Sunnynook	N/A	L1	237	Fat	0	No	No	Yes
29/03/2019	15064662	50068096	102A Target Rd	Wairau Valley	N/A	L1	77	Unknown	1.5	No	No	Yes
31/03/2019	15066284	28513887	55 Hatherlow St	Glenfield	N/A	L1	118	Fat	2.5	No	No	Yes
4/04/2019	15079252	28502703	21 Marywil Cres	Hillcrest	N/A	L1	100	Roots	2	No	No	Yes
6/04/2019	15083555	28536063	10A Phillipa Pl	Browns Bay	N/A	L1	272	Fat	6.5	No	No	Yes
6/04/2019	15084477	16033692	4 The Esplanade	Campbells Bay	N/A	L1	230	Roots	6.5	No	No	Yes
7/04/2019	15085146	16019653	1/11 Jonathan Pl	Sunnynook	N/A	L1	131	Surcharging	0.5	No	No	Yes
7/04/2019	15085256	28509931	22 Sequoia Pl	Sunnynook	N/A	L1	83	Roots	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
8/04/2019	15087441	28533519	1/35 Sunnynook Rd	Forrest Hill	N/A	L1	254	Fat	0.5	No	No	Yes
9/04/2019	15091583	16033227	1/107 Glamorgan Dr	Torbay	N/A	L1	107	Roots	0	No	No	Yes
12/04/2019	15101186	28533576	1/64 Blakeborough Dr	Forrest Hill	0.25	L2	149	Fat	6.5	No	No	Yes
14/04/2019	15104781	28513301	559D Glenfield Rd	Glenfield	N/A	L1	485	3rd party damage	0	No	No	Yes
15/04/2019	15107409	28536076	32 Crestview Pl	Browns Bay	N/A	L1	119	Fat	0	No	No	Yes
15/04/2019	15106345	28509891	61 Target Rd	Totara Vale	N/A	L1	356	Roots	0	No	No	Yes
23/04/2019	15122611	28524441	14 Beach Rd	Castor Bay	N/A	L1	281	Unknown	1	No	No	Yes
23/04/2019	15124737	28513251	30A Hogans Rd	Glenfield	N/A	L1	226	Rubbish	1	No	No	Yes
25/04/2019	15128696	28524803	1/74 Kitchener Rd	Milford	N/A	L1	272	Fat	0	No	No	Yes
27/04/2019	15132313	16037807	45 Anzac Rd	Browns Bay	N/A	L1	282	Unknown	0	No	No	Yes
29/04/2019	15135385	28528264	1/1 Long St	Torbay	N/A	L1	184	Fat	5.5	No	No	Yes
3/05/2019	15148272	28511934	1/28 Wolsley Ave	Milford	N/A	L1	297	Unknown	0	No	No	Yes
7/05/2019	15159046	28519964	1/19 Ceramco Pl	Torbay	N/A	L1	140	Fat	3	No	No	Yes
7/05/2019	15159673	16032005	12 Tawavale Cres	Totara Vale	N/A	L1	185	Roots	3	No	No	Yes
7/05/2019	15161357	28505308	9 Mistletoe Pl	Browns Bay	N/A	L1	359	Fat	3	No	No	Yes
8/05/2019	15162846	28516284	29 Greendale Spur	Glenfield	N/A	L1	193	Roots	0	No	No	Yes
9/05/2019	15166318	28522894	39 Chequers Ave	Glenfield	N/A	L1	428	3rd party damage	0	No	No	Yes
9/05/2019	15168351	16037786	49 Anzac Rd	Browns Bay	N/A	L1	40	Unknown	0	No	No	Yes
9/05/2019	15165979	28531544	7 Squirrel Lane	Browns Bay	N/A	L1	148	Roots	0	No	No	Yes
10/05/2019	15169280	28526706	288 Hurstmere Rd	Takapuna	N/A	L1	229	Broken pipe	3.5	No	No	Yes
10/05/2019	15170676	28510041	36 Salamanca Rd	Sunnynook	N/A	L1	184	Roots	3.5	No	No	Yes
11/05/2019	15174428	28527281	1/28 Ocean View Rd	Milford	N/A	L1	187	Rags	0.5	No	No	Yes
12/05/2019	15175056	28531563	1/61 Oaktree Ave	Browns Bay	N/A	L1	170	Roots	29	No	No	Yes
12/05/2019	15174969	28527284	28 Ocean View Rd	Milford	N/A	L1	134	Unknown	29	No	No	Yes
13/05/2019	15177074	28531606	1/21 Walnut Lane	Browns Bay	N/A	L1	197	Fat	2	No	No	Yes
15/05/2019	15182679	28537444	2/11 Woodlands Cres	Browns Bay	N/A	L1	245	Foreign Object	4	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/05/2019	15186537	28511147	1/27 Ramillies Pl	Glenfield	N/A	L1	238	Roots	3.5	No	No	Yes
17/05/2019	15192513	16034848	1/525 Beach Rd	Murrays Bay	N/A	L1	108	Roots	3.5	No	No	Yes
17/05/2019	15190901	16037807	45 Anzac Rd	Browns Bay	N/A	L1	486	Unknown	3.5	No	No	Yes
19/05/2019	15194539	28511240	3/29 Velma Rd	Hillcrest	N/A	L1	263	Fat	4.5	No	No	Yes
21/05/2019	15200571	28533424	12 Galaxy Dr	Mairangi Bay	N/A	L1	254	Foreign Object	0	No	No	Yes
21/05/2019	15199453	16074399	2/13 Pierce Rd	Milford	N/A	L1	330	Roots	0	No	No	Yes
22/05/2019	15203201	16034417	83A Castor Bay Rd	Castor Bay	N/A	L1	194	Roots	1.5	No	No	Yes
24/05/2019	15208808	16019186	7 Parr Tce	Castor Bay	N/A	L1	174	Fat	0	No	No	Yes
25/05/2019	15211465	28531544	5 Squirrel Lane	Browns Bay	N/A	L1	120	Rags	0	No	No	Yes
26/05/2019	15212102	28516162	65 Archers Rd	Hillcrest	N/A	L1	1236	Unknown	0	No	No	Yes
28/05/2019	15217901	28522010	2/12 Montrose Tce	Mairangi Bay	N/A	L1	207	Broken pipe	9	No	No	Yes
28/05/2019	15218546	16034424	62 Sharon Rd	Waiake	N/A	L1	152	Roots	9	No	No	Yes
29/05/2019	15222636	28514260	15 Manurere Ave	Takapuna	N/A	L1	355	Fat	0.5	No	No	Yes
29/05/2019	15222578	28524783	Pierce Rd	Milford	N/A	L1	243	Unknown	0.5	No	No	Yes
2/06/2019	15230515	28504472	6 Rock Isle Rd	Torbay	N/A	L1	121	Foreign Object	3.5	No	No	Yes
3/06/2019	15231407	28511697	1/11 Dallinghoe Cres	Milford	N/A	L1	73	Unknown	1.5	No	No	Yes
3/06/2019	15231126	28536348	78A Knights Rd	Rothsay Bay	N/A	L1	147	Roots	1.5	No	No	Yes
4/06/2019	15231916	16013027	1/27 Ramillies Pl	Glenfield	N/A	L1	245	Roots	0	No	No	Yes
4/06/2019	15232678	28511933	1/28 Wolsley Ave	Milford	-	L2	253	Fat	0	No	No	Yes
5/06/2019	15236280	16018348	47 Richards Ave	Forrest Hill	N/A	L1	279	Roots	16.5	No	No	Yes
6/06/2019	15239968	16251713	111 Clyde Rd	Browns Bay	N/A	L1	599	Unknown	4	No	No	Yes
6/06/2019	15239877	28521263	39 Nile Rd	Milford	N/A	L1	207	Fat	4	No	No	Yes
7/06/2019	15242393	50068096	102A Target Rd	Wairau Valley	N/A	L1	195	Roots	15.5	No	No	Yes
7/06/2019	15243844	16018302	71A Target Rd	Totara Vale	N/A	L1	108	Roots	15.5	No	No	Yes
8/06/2019	15245562	28510498	4 Ramillies Pl	Glenfield	0.5	L2	220	Roots	0.5	No	No	Yes
9/06/2019	15246519	28504446	24 Beach Rd	Castor Bay	N/A	L1	144	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/06/2019	15246273	28517227	3B Marama St	Torbay	N/A	L1	217	Fat	0	No	No	Yes
10/06/2019	15249498	28520659	1/3 Kennedy Ave	Forrest Hill	N/A	L1	300	Roots	0	No	No	Yes
10/06/2019	15248988	51120227	11A Squirrel Lane	Browns Bay	N/A	L1	147	Unknown	0	No	No	Yes
10/06/2019	15249071	28519501	78 Matipo Rd	Mairangi Bay	N/A	L1	149	Rags	0	No	No	Yes
12/06/2019	15254588	16019965	1 Santa Rosa Tce	Forrest Hill	N/A	L1	108	Roots	0.5	No	No	Yes
15/06/2019	15263448	28511900	19 Waterloo Rd	Milford	N/A	L1	340	Fat	3.5	No	No	Yes
15/06/2019	15263463	16037824	2/11 Woodlands Cres	Browns Bay	N/A	L1	258	3rd party damage	3.5	No	No	Yes
18/06/2019	15270060	28537732	2/22 Knights Rd	Rothsay Bay	N/A	L1	208	Fat	0	No	No	Yes
18/06/2019	15269369	28536170	41 Nigel Rd	Browns Bay	N/A	L1	179	Unknown	0	No	No	Yes
21/06/2019	15279534	28531712	128 Arran Rd	Browns Bay	N/A	L1	277	Unknown	5	No	No	Yes
26/06/2019	15292659	16249331	11 Inverness Rd	Browns Bay	N/A	L1	223	Broken pipe	0	No	No	Yes
26/06/2019	15292575	16035131	29 Sunrise Ave	Murrays Bay	N/A	L1	214	Fat	0	No	No	Yes
27/06/2019	15295741	16034921	1 Gulf View Rd	Murrays Bay	N/A	L1	235	Fat	0	No	No	Yes
27/06/2019	15296208	28531712	128 Arran Rd	Browns Bay	N/A	L1	255	Roots	0	No	No	Yes
27/06/2019	15297281	28511226	2/8 Chartwell Ave	Glenfield	N/A	L1	190	Fat	0	No	No	Yes
27/06/2019	15297237	28513463	9 Ashfield Rd	Wairau Valley	N/A	L1	126	Fat	0	No	No	Yes
28/06/2019	15298721	28531734	29 Malters Pl	Browns Bay	N/A	L1	213	Roots	0	No	No	Yes
28/06/2019	15299064	28537425	4/43 Anzac Rd	Browns Bay	N/A	L1	118	Fat	0	No	No	Yes
28/06/2019	15299945	28503460	66 Girrahween Dr	Totara Vale	N/A	L1	256	Unknown	0	No	No	Yes
30/06/2019	15302796	28521786	1/36 Ramsgate Tce	Mairangi Bay	N/A	L1	191	Unknown	0	No	No	Yes
30/06/2019	15302990	16037677	2/399 Beach Rd	Mairangi Bay	N/A	L1	270	Fat	0	No	No	Yes

Table 12: Overflows in the Devonport – Takapuna Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/08/2018	14486300	28535095	32 Oxford Tce	Devonport	N/A	L1	143	Surcharging	0.49	No	No	Yes
3/08/2018	14487434	28526888	29 Blomfield Spa	Takapuna	N/A	L1	97	Roots	2.45	No	No	Yes
10/09/2018	14575020	28535131	1/20 Macky Ave	Devonport	N/A	L1	172	Unknown	0	No	No	Yes
14/09/2018	14589191	28527233	19B Hauraki Rd	Hauraki	N/A	L1	242	Silts	0	No	No	Yes
4/10/2018	14639657	28535095	32 Oxford Tce	Devonport	N/A	L1	155	Roots	0.5	No	No	Yes
13/11/2018	14743835	28527353	9 Rarere Rd	Hauraki	N/A	L1	383	Roots	0	No	No	Yes
14/11/2018	14746997	28526838	128 Hurstmere Rd	Takapuna	N/A	L1	152	Fat	0	No	No	Yes
18/11/2018	14756507	28528376	2 Glen Rd	Stanley Point	N/A	L1	132	Roots	0	No	No	Yes
23/11/2018	14770373	16213784	1/20 Macky Ave	Devonport	N/A	L1	134	Roots	0	No	No	Yes
29/01/2019	14913929	28527261	50 Hauraki Rd	Hauraki	N/A	L1	251	Unknown	9.57	No	No	Yes
9/02/2019	14940109	28525979	44B Clifton Rd	Hauraki	N/A	L1	504	Fat	4.02	No	No	Yes
9/02/2019	14940718	28527261	50 Hauraki Rd	Hauraki	-	L2	136	Unknown	0.49	No	No	Yes
19/02/2019	14964964	28527354	10 Rarere Rd	Hauraki	N/A	L1	158	Foreign Object	2.45	No	No	Yes
28/02/2019	14990096	28526843	8 Anzac St	Takapuna	-	L2	193	Fat	0	No	No	Yes
26/04/2019	15130415	28519483	2 Victoria Rd	Devonport	N/A	L1	17	Fat	0	No	No	Yes
29/04/2019	15135488	28519483	2 Victoria Rd	Devonport	N/A	L1	621	Fat	0.5	No	No	Yes
2/05/2019	15147267	28515713	44B Clifton Rd	Hauraki	N/A	L1	182	Silts	0	No	No	Yes
6/05/2019	15154085	16271278	51 Seacliffe Ave	Belmont	N/A	L1	150	Unknown	0	No	No	Yes
13/05/2019	15178266	28519483	15 Queens Pde	Devonport	N/A	L1	321	Fat	0	No	No	Yes
16/05/2019	15187678	16079424	1/10 Rewiti Ave	Takapuna	N/A	L1	127	Unknown	0	No	No	Yes
22/05/2019	15202102	28535263	212 Lake Rd	Hauraki	N/A	L1	245	Roots	9.57	No	No	Yes
25/05/2019	15211658	28527228	2/31A Hauraki Rd	Hauraki	N/A	L1	1382	Unknown	4.02	No	No	Yes
5/06/2019	15236004	16071037	8B Hauraki Rd	Hauraki	N/A	L1	160	Unknown	0	No	No	Yes
13/06/2019	15259546	16071796	1 Queens Pde	Devonport	N/A	L1	115	Unknown	0	No	No	Yes
14/06/2019	15261499	16031097	105- Hurstmere Rd	Takapuna	N/A	L1	132	Roots	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
26/06/2019	15292979	28527231	31A Hauraki Rd	Hauraki	N/A	L1	182	Fat	9.57	No	No	Yes

Table 13: Overflows in the Shoal Bay Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403139	28509493	10 Richmond Ave	Northcote Point	N/A	L1	299	Fat	9	No	No	Yes
1/07/2018	14403320	28501401	26 Birkenhead Ave	Birkenhead	N/A	L1	284	Rags	9	No	No	Yes
4/07/2018	14410596	28509101	4 Woodside Ave	Northcote		L2	136	Roots	1.5	No	No	Yes
4/07/2018	14411161	28501218	24 Birkenhead Ave	Birkenhead		L2	266	Rubbish	1.5	No	No	Yes
6/07/2018	14417066	16213387	8 Fentham Rd	Hauraki	N/A	L1	136	Roots	0	No	No	Yes
9/07/2018	14420949	16268888	12 Empire Rd	Devonport	N/A	L1	134	Unknown	9.5	No	No	Yes
11/07/2018	14426836	16198463	3 Princes St	Northcote Point	N/A	L1	99	Roots	10.5	No	No	Yes
13/07/2018	14433630	28509555	15 Queen St	Northcote Point	N/A	L1	289	Unknown	2.5	No	No	Yes
15/07/2018	14435450	28509557	10 Beach Rd	Northcote Point	N/A	L1	164	Surcharging	3	No	No	Yes
15/07/2018	14435488	28532021	40 Mappin Pl	Chatswood	N/A	L1	562	Surcharging	3	No	No	Yes
15/07/2018	14435493	16017318	28 Waitemata Rd	Hauraki	N/A	L1	351	Surcharging	3	No	No	Yes
15/07/2018	14435593	28509265	5 Ernie Mays St	Northcote	N/A	L1	22	Surcharging	3	No	No	Yes
15/07/2018	14435692	16031812	49 Walter St	Hauraki	N/A	L1	367	Surcharging	3	No	No	Yes
16/07/2018	14437381	16216093	10 Trelawny Pl	Hillcrest	N/A	L1	288	Roots	32	No	No	Yes
21/07/2018	14451774	28501204	11 Calman Pl	Chatswood	-	L2	105	Fat	0.5	No	No	Yes
22/07/2018	14452633	28503950	Aorangi Pl	Birkenhead	N/A	L1	155	Unknown	0	No	No	Yes
28/07/2018	14470220	28532100	22 Portsea Pl	Chatswood	N/A	L1	402	Roots	1.5	No	No	Yes
28/07/2018	14470236	28512719	93 Exmouth Rd	Northcote	N/A	L1	136	Broken pipe	1.5	No	No	Yes
29/07/2018	14471219	28500782	9 Tennyson St	Northcote Point	N/A	L1	267	Rags	4.5	No	No	Yes
30/07/2018	14474352	28507254	3/405 Lake Rd	Takapuna	N/A	L1	131	3rd party damage	0.5	No	No	Yes
31/07/2018	14475792	28501204	11 Calman Pl	Chatswood	N/A	L1	108	Roots	0.5	No	No	Yes
3/08/2018	14486737	28502178	3/3 Mahuta Grv	Northcote	Bush area, no sample	L2	235	Rubbish	0.5	No	No	Yes
6/08/2018	14491746	28501029	82 Porritt Ave	Chatswood	N/A	L1	55	Unknown	0.5	No	No	Yes
6/08/2018	14492257	16215425	2/54 Pupuke Rd	Hillcrest	N/A	L1	101	Roots	0.5	No	No	Yes
6/08/2018	14493019	28532100	22 Portsea Pl	Chatswood	N/A	L1	139	Roots	0.5	No	No	Yes
7/08/2018	14495640	28535112	38 Northboro Rd	Hauraki	3	L2	182	Fat	1	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/08/2018	14516765	28500782	9 Tennyson St	Northcote Point	N/A	L1	432	Fat	9.5	No	No	Yes
17/08/2018	14521031	28504639	22 Inkster St	Birkenhead	N/A	L1	76	Surcharging	0	No	No	Yes
18/08/2018	14523430	28525721	42 Lake Pupuke Dr	Takapuna	N/A	L1	250	Roots	3	No	No	Yes
18/08/2018	14523490	28508723	3 Harcourt St	Grey Lynn	N/A	L1	195	Roots	3	No	No	Yes
18/08/2018	14523625	28530671	1 Preston Ave	Belmont	N/A	L1	173	Roots	3	No	No	Yes
19/08/2018	14523944	28505168	11 Ewen Alison Ave	Devonport	N/A	L1	260	Roots	1.5	No	No	Yes
20/08/2018	14526044	28501663	18 Inkster St	Birkenhead	N/A	L1	83	Roots	0	No	No	Yes
20/08/2018	14526467	28509308	16-18 Cadness St	Northcote	N/A	L1	102	Rubbish	0	No	No	Yes
22/08/2018	14533527	28509338	7A Lake Rd	Northcote	N/A	L1	126	Roots	6.5	No	No	Yes
25/08/2018	14540122	16271046	6 Patuone Ave	Devonport	N/A	L1	229	Roots	2	No	No	Yes
27/08/2018	14544005	28501259	2/15 Colonial Rd	Chatswood	N/A	L1	189	Unknown	1	No	No	Yes
28/08/2018	14545761	28508237	20 Nutsey Ave	Northcote	N/A	L1	578	Rags	0	No	No	Yes
29/08/2018	14549278	28509557	12 Beach Rd	Northcote Point	N/A	L1	203	3rd party damage	1	No	No	Yes
29/08/2018	14549852	28510262	93A Sylvan Ave	Northcote	N/A	L1	112	Surcharging	1	No	No	Yes
4/09/2018	14562321	28508236	31 Nutsey Ave	Northcote	N/A	L1	76	Unknown	12.5	No	No	Yes
5/09/2018	14566621	50070790	83 Hinemoa St	Birkenhead	N/A	L1	139	Unknown	0.5	No	No	Yes
7/09/2018	14571437	28516812	1/130 Monarch Ave	Hillcrest	N/A	L1	130	Unknown	10	No	No	Yes
7/09/2018	14573118	28516905	2/106 Monarch Ave	Hillcrest	N/A	L1	192	Roots	10	No	No	Yes
10/09/2018	14576842	28516615	67 Mountbatten Ave	Hillcrest	N/A	L1	192	Fat	0	No	No	Yes
12/09/2018	14583067	28509506	10 Tennyson St	Northcote Point	N/A	L1	192	Foreign Object	2	No	No	Yes
16/09/2018	14592518	16199932	1/64 Wairoa Rd	Narrow Neck	N/A	L1	756	Fat	0	No	No	Yes
17/09/2018	14594655	28517002	2/38 Dominion St	Takapuna	N/A	L1	148	Unknown	0	No	No	Yes
17/09/2018	14595746	28508207	5 Hinemoa St	Birkenhead	N/A	L1	209	Unknown	0	No	No	Yes
18/09/2018	14597041	28509167	20 Council Tce	Northcote Point	N/A	L1	517	Roots	1	No	No	Yes
19/09/2018	14600426	50075468	1 Kauri Glen Rd	Northcote	N/A	L1	206	Roots	21.5	No	No	Yes
21/09/2018	14608653	28502347	1/5 Council Tce	Northcote Point	N/A	L1	200	Unknown	0	No	No	Yes
22/09/2018	14609394	28508194	13 Awanui St	Birkenhead	N/A	L1	212	Roots	6.5	No	No	Yes
23/09/2018	14609857	28509317	77 Lake Rd	Northcote	N/A	L1	78	Rags	7.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/09/2018	14613106	28531980	29 Kawerau Ave	Devonport	N/A	L1	106	Roots	0	No	No	Yes
27/09/2018	14622787	28501973	22 Maunganui Rd	Birkenhead	N/A	L1	87	Fat	1.5	No	No	Yes
28/09/2018	14624936	28504526	1 Hinemoa St	Birkenhead	-	L2	159	Rubbish	0	No	No	Yes
29/09/2018	14626597	16200901	1 Creamer Ave	Belmont	N/A	L1	152	Fat	0	No	No	Yes
29/09/2018	14626648	28534683	6 Cowper St	Devonport	N/A	L1	76	Fat	0	No	No	Yes
1/10/2018	14628725	28535180	25 Northumberland Ave	Hauraki	N/A	L1	582	Unknown	0	No	No	Yes
4/10/2018	14637554	28510234	45 Sylvan Ave	Northcote	0.25	L2	305	Roots	0	No	No	Yes
4/10/2018	14637596	28524439	49 Walter St	Hauraki	-	L2	149	Unknown	0	No	No	Yes
4/10/2018	14637911	28524439	10 Charles St	Hauraki	N/A	L1	79	Unknown	0	No	No	Yes
4/10/2018	14639536	28518994	4/70 Raleigh Rd	Northcote	N/A	L1	160	Fat	0	No	No	Yes
6/10/2018	14643237	28530671	1 Preston Ave	Belmont	N/A	L1	108	Fat	0	No	No	Yes
7/10/2018	14644488	28531946	27 Regent St	Devonport	N/A	L1	177	Fat	0	No	No	Yes
7/10/2018	14644689	16271073	6 Cowper St	Devonport	N/A	L1	106	Fat	0	No	No	Yes
11/10/2018	14657558	28510836	9A Moore St	Hillcrest	N/A	L1	134	Unknown	24.5	No	No	Yes
16/10/2018	14670622	16015279	68 Moore St	Hillcrest	3	L3	183	Broken pipe	0	Yes	Yes	Yes
25/10/2018	14693729	28534924	32 Lake Rd	Devonport	N/A	L1	116	Unknown	0	No	No	Yes
26/10/2018	14696175	28531931	17B Fraser Rd	Narrow Neck	N/A	L1	192	Roots	10.5	No	No	Yes
27/10/2018	14699632	28527107	52A Francis St	Hauraki	N/A	L1	199	Unknown	11	No	No	Yes
30/10/2018	14705631	10317531	17B Fraser Rd	Narrow Neck	N/A	L1	169	Roots	9.5	No	No	Yes
30/10/2018	14706582	28502454	1 Stone St	Hauraki	N/A	L1	365	3rd party damage	9.5	No	No	Yes
31/10/2018	14711904	28535235	2/8 Northumberland Ave	Belmont	N/A	L1	116	Unknown	0	No	No	Yes
8/11/2018	14732332	28507089	17-27 Fraser Ave	Northcote	N/A	L1	78	Unknown	0	No	No	Yes
9/11/2018	14737118	28508090	56 Maritime Tce	Birkenhead	N/A	L1	105	Roots	2.5	No	No	Yes
10/11/2018	14737828	28504919	29 St Peters St	Northcote	N/A	L1	158	Roots	2	No	No	Yes
13/11/2018	14743690	28501973	22 Maunganui Rd	Birkenhead	N/A	L1	296	Roots	0	No	No	Yes
15/11/2018	14751407	50075468	1 Kauri Glen Rd	Northcote	N/A	L1	76	Unknown	0	No	No	Yes
20/11/2018	14763432	28531837	25 Hastings Pde	Devonport	N/A	L1	132	Unknown	1.5	No	No	Yes
24/11/2018	14772474	16207703	1/16 Glade Pl	Birkenhead	N/A	L1	110	Rags	29.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
26/11/2018	14774818	28518913	3 Kaka St	Northcote	N/A	L1	170	Unknown	1.5	No	No	Yes
27/11/2018	14778740	50068349	171 Hinemoa St	Birkenhead	N/A	L1	696	Broken pipe	4.5	No	No	Yes
27/11/2018	14779039	28500209	1/39 St Peters St	Northcote	N/A	L1	464	Broken pipe	4.5	No	No	Yes
27/11/2018	14779997	28509262	65 Pearn Cres	Northcote	3	L2	119	Unknown	4.5	No	No	Yes
28/11/2018	14784184	28506650	22 Rosecamp Rd	Beach Haven	N/A	L1	125	Fat	0	No	No	Yes
29/11/2018	14785389	28516848	12 Fraser Ave	Northcote	N/A	L1	194	Fat	0	No	No	Yes
29/11/2018	14785517	28516828	Fraser Ave	Northcote	N/A	L1	155	Fat	0	No	No	Yes
3/12/2018	14793548	28501488	55A Rawene Rd	Birkenhead	N/A	L1	133	Unknown	22.5	No	No	Yes
6/12/2018	14801927	28500193	1/232 Onewa Rd	Birkenhead	N/A	L1	83	Unknown	3.5	No	No	Yes
8/12/2018	14807744	28532005	1/13 Fraser Rd	Narrow Neck	N/A	L1	209	Fat	0	No	No	Yes
10/12/2018	14809666	28530661	10 Opuia St	Belmont	N/A	L1	116	Unknown	0	No	No	Yes
11/12/2018	14812728	28501488	55A Rawene Rd	Birkenhead	N/A	L1	105	Rags	0	No	No	Yes
13/12/2018	14820881	10317531	1/95 Sylvan Ave	Northcote	N/A	L1	231	Unknown	0	No	No	Yes
14/12/2018	14821989	16081805	100 Colonial Rd	Chatswood	-	L2	1289	Broken pipe	2	No	No	Yes
15/12/2018	14824620	28505310	48 Deuxberry Ave	Northcote	N/A	L1	128	Unknown	0.5	No	No	Yes
16/12/2018	14825276	28518261	39 Northboro Rd	Hauraki	N/A	L1	451	Roots	0	No	No	Yes
18/12/2018	14830618	28527823	1/14 Hart Rd	Hauraki	N/A	L1	97	Unknown	0	No	No	Yes
19/12/2018	14834216	16199977	6 Hanlon Cres	Narrow Neck	N/A	L1	54	Silts	0	No	No	Yes
20/12/2018	14835485	28509493	10 Richmond Ave	Northcote Point	N/A	L1	221	Fat	16	No	No	Yes
21/12/2018	14840352	28501183	54 Stanley Point Rd	Stanley Point	N/A	L1	112	Broken pipe	4	No	No	Yes
22/12/2018	14841105	28526047	37 Fred Thomas Dr	Takapuna	N/A	L1	162	Unknown	1.5	No	No	Yes
23/12/2018	14842137	16015193	10 Trelawny Pl	Hillcrest	N/A	L1	268	Roots	12	No	No	Yes
23/12/2018	14842180	28529012	26 Marsden St	Hauraki	N/A	L1	167	Rags	12	No	No	Yes
24/12/2018	14844007	28528313	2/96 Norwood Rd	Bayswater	N/A	L1	178	Surcharging	67	No	No	Yes
25/12/2018	14844791	16053788	31 Le Roy Tce	Birkenhead	N/A	L1	356	Surcharging	14	No	No	Yes
28/12/2018	14848800	28507838	2/30 Bayswater Ave	Bayswater	N/A	L1	105	Unknown	0	No	No	Yes
29/12/2018	14849887	50202376	2/21 Seaview Ave	Northcote	N/A	L1	153	Rubbish	0	No	No	Yes
1/01/2019	14852868	50023361	2/29 Norman Rd	Hauraki	N/A	L1	134	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/01/2019	14852903	16079662	85 Hinemoa St	Birkenhead	N/A	L1	233	Broken Pipe	0	No	No	Yes
3/01/2019	14855963	28502173	6 Paruru Ave	Northcote	N/A	L1	132	Unknown	0	No	No	Yes
7/01/2019	14860619	50202502	8 Crichton Tce	Hauraki	N/A	L1	289	Rubbish	0	No	No	Yes
10/01/2019	14870311	16053283	2/39 St Peters St	Northcote	N/A	L1	211	Unknown	0	No	No	Yes
11/01/2019	14874184	28536284	52 Williamson Ave	Belmont	N/A	L1	124	Unknown	0	No	No	Yes
15/01/2019	14880860	28529016	35 Marsden St	Hauraki	N/A	L1	84	Unknown	0.5	No	No	Yes
15/01/2019	14881134	28530538	19A Winscombe St	Belmont	N/A	L1	61	Unknown	0.5	No	No	Yes
24/01/2019	14905124	28527106	2/31 Francis St	Hauraki	N/A	L1	119	Fat	3.5	No	No	Yes
31/01/2019	14918051	28507835	32 Bayswater Ave	Bayswater	N/A	L1	167	Unknown	0	No	No	Yes
1/02/2019	14922533	28536283	27 Lake Rd	Devonport	N/A	L1	119	Unknown	0	No	No	Yes
1/02/2019	14922897	28531942	23 Regent St	Devonport	N/A	L1	99	Unknown	0	No	No	Yes
10/02/2019	14941414	28511230	19 Monarch Ave	Hillcrest	N/A	L1	1048	Unknown	0	No	No	Yes
12/02/2019	14946663	28518288	18 Onepoto Rd	Hauraki	N/A	L1	80	Roots	0	No	No	Yes
21/02/2019	14969027	28518216	28 Waitemata Rd	Hauraki	N/A	L1	247	Rubbish	0	No	No	Yes
1/03/2019	14992907	28507835	32 Bayswater Ave	Bayswater	N/A	L1	106	Unknown	0	No	No	Yes
4/03/2019	14997570	16052289	22 Chelsea View Dr	Chatswood	N/A	L1	264	Roots	0	No	No	Yes
4/03/2019	14998223	16017285	99 Francis St	Hauraki	3	L3	342	Unknown	0	Yes	Yes	Yes
5/03/2019	14999563	28500209	2/39 St Peters St	Northcote	N/A	L1	102	Unknown	0	No	No	Yes
6/03/2019	15001753	28518173	34 Beresford St	Bayswater	N/A	L1	106	Fat	0	No	No	Yes
8/03/2019	15010554	28510241	67 Sylvan Ave	Northcote	N/A	L1	291	Fat	22	No	No	Yes
10/03/2019	15013639	28509545	35 Princes St	Northcote Point	N/A	L1	270	Roots	0	No	No	Yes
10/03/2019	15013816	28510702	95 Sylvia Rd	Hillcrest	N/A	L1	104	Rags	0	No	No	Yes
10/03/2019	15014005	28532010	45 Barlow Pl	Chatswood	N/A	L1	191	Rags	0	No	No	Yes
11/03/2019	15016912	28510702	95 Sylvia Rd	Hillcrest	N/A	L1	52	Unknown	0	No	No	Yes
13/03/2019	15022576	50051725	26 Hororata Rd	Hauraki	N/A	L1	214	Unknown	0	No	No	Yes
15/03/2019	15029028	16053158	35 Akoranga Dr	Northcote	N/A	L1	174	Unknown	0	No	No	Yes
16/03/2019	15030511	16016657	18 Regent St	Devonport	N/A	L1	157	Unknown	0	No	No	Yes
17/03/2019	15031602	10317531	1/20 Corrella Rd	Belmont	N/A	L1	102	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
18/03/2019	15032879	16215321	9 Havenwood Pl	Birkenhead	N/A	L1	148	Unknown	0.5	No	No	Yes
18/03/2019	15034646	28535228	29 Northboro Rd	Hauraki	N/A	L1	290	Fat	0.5	No	No	Yes
20/03/2019	15039497	16271022	19 Cowper St	Devonport	N/A	L1	158	Unknown	0	No	No	Yes
23/03/2019	15047518	28507835	32 Bayswater Ave	Bayswater	N/A	L1	274	Unknown	0.5	No	No	Yes
25/03/2019	15050128	28509688	17 Arahia St	Northcote	N/A	L1	252	Roots	0	No	No	Yes
25/03/2019	15052634	28508194	13 Awanui St	Birkenhead	N/A	L1	157	Fat	0	No	No	Yes
29/03/2019	15063277	16055665	145 Chelsea View Dr	Chatswood	N/A	L1	170	Unknown	1.5	No	No	Yes
30/03/2019	15065562	28502025	12 Tizard Rd	Birkenhead	N/A	L1	190	Rubbish	1	No	No	Yes
31/03/2019	15066518	28530285	145 Chelsea View Dr	Chatswood	N/A	L1	298	Fat	2.5	No	No	Yes
3/04/2019	15075595	50184486	65 Lake Rd	Devonport	N/A	L1	145	Fat	7.5	No	No	Yes
5/04/2019	15081772	28502178	3/3 Mahuta Grv	Northcote	N/A	L1	156	Roots	1	No	No	Yes
7/04/2019	15085402	28500093	1/30 Alamein Ave	Belmont	N/A	L1	143	Unknown	0.5	No	No	Yes
8/04/2019	15087239	16230994	1/32 Napier Ave	Takapuna	N/A	L1	920	Foreign Object	0.5	No	No	Yes
11/04/2019	15097923	28507835	36 Beresford St	Bayswater	N/A	L1	278	Broken pipe	3.5	No	No	Yes
14/04/2019	15104904	16014884	23 Gretel Pl	Hillcrest	0.25	L2	300	3rd party damage	0	No	No	Yes
18/04/2019	15115515	16017091	20 Onepoto Rd	Hauraki	N/A	L1	833	Roots	0	No	No	Yes
18/04/2019	15116291	28527106	3/33 Francis St	Hauraki	N/A	L1	235	Fat	0	No	No	Yes
20/04/2019	15120344	28503998	19 Cowper St	Devonport	N/A	L1	114	Unknown	0	No	No	Yes
20/04/2019	15120520	28519001	23 Philomel Cres	Bayswater	N/A	L1	92	Unknown	0	No	No	Yes
23/04/2019	15123068	50184485	65 Lake Rd	Devonport	N/A	L1	176	Unknown	1	No	No	Yes
26/04/2019	15131219	28501883	2/101 Eversleigh Rd	Belmont	N/A	L1	124	Foreign Object	0	No	No	Yes
28/04/2019	15133746	28503298	85 Alton Ave	Hillcrest	N/A	L1	300	3rd Party Damage	10	No	No	Yes
29/04/2019	15134824	28510934	83 Alton Ave	Hillcrest	N/A	L1	136	3rd party damage	5.5	No	No	Yes
30/04/2019	15138461	28512424	48 Raymond Tce	Northcote		L2	292	Foreign Object	0.5	No	No	Yes
30/04/2019	15139908	28501661	13 Felstead St	Birkenhead	N/A	L1	207	Silts	0.5	No	No	Yes
5/05/2019	15153027	16213694	6 Cowper St	Devonport	N/A	L1	145	Fat	0.5	No	No	Yes
7/05/2019	15161962	28509487	1 Bartley St	Northcote Point	N/A	L1	198	Fat	3	No	No	Yes
8/05/2019	15162985	28509288	4 Deuxberry Ave	Northcote	N/A	L1	130	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/05/2019	15166106	16013988	74 Alton Ave	Hillcrest	N/A	L1	106	Unknown	0	No	No	Yes
9/05/2019	15167175	16016785	15 Handley Ave	Narrow Neck	N/A	L1	241	3rd party damage	0	No	No	Yes
10/05/2019	15169998	16053276	65 Pearn Cres	Northcote	N/A	L1	248	Fat	3.5	No	No	Yes
13/05/2019	15177186	28502597	13 City View Tce	Birkenhead	N/A	L1	261	Fat	2	No	No	Yes
15/05/2019	15184390	16269044	143 Vauxhall Rd	Narrow Neck	N/A	L1	134	Roots	4	No	No	Yes
16/05/2019	15187180	28509323	50 Lake Rd	Northcote	N/A	L1	270	Fat	3.5	No	No	Yes
16/05/2019	15187473	16014152	13 Felstead St	Birkenhead	N/A	L1	72	Silts	3.5	No	No	Yes
17/05/2019	15190698	28534921	2/17 Ariho Tce	Devonport	N/A	L1	300	Unknown	3.5	No	No	Yes
19/05/2019	15194103	16053689	3A Wernham Pl	Northcote	N/A	L1	209	Fat	4.5	No	No	Yes
20/05/2019	15197649	16053101	31A Lake Rd	Northcote	N/A	L1	73	Roots	0	No	No	Yes
20/05/2019	15197664	28501661	13 Felstead St	Birkenhead	N/A	L1	88	Unknown	0	No	No	Yes
21/05/2019	15200566	28534919	34 Empire Rd	Devonport	N/A	L1	298	Roots	0	No	No	Yes
24/05/2019	15209144	16258326	22 Maunganui Rd	Birkenhead	N/A	L1	134	Roots	0	No	No	Yes
26/05/2019	15212457	28527093	75A Francis St	Hauraki	N/A	L1	389	Roots	0	No	No	Yes
2/06/2019	15230496	16031886	75A Francis St	Hauraki	N/A	L1	232	Roots	3.5	No	No	Yes
6/06/2019	15239092	28509343	46 Lake Rd	Northcote	0.25	L2	275	Rags	4	No	No	Yes
6/06/2019	15240009	28502618	9 Havenwood Pl	Birkenhead	N/A	L1	217	Unknown	4	No	No	Yes
6/06/2019	15240841	16016835	24 Empire Rd	Devonport	N/A	L1	246	Broken pipe	4	No	No	Yes
7/06/2019	15242281	16271083	23 Glen Rd	Stanley Point	N/A	L1	195	Unknown	15.5	No	No	Yes
7/06/2019	15243577	28518226	6 First Ave	Stanley Point	N/A	L1	300	Unknown	15.5	No	No	Yes
8/06/2019	15246084	16016835	34 Empire Rd	Devonport	N/A	L1	170	Roots	0.5	No	No	Yes
10/06/2019	15249697	28514468	28 Spencer Tce	Hauraki	N/A	L1	182	Roots	0	No	No	Yes
12/06/2019	15254884	16271022	19 Cowper St	Devonport	N/A	L1	185	Fat	0.5	No	No	Yes
15/06/2019	15263721	28505168	18 Ewen Alison Ave	Devonport	N/A	L1	188	Unknown	3.5	No	No	Yes
17/06/2019	15265467	16053591	1/232 Onewa Rd	Birkenhead	N/A	L1	202	Roots	3.5	No	No	Yes
17/06/2019	15266484	16053229	9 Raupapa St	Northcote	N/A	L1	260	Roots	3.5	No	No	Yes
17/06/2019	15267082	16031834	41 Walter St	Hauraki	N/A	L1	203	Roots	3.5	No	No	Yes
18/06/2019	15269478	16032509	52 Taharoto Rd	Takapuna	N/A	L1	156	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
18/06/2019	15271006	28501837	1/232 Onewa Rd	Birkenhead	N/A	L1	170	Unknown	0	No	No	Yes
20/06/2019	15276180	16058262	35 Northcroft St	Takapuna	N/A	L1	316	Foreign Object	8	No	No	Yes
20/06/2019	15276917	16016662	65 Lake Rd	Devonport	N/A	L1	38	Roots	8	No	No	Yes
20/06/2019	15277332	28509361	35 Pearn Cres	Northcote	N/A	L1	152	Rags	8	No	No	Yes
21/06/2019	15280610	28515621	1/18 Northcroft St	Takapuna	N/A	L1	175	Foreign Object	5	No	No	Yes
22/06/2019	15282387	28509487	24 Richmond Ave	Northcote Point	N/A	L1	81	Fat	0	No	No	Yes
22/06/2019	15282887	28512629	21 Trelawny Pl	Hillcrest	N/A	L1	118	Roots	0	No	No	Yes
24/06/2019	15284906	28501920	32 Deuxberry Ave	Northcote	N/A	L1	88	Unknown	5	No	No	Yes
27/06/2019	15296363	28530309	105 Chelsea View Dr	Chatswood	N/A	L1	295	Roots	0	No	No	Yes
30/06/2019	15302755	28528328	57 Plymouth Cres	Bayswater	N/A	L1	165	Roots	0	No	No	Yes

Table 14: Overflows in the Upper Harbour North Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14405493	28517065	7 Pounamu Ave	Greenhithe	N/A	L1	100	Fat	0.5	No	No	Yes
8/07/2018	14419550	28517154	20 Remu Pl	Greenhithe	N/A	L1	270	Foreign Object	0.5	No	No	Yes
9/07/2018	14421688	28518498	33 Omega St	Rosedale	-	L2	382	Rags	9.5	No	No	Yes
10/07/2018	14425573	28514848	1/920 East Coast Rd	Northcross	N/A	L1	313	Unknown	10	No	No	Yes
11/07/2018	14428210	28525115	31 The Avenue	Albany	N/A	L1	139	Rags	10.5	No	No	Yes
15/07/2018	14435753	16075847	27 Miromiro St	Greenhithe	N/A	L1	633	Surcharging	3	No	No	Yes
16/07/2018	14437921	28525084	37 William Gamble Dr	Greenhithe	■	L2	335	Rubbish	32	No	No	Yes
18/07/2018	14443148	16040360	320 Rosedale Rd	Rosedale	N/A	L1	68	Surcharging	0.5	No	No	Yes
20/07/2018	14450738	28515408	12 Ronald Macken Pl	Windsor Park	-	L2	300	Roots	5	No	No	Yes
23/07/2018	14455021	16038386	40 Caribbean Dr	Unsworth Heights	N/A	L1	194	Rags	12.5	No	No	Yes
23/07/2018	14455550	16038395	2/22 Caribbean Dr	Unsworth Heights	N/A	L1	67	Unknown	12.5	No	No	Yes
23/07/2018	14455565	28524245	1/32 Caribbean Dr	Unsworth Heights	N/A	L1	64	Unknown	12.5	No	No	Yes
31/07/2018	14477850	28514986	23 Hauraki Cres	Pinehill	N/A	L1	204	Unknown	0.5	No	No	Yes
4/08/2018	14489290	16243215	920 East Coast Rd	Northcross	N/A	L1	84	Unknown	1	No	No	Yes
4/08/2018	14489440	28515004	10 Greville Rd	Pinehill	N/A	L1	190	Unknown	1	No	No	Yes
6/08/2018	14491333	28525084	37 William Gamble Dr	Greenhithe	N/A	L1	227	Rags	0.5	No	No	Yes
6/08/2018	14492067	28525084	28 Spinella Dr	Bayview	N/A	L1	110	Fat	0.5	No	No	Yes
7/08/2018	14495146	28504944	25 Almond Grv	Greenhithe	-	L3	327	Foreign Object	1	Yes	Yes	Yes
11/08/2018	14506365	28504891	43 Oteha Valley Rd	Northcross	2	L2	433	Unknown	0	No	No	Yes
12/08/2018	14507272	28536663	16 Oakford Park Cres	Greenhithe	■	L3	391	Roots	0	Yes	Yes	Yes
13/08/2018	14509210	28521496	169 Bush Rd	Rosedale	N/A	L1	168	Rags	0	No	No	Yes
17/08/2018	14521251	16265353	15 Kinleith Way	Albany	N/A	L1	164	Unknown	0	No	No	Yes
23/08/2018	14535051	28518566	169 Bush Rd	Rosedale	N/A	L1	99	Rags	6	No	No	Yes
27/08/2018	14541775	16040102	169 Bush Rd	Rosedale	N/A	L1	98	Broken pipe	1	No	No	Yes
28/08/2018	14545404	28524321	1/2 Sevilla Pl	Unsworth Heights	N/A	L1	177	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/08/2018	14550055	28523507	13 Greenhithe Rd	Greenhithe	N/A	L1	268	Roots	1	No	No	Yes
31/08/2018	14555138	16039780	360 Albany Hwy	Albany	█	L2	91	Rubbish	0	No	No	Yes
3/09/2018	14559389	50305072	Ketu Crt	Albany Heights	N/A	L1	188	3rd party damage	3	No	No	Yes
4/09/2018	14562442	28514654	2/48 Barbados Dr	Unsworth Heights	N/A	L1	82	Fat	12.5	No	No	Yes
6/09/2018	14570000	16040353	12 Parkhead Pl	Rosedale	N/A	L1	202	Roots	0	No	No	Yes
7/09/2018	14571475	16040309	5 Unity Dr	Rosedale	N/A	L1	563	Roots	10	No	No	Yes
7/09/2018	14572062	16265661	2/10 Centorian Dr	Windsor Park	N/A	L1	229	Unknown	10	No	No	Yes
7/09/2018	14572948	28515576	42 Bluebird Cres	Unsworth Heights	N/A	L1	270	Roots	10	No	No	Yes
12/09/2018	14583506	28523091	Piermark Dr	Rosedale	N/A	L1	234	Roots	2	No	No	Yes
17/09/2018	14594737	28512372	92 Rosedale Rd	Rosedale	N/A	L1	54	Rags	0	No	No	Yes
20/09/2018	14603372	28514568	23 Calypso Way	Unsworth Heights	N/A	L1	510	Roots	4	No	No	Yes
20/09/2018	14603474	28524184	10 Arrenway Dr	Rosedale	N/A	L1	103	Fat	4	No	No	Yes
21/09/2018	14608178	50068806	20 Mulroy Pl	Pinehill	N/A	L1	93	Broken pipe	0	No	No	Yes
22/09/2018	14609478	28523538	7A Churchouse Rd	Greenhithe	N/A	L1	82	Roots	6.5	No	No	Yes
26/09/2018	14618020	28524113	1/6 Arirang Rise	Pinehill	N/A	L1	189	Roots	2	No	No	Yes
27/09/2018	14620955	28523100	4 Rothwell Ave	Rosedale	█	L2	233	Fat	1.5	No	No	Yes
29/09/2018	14626590	28514777	42 Unsworth Dr	Unsworth Heights	N/A	L1	171	Fat	0	No	No	Yes
30/09/2018	14627233	28518535	35 Unsworth Dr	Unsworth Heights	N/A	L1	256	Fat	0	No	No	Yes
1/10/2018	14630042	28523410	37A Roland Rd	Greenhithe	N/A	L1	120	Roots	0	No	No	Yes
4/10/2018	14638303	28506809	Parkway Dr	Rosedale	N/A	L1	90	Roots	0	No	No	Yes
4/10/2018	14639698	28514818	54 Unsworth Dr	Unsworth Heights	N/A	L1	391	Roots	0	No	No	Yes
7/10/2018	14644638	28518546	27 Unsworth Dr	Unsworth Heights	N/A	L1	139	Fat	0	No	No	Yes
8/10/2018	14648020	28504227	18 Lismore Way	Oteha	6	L3	1339	Rags	0	Yes	Yes	Yes
9/10/2018	14649981	28523100	8 Rothwell Ave	Rosedale	N/A	L1	276	Unknown	0	No	No	Yes
9/10/2018	14652516	28515578	2 Canary Pl	Unsworth Heights	N/A	L1	309	Fat	0	No	No	Yes
10/10/2018	14653719	28518546	27 Unsworth Dr	Unsworth Heights	█	L2	90	Roots	0	No	No	Yes
13/10/2018	14662993	28524062	1/1 Bundoran Way	Pinehill	0.25	L2	153	Fat	4.5	No	No	Yes
19/10/2018	14681641	50142594	49 Huntington Park Dr	Greenhithe	N/A	L1	122	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
22/10/2018	14684307	28505164	7 Northbrook Cl	Greenhithe	N/A	L1	149	Fat	0	No	No	Yes
26/10/2018	14698295	28515309	8 Apollo Dr	Rosedale	N/A	L1	158	Roots	10.5	No	No	Yes
31/10/2018	14711912	28517577	320 Rosedale Rd	Rosedale	0.5	L2	116	Unknown	0	No	No	Yes
6/11/2018	14726317	28504585	26 Schnapper Rock Rd	Schnapper Rock	N/A	L1	136	Unknown	0	No	No	Yes
9/11/2018	14735385	50215654	7 Caldwell Pl	Pinehill	0.5	L2	171	Unknown	2.5	No	No	Yes
9/11/2018	14737189	28522266	7 Gleanor Ave	Oteha	N/A	L1	158	Rags	2.5	No	No	Yes
10/11/2018	14737746	28522269	17 Gleanor Ave	Oteha	N/A	L1	185	Rags	2	No	No	Yes
10/11/2018	14738280	28515577	2 Canary Pl	Unsworth Heights	N/A	L1	107	Broken Pipe	2	No	No	Yes
15/11/2018	14751742	16265444	2 Canary Pl	Unsworth Heights	N/A	L1	113	Broken Pipe	0	No	No	Yes
16/11/2018	14754483	28515406	12 Ronald Macken Pl	Windsor Park	N/A	L1	90	Unknown	0	No	No	Yes
22/11/2018	14768527	28525114	31 The Avenue	Albany	N/A	L1	730	Broken pipe	7	No	No	Yes
27/11/2018	14778240	28524263	47 Caribbean Dr	Unsworth Heights	N/A	L1	93	Rubbish	4.5	No	No	Yes
27/11/2018	14778818	28535706	10 Red Oak Pl	Schnapper Rock	N/A	L1	167	Unknown	4.5	No	No	Yes
28/11/2018	14784323	28515577	2 Canary Pl	Unsworth Heights	N/A	L1	75	Roots	0	No	No	Yes
30/11/2018	14789486	28501884	9 The Avenue	Albany	N/A	L1	111	Fat	1.5	No	No	Yes
7/12/2018	14806753	28535705	11 Scarlet Oak Dr	Schnapper Rock	N/A	L1	108	Roots	0.5	No	No	Yes
9/12/2018	14808128	10317531	141 Fernhill Way	Oteha	N/A	L1	103	Unknown	0	No	No	Yes
9/12/2018	14808521	50101293	57 Blacks Rd	Greenhithe	N/A	L1	97	Unknown	0	No	No	Yes
11/12/2018	14814830	28525116	31 The Avenue	Albany	N/A	L1	152	Rags	0	No	No	Yes
15/12/2018	14824111	16070508	8/31 The Avenue	Albany	N/A	L1	96	Power Failure	0.5	No	No	Yes
17/12/2018	14828516	28525116	31 The Avenue	Albany	N/A	L1	180	Power Failure	0	No	No	Yes
18/12/2018	14830892	28504196	8/2 Tawa Dr	Albany	N/A	L1	116	Fat	0	No	No	Yes
21/12/2018	14840059	28504940	1 Sunnyview Rd	Greenhithe	3	L2	114	Fat	4	No	No	Yes
22/12/2018	14840905	28525116	8/31 The Avenue	Albany	N/A	L1	151	Power Failure	1.5	No	No	Yes
23/12/2018	14842016	28523543	32 Waipuia Pl	Greenhithe	N/A	L1	119	Roots	12	No	No	Yes
26/12/2018	14845495	28529468	35 Clemow'S Lane	Albany	N/A	L1	114	Roots	1	No	No	Yes
27/12/2018	14846666	28517233	1/100 Bush Rd	Rosedale	N/A	L1	289	Unknown	0	No	No	Yes
31/12/2018	14851130	16070509	8/31 The Avenue	Albany	N/A	L1	263	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/01/2019	14856750	28525116	2/31 The Avenue	Albany	N/A	L1	91	Foreign Object	0	No	No	Yes
7/01/2019	14861965	28517491	48 Bushlands Park Dr	Albany	N/A	L1	308	Unknown	0	No	No	Yes
9/01/2019	14866861	28517508	24-30 Tawa Dr	Albany	N/A	L1	199	Unknown	0	No	No	Yes
10/01/2019	14869438	16242541	5 Manu Pl	Pinehill	N/A	L1	259	Roots	0	No	No	Yes
10/01/2019	14870829	28523543	32 Waipuia Pl	Greenhithe	N/A	L1	74	Roots	0	No	No	Yes
10/01/2019	14871184	16070508	8/31 The Avenue	Albany	N/A	L1	58	Unknown	0	No	No	Yes
11/01/2019	14874026	28523818	48 Goldfinch Rise	Unsworth Heights	N/A	L1	90	Rags	0	No	No	Yes
21/01/2019	14895956	16070508	31 The Avenue	Albany	N/A	L1	131	Broken pipe	0	No	No	Yes
22/01/2019	14897594	50215654	8 Caldwell Pl	Pinehill	0.25	L2	1252	Rubbish	0	No	No	Yes
23/01/2019	14901957	28523555	32 Waipuia Pl	Greenhithe	N/A	L1	120	Unknown	0	No	No	Yes
23/01/2019	14902174	16070508	31 The Avenue	Albany	N/A	L1	242	Rags	0	No	No	Yes
25/01/2019	14905771	16070509	8/31 The Avenue	Albany	N/A	L1	147	Rubbish	0	No	No	Yes
25/01/2019	14907724	28525116	8/31 The Avenue	Albany	N/A	L1	107	Unknown	0	No	No	Yes
26/01/2019	14909094	16070508	31 The Avenue	Albany	N/A	L1	493	Power Failure	0	No	No	Yes
4/02/2019	14926051	16070508	31 The Avenue	Albany	N/A	L1	141	Power Failure	0	No	No	Yes
20/02/2019	14966551	28505609	1A Sunnyview Rd	Greenhithe	6	L3	266	Roots	2.5	Yes	Yes	Yes
21/02/2019	14971102	28518507	12 Rook Pl	Unsworth Heights	N/A	L1	265	Roots	0	No	No	Yes
24/02/2019	14976656	28525115	7/31 The Avenue	Albany	N/A	L1	165	Rags	3.5	No	No	Yes
24/02/2019	14976927	16070508	8/31 The Avenue	Albany	N/A	L1	164	Broken pipe	3.5	No	No	Yes
4/03/2019	14998291	16070508	7/31 The Avenue	Albany	N/A	L1	125	Rags	0	No	No	Yes
8/03/2019	15009656	28523807	46 Goldfinch Rise	Unsworth Heights	N/A	L1	136	Roots	22	No	No	Yes
9/03/2019	15012713	28525116	31 The Avenue	Albany	N/A	L1	114	Rags	2.5	No	No	Yes
9/03/2019	15013257	16070508	8/31 The Avenue	Albany	N/A	L1	244	Power Failure	2.5	No	No	Yes
13/03/2019	15021322	16058653	110G Metcalfe Rd	Ranui	N/A	L1	240	Rags	0	No	No	Yes
14/03/2019	15024244	28524255	1/24 Exeter Pl	Unsworth Heights	N/A	L1	164	Roots	0	No	No	Yes
15/03/2019	15027266	16070509	7/31 The Avenue	Albany	N/A	L1	207	Broken pipe	0	No	No	Yes
26/03/2019	15053639	28504227	18 Lismore Way	Oteha	6	L3	216	Fat	0	Yes	Yes	Yes
26/03/2019	15054537	50174088	40 Travis View Dr	Fairview Heights	N/A	L1	279	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/03/2019	15060312	50206850	90 Admirals Court Dr	Greenhithe	N/A	L1	115	Unknown	5.5	No	No	Yes
29/03/2019	15064372	28512131	78 Schnapper Rock Rd	Schnapper Rock	N/A	L1	150	Foreign Object	1.5	No	No	Yes
2/04/2019	15071971	16081052	10 Vinifera Pl	Fairview Heights	N/A	L1	279	Broken pipe	0.5	No	No	Yes
8/04/2019	15088760	28523350	5 Oakford Park Cres	Greenhithe	3	L3	581	Unknown	0.5	Yes	Yes	Yes
9/04/2019	15091181	28523324	35 Outlook Rd	Greenhithe	6	L3	254	Unknown	0	Yes	Yes	Yes
13/04/2019	15104565	28504256	18 Vinewood Dr	Albany	N/A	L1	108	Fat	0	No	No	Yes
14/04/2019	15104809	28512700	24 Oteha Valley Rd Extension	Albany	N/A	L1	277	Fat	0	No	No	Yes
15/04/2019	15108229	28515405	14 Ronald Macken Pl	Windsor Park	N/A	L1	140	Fat	0	No	No	Yes
19/04/2019	15119801	16039328	5 Coliseum Dr	Albany	N/A	L1	120	Roots	0	No	No	Yes
21/04/2019	15120904	28529136	Stadium Dr	Albany	0.25	L2	158	Fat	0.5	No	No	Yes
23/04/2019	15123297	28523055	19 Tenbless Crt	Unsworth Heights	N/A	L1	220	Fat	1	No	No	Yes
24/04/2019	15126361	16038914	85 Oteha Valley Rd	Fairview Heights	6	L3	327	Fat	0.5	Yes	Yes	Yes
30/04/2019	15138952	28523818	48 Goldfinch Rise	Unsworth Heights	N/A	L1	225	Roots	0.5	No	No	Yes
6/05/2019	15155937	50206372	82 Fairview Ave	Fairview Heights	N/A	L1	146	3rd party damage	0	No	No	Yes
8/05/2019	15163546	50211632	11 Oratau Pl	Greenhithe	N/A	L1	218	Fat	0	No	No	Yes
9/05/2019	15166246	28523650	16 Rahui Rd	Greenhithe	N/A	L1	203	Unknown	0	No	No	Yes
13/05/2019	15175931	28523088	5 Unity Dr	Rosedale	N/A	L1	158	Fat	2	No	No	Yes
14/05/2019	15180537	28523650	16 Rahui Rd	Greenhithe	N/A	L1	124	Fat	0	No	No	Yes
14/05/2019	15181434	28518498	33 Omega St	Rosedale	-	L2	74	Broken pipe	0	No	No	Yes
15/05/2019	15184167	28523111	224 Albany Hwy	Albany	N/A	L1	96	Fat	4	No	No	Yes
17/05/2019	15191129	16070624	7 Louvain Pl	Greenhithe	N/A	L1	126	Roots	3.5	No	No	Yes
17/05/2019	15192204	16039470	7 Northern Rata Pl	Albany	N/A	L1	215	Unknown	3.5	No	No	Yes
17/05/2019	15192386	16262370	6 Piermark Dr	Rosedale	N/A	L1	209	Unknown	3.5	No	No	Yes
20/05/2019	15197637	28527962	60 Black Teal Cl	Unsworth Heights	N/A	L1	47	Roots	0	No	No	Yes
20/05/2019	15197640	28523259	21 William Pickering Dr	Rosedale	N/A	L1	397	Roots	0	No	No	Yes
24/05/2019	15209942	16071400	64 Rising Pde	Fairview Heights	N/A	L1	174	Roots	0	No	No	Yes
30/05/2019	15224922	28523349	16 Pounamu Ave	Greenhithe	3	L2	294	Fat	0	No	No	Yes
3/06/2019	15231122	28535705	11 Scarlet Oak Dr	Schnapper Rock	N/A	L1	95	Roots	1.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
6/06/2019	15239679	28524240	40 Caribbean Dr	Unsworth Heights	N/A	L1	264	Fat	4	No	No	Yes
16/06/2019	15264687	28524084	18 Arirang Rise	Pinehill	-	L3	242	Roots	2.5	Yes	Yes	Yes
16/06/2019	15264848	16040216	16 Mercury Lane	Windsor Park	N/A	L1	181	Roots	2.5	No	No	Yes
18/06/2019	15269508	16205298	94 Oakway Dr	Schnapper Rock	N/A	L1	178	Rubbish	0	No	No	Yes
18/06/2019	15269784	28524344	55 Meadowood Dr	Unsworth Heights	N/A	L1	164	Roots	0	No	No	Yes
18/06/2019	15270340	16039391	6 Mercari Way	Albany	N/A	L1	167	Roots	0	No	No	Yes
24/06/2019	15285533	16039391	6 Mercari Way	Albany	N/A	L1	190	Roots	5	No	No	Yes
26/06/2019	15292843	50206932	90 Admirals Court Dr	Greenhithe	N/A	L1	200	Fat	0	No	No	Yes
29/06/2019	15301858	28527467	7 Mandeville Pl	Unsworth Heights	N/A	L1	261	Roots	0	No	No	Yes

Table 15: Overflows in the Upper Harbour South Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14406233	28526253	3/17 Cresta Ave	Beach Haven	N/A	L1	105	Rags	0.5	No	No	Yes
3/07/2018	14407949	28528554	1/215 Beach Haven Rd	Beach Haven	N/A	L2	119	Fat	1	No	No	Yes
3/07/2018	14408546	28528558	230 Beach Haven Rd	Beach Haven		L2	125	Unknown	1	No	No	Yes
9/07/2018	14420535	28510576	83 Pemberton Ave	Bayview		L2	270	Fat	9.5	No	No	Yes
11/07/2018	14428005	16217823	8 Tamahere Dr	Glenfield	N/A	L1	81	Roots	10.5	No	No	Yes
13/07/2018	14433142	28505592	1/3A Balmain Rd	Birkenhead	N/A	L1	125	Unknown	2.5	No	No	Yes
15/07/2018	14435430	28513181	2/54 Elliott Ave	Bayview	N/A	L1	203	Surcharging	3	No	No	Yes
15/07/2018	14435547	16055266	163 Balmain Rd	Birkenhead	N/A	L1	103	Surcharging	3	No	No	Yes
15/07/2018	14435581	28529785	47 Gatman St	Birkdale	N/A	L1	1379	Surcharging	3	No	No	Yes
15/07/2018	14435627	28532747	37 Rosecamp Rd	Beach Haven	N/A	L1	303	Surcharging	3	No	No	Yes
15/07/2018	14435648	16054180	113 Beach Haven Rd	Beach Haven	N/A	L1	203	Surcharging	3	No	No	Yes
15/07/2018	14435654	10089594	3/25 Gazelle Ave	Beach Haven	N/A	L1	733	Surcharging	3	No	No	Yes
16/07/2018	14438851	16056970	12 Amelia Pl	Beach Haven	N/A	L1	81	Surcharging	32	No	No	Yes
17/07/2018	14441830	16222503	2/1-3 Easton Park Pde	Glenfield	N/A	L1	305	Roots	3	No	No	Yes
18/07/2018	14444963	16054077	2/28 Cresta Ave	Beach Haven	N/A	L1	178	Roots	0.5	No	No	Yes
28/07/2018	14470371	28500657	22 Miraka Pl	Birkenhead	N/A	L1	316	Fat	1.5	No	No	Yes
29/07/2018	14471212	16012031	1-3 Easton Park Pde	Glenfield	N/A	L1	155	Roots	4.5	No	No	Yes
1/08/2018	14479702	28529822	50A Rangatira Rd	Beach Haven	N/A	L1	142	Roots	0	No	No	Yes
5/08/2018	14490034	28502730	28 Spinella Dr	Bayview	N/A	L1	289	Fat	0	No	No	Yes
7/08/2018	14496111	28530071	126 Canongate St	Birkdale	N/A	L1	118	Roots	1	No	No	Yes
16/08/2018	14519294	28529990	2/79B Salisbury Rd	Birkdale	N/A	L1	81	Fat	4.5	No	No	Yes
18/08/2018	14523597	28529806	2/54A Birkdale Rd	Birkdale	N/A	L1	210	Fat	3	No	No	Yes
27/08/2018	14543001	28507799	19 Moller St	Beach Haven	N/A	L1	174	Unknown	1	No	No	Yes
29/08/2018	14548262	28513128	28 Spinella Dr	Bayview	N/A	L1	232	Surcharging	1	No	No	Yes
4/09/2018	14562787	28516437	4 Park Rd	Glenfield	N/A	L1	65	Roots	12.5	No	No	Yes
4/09/2018	14564604	28528673	27 Fordham St	Beach Haven	-	L2	31	Roots	12.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/09/2018	14574096	28518893	2/14 Park Hill Rd	Birkenhead	N/A	L1	269	Fat	0	No	No	Yes
14/09/2018	14589869	16218321	2/37 Contessa Dr	Glenfield	N/A	L1	279	Roots	0	No	No	Yes
21/09/2018	14607731	28528634	31 Fairclough Rd	Beach Haven	N/A	L1	109	Fat	0	No	No	Yes
23/09/2018	14609998	28532281	3 Anchor Pl	Beach Haven	N/A	L1	85	Fat	7.5	No	No	Yes
26/09/2018	14619033	28506287	64 Rosecamp Rd	Beach Haven	N/A	L1	182	Roots	2	No	No	Yes
26/09/2018	14619276	28529846	2 Hebe Pl	Birkenhead	-	L2	141	Unknown	2	No	No	Yes
29/09/2018	14626595	28502892	8 Lynn Rd	Bayview	N/A	L1	387	Unknown	0	No	No	Yes
1/10/2018	14628697	28513847	1/1 Hale Cres	Bayview	N/A	L1	125	Unknown	0	No	No	Yes
3/10/2018	14635965	16224085	45 Park Rd	Glenfield	N/A	L1	213	Roots	0	No	No	Yes
3/10/2018	14636687	28503618	7 Sunnyfield Cres	Glenfield	-	L2	191	Roots	0	No	No	Yes
6/10/2018	14643387	16262252	1/71 Verran Rd	Birkenhead	N/A	L1	155	Fat	0	No	No	Yes
7/10/2018	14644365	50051725	26 Park Hill Rd	Birkenhead	N/A	L1	171	Foreign Object	0	No	No	Yes
7/10/2018	14644546	28513154	2/128 Spinella Dr	Bayview	6	L3	100	Roots	0	Yes	Yes	Yes
9/10/2018	14650731	10317531	1/215 Beach Haven Rd	Beach Haven	N/A	L1	131	Broken pipe	0	No	No	Yes
10/10/2018	14653541	28518948	26 Park Hill Rd	Birkenhead	N/A	L1	130	Broken pipe	0	No	No	Yes
10/10/2018	14655192	28503125	23 Vandeleur Ave	Birkdale	N/A	L1	59	Roots	0	No	No	Yes
11/10/2018	14656572	10317529	26 Park Hill Rd	Birkenhead	N/A	L1	220	Broken pipe	24.5	No	No	Yes
13/10/2018	14663085	10317529	26 Park Hill Rd	Birkenhead	N/A	L1	207	Broken pipe	4.5	No	No	Yes
14/10/2018	14663898	28532697	14 Sea Vista Ave	Beach Haven	N/A	L1	75	Fat	0	No	No	Yes
15/10/2018	14665031	28502730	28 Spinella Dr	Bayview	N/A	L1	153	Foreign Object	0	No	No	Yes
16/10/2018	14671830	28502730	28 Spinella Dr	Bayview	N/A	L1	123	Roots	0	No	No	Yes
17/10/2018	14673696	28504981	107 Lynn Rd	Bayview	3	L3	249	Rags	0.5	Yes	Yes	Yes
19/10/2018	14679991	28529893	23 Radiata Lane	Chatswood	N/A	L1	131	Roots	0	No	No	Yes
19/10/2018	14681386	28532759	4 Rosecamp Rd	Beach Haven	-	L2	977	Unknown	0	No	No	Yes
21/10/2018	14683397	16197458	26 Flaxdale St	Birkdale	N/A	L1	91	Roots	0	No	No	Yes
23/10/2018	14687112	28518966	1/50 Park Hill Rd	Birkenhead	N/A	L1	134	Rags	2.5	No	No	Yes
26/10/2018	14698690	28532351	53 Eskdale Rd	Birkdale	N/A	L1	354	Fat	10.5	No	No	Yes
27/10/2018	14699569	28500586	118 Park Hill Rd	Birkenhead	N/A	L1	193	Fat	11	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
5/11/2018	14721573	28529620	25 Chippendale Cres	Birkdale	N/A	L1	138	Unknown	0.5	No	No	Yes
5/11/2018	14723263	28526493	53 Lysander Cres	Beach Haven	N/A	L1	16	Roots	0.5	No	No	Yes
9/11/2018	14735381	28528959	76 Island Bay Rd	Beach Haven	N/A	L1	125	Unknown	2.5	No	No	Yes
11/11/2018	14738912	28503226	81 Vandeleur Ave	Birkdale	N/A	L1	96	Roots	0	No	No	Yes
13/11/2018	14743136	28526516	4/290 Rangatira Rd	Beach Haven	N/A	L1	172	Rubbish	0	No	No	Yes
18/11/2018	14756563	28513308	1/66 Simon Ellice Dr	Bayview	N/A	L1	72	Fat	0	No	No	Yes
25/11/2018	14773618	10317529	2/25 Gazelle Ave	Beach Haven	N/A	L1	129	Surcharging	14	No	No	Yes
25/11/2018	14773635	16054180	113 Beach Haven Rd	Beach Haven	N/A	L1	185	Surcharging	14	No	No	Yes
25/11/2018	14773696	16055186	47 Gatman St	Birkdale	N/A	L1	154	Surcharging	14	No	No	Yes
27/11/2018	14777943	16057247	83 Stott Ave	Birkdale	N/A	L1	95	Surcharging	4.5	No	No	Yes
5/12/2018	14799268	28532773	45 Jacaranda Ave	Beach Haven	N/A	L1	128	Unknown	2.5	No	No	Yes
6/12/2018	14802013	28502931	2/23 Glen Vista Pl	Bayview	N/A	L1	107	Unknown	3.5	No	No	Yes
6/12/2018	14804129	28532764	24 Rosecamp Rd	Beach Haven	█	L3	88	Unknown	3.5	Yes	Yes	Yes
10/12/2018	14811885	28503010	2/12 Elliott Ave	Bayview	N/A	L1	142	Unknown	0	No	No	Yes
11/12/2018	14812708	28505004	82 Eskdale Rd	Birkdale	6 (70m downstream)	L3	121	Unknown	0	Yes	Yes	Yes
17/12/2018	14828386	16259924	3 Utting St	Birkdale	N/A	L1	137	Roots	0	No	No	Yes
20/12/2018	14835919	28516913	10A Beeche Pl	Birkdale	N/A	L1	107	Rags	16	No	No	Yes
20/12/2018	14837265	28503040	2/92E Manuka Rd	Glenfield	N/A	L1	395	Foreign Object	16	No	No	Yes
24/12/2018	14844401	28513181	2/54 Elliott Ave	Bayview	N/A	L1	128	Surcharging	67	No	No	Yes
25/12/2018	14844557	28505004	82 Eskdale Rd	Birkdale	6	L2	172	Unknown	14	No	No	Yes
25/12/2018	14844708	16057247	83 Stott Ave	Birkdale	N/A	L1	203	Surcharging	14	No	No	Yes
28/12/2018	14848151	28503699	2/56 Peach Rd	Glenfield	N/A	L1	114	Unknown	0	No	No	Yes
2/01/2019	14853803	16014973	26 Park Hill Rd	Birkenhead	N/A	L1	330	Rubbish	0	No	No	Yes
2/01/2019	14853860	28516683	82 Eskdale Rd	Birkdale	6 at 70m	L3	192	Roots	0	Yes	Yes	Yes
3/01/2019	14855862	28526349	1/142 Lancaster Rd	Beach Haven	N/A	L1	106	Fat	0	No	No	Yes
4/01/2019	14856651	28518947	22 Park Hill Rd	Birkenhead	N/A	L1	94	Broken pipe	0	No	No	Yes
4/01/2019	14857396	28526349	2/142 Lancaster Rd	Beach Haven	N/A	L1	688	Unknown	0	No	No	Yes
6/01/2019	14859536	28518948	26 Park Hill Rd	Birkenhead	N/A	L1	79	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
8/01/2019	14863545	28530083	41A Verbena Rd	Birkdale	N/A	L1	283	Unknown	0	No	No	Yes
11/01/2019	14872770	28505974	52 Sunnyside Ave	Beach Haven	N/A	L1	116	Rags	0	No	No	Yes
11/01/2019	14872936	28528905	17 Pluto Pl	Beach Haven	N/A	L1	147	Unknown	0	No	No	Yes
13/01/2019	14875463	28500844	39/216 Manuka Rd	Bayview	N/A	L1	269	Fat	0	No	No	Yes
19/01/2019	14891301	28518948	26 Park Hill Rd	Birkenhead	N/A	L1	81	Rags	0	No	No	Yes
20/01/2019	14892483	28506325	60 Brigantine Dr	Beach Haven	N/A	L1	125	Unknown	1	No	No	Yes
21/01/2019	14895368	28528802	41 Taurus Cres	Beach Haven	N/A	L1	168	Roots	0	No	No	Yes
21/01/2019	14895761	28529620	27 Chippendale Cres	Birkdale	N/A	L1	142	Unknown	0	No	No	Yes
22/01/2019	14899085	28529895	1/91 Balmain Rd	Birkenhead	N/A	L1	104	Unknown	0	No	No	Yes
24/01/2019	14904838	28529620	25 Chippendale Cres	Birkdale	N/A	L1	393	Foreign Object	3.5	No	No	Yes
26/01/2019	14909270	28532727	30 Lysander Cres	Beach Haven	N/A	L1	103	Unknown	0	No	No	Yes
27/01/2019	14909833	28518928	26 Park Hill Rd	Birkenhead	N/A	L1	137	Rags	0	No	No	Yes
28/01/2019	14910560	28532747	37 Rosecamp Rd	Beach Haven	-	L2	188	Unknown	0.5	No	No	Yes
2/02/2019	14924300	28526620	85 Hadfield St	Beach Haven	N/A	L1	249	Unknown	0.5	No	No	Yes
6/02/2019	14932509	28503705	1/58 Peach Rd	Glenfield	N/A	L1	147	Fat	0	No	No	Yes
10/02/2019	14941440	28521613	12 Stephanie Cl	Glenfield	N/A	L1	297	Fat	0	No	No	Yes
11/02/2019	14943535	28529674	18 Beswick Pl	Birkdale	N/A	L1	194	Roots	0	No	No	Yes
13/02/2019	14951228	28521613	14 Stephanie Cl	Glenfield	N/A	L1	262	Roots	0	No	No	Yes
20/02/2019	14968030	16057140	60 Brigantine Dr	Beach Haven	N/A	L1	210	Roots	2.5	No	No	Yes
21/02/2019	14971203	28526582	134 Island Bay Rd	Beach Haven	N/A	L1	233	Unknown	0	No	No	Yes
2/03/2019	14993466	16056249	1 Anchor Pl	Beach Haven	6	L3	1334	Rags	0	Yes	Yes	Yes
3/03/2019	14995321	28532786	76 Brigantine Dr	Beach Haven	-	L2	279	Unknown	0	No	No	Yes
4/03/2019	14995824	28512956	23 Glen Vista Pl	Bayview	N/A	L1	122	Fat	0	No	No	Yes
7/03/2019	15007377	28512420	66A Beach Haven Rd	Beach Haven	N/A	L1	218	Fat	4	No	No	Yes
7/03/2019	15008554	28512970	1/23 Glen Vista Pl	Bayview	3	L1	318	Roots	4	No	No	Yes
12/03/2019	15018715	28504121	105 Stott Ave	Birkdale	N/A	L1	247	Unknown	0	No	No	Yes
14/03/2019	15026645	28502782	227 Manuka Rd	Bayview	N/A	L1	144	Rags	0	No	No	Yes
15/03/2019	15027912	28518948	26 Park Hill Rd	Birkenhead	N/A	L1	395	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/03/2019	15064597	16014974	22 Park Hill Rd	Birkenhead	N/A	L1	101	Broken pipe	1.5	No	No	Yes
1/04/2019	15067768	28526236	2/92 Beach Haven Rd	Beach Haven	N/A	L1	136	Fat	38	No	No	Yes
1/04/2019	15068386	28508933	66 Easton Park Pde	Glenfield	0.5	L3	239	Fat	38	Yes	Yes	Yes
1/04/2019	15070029	28509021	Kaipatiki Rd	Glenfield	-	L3	251	Roots	38	Yes	Yes	Yes
5/04/2019	15080957	28530014	1/97 Verbena Rd	Birkdale	N/A	L1	264	Fat	1	No	No	Yes
6/04/2019	15084193	28503605	2/37 Kaipatiki Rd	Glenfield	N/A	L1	265	Fat	6.5	No	No	Yes
6/04/2019	15084485	28529689	34 Paramu Ave	Birkdale	N/A	L1	430	Roots	6.5	No	No	Yes
9/04/2019	15091958	28508855	2/46 Gladys Ave	Glenfield	N/A	L1	234	Foreign Object	0	No	No	Yes
14/04/2019	15105109	28500686	22 Willow Ave	Birkenhead	N/A	L1	349	Roots	0	No	No	Yes
20/04/2019	15120339	28529655	13 Aplin Pl	Birkdale	N/A	L1	98	Roots	0	No	No	Yes
20/04/2019	15120393	28506324	60 Brigantine Dr	Beach Haven	N/A	L1	97	Roots	0	No	No	Yes
20/04/2019	15120475	16222281	1/7-9 Neal Ave	Glenfield	N/A	L1	68	Rubbish	0	No	No	Yes
26/04/2019	15131693	16218042	34 Beaudine Ave	Glenfield	N/A	L1	136	Roots	0	No	No	Yes
28/04/2019	15133611	16012661	58 Easton Park Pde	Glenfield	N/A	L1	219	Unknown	10	No	No	Yes
28/04/2019	15134112	28530200	2/20 Kauri Rd	Birkenhead	N/A	L1	118	Roots	10	No	No	Yes
29/04/2019	15135013	28513640	1/19 Easton Park Pde	Glenfield	N/A	L1	198	Roots	5.5	No	No	Yes
29/04/2019	15136671	16054665	2/13 Mcglashen Pl	Beach Haven	N/A	L1	102	Roots	5.5	No	No	Yes
4/05/2019	15151418	16057206	53 Castleton St	Birkdale	N/A	L1	135	Roots	0	No	No	Yes
4/05/2019	15151549	28503594	58 Easton Park Pde	Glenfield	3	L2	245	Fat	0	No	No	Yes
13/05/2019	15178259	28529991	2/79B Salisbury Rd	Birkdale	N/A	L1	136	Fat	2	No	No	Yes
21/05/2019	15200924	28512734	107 Lynn Rd	Bayview	6	L3	786	Fat	0	Yes	Yes	Yes
22/05/2019	15201759	28506329	52 Brigantine Dr	Beach Haven	N/A	L1	205	Roots	1.5	No	No	Yes
22/05/2019	15204042	16055592	2/20 Kauri Rd	Birkenhead	N/A	L1	285	Roots	1.5	No	No	Yes
23/05/2019	15207157	50051725	14 Rambler Cres	Beach Haven	N/A	L1	283	3rd party damage	1.5	No	No	Yes
3/06/2019	15231112	28510491	24 Waverley Ave	Glenfield	N/A	L1	72	Fat	1.5	No	No	Yes
4/06/2019	15232599	16054076	2/28 Cresta Ave	Beach Haven	N/A	L1	180	Roots	0	No	No	Yes
7/06/2019	15243333	28526271	14 Rambler Cres	Beach Haven	N/A	L1	98	3rd party damage	15.5	No	No	Yes
12/06/2019	15256484	28521641	2/19 Stanley Rd	Glenfield	N/A	L1	286	Fat	0.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/06/2019	15257907	28503232	1/83 Vandeleur Ave	Birkdale	N/A	L1	149	Roots	0.5	No	No	Yes
13/06/2019	15259093	28529682	19 Beswick Pl	Birkdale	N/A	L1	135	Roots	0.5	No	No	Yes
16/06/2019	15264661	16013136	24 Waverley Ave	Glenfield	N/A	L1	159	Roots	2.5	No	No	Yes
20/06/2019	15275609	16014653	226 Eskdale Rd	Birkenhead	6	L3	286	Rags	8	Yes	Yes	Yes
23/06/2019	15283572	28526464	255 Rangatira Rd	Beach Haven	N/A	L1	113	Roots	5	No	No	Yes
28/06/2019	15300758	16013387	2/107 Stanley Rd	Glenfield	N/A	L1	204	Fat	0	No	No	Yes

Table 16: Overflows in the Upper Harbour West Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14404964	50248901	3 Rawiri Pl	Hobsonville	N/A	L1	654	Silts	0.5	No	No	Yes
3/07/2018	14407381	10030002	11 Lagoon Way	West Harbour	N/A	L1	106	Roots	1	No	No	Yes
4/07/2018	14410223	10027534	23 Hendrika Crt	Hobsonville	N/A	L1	134	Broken pipe	1.5	No	No	Yes
15/07/2018	14435554	10371310	6G Clearwater Cv	West Harbour	N/A	L1	1309	Surcharging	3	No	No	Yes
15/07/2018	14435913	10029706	17 Oakpark Pl	West Harbour	N/A	L1	81	Surcharging	3	No	No	Yes
23/07/2018	14453781	50449072	3 Kopuru Rd	Whenuapai	N/A	L1	109	Rubbish	12.5	No	No	Yes
23/07/2018	14455378	50303956	103 Glidepath Rd	Hobsonville	N/A	L1	220	Rubbish	12.5	No	No	Yes
2/08/2018	14484522	50257537	4 Kawakawa Pl	Whenuapai	N/A	L1	119	Unknown	0	No	No	Yes
9/08/2018	14501414	50303954	103 Glidepath Rd	Hobsonville	N/A	L1	614	Foreign Object	8.5	No	No	Yes
17/08/2018	14520822	50213476	56 Bomb Point Dr	Hobsonville	N/A	L1	436	Fat	0	No	No	Yes
31/08/2018	14555199	10048475	86 The Terrace	Herald Island	N/A	L1	244	Roots	0	No	No	Yes
7/09/2018	14573066	10023996	46 Hogarth Rise	West Harbour	N/A	L1	310	Fat	10	No	No	Yes
21/10/2018	14683218	10030002	11 Lagoon Way	West Harbour	N/A	L1	172	Fat	0	No	No	Yes
9/11/2018	14735726	10053681	46 Cherub Pl	West Harbour	N/A	L1	66	Unknown	2.5	No	No	Yes
17/11/2018	14756022	10029778	1/74 Wiseley Rd	West Harbour	N/A	L1	183	Rags	0	No	No	Yes
20/11/2018	14763271	10030064	1-5 Reflection Dr	West Harbour	0.25	L3	397	Fat	1.5	Yes	Yes	Yes
20/11/2018	14763428	10081959	33 Reflection Dr	West Harbour	N/A	L1	231	Fat	1.5	No	No	Yes
30/11/2018	14788879	50454453	160 Buckley Ave	Hobsonville	N/A	L1	104	Silts	1.5	No	No	Yes
30/11/2018	14788881	50454454	21 Frances Bryers Rd	Hobsonville	N/A	L1	189	Silts	1.5	No	No	Yes
3/12/2018	14794343	10030160	327 Hobsonville Rd	Hobsonville	N/A	L1	146	Fat	22.5	No	No	Yes
15/02/2019	14957101	10052949	17 Wiseley Rd	Hobsonville	N/A	L1	98	Fat	0	No	No	Yes
25/02/2019	14979927	50169154	74 Squadron Dr	Hobsonville	N/A	L1	319	Unknown	0	No	No	Yes
14/03/2019	15026714	10030002	11 Lagoon Way	West Harbour	N/A	L1	140	Fat	0	No	No	Yes
15/03/2019	15029625	10008517	13 Belvedere Crt	West Harbour	N/A	L1	161	Roots	0	No	No	Yes
26/03/2019	15055382	50448728	Hangar Lane	Whenuapai	N/A	L1	307	Silts	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/04/2019	15079501	50238876	Kohuhu Lane	Massey	N/A	L1	184	Foreign Object	2	No	No	Yes
7/04/2019	15085239	10008323	46 Cherub Pl	West Harbour	N/A	L1	140	Roots	0.5	No	No	Yes
13/04/2019	15103952	50295077	Mantis Lane	Hobsonville Point	N/A	L1	191	Fat	0	No	No	Yes
27/04/2019	15133032	50238875	Kohuhu Lane	Massey	N/A	L1	215	Fat	0	No	No	Yes
30/04/2019	15139777	50188417	15 Fred Taylor Dr	Massey	N/A	L1	174	Fat	0.5	No	No	Yes
8/06/2019	15245607	50216652	50 Lockheed St	Hobsonville	N/A	L1	958	3rd party damage	0.5	No	No	Yes
8/06/2019	15245991	10030002	11 Lagoon Way	West Harbour	N/A	L1	112	Rags	0.5	No	No	Yes
10/06/2019	15247551	10049059	5 Bonnard Pl	West Harbour	N/A	L1	224	Roots	0	No	No	Yes
23/06/2019	15283830	50304818	17 Fred Taylor Dr	Massey	N/A	L1	108	Fat	5	No	No	Yes
29/06/2019	15302295	50304818	17 Fred Taylor Dr	Massey	N/A	L1	271	Fat	0	No	No	Yes

Table 17: Overflows in the Henderson Creek Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403092	10047015	54 Bahari Dr	Ranui	N/A	L1	388	Fat	9	No	No	Yes
3/07/2018	14409004	10046735	65A Reynella Dr	Massey	N/A	L1	108	Rags	1	No	No	Yes
3/07/2018	14409609	10043340	2 Mayfair Pl	Massey		L2	330	Unknown	1	No	No	Yes
4/07/2018	14411428	10041183	Swanson Rd	Henderson	N/A	L1	188	Fat	1.5	No	No	Yes
4/07/2018	14412311	10039630	47 Rangeview Rd	Sunnyvale	N/A	L1	310	Roots	1.5	No	No	Yes
6/07/2018	14417320	10072998	1/7 Epping Rd	Henderson	N/A	L1	740	Unknown	0	No	No	Yes
6/07/2018	14417379	11034565	22 Candia Rd	Swanson	N/A	L1	1184	Foreign Object	0	No	No	Yes
6/07/2018	14418020	10325214	6 Pyrite St	Massey	N/A	L1	367	Roots	0	No	No	Yes
6/07/2018	14418134	10047410	18 Candia Rd	Swanson	N/A	L1	247	Fat	0	No	No	Yes
7/07/2018	14418959	10041325	16 Keeling Rd	Henderson	N/A	L1	366	Fat	0	No	No	Yes
9/07/2018	14420550	11010752	522- Swanson Rd	Ranui	-	L2	216	Rubbish	9.5	No	No	Yes
12/07/2018	14429315	10027733	267 Glengarry Rd	Glen Eden	N/A	L1	412	Roots	1	No	No	Yes
13/07/2018	14432809	10039929	7 Surman Pl	Glen Eden	N/A	L1	123	Fat	2.5	No	No	Yes
13/07/2018	14433945	10038780	3 Bruce McLaren Rd	Henderson	N/A	L1	217	Fat	2.5	No	No	Yes
15/07/2018	14435399	10023342	46 Titoki St	Te Atatu Peninsula	N/A	L1	444	Surcharging	3	No	No	Yes
15/07/2018	14435400	10020991	1/1 Takapu St	Henderson	N/A	L1	91	Surcharging	3	No	No	Yes
15/07/2018	14435411	10041610	1 Castaing Cres	Te Atatu South	N/A	L1	789	Surcharging	3	No	No	Yes
15/07/2018	14435412	10016950	11 Waitoro Lane	Henderson	N/A	L1	129	Surcharging	3	No	No	Yes
15/07/2018	14435448	11010538	10 Celsmere Lane	Te Atatu Peninsula	N/A	L1	47	Surcharging	3	No	No	Yes
15/07/2018	14435571	10041455	1/21 Newington Rd	Henderson	N/A	L1	254	Foreign Object	3	No	No	Yes
15/07/2018	14435820	10015783	2/5A Konini Rd	Titirangi	N/A	L1	73	Surcharging	3	No	No	Yes
16/07/2018	14437637	10009437	25B Duncan Ave	Te Atatu South	N/A	L1	87	Surcharging	32	No	No	Yes
16/07/2018	14438900	10039223	515 West Coast Rd	Oratia	-	L2	1011	Broken pipe	32	No	No	Yes
17/07/2018	14440838	10007372	1/14 Lowtherhurst Rd	Massey	N/A	L1	136	Surcharging	3	No	No	Yes
18/07/2018	14443241	10041661	137 Edmonton Rd	Te Atatu South	-	L2	220	Roots	0.5	No	No	Yes
18/07/2018	14443770	10021745	26A Swanson Rd	Henderson	N/A	L1	74	Surcharging	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
19/07/2018	14447558	10046830	98 Glen Rd	Ranui		L2	21	Fat	0	No	No	Yes
20/07/2018	14449395	50224084	54 Cirrus Way	Ranui	N/A	L1	54	Silts	5	No	No	Yes
21/07/2018	14451865	10026187	522- Swanson Rd	Ranui	-	L2	1008	Foreign Object	0.5	No	No	Yes
21/07/2018	14452284	10441685	49 Lavelle Rd	Henderson	N/A	L1	193	Unknown	0.5	No	No	Yes
22/07/2018	14452403	10041414	15 Dellwood Ave	Henderson	N/A	L1	410	Fat	0	No	No	Yes
22/07/2018	14452741	10018515	7 Surman Pl	Glen Eden	N/A	L1	300	Unknown	0	No	No	Yes
25/07/2018	14463997	10038512	133A Henderson Valley Rd	Henderson	N/A	L1	74	Surcharging	0	No	No	Yes
26/07/2018	14466737	10022394	207- Lincoln Rd	Henderson	N/A	L1	1090	3rd party damage	0.5	No	No	Yes
28/07/2018	14470213	10017338	1 Bruce McLaren Rd	Henderson	N/A	L1	75	Unknown	1.5	No	No	Yes
28/07/2018	14470481	10017338	1 Bruce McLaren Rd	Henderson	N/A	L1	138	Rags	1.5	No	No	Yes
29/07/2018	14470970	10041688	32 Chilcott Rd	Henderson	N/A	L1	256	Fat	4.5	No	No	Yes
30/07/2018	14472675	10073501	6/38 Kirrie Ave	Te Atatu South	N/A	L1	604	Unknown	0.5	No	No	Yes
30/07/2018	14473355	10023187	92 Flanshaw Rd	Te Atatu South	N/A	L1	126	Unknown	0.5	No	No	Yes
30/07/2018	14473408	10085954	2/10 Cameron Pl	Ranui	N/A	L1	182	Unknown	0.5	No	No	Yes
31/07/2018	14476210	11010752	522- Swanson Rd	Ranui	0.5	L2	412	Fat	0.5	No	No	Yes
1/08/2018	14479835	10043708	199C Lincoln Rd	Henderson	N/A	L1	162	Unknown	0	No	No	Yes
3/08/2018	14486556	10041442	13 Tara Rd	Henderson	N/A	L1	142	Unknown	0.5	No	No	Yes
3/08/2018	14487880	10044436	121 Flanshaw Rd	Te Atatu South	N/A	L1	214	Roots	0.5	No	No	Yes
4/08/2018	14489419	10016410	201 Atkinson Rd	Titirangi	-	L2	371	Rags	1	No	No	Yes
4/08/2018	14489670	11010752	523 Swanson Rd	Ranui	N/A	L1	172	Foreign Object	1	No	No	Yes
6/08/2018	14493075	11005901	23 South Kensington Way	Henderson	N/A	L1	227	Unknown	0.5	No	No	Yes
6/08/2018	14493419	10043569	283- Lincoln Rd	Henderson	N/A	L1	158	Fat	0.5	No	No	Yes
9/08/2018	14501386	10036856	28 Annison Ave	Glen Eden	N/A	L1	576	Roots	8.5	No	No	Yes
9/08/2018	14501423	10075316	179 Waimumu Rd	Massey	N/A	L1	587	Roots	8.5	No	No	Yes
9/08/2018	14501497	10039928	7 Surman Pl	Glen Eden	N/A	L1	141	Rags	8.5	No	No	Yes
9/08/2018	14503270	10046760	76 Ulrich Dr	Ranui	0.25	L2	353	Fat	8.5	No	No	Yes
13/08/2018	14508975	10048643	88 Ulrich Dr	Ranui	N/A	L1	199	Rags	0	No	No	Yes
14/08/2018	14511535	10039350	61 Brunner Rd	Glen Eden	0.25, heavy rain	L2	485	Rags	16	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
14/08/2018	14512931	10042286	5 Vitasovich Ave	Henderson	N/A	L1	104	Roots	16	No	No	Yes
16/08/2018	14518916	10016854	2/32 Kereru St	Henderson	N/A	L1	362	Unknown	4.5	No	No	Yes
17/08/2018	14521647	10088355	31 Fraser Ave	Northcote	N/A	L1	266	Broken pipe	0	No	No	Yes
20/08/2018	14525492	10049422	15 Babich Rd	Henderson Valley	6	L3	517	Foreign Object	0	Yes	Yes	Yes
20/08/2018	14526969	10324716	38 Vinograd Dr	Te Atatu Peninsula	N/A	L1	170	Roots	0	No	No	Yes
20/08/2018	14527847	10017184	7 Farwood Dr	Henderson	N/A	L1	476	Foreign Object	0	No	No	Yes
21/08/2018	14530677	15089165	10 Chamberlain Rd	Massey	3	L3	280	Foreign Object	1	Yes	Yes	Yes
22/08/2018	14533415	10038415	32 Coburg St	Henderson	N/A	L1	47	Surcharging	6.5	No	No	Yes
22/08/2018	14533965	10075685	4 Kopi Pl	Massey	N/A	L1	216	Unknown	6.5	No	No	Yes
25/08/2018	14540114	10325127	12 Provence Esp	Te Atatu Peninsula	N/A	L1	354	Rags	2	No	No	Yes
25/08/2018	14540189	10075685	4 Kopi Pl	Massey	N/A	L1	245	Fat	2	No	No	Yes
26/08/2018	14540751	10452861	24 Kona Cres	Henderson	N/A	L1	91	Foreign Object	2.5	No	No	Yes
26/08/2018	14540790	10016131	198 Konini Rd	Titirangi	N/A	L1	232	Unknown	2.5	No	No	Yes
27/08/2018	14542875	10075685	4 Kopi Pl	Massey	N/A	L1	739	3rd party damage	1	No	No	Yes
27/08/2018	14543335	10047659	168 Metcalfe Rd	Ranui	N/A	L1	25	Roots	1	No	No	Yes
28/08/2018	14547070	15030232	40 Titoki St	Te Atatu Peninsula	4	L3	328	Rags	0	Yes	Yes	Yes
29/08/2018	14549101	10023297	10 Celsmere Lane	Te Atatu Peninsula	N/A	L1	88	Surcharging	1	No	No	Yes
30/08/2018	14553113	10075685	4 Kopi Pl	Massey	N/A	L1	1003	3rd party damage	29.5	No	No	Yes
31/08/2018	14554996	10038106	1/13 Daffodil St	Titirangi	N/A	L1	316	Unknown	0	No	No	Yes
2/09/2018	14557611	10021994	4 Lincoln Garden Cl	Massey	N/A	L1	341	Rags	1.5	No	No	Yes
3/09/2018	14559953	10048373	4 Pooks Rd	Ranui	N/A	L1	648	Broken pipe	3	No	No	Yes
3/09/2018	14561227	10044247	560- Te Atatu Rd	Te Atatu Peninsula	N/A	L1	355	Fat	3	No	No	Yes
5/09/2018	14566643	10069073	84 Sunvue Rd	Glen Eden	N/A	L1	144	Roots	0.5	No	No	Yes
6/09/2018	14568362	10026462	122- Metcalfe Rd	Ranui	N/A	L1	263	Roots	0	No	No	Yes
7/09/2018	14572909	10039930	7 Surman Pl	Glen Eden	N/A	L1	1252	Unknown	10	No	No	Yes
10/09/2018	14576106	10029489	15 Backhurst Grv	Massey	N/A	L1	292	Unknown	0	No	No	Yes
10/09/2018	14576174	10325305	4 Cinnabar Pl	Massey	N/A	L1	135	Roots	0	No	No	Yes
10/09/2018	14576250	10042384	Catherine St	Henderson	N/A	L1	375	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
11/09/2018	14579715	15029960	22 Candia Rd	Swanson	N/A	L1	139	Fat	5	No	No	Yes
11/09/2018	14580930	10046707	230 Don Buck Rd	Massey	N/A	L1	88	Unknown	5	No	No	Yes
11/09/2018	14582048	10029650	17 Spargo Rd	Massey	N/A	L1	261	Fat	5	No	No	Yes
12/09/2018	14582865	10024713	364 Royal Rd	Massey	N/A	L1	137	Roots	2	No	No	Yes
13/09/2018	14588401	10071458	11 Normandy Pl	Henderson	N/A	L1	188	Rubbish	0	No	No	Yes
16/09/2018	14592666	11008626	30 Lake Panorama Dr	Henderson	N/A	L1	117	Fat	0	No	No	Yes
18/09/2018	14597008	11008627	30 Lake Panorama Dr	Henderson	N/A	L1	446	Fat	1	No	No	Yes
18/09/2018	14597321	11008627	32 Lake Panorama Dr	Henderson	N/A	L1	396	Roots	1	No	No	Yes
21/09/2018	14608409	10018600	1/14 Claridge St	Glen Eden	N/A	L1	198	Broken pipe	0	No	No	Yes
21/09/2018	14608596	10019507	37 Fitzwater Pl	Henderson	N/A	L1	435	Fat	0	No	No	Yes
22/09/2018	14609369	10019514	35 Fitzwater Pl	Henderson	0.25	L1	493	Rags	6.5	No	No	Yes
25/09/2018	14615018	10022526	85 Matipo Rd	Te Atatu Peninsula	N/A	L1	144	Unknown	10	No	No	Yes
26/09/2018	14617595	10025844	2/41 Don Buck Rd	Massey	N/A	L1	215	Roots	2	No	No	Yes
26/09/2018	14620218	10039991	334 West Coast Rd	Glen Eden	-	L2	239	Unknown	2	No	No	Yes
29/09/2018	14627009	10045531	2 Elizabeth Dr	West Harbour	N/A	L1	148	Roots	0	No	No	Yes
30/09/2018	14627411	10047075	12 Scarlet Dr	Ranui	N/A	L1	208	Fat	0	No	No	Yes
30/09/2018	14627583	10040556	53 Te Kanawa Cres	Henderson	N/A	L1	131	Roots	0	No	No	Yes
2/10/2018	14633356	10043347	330 Swanson Rd	Ranui	N/A	L1	154	Rubbish	1.5	No	No	Yes
2/10/2018	14633478	10043760	20 Kintara Dr	Massey	-	L2	339	Roots	1.5	No	No	Yes
5/10/2018	14640870	10036300	8A Easter Pde	Glen Eden	N/A	L1	125	Rags	0	No	No	Yes
5/10/2018	14642826	10325554	51-61 Flanshaw Rd	Te Atatu South	N/A	L1	263	Roots	0	No	No	Yes
6/10/2018	14643365	10036838	26 Annison Ave	Glen Eden	N/A	L1	1319	Roots	0	No	No	Yes
6/10/2018	14643608	10047479	39 Ranui Ave	Ranui	1	L2	468	Roots	0	No	No	Yes
7/10/2018	14644513	15091559	421 West Coast Rd	Glen Eden	N/A	L1	167	Fat	0	No	No	Yes
8/10/2018	14645447	10037062	40B Ambler Ave	Glen Eden	N/A	L1	70	Roots	0	No	No	Yes
8/10/2018	14647916	10068166	2/1 Farwood Dr	Henderson	N/A	L1	322	Fat	0	No	No	Yes
9/10/2018	14652671	10045149	1/21 Midgley Rd	West Harbour	N/A	L1	443	Roots	0	No	No	Yes
10/10/2018	14655102	10041041	18 Chardon Pl	Henderson	N/A	L1	564	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
14/10/2018	14664191	10037181	38A Routley Dr	Glen Eden	N/A	L1	257	Roots	0	No	No	Yes
15/10/2018	14667291	10325136	11 Vinograd Dr	Te Atatu Peninsula	N/A	L1	131	Roots	0	No	No	Yes
15/10/2018	14668037	10028084	24 Bruce McLaren Rd	Henderson	N/A	L1	680	Broken pipe	0	No	No	Yes
16/10/2018	14669449	10023404	3 Porter Ave	Te Atatu South	N/A	L1	233	Unknown	0	No	No	Yes
16/10/2018	14671514	10047169	10 Redlands Grv	Swanson	N/A	L1	129	Roots	0	No	No	Yes
16/10/2018	14672138	10041442	13 Tara Rd	Henderson	N/A	L1	245	Fat	0	No	No	Yes
17/10/2018	14672980	10019230	1/31 Ti Nana Cres	Henderson	N/A	L1	293	Broken pipe	0.5	No	No	Yes
17/10/2018	14673056	10047646	12 Afton Pl	Ranui	N/A	L1	160	Rubbish	0.5	No	No	Yes
18/10/2018	14676307	10029621	1/22 Spargo Rd	Massey	N/A	L1	158	Fat	0.5	No	No	Yes
19/10/2018	14679807	10046056	1/27 Abbotleigh Ave	Te Atatu Peninsula	N/A	L1	229	Unknown	0	No	No	Yes
19/10/2018	14681338	10020448	61 Woodford Ave	Henderson	N/A	L1	147	Unknown	0	No	No	Yes
21/10/2018	14683210	10036321	18A Easter Pde	Glen Eden	N/A	L1	161	Roots	0	No	No	Yes
21/10/2018	14683358	10047647	12 Afton Pl	Ranui	N/A	L1	133	Roots	0	No	No	Yes
22/10/2018	14683934	10029500	24 Granville Dr	Massey	N/A	L1	135	Fat	0	No	No	Yes
22/10/2018	14684039	10047140	720 Swanson Rd	Swanson	1	L2	189	Rags	0	No	No	Yes
22/10/2018	14684180	10042711	1/234 Triangle Rd	Massey	N/A	L1	364	Fat	0	No	No	Yes
23/10/2018	14687969	10040467	9/24 Pomaria Rd	Henderson	N/A	L1	286	Roots	2.5	No	No	Yes
24/10/2018	14691542	10046170	18 Bayside Ave	Te Atatu Peninsula	N/A	L1	292	Unknown	0	No	No	Yes
28/10/2018	14700675	10442480	1/234 Triangle Rd	Massey	N/A	L1	249	Fat	2	No	No	Yes
1/11/2018	14712956	10047618	34D Ranui Station Rd	Ranui	N/A	L1	261	Roots	3	No	No	Yes
1/11/2018	14715569	10037301	54 Konini Rd	Titirangi	N/A	L1	904	Roots	3	No	No	Yes
2/11/2018	14716912	10024235	112 Royal Rd	Massey	N/A	L1	253	Roots	0	No	No	Yes
7/11/2018	14730911	10045158	2 Trengove Pl	West Harbour	N/A	L1	918	Roots	0.5	No	No	Yes
8/11/2018	14732758	10034304	12/4 Oates Rd	Glen Eden	N/A	L1	223	Fat	0	No	No	Yes
8/11/2018	14733933	10038801	166 Rainside Ave	Henderson	N/A	L1	169	Rags	0	No	No	Yes
9/11/2018	14735281	10044436	119 Flanshaw Rd	Te Atatu South	N/A	L1	64	Fat	2.5	No	No	Yes
9/11/2018	14736147	10043668	14 Penfold Pl	Henderson	N/A	L1	187	Fat	2.5	No	No	Yes
9/11/2018	14736833	10036524	2 Leo St	Glen Eden	N/A	L1	273	Rags	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
10/11/2018	14737976	10044436	119 Flanshaw Rd	Te Atatu South	N/A	L1	222	Fat	2	No	No	Yes
11/11/2018	14738362	10034250	26 Captain Scott Rd	Glen Eden	N/A	L1	125	Rags	0	No	No	Yes
11/11/2018	14738553	10038511	133 Henderson Valley Rd	Henderson	N/A	L1	314	Foreign Object	0	No	No	Yes
13/11/2018	14744391	10039869	32 Aquarius Ave	Glen Eden	3	L3	286	Unknown	0	Yes	Yes	Yes
19/11/2018	14759029	10016817	28 Henderson Valley Rd	Henderson	N/A	L1	1172	Rags	4	No	No	Yes
21/11/2018	14764265	10017541	9 Serwayne Pl	Sunnyvale	N/A	L1	514	Unknown	12	No	No	Yes
21/11/2018	14764513	10040507	159 Lincoln Rd	Henderson	N/A	L1	194	Fat	12	No	No	Yes
21/11/2018	14764765	10040468	1 Kona Cres	Henderson	N/A	L1	573	Broken pipe	12	No	No	Yes
22/11/2018	14767631	10024838	1 Rewarewa Rd	Te Atatu Peninsula	N/A	L1	88	Unknown	7	No	No	Yes
23/11/2018	14772122	10040843	40 Fitzwater Pl	Henderson	N/A	L1	800	Broken Pipe	0	No	No	Yes
24/11/2018	14772420	10039577	1/21 James Laurie St	Henderson	N/A	L1	274	Rags	29.5	No	No	Yes
25/11/2018	14773520	10017210	Starforth Pl	Henderson	N/A	L1	91	Fat	14	No	No	Yes
25/11/2018	14773531	10015783	4/5A Konini Rd	Titirangi	N/A	L1	172	Surcharging	14	No	No	Yes
25/11/2018	14773533	10012689	13 Oates Rd	Glen Eden	N/A	L1	161	Surcharging	14	No	No	Yes
25/11/2018	14773638	11034569	526 Swanson Rd	Ranui	N/A	L1	50	Surcharging	14	No	No	Yes
26/11/2018	14774687	10019017	7 Kona Cres	Henderson	N/A	L1	537	Roots	1.5	No	No	Yes
26/11/2018	14774914	10046425	27 Garton Dr	Massey	N/A	L1	82	Unknown	1.5	No	No	Yes
27/11/2018	14778185	10012696	1/9 Wilson Rd	Glen Eden	N/A	L1	54	Unknown	4.5	No	No	Yes
27/11/2018	14779000	10006998	138- Royal Rd	Massey	N/A	L1	114	Fat	4.5	No	No	Yes
28/11/2018	14783898	10029614	138- Royal Rd	Massey	N/A	L1	341	Silts	0	No	No	Yes
29/11/2018	14786479	10038798	146 Railside Ave	Henderson	N/A	L1	313	Fat	0	No	No	Yes
29/11/2018	14786812	10007882	12 Ebony Pl	Massey	N/A	L1	106	Roots	0	No	No	Yes
30/11/2018	14788887	10038040	12 Woodfern Cres	Titirangi	N/A	L1	162	Fat	1.5	No	No	Yes
30/11/2018	14789482	10325817	8 Espalier Dr	Henderson	N/A	L1	203	Unknown	1.5	No	No	Yes
1/12/2018	14790683	10030453	9 Hiseman Lane	Henderson	N/A	L1	95	Fat	3	No	No	Yes
4/12/2018	14795953	10012990	1/2 Earl Rd	Titirangi	N/A	L1	232	Surcharging	2.5	No	No	Yes
4/12/2018	14796952	10018756	12 Rakich Pl	Ranui	N/A	L1	259	Fat	2.5	No	No	Yes
4/12/2018	14797143	10015783	4/5A Konini Rd	Titirangi	N/A	L1	140	Surcharging	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/12/2018	14798215	10039301	30 Selak Pl	Glen Eden	N/A	L1	562	Fat	2.5	No	No	Yes
6/12/2018	14802662	10046425	27 Garton Dr	Massey	N/A	L1	55	Unknown	3.5	No	No	Yes
6/12/2018	14803045	10026489	48A Jillian Dr	Ranui	N/A	L1	150	3rd party damage	3.5	No	No	Yes
7/12/2018	14806781	10030930	45 Cedar Heights Ave	Massey	N/A	L1	205	Fat	0.5	No	No	Yes
9/12/2018	14808186	10007542	5 Forsythe Pl	Massey	N/A	L1	120	Unknown	0	No	No	Yes
12/12/2018	14817186	10046413	5 Arde Pl	Massey	N/A	L1	170	Roots	5	No	No	Yes
16/12/2018	14825171	10038124	163 Atkinson Rd	Titirangi	N/A	L1	42	Roots	0	No	No	Yes
21/12/2018	14838464	10034258	1/9 Wilson Rd	Glen Eden	N/A	L1	78	Surcharging	4	No	No	Yes
22/12/2018	14841006	10017806	2 Meynell Crt	Glen Eden	N/A	L1	202	Roots	1.5	No	No	Yes
22/12/2018	14841096	10045552	28 Hueglow Rise	West Harbour	N/A	L1	236	Roots	1.5	No	No	Yes
22/12/2018	14841222	10046851	2 Chamberlain Rd	Massey	N/A	L1	297	Foreign Object	1.5	No	No	Yes
23/12/2018	14842218	10039254	2A Nicolas Ave	Glen Eden	N/A	L1	436	Unknown	12	No	No	Yes
24/12/2018	14842787	10034258	1/9 Wilson Rd	Glen Eden	N/A	L1	102	Surcharging	67	No	No	Yes
24/12/2018	14842810	10037968	111 Daffodil St	Titirangi	N/A	L1	78	Surcharging	67	No	No	Yes
24/12/2018	14842812	10012990	1/2 Earl Rd	Titirangi	N/A	L1	95	Surcharging	67	No	No	Yes
24/12/2018	14843052	10020991	1/1 Takapu St	Henderson	N/A	L1	51	Surcharging	67	No	No	Yes
24/12/2018	14843625	10030435	2/4 Mcleod Rd	Henderson	N/A	L1	181	Rubbish	67	No	No	Yes
24/12/2018	14844151	10065418	2/5A Konini Rd	Titirangi	N/A	L1	89	Surcharging	67	No	No	Yes
24/12/2018	14844385	10020991	1/1 Takapu St	Henderson	N/A	L1	286	Surcharging	67	No	No	Yes
24/12/2018	14844413	10038404	9 Waitoro Lane	Henderson	N/A	L1	283	Surcharging	67	No	No	Yes
24/12/2018	14844441	10022118	63 Universal Dr	Henderson	N/A	L1	241	Surcharging	67	No	No	Yes
25/12/2018	14844500	10024730	11 Chapman Rd	Te Atatu Peninsula	N/A	L1	191	Surcharging	14	No	No	Yes
25/12/2018	14844575	10079176	46 Sherwood Ave	Te Atatu South	N/A	L1	135	Unknown	14	No	No	Yes
25/12/2018	14844578	10023297	10 Celsmere Lane	Te Atatu Peninsula	N/A	L1	257	Surcharging	14	No	No	Yes
26/12/2018	14844962	10044428	97 Flanshaw Rd	Te Atatu South	N/A	L1	221	Roots	1	No	No	Yes
26/12/2018	14845066	10012610	16 Lucinda Pl	Glen Eden	N/A	L1	104	Surcharging	1	No	No	Yes
26/12/2018	14845097	10045635	75 West Harbour Dr	West Harbour	N/A	L1	283	Rags	1	No	No	Yes
27/12/2018	14847077	10015699	52 Captain Scott Rd	Glen Eden	N/A	L1	74	Surcharging	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/12/2018	14848502	10019230	1/31 Ti Nana Cres	Henderson	N/A	L1	222	Unknown	0	No	No	Yes
29/12/2018	14849968	11017077	29A Vina Pl	Massey	N/A	L1	102	Surcharging	0	No	No	Yes
30/12/2018	14850757	10423015	3 Dovey Pl	Massey	N/A	L1	110	Roots	0	No	No	Yes
2/01/2019	14853535	10021753	17 Aldern Rd	Massey	N/A	L1	652	Unknown	0	No	No	Yes
2/01/2019	14853942	10324557	9 Scotstoun Pl	Glen Eden	N/A	L1	345	Roots	0	No	No	Yes
2/01/2019	14854014	15037885	3 Mulvaney Cres	Henderson	N/A	L1	437	Foreign Object	0	No	No	Yes
6/01/2019	14859785	10077908	56 Kervil Ave	Te Atatu Peninsula	N/A	L1	239	Fat	0	No	No	Yes
7/01/2019	14860150	10041414	15 Dellwood Ave	Henderson	N/A	L1	143	Fat	0	No	No	Yes
7/01/2019	14860391	10049956	29 Carillon Pl	Massey	N/A	L1	132	Foreign Object	0	No	No	Yes
9/01/2019	14866427	.	27 Jadewynn Dr	Massey	1	L2	511	Broken pipe	0	No	No	Yes
12/01/2019	14874899	10041749	8 Jubaea Pl	Henderson	N/A	L1	237	Roots	0	No	No	Yes
13/01/2019	14875591	10083810	34 Gallony Ave	Massey	N/A	L1	107	Unknown	0	No	No	Yes
14/01/2019	14877683	10046851	2 Chamberlain Rd	Massey	N/A	L1	190	Unknown	11	No	No	Yes
14/01/2019	14878276	10077617	126 Taikata Rd	Te Atatu Peninsula	N/A	L1	139	Rubbish	11	No	No	Yes
15/01/2019	14880641	10048483	148B Don Buck Rd	Massey	N/A	L1	764	Foreign Object	0.5	No	No	Yes
15/01/2019	14880665	10048230	Swanson Rd	Henderson	N/A	L1	239	Fat	0.5	No	No	Yes
15/01/2019	14881499	10317531	89 Royal Rd	Massey	N/A	L1	300	Foreign Object	0.5	No	No	Yes
16/01/2019	14882590	10043028	151B Don Buck Rd	Massey	N/A	L1	249	Fat	0	No	No	Yes
19/01/2019	14891428	10013003	16 Highland Ave	Titirangi	N/A	L1	85	Rubbish	0	No	No	Yes
19/01/2019	14891570	51136544	24 Manutewhau Rd	Massey	N/A	L1	151	3rd party damage	0	No	No	Yes
20/01/2019	14892441	10021745	151B Don Buck Rd	Massey	N/A	L1	360	Unknown	1	No	No	Yes
20/01/2019	14892546	10083179	12 Cyclarama Cres	Massey	N/A	L1	290	Roots	1	No	No	Yes
21/01/2019	14894400	10029527	91 Moire Rd	Massey	N/A	L1	161	Roots	0	No	No	Yes
21/01/2019	14894488	10041325	16 Keeling Rd	Henderson	N/A	L1	688	Fat	0	No	No	Yes
21/01/2019	14896056	10370877	6 Parkridge Way	Henderson	N/A	L1	340	Roots	0	No	No	Yes
22/01/2019	14897582	10017037	179 Henderson Valley Rd	Henderson	N/A	L1	220	Unknown	0	No	No	Yes
24/01/2019	14904693	10041351	1/44 Keeling Rd	Henderson	N/A	L1	282	Rubbish	3.5	No	No	Yes
25/01/2019	14906335	11034689	17 Aldern Rd	Massey	-	L2	288	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/01/2019	14907764	10048495	153 Don Buck Rd	Massey	N/A	L1	513	Rags	0	No	No	Yes
26/01/2019	14908791	10048495	9 Lowell Pl	Massey	N/A	L1	220	Foreign Object	0	No	No	Yes
26/01/2019	14909377	10043127	31 Alidade Pl	Massey	N/A	L1	139	Silts	0	No	No	Yes
30/01/2019	14915578	10044680	3 Porter Ave	Te Atatu South	N/A	L1	77	Unknown	0	No	No	Yes
31/01/2019	14920597	10020201	15 Epping Rd	Henderson	N/A	L1	103	Unknown	0	No	No	Yes
4/02/2019	14926810	10031096	276 Triangle Rd	Massey	-	L2	292	Silts	0	No	No	Yes
5/02/2019	14929195	10007611	1/31 Huruhuru Rd	Massey	N/A	L1	145	Unknown	0	No	No	Yes
5/02/2019	14929401	10047582	6 Bahari Dr	Ranui	N/A	L1	247	Fat	0	No	No	Yes
5/02/2019	14930571	10050123	46 Clover Dr	Massey	N/A	L1	205	Unknown	0	No	No	Yes
6/02/2019	14932919	10047030	2 Sabot Pl	Massey	N/A	L1	204	Roots	0	No	No	Yes
8/02/2019	14937794	15109114	17/55A Swanson Rd	Henderson	N/A	L1	213	Unknown	0	No	No	Yes
11/02/2019	14942725	10041411	18 Dellwood Ave	Henderson	N/A	L1	342	Roots	0	No	No	Yes
11/02/2019	14942796	10039817	377 West Coast Rd	Glen Eden	N/A	L1	196	Rubbish	0	No	No	Yes
12/02/2019	14946114	10068863	16 Meynell Crt	Glen Eden	N/A	L1	178	Roots	0	No	No	Yes
12/02/2019	14947990	10046252	1/486 Don Buck Rd	Massey	N/A	L1	125	Fat	0	No	No	Yes
15/02/2019	14956146	10068166	1/1 Farwood Dr	Henderson	N/A	L1	152	Foreign Object	0	No	No	Yes
17/02/2019	14958773	10043971	56 Kervil Ave	Te Atatu Peninsula	N/A	L1	109	Rubbish	0	No	No	Yes
17/02/2019	14958912	10036283	325- Glengarry Rd	Glen Eden	N/A	L1	224	Roots	0	No	No	Yes
17/02/2019	14958970	10045504	10 Ballial Pl	West Harbour	N/A	L1	248	Unknown	0	No	No	Yes
17/02/2019	14959097	10036312	5A Danube Lane	Glen Eden	-	L2	264	Fat	0	No	No	Yes
18/02/2019	14960861	10043202	38 Sunline Ave	Massey	N/A	L1	207	Roots	0	No	No	Yes
20/02/2019	14967395	10317531	15A Preston Ave	Henderson	N/A	L1	151	Fat	2.5	No	No	Yes
20/02/2019	14968006	10046383	29 Glenfinn Pl	Massey	N/A	L1	361	Roots	2.5	No	No	Yes
21/02/2019	14971603	10067903	3/26 Forest Hill Rd	Henderson	N/A	L1	175	Fat	0	No	No	Yes
23/02/2019	14976408	10045493	2/51 Holmes Dr-S	Massey	N/A	L1	143	Fat	5	No	No	Yes
24/02/2019	14976692	10030352	1/15 Adriatic Ave	Henderson	N/A	L1	128	Fat	3.5	No	No	Yes
25/02/2019	14980477	10022254	13 Preston Ave	Henderson	N/A	L1	1364	3rd party damage	0	No	No	Yes
27/02/2019	14986238	10043548	367 Triangle Rd	Henderson	N/A	L1	401	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/03/2019	14995069	10021393	144- Triangle Rd	Massey	6	L3	90	Fat	0	Yes	Yes	Yes
4/03/2019	14996866	10045319	27 Jadewynn Dr	Massey	-	L3	283	Broken pipe	0	Yes	Yes	Yes
4/03/2019	14996987	10043034	17 Aldern Rd	Massey	-	L2	282	Foreign Object	0	No	No	Yes
4/03/2019	14997633	10024929	13 Justin Pl	Te Atatu Peninsula	N/A	L1	100	Fat	0	No	No	Yes
5/03/2019	14998612	10017210	Starforth Pl	Henderson	N/A	L1	114	Roots	0	No	No	Yes
5/03/2019	14999012	15092793	Bruce McLaren Rd	Henderson	N/A	L1	149	Roots	0	No	No	Yes
7/03/2019	15006591	10046706	230 Don Buck Rd	Massey	N/A	L1	142	Unknown	4	No	No	Yes
7/03/2019	15008089	10043040	17 Alidade Pl	Massey	N/A	L1	51	Unknown	4	No	No	Yes
8/03/2019	15009380	10046708	210 Don Buck Rd	Massey	N/A	L1	146	Unknown	22	No	No	Yes
8/03/2019	15009575	10018122	4206 Great North Rd	Glendene	N/A	L1	164	Unknown	22	No	No	Yes
8/03/2019	15010382	51217598	Mcwhirters Farm Lane	Massey	N/A	L1	239	Foreign Object	22	No	No	Yes
10/03/2019	15013658	11012308	4/42 Paramount Dr	Henderson	N/A	L1	185	Fat	0	No	No	Yes
11/03/2019	15016123	15037885	3 Mulvaney Cres	Henderson	N/A	L1	41	Fat	0	No	No	Yes
11/03/2019	15016886	10030930	45 Cedar Heights Ave	Massey	N/A	L1	83	Roots	0	No	No	Yes
12/03/2019	15017526	10325313	20 Cinnabar Pl	Massey	N/A	L1	77	Roots	0	No	No	Yes
12/03/2019	15017606	10042681	2/24 Cedar Heights Ave	Massey	N/A	L1	200	Roots	0	No	No	Yes
12/03/2019	15019606	10020019	42 Keeling Rd	Henderson	N/A	L1	52	Unknown	0	No	No	Yes
13/03/2019	15022227	10047626	141 Metcalfe Rd	Ranui	N/A	L1	41	Rubbish	0	No	No	Yes
14/03/2019	15023944	10041742	1/109 Vodanovich Rd	Te Atatu South	N/A	L1	165	Fat	0	No	No	Yes
14/03/2019	15024742	10043065	37 Aldern Rd	Massey	N/A	L1	232	Fat	0	No	No	Yes
14/03/2019	15026150	10048880	99 Oreil Ave	West Harbour	3	L2	241	Broken pipe	0	No	No	Yes
15/03/2019	15027717	10049422	15 Xena Way	Henderson	6	L3	294	Fat	0	Yes	Yes	Yes
15/03/2019	15027851	10041203	4 Wadier Pl	Henderson	N/A	L1	176	Fat	0	No	No	Yes
19/03/2019	15036021	15037190	140 Edmonton Rd	Te Atatu South	N/A	L1	203	Fat	0	No	No	Yes
19/03/2019	15037502	10030464	2/45 Blacklock Ave	Henderson	N/A	L1	145	Roots	0	No	No	Yes
20/03/2019	15038745	10320628	20 Semillon Ave	Henderson	N/A	L1	102	Broken pipe	0	No	No	Yes
21/03/2019	15043945	10021846	64 Chorley Ave	Massey	0.25	L2	240	Unknown	0	No	No	Yes
24/03/2019	15048736	10048282	69 Mcleod Rd	Te Atatu South	N/A	L1	269	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/03/2019	15049666	10017559	16 Aetna Pl	Henderson	0.5	L2	137	Unknown	0	No	No	Yes
25/03/2019	15052025	10026435	7 Duxfield Dr	Ranui	1	L2	107	Unknown	0	No	No	Yes
25/03/2019	15052334	10047624	89 Metcalfe Rd	Ranui	0.25	L2	374	Fat	0	No	No	Yes
26/03/2019	15053352	10016323	21 Kopiko Rd	Titirangi	N/A	L1	126	Unknown	0	No	No	Yes
26/03/2019	15055584	10046760	76 Urlich Dr	Ranui	N/A	L1	163	Unknown	0	No	No	Yes
27/03/2019	15056592	10021206	30 Reynella Dr	Massey	6	L3	297	Rags	0	Yes	Yes	Yes
30/03/2019	15065980	10043654	194 Rathgar Rd	Henderson	N/A	L1	51	Fat	1	No	No	Yes
31/03/2019	15066623	10044641	30 Royal View Rd	Te Atatu South	N/A	L1	74	Foreign Object	2.5	No	No	Yes
1/04/2019	15068526	10043065	37 Aldern Rd	Massey	N/A	L1	174	Roots	38	No	No	Yes
4/04/2019	15079847	10044226	571 Te Atatu Rd	Te Atatu Peninsula	N/A	L1	132	Fat	2	No	No	Yes
4/04/2019	15079868	10036502	101 Rosier Rd	Glen Eden	N/A	L1	130	Unknown	2	No	No	Yes
4/04/2019	15080119	10037349	2/5A Konini Rd	Titirangi	N/A	L1	173	Fat	2	No	No	Yes
5/04/2019	15082076	15032062	18 Elder Pl	Massey	6	L3	261	Fat	1	Yes	Yes	Yes
5/04/2019	15082490	11013626	84 View Rd	Henderson	N/A	L1	151	Roots	1	No	No	Yes
6/04/2019	15083765	10022969	571 Te Atatu Rd	Te Atatu Peninsula	N/A	L1	171	Fat	6.5	No	No	Yes
7/04/2019	15085341	10017441	12 Albany Hwy	Albany	N/A	L1	269	Roots	0.5	No	No	Yes
8/04/2019	15086778	10043574	158- Central Park Dr	Henderson	N/A	L1	128	Fat	0.5	No	No	Yes
9/04/2019	15091176	10022968	571 Te Atatu Rd	Te Atatu Peninsula	N/A	L1	85	Fat	0	No	No	Yes
11/04/2019	15096935	10042613	82 Triangle Rd	Massey	N/A	L1	106	Fat	3.5	No	No	Yes
11/04/2019	15097116	10047643	67D Metcalfe Rd	Ranui	N/A	L1	59	Rags	3.5	No	No	Yes
15/04/2019	15105932	10029621	1/22 Spargo Rd	Massey	N/A	L1	156	Fat	0	No	No	Yes
15/04/2019	15107688	10016222	11B Longfellow Pde	Titirangi	N/A	L1	194	Roots	0	No	No	Yes
15/04/2019	15108026	10028858	1/234 Triangle Rd	Massey	N/A	L1	216	Unknown	0	No	No	Yes
16/04/2019	15111487	10040095	24 Kereru St	Henderson	N/A	L1	249	Fat	0	No	No	Yes
19/04/2019	15119613	10043347	330 Swanson Rd	Ranui	N/A	L1	195	Fat	0	No	No	Yes
21/04/2019	15121186	10029290	18 Hanui Pl	Massey	N/A	L1	78	Roots	0.5	No	No	Yes
22/04/2019	15121490	10044642	27 Paton Ave	Te Atatu South	N/A	L1	156	Unknown	13.5	No	No	Yes
23/04/2019	15124108	10050282	7 Riverstone Rd	Te Atatu Peninsula	N/A	L1	56	Fat	1	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/04/2019	15133703	10018084	50A Awaroa Rd	Sunnyvale	N/A	L1	234	Roots	10	No	No	Yes
2/05/2019	15146113	10453268	297 West Coast Rd	Glen Eden	N/A	L1	161	Silts	0	No	No	Yes
4/05/2019	15151117	10048766	9 Pankhurst Pl	Sunnyvale	N/A	L1	238	Roots	0	No	No	Yes
4/05/2019	15151984	10064050	18 Adam Sunde Pl	Glen Eden	N/A	L1	75	Roots	0	No	No	Yes
6/05/2019	15155000	10018151	6 Choice Ave	Henderson	N/A	L1	95	Roots	0	No	No	Yes
9/05/2019	15166185	10243778	50A Awaroa Rd	Sunnyvale	3	L2	289	Roots	0	No	No	Yes
9/05/2019	15168104	10041351	6 Rupeke Pl	Henderson	N/A	L1	161	Fat	0	No	No	Yes
10/05/2019	15170307	10044291	Central Park Dr	Henderson	N/A	L1	105	Rubbish	3.5	No	No	Yes
14/05/2019	15180284	10046364	390 Don Buck Rd	Massey	N/A	L1	176	Unknown	0	No	No	Yes
14/05/2019	15180306	10023023	6 Tony St	Henderson	N/A	L1	232	Foreign Object	0	No	No	Yes
14/05/2019	15181577	10037349	2/5A Konini Rd	Titirangi	N/A	L1	150	Fat	0	No	No	Yes
16/05/2019	15188613	10048264	111 Metcalfe Rd	Ranui	N/A	L1	148	Fat	3.5	No	No	Yes
17/05/2019	15192616	10019966	411 Great North Rd	Henderson	N/A	L1	213	Fat	3.5	No	No	Yes
17/05/2019	15192828	10042695	144- Triangle Rd	Massey	N/A	L1	105	Unknown	3.5	No	No	Yes
19/05/2019	15194218	10015225	1/5 Matama Rd	Glen Eden	N/A	L1	209	Unknown	4.5	No	No	Yes
21/05/2019	15199927	51223611	38 Coburg St	Henderson	N/A	L1	227	Foreign Object	0	No	No	Yes
22/05/2019	15202213	10042694	144- Triangle Rd	Massey	N/A	L1	137	Fat	1.5	No	No	Yes
23/05/2019	15205010	11034758	44 Titoki St	Te Atatu Peninsula	N/A	L1	238	Unknown	1.5	No	No	Yes
23/05/2019	15205946	10428328	27 Jadewynn Dr	Massey	N/A	L1	189	Broken pipe	1.5	No	No	Yes
23/05/2019	15207547	10039527	114 View Rd	Sunnyvale	N/A	L1	426	Fat	1.5	No	No	Yes
25/05/2019	15211339	10043963	85 Kervil Ave	Te Atatu Peninsula	N/A	L1	574	3rd party damage	0	No	No	Yes
26/05/2019	15212429	10037529	231 Konini Rd	Titirangi	-	L2	139	Broken pipe	0	No	No	Yes
27/05/2019	15215906	10030905	10 Cedar Heights Ave	Massey	N/A	L1	30	Fat	0.5	No	No	Yes
28/05/2019	15216836	10043705	Lincoln Rd	Henderson	N/A	L1	275	3rd Party Damage	9	No	No	Yes
28/05/2019	15217410	10022972	591 Te Atatu Rd	Te Atatu Peninsula	N/A	L1	261	Unknown	9	No	No	Yes
28/05/2019	15218534	10325006	6 Kona Cres	Henderson	N/A	L1	73	Fat	9	No	No	Yes
29/05/2019	15221627	10325752	7 Parkridge Way	Henderson	N/A	L1	116	Fat	0.5	No	No	Yes
30/05/2019	15224513	10044641	30 Royal View Rd	Te Atatu South	N/A	L1	180	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
30/05/2019	15225709	10041281	6 Henderson Valley Rd	Henderson	N/A	L1	95	Fat	0	No	No	Yes
31/05/2019	15227601	11006985	20 Gala Pl	Henderson	N/A	L1	139	Fat	10	No	No	Yes
31/05/2019	15228012	10444936	145 West Coast Rd	Glen Eden	N/A	L1	198	Fat	10	No	No	Yes
31/05/2019	15228496	10027716	146 Pooks Rd	Ranui	N/A	L1	173	Unknown	10	No	No	Yes
31/05/2019	15229178	10015052	18 Pisces Rd	Glen Eden	N/A	L1	55	Surcharging	10	No	No	Yes
1/06/2019	15229678	10036447	1/36 Autumn Ave	Glen Eden	-	L2	284	Fat	4.5	No	No	Yes
1/06/2019	15229825	10321054	153 Henderson Valley Rd	Henderson	N/A	L1	85	Surcharging	4.5	No	No	Yes
1/06/2019	15229873	10047646	12 Afton Pl	Ranui	N/A	L1	108	Unknown	4.5	No	No	Yes
3/06/2019	15231416	10243762	54 Borich Rd	Sunnyvale	-	L2	65	Fat	1.5	No	No	Yes
4/06/2019	15232891	10043578	325 Lincoln Rd	Henderson	N/A	L1	567	Fat	0	No	No	Yes
4/06/2019	15233374	10030955	3 Hanui Pl	Massey	N/A	L1	201	Roots	0	No	No	Yes
4/06/2019	15233754	10022275	156 Central Park Dr	Henderson	N/A	L1	262	Unknown	0	No	No	Yes
6/06/2019	15239075	15103224	Trading Pl	Henderson	N/A	L1	152	Rubbish	4	No	No	Yes
6/06/2019	15239920	10022771	556- Te Atatu Rd	Te Atatu Peninsula	N/A	L1	280	Fat	4	No	No	Yes
9/06/2019	15246205	10022130	12B Harrington Rd	Henderson	N/A	L1	332	Unknown	0	No	No	Yes
10/06/2019	15248914	10049000	20 Murillo Pl	Henderson	N/A	L1	318	Fat	0	No	No	Yes
11/06/2019	15251769	10015151	114A Rosier Rd	Glen Eden	N/A	L1	380	Roots	0	No	No	Yes
11/06/2019	15252411	10422686	1/36 Millbrook Rd	Henderson	N/A	L1	222	Roots	0	No	No	Yes
13/06/2019	15259264	10007882	12 Ebony Pl	Massey	N/A	L1	248	Fat	0.5	No	No	Yes
14/06/2019	15260627	10021397	1/234 Triangle Rd	Massey	N/A	L1	207	Unknown	0.5	No	No	Yes
14/06/2019	15261337	10015067	17 Hydra Pl	Glen Eden	N/A	L1	153	Roots	0.5	No	No	Yes
14/06/2019	15262395	10077588	41 Noall St	Te Atatu Peninsula	N/A	L1	111	Roots	0.5	No	No	Yes
17/06/2019	15267276	10047371	524 Swanson Rd	Ranui	-	L2	68	Fat	3.5	No	No	Yes
20/06/2019	15275653	10021638	26 Sari Pl	Massey	N/A	L1	221	Fat	8	No	No	Yes
20/06/2019	15277469	10041538	13 Epping Rd	Henderson	N/A	L1	98	Rags	8	No	No	Yes
25/06/2019	15289238	10022395	203 Lincoln Rd	Henderson	N/A	L1	201	Fat	0.5	No	No	Yes
25/06/2019	15289524	10067250	129 Henderson Valley Rd	Henderson	N/A	L1	143	Unknown	0.5	No	No	Yes
27/06/2019	15293646	10042645	30 Reynella Dr	Massey	■	L3	0	Fat	0	Yes	Yes	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/06/2019	15299103	10019522	86A Sturges Rd	Henderson	N/A	L1	248	Fat	0	No	No	Yes
28/06/2019	15299155	10039251	2 Meynell Crt	Glen Eden	N/A	L1	123	Roots	0	No	No	Yes
29/06/2019	15301500	10025843	2/41 Don Buck Rd	Massey	N/A	L1	240	Fat	0	No	No	Yes
30/06/2019	15302794	10452991	142 Metcalfe Rd	Ranui	N/A	L1	208	Fat	0	No	No	Yes

Table 18: Overflows in the Whau River Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14404283	10020712	14 Merchant Ave	Te Atatu South	N/A	L1	171	Roots	3.4	No	No	Yes
5/07/2018	14415613	10042020	14 Merchant Ave	Te Atatu South	N/A	L1	560	Fat	0	No	No	Yes
9/07/2018	14421385	10034991	147 Golf Rd	New Lynn	N/A	L1	170	Rubbish	3.4	No	No	Yes
13/07/2018	14432869	8977625	33 Francis Curtis Ave	Blockhouse Bay	N/A	L1	76	Rubbish	0	No	No	Yes
13/07/2018	14433314	10042123	37 Bodi Pl	Te Atatu South	N/A	L1	185	Roots	0	No	No	Yes
15/07/2018	14435413	10042237	32 Glynnbrooke St	Te Atatu South	N/A	L1	357	Surcharging	62.4	No	No	Yes
15/07/2018	14435418	10452954	12A Kuaka Pl	New Lynn	N/A	L1	99	Surcharging	62.4	No	No	Yes
15/07/2018	14435420	15140380	1/42 Hutchinson Ave	New Lynn	N/A	L1	624	Surcharging	62.4	No	No	Yes
15/07/2018	14435815	10035680	58A Lantana Rd	Green Bay	N/A	L1	224	Rubbish	62.4	No	No	Yes
15/07/2018	14435924	10035159	2/132 Golf Rd	New Lynn	-	L2	321	Rubbish	62.4	No	No	Yes
16/07/2018	14437372	10010849	3/36 Copley St	New Lynn	N/A	L1	96	Surcharging	2.2	No	No	Yes
16/07/2018	14438381	8965206	1/30 Avondale Rd	Avondale	N/A	L1	89	Unknown	2.2	No	No	Yes
17/07/2018	14440788	8964779	Rt/45 Tony Segedin Dr	Avondale	N/A	L1	76	Foreign Object	1	No	No	Yes
17/07/2018	14441179	15095044	38 Willerton Ave	New Lynn	N/A	L1	167	Foreign Object	1	No	No	Yes
18/07/2018	14443249	10032074	84 Butterworth Dr	Glendene	N/A	L1	262	Unknown	1.2	No	No	Yes
19/07/2018	14447895	9224206	25 Patiki Rd	Avondale	N/A	L1	177	Unknown	1	No	No	Yes
21/07/2018	14451978	10038283	239 Hepburn Rd	Glendene	N/A	L1	435	Unknown	0	No	No	Yes
22/07/2018	14452813	10035731	12 Avonleigh Rd	Green Bay	N/A	L1	385	Fat	8.8	No	No	Yes
26/07/2018	14465387	15093622	24 Finlow Dr	Te Atatu South	N/A	L1	116	Unknown	0	No	No	Yes
5/08/2018	14489982	8964687	98 Canal Rd	Avondale	N/A	L1	113	Rubbish	0.8	No	No	Yes
5/08/2018	14490054	10012242	17 Kirby St	Glendene	N/A	L1	218	Rags	0.8	No	No	Yes
8/08/2018	14500114	15095046	60 Seabrook Ave	New Lynn	-	L2	1145	Roots	7.6	No	No	Yes
9/08/2018	14501925	8964017	2 Te Wiata Pl	Avondale	N/A	L1	262	Unknown	0.6	No	No	Yes
10/08/2018	14505114	10035955	1 Hill Cres	New Lynn	N/A	L1	1200	Fat	0.2	No	No	Yes
11/08/2018	14506546	10049269	28 Miro St	New Lynn	N/A	L1	163	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/08/2018	14508145	8787723	127 Ash St	Avondale	N/A	L1	182	Unknown	13.8	No	No	Yes
13/08/2018	14510373	10035837	18 Hinau St	New Lynn	N/A	L1	264	Fat	13.8	No	No	Yes
15/08/2018	14516321	8965838	44 Patiki Rd	Avondale	■	L3	110	Unknown	4	Yes	Yes	Yes
20/08/2018	14525021	9010339	24 Kenley Pl	Avondale	■	L3	138	Rubbish	4.2	Yes	Yes	Yes
20/08/2018	14527683	11016652	8 Hugh Brown Dr	New Lynn	N/A	L1	1043	3rd party damage	4.2	No	No	Yes
20/08/2018	14527719	10034110	24 Meilland Pl	Glen Eden	N/A	L1	249	Foreign Object	4.2	No	No	Yes
22/08/2018	14531915	10014492	10 Golf Rd	New Lynn	N/A	L1	217	Unknown	19.8	No	No	Yes
22/08/2018	14531933	10034004	6 Akatea Rd	Glendene	N/A	L1	119	Fat	19.8	No	No	Yes
22/08/2018	14533400	15139337	31 Kohekohe St	New Lynn	N/A	L1	411	Surcharging	19.8	No	No	Yes
23/08/2018	14536389	8964017	2 Te Wiata Pl	Avondale	N/A	L1	208	Fat	6	No	No	Yes
24/08/2018	14539711	8965428	37 Maple St	Avondale	N/A	L1	91	Rags	2	No	No	Yes
28/08/2018	14546664	10073852	34 Lyndhurst Rd	Te Atatu South	N/A	L1	107	Unknown	0	No	No	Yes
29/08/2018	14549130	10049270	26 Miro St	New Lynn	N/A	L1	71	Fat	17.6	No	No	Yes
3/09/2018	14559116	10048207	31 Kohekohe St	New Lynn	N/A	L1	580	Broken pipe	2.4	No	No	Yes
3/09/2018	14560081	15140378	1/35 Hutchinson Ave	New Lynn	N/A	L1	103	Surcharging	2.4	No	No	Yes
3/09/2018	14561349	10042019	34 Lyndhurst Rd	Te Atatu South	N/A	L1	229	Unknown	2.4	No	No	Yes
11/09/2018	14581623	8965478	402 Rosebank Rd	Avondale	N/A	L1	199	Roots	0.2	No	No	Yes
11/09/2018	14582039	8965269	4 Mead St	Avondale	N/A	L1	180	Rubbish	0.2	No	No	Yes
14/09/2018	14591367	10033182	1/19 Gardner Ave	New Lynn	N/A	L1	163	Roots	0	No	No	Yes
16/09/2018	14592776	8978018	74 Kinross St	Blockhouse Bay	N/A	L1	43	Roots	0	No	No	Yes
17/09/2018	14596023	10033182	1/19 Gardner Ave	New Lynn	N/A	L1	423	Unknown	3.8	No	No	Yes
20/09/2018	14604085	10044731	1/7 Alwyn Ave	Te Atatu South	N/A	L1	129	Unknown	0	No	No	Yes
25/09/2018	14614404	10035916	31 Akehurst Ave	New Lynn	N/A	L1	166	Unknown	5.2	No	No	Yes
3/10/2018	14636019	8798895	45 Francis Curtis Ave	Blockhouse Bay	N/A	L1	88	Roots	0	No	No	Yes
5/10/2018	14641617	8964716	145 Ash St	Avondale	N/A	L1	175	Rubbish	0	No	No	Yes
8/10/2018	14647859	10048263	1/3 Butterworth Dr	Glendene	N/A	L1	248	Fat	0	No	No	Yes
9/10/2018	14652051	10034779	64 Seabrook Ave	New Lynn	4	L1	762	Foreign Object	0	No	No	Yes
9/10/2018	14652286	9007170	3/209 Taylor St	Blockhouse Bay	N/A	L1	287	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
10/10/2018	14654615	10035672	45 Lantana Rd	Green Bay	3	L1	566	Fat	1	No	No	Yes
11/10/2018	14656646	8965206	1/30 Avondale Rd	Avondale	N/A	L1	90	Unknown	13.4	No	No	Yes
12/10/2018	14661109	10048512	24 Stottholm Rd	Titirangi	N/A	L1	728	Roots	7.2	No	No	Yes
14/10/2018	14663927	10011626	1/19 Gardner Ave	New Lynn	N/A	L1	127	Unknown	0.2	No	No	Yes
15/10/2018	14665136	10012831	40A Tomo St	New Lynn	N/A	L1	187	Rubbish	0	No	No	Yes
15/10/2018	14666679	11031052	58A Fairmount Rd	Titirangi	N/A	L1	1138	Unknown	0	No	No	Yes
16/10/2018	14668909	10014394	31 Akehurst Ave	New Lynn	N/A	L1	149	Unknown	0	No	No	Yes
16/10/2018	14670086	10032077	10 Blythe Pl	Glendene	N/A	L1	88	Fat	0	No	No	Yes
20/10/2018	14682681	10032435	41 Koromiko St	New Lynn	N/A	L1	105	Unknown	0	No	No	Yes
21/10/2018	14683236	10042019	34 Lyndhurst Rd	Te Atatu South	0.25	L2	167	Unknown	0	No	No	Yes
21/10/2018	14683465	10032435	2/39 Koromiko St	New Lynn	N/A	L1	160	Roots	0	No	No	Yes
22/10/2018	14684108	10243871	134 Godley Rd	Green Bay	6	L2	138	Rags	0	No	No	Yes
24/10/2018	14689438	9010326	2180 Great North Rd	Avondale	N/A	L1	53	Fat	0	No	No	Yes
27/10/2018	14699656	10012323	11 Butterworth Dr	Glendene	N/A	L1	220	Fat	13.4	No	No	Yes
28/10/2018	14700393	10020930	32 Glynnbrooke St	Te Atatu South	N/A	L1	103	Roots	1.4	No	No	Yes
30/10/2018	14705938	10009624	1/7 Juneau Pl	Glendene	N/A	L1	84	Fat	12.6	No	No	Yes
30/10/2018	14707676	8965293	1/61 Avondale Rd	Avondale	N/A	L1	101	Rags	12.6	No	No	Yes
30/10/2018	14708292	10032435	2/39 Koromiko St	New Lynn	N/A	L1	383	Roots	12.6	No	No	Yes
31/10/2018	14709942	10032435	2/39 Koromiko St	New Lynn	N/A	L1	326	Roots	1.6	No	No	Yes
31/10/2018	14710159	50051725	2/119 Portage Rd	New Lynn	N/A	L1	71	Fat	1.6	No	No	Yes
31/10/2018	14711795	10012074	1/7 Juneau Pl	Glendene	N/A	L1	1309	Fat	1.6	No	No	Yes
2/11/2018	14717438	8799139	2/19 Mitchell St	Blockhouse Bay	N/A	L1	197	Unknown	0	No	No	Yes
6/11/2018	14725745	15098113	46 Tahi Tce	Glen Eden	N/A	L1	402	Fat	0	No	No	Yes
7/11/2018	14728816	10033345	12 Margan Ave	New Lynn	N/A	L1	224	Roots	0	No	No	Yes
10/11/2018	14737938	8977881	26 Kinross St	Blockhouse Bay	N/A	L1	777	Broken pipe	0.6	No	No	Yes
12/11/2018	14739680	8977882	26 Kinross St	Blockhouse Bay	N/A	L1	1405	Broken pipe	2.4	No	No	Yes
13/11/2018	14744861	10034071	6A Sarona Ave	Glen Eden	6	L3	710	Fat	0.2	Yes	Yes	Yes
15/11/2018	14749673	10035714	85 Cliff View Dr	Green Bay	N/A	L1	102	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/11/2018	14751634	8965428	37 Maple St	Avondale	N/A	L1	90	Fat	0	No	No	Yes
16/11/2018	14753123	10014205	14 Avonleigh Rd	Green Bay	1	L2	174	Unknown	0	No	No	Yes
19/11/2018	14759628	10033031	17 Rata St	New Lynn	N/A	L1	586	Unknown	2.2	No	No	Yes
21/11/2018	14764779	8965513	42B Maple St	Avondale	N/A	L1	131	Rubbish	14	No	No	Yes
22/11/2018	14769366	8978127	36 Busby St	Blockhouse Bay	N/A	L1	184	Roots	1.6	No	No	Yes
22/11/2018	14769590	10011888	41C Jaemont Ave	Te Atatu South	N/A	L1	125	Broken pipe	1.6	No	No	Yes
23/11/2018	14771123	8787394	9 Ash St	Avondale	N/A	L1	93	3rd party damage	0	No	No	Yes
23/11/2018	14772075	10042184	76 Roberts Rd	Te Atatu South	N/A	L1	240	Fat	0	No	No	Yes
24/11/2018	14772479	8799139	19 Mitchell St	Blockhouse Bay	N/A	L1	147	Roots	43.6	No	No	Yes
26/11/2018	14775212	10243870	134 Godley Rd	Green Bay	N/A	L1	138	Fat	3.2	No	No	Yes
26/11/2018	14775494	10014209	12 Avonleigh Rd	Green Bay	N/A	L1	113	Surcharging	3.2	No	No	Yes
30/11/2018	14789112	8965428	31 Maple St	Avondale	N/A	L1	12	Fat	0.4	No	No	Yes
30/11/2018	14789365	10048473	10 Coupland Crt	Glendene	N/A	L1	171	Foreign Object	0.4	No	No	Yes
3/12/2018	14792820	8978184	1 Falkirk St	Blockhouse Bay	N/A	L1	92	Surcharging	36.4	No	No	Yes
3/12/2018	14793218	10032420	36 Queen Mary Ave	New Lynn	0.25	L2	251	Rubbish	36.4	No	No	Yes
3/12/2018	14793303	10010903	39 Queen Mary Ave	New Lynn	-	L2	232	Rubbish	36.4	No	No	Yes
3/12/2018	14794252	8965838	40 Patiki Rd	Avondale	-	L2	124	Unknown	36.4	No	No	Yes
4/12/2018	14797111	10042064	40 Jaemont Ave	Te Atatu South	N/A	L1	130	Fat	9	No	No	Yes
7/12/2018	14806659	10014631	119 Bolton St	Blockhouse Bay	N/A	L1	266	Unknown	0	No	No	Yes
8/12/2018	14807355	10036059	144 Astley Ave	New Lynn	N/A	L1	1309	3rd Party Damage	0	No	No	Yes
8/12/2018	14807892	10033207	9/19 Gardner Ave	New Lynn	N/A	L1	253	Roots	0	No	No	Yes
9/12/2018	14808612	8978184	1 Falkirk St	Blockhouse Bay	N/A	L1	827	Broken pipe	0	No	No	Yes
11/12/2018	14812713	8978311	2 Bellamy Pl	Blockhouse Bay	N/A	L1	179	Fat	0	No	No	Yes
13/12/2018	14820627	8965109	37 Taramea St	Avondale	N/A	L1	88	Fat	0	No	No	Yes
16/12/2018	14825220	10011135	54 West Coast Rd	Glen Eden	N/A	L1	172	Roots	0	No	No	Yes
18/12/2018	14831558	10035196	11 Arahoe Rd	New Lynn	N/A	L1	201	Fat	0	No	No	Yes
19/12/2018	14833916	10243871	134 Godley Rd	Green Bay	N/A	L1	135	Rags	10.6	No	No	Yes
20/12/2018	14837677	10029299	5B Tirimoana Rd	Te Atatu South	N/A	L1	125	Rubbish	24.2	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/12/2018	14842873	10034762	5 Armstrong Pl	New Lynn	N/A	L1	102	Surcharging	84.6	No	No	Yes
24/12/2018	14844147	10014209	12 Avonleigh Rd	Green Bay	N/A	L1	152	Surcharging	84.6	No	No	Yes
25/12/2018	14844713	10038308	83 Glen Marine Pde	Glendene	N/A	L1	384	Roots	22.4	No	No	Yes
26/12/2018	14845317	10011258	36 Northall Rd	New Lynn	0.25	L1	71	Surcharging	0.2	No	No	Yes
27/12/2018	14846208	10014683	46 Godley Rd	Green Bay	N/A	L1	117	Surcharging	0	No	No	Yes
27/12/2018	14846404	10034388	76 Pleasant Rd	Glen Eden	N/A	L1	255	Roots	0	No	No	Yes
30/12/2018	14850928	10009001	110A Mcleod Rd	Te Atatu South	N/A	L1	188	Unknown	0	No	No	Yes
2/01/2019	14853955	51147198	28 Miro St	New Lynn	N/A	L1	276	Unknown	0	No	No	Yes
3/01/2019	14855032	8965009	66 Eastdale Rd	Avondale	N/A	L1	109	Unknown	0.2	No	No	Yes
5/01/2019	14858840	10010593	84 Butterworth Dr	Glendene	N/A	L1	136	Unknown	0	No	No	Yes
8/01/2019	14862927	8964687	98 Canal Rd	Avondale	N/A	L1	658	Rags	0	No	No	Yes
8/01/2019	14863414	10012386	4171 Great North Rd	Glendene	N/A	L1	107	Roots	0	No	No	Yes
8/01/2019	14864878	8965518	22 Maple St	Avondale	N/A	L1	115	Unknown	0	No	No	Yes
10/01/2019	14870053	8964013	177 Riversdale Rd	Avondale	N/A	L1	91	Fat	0	No	No	Yes
10/01/2019	14870241	10013432	72 La Rosa St	Green Bay	N/A	L1	215	Unknown	0	No	No	Yes
10/01/2019	14871212	10032174	1/61 Beaubank Rd	Kelston	N/A	L1	128	Fat	0	No	No	Yes
11/01/2019	14873625	10033380	3 Totara Ave	New Lynn	N/A	L1	962	Unknown	2	No	No	Yes
14/01/2019	14878053	10032067	1/35 Sabulite Rd	Kelston	N/A	L1	133	Rubbish	14.2	No	No	Yes
15/01/2019	14880652	11031350	7/19 Gardner Ave	New Lynn	N/A	L1	119	Rags	8.6	No	No	Yes
16/01/2019	14884231	10032192	12 Alston Ave	Kelston	N/A	L1	189	Roots	0	No	No	Yes
17/01/2019	14885375	9224127	45 Avondale Rd	Avondale	N/A	L1	104	Silts	0	No	No	Yes
17/01/2019	14886786	10031994	11 Aronui Tce	Kelston	N/A	L1	69	Fat	0	No	No	Yes
17/01/2019	14887693	10030250	192 Mcleod Rd	Te Atatu South	N/A	L1	80	Fat	0	No	No	Yes
19/01/2019	14891746	10011626	1/19 Gardner Ave	New Lynn	2 at 100m	L2	333	Unknown	0	No	No	Yes
23/01/2019	14902170	8977939	22 Barton St	Blockhouse Bay	N/A	L1	1050	Rags	0	No	No	Yes
23/01/2019	14902296	10012502	12 Sarona Ave	Glen Eden	N/A	L2	493	Rags	0	No	No	Yes
24/01/2019	14903249	10013432	72 La Rosa St	Green Bay	N/A	L1	102	3rd party damage	5.2	No	No	Yes
25/01/2019	14906568	10049126	2 Rerewai Pl	Kelston	N/A	L1	110	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/01/2019	14912638	11010417	109 Archibald Rd	Kelston	N/A	L1	178	Fat	0	No	No	Yes
30/01/2019	14915476	8788536	47-51 Patiki Rd	Avondale	N/A	L1	581	Roots	0	No	No	Yes
30/01/2019	14916379	10027943	56 Rata St	New Lynn	N/A	L1	114	Unknown	0	No	No	Yes
2/02/2019	14924150	10035155	116 Golf Rd	New Lynn	N/A	L1	601	3rd party damage	0	No	No	Yes
5/02/2019	14929132	8978161	73 Wolverton St	Avondale	-	L3	440	Fat	0	Yes	Yes	Yes
5/02/2019	14931617	50095605	409- Rosebank Rd	Avondale	N/A	L1	149	Rubbish	0	No	No	Yes
8/02/2019	14936399	10049126	2 Rerewai Pl	Kelston	N/A	L1	297	Unknown	0	No	No	Yes
8/02/2019	14937566	8799023	Endeavour St	Blockhouse Bay	N/A	L1	81	Rags	0	No	No	Yes
9/02/2019	14939167	15093339	1/10 Pine St	New Lynn	N/A	L1	277	Unknown	0.4	No	No	Yes
11/02/2019	14942342	10052630	Ew/129 Tirimoana Rd	Te Atatu South	N/A	L1	130	Rags	0	No	No	Yes
13/02/2019	14949912	10013635	122 Golf Rd	New Lynn	N/A	L1	31	Broken pipe	0	No	No	Yes
14/02/2019	14953288	10033806	34 Glendene Ave	Glendene	N/A	L1	261	Foreign Object	0	No	No	Yes
16/02/2019	14958459	10033928	3 Palmer Ave	Glen Eden	N/A	L1	245	Fat	0	No	No	Yes
17/02/2019	14958648	51147213	28 Miro St	New Lynn	N/A	L1	239	Fat	0	No	No	Yes
18/02/2019	14959952	10035342	34 Hilling St	Titirangi	-	L2	109	Fat	7	No	No	Yes
24/02/2019	14976908	11031468	3 Palmer Ave	Glen Eden	N/A	L1	142	Roots	3.6	No	No	Yes
25/02/2019	14979596	10032485	4026- Great North Rd	Glen Eden	N/A	L1	197	Fat	0	No	No	Yes
26/02/2019	14981916	50029104	29 Roberts Rd	Te Atatu South	N/A	L1	67	Rags	0	No	No	Yes
26/02/2019	14983267	8973668	24 Endeavour St	Blockhouse Bay	N/A	L1	183	Roots	0	No	No	Yes
28/02/2019	14988024	10032956	28 Miro St	Kelston	N/A	L1	210	Unknown	0.4	No	No	Yes
4/03/2019	14997956	10036193	62 Godley Rd	Green Bay	N/A	L1	209	Unknown	0	No	No	Yes
8/03/2019	15011067	11022627	1/24 Eastglen Rd	Glen Eden	N/A	L1	71	Rubbish	15.6	No	No	Yes
8/03/2019	15011110	10033926	3 Palmer Ave	Glen Eden	N/A	L1	219	Fat	15.6	No	No	Yes
9/03/2019	15012955	10032783	67 Fruitvale Rd	New Lynn	N/A	L1	276	Fat	17.2	No	No	Yes
10/03/2019	15013592	10042034	49 Jaemont Ave	Te Atatu South	N/A	L1	183	Fat	0	No	No	Yes
12/03/2019	15019085	10042035	51 Jaemont Ave	Te Atatu South	N/A	L1	300	Silts	0	No	No	Yes
12/03/2019	15019490	8964680	93 Ash St	Avondale	N/A	L1	106	Unknown	0	No	No	Yes
12/03/2019	15020176	10032082	1/53 Butterworth Dr	Glendene	N/A	L1	135	Rags	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/03/2019	15021124	10243761	19 Clayburn Rd	Glen Eden	N/A	L1	34	Rubbish	0	No	No	Yes
18/03/2019	15032804	10008031	1/45 Tirimoana Rd	Te Atatu South	N/A	L1	312	Unknown	3.6	No	No	Yes
19/03/2019	15035699	10044723	4 Braebank Lane	Te Atatu South	N/A	L1	103	Fat	0.2	No	No	Yes
19/03/2019	15037393	8977643	102 Lynbrooke Ave	Blockhouse Bay	N/A	L1	4	Rubbish	0.2	No	No	Yes
23/03/2019	15047681	10012792	223 Titirangi Rd	Titirangi	N/A	L1	287	Fat	0	No	No	Yes
23/03/2019	15047936	10032485	4026- Great North Rd	Glen Eden	N/A	L1	332	Fat	0	No	No	Yes
25/03/2019	15051331	8978094	3 Swinburne St	Blockhouse Bay	N/A	L1	76	Fat	0	No	No	Yes
25/03/2019	15052409	9011340	401 Rosebank Rd	Avondale	N/A	L1	142	Broken pipe	0	No	No	Yes
25/03/2019	15052442	50051725	3 Palmer Ave	Glen Eden	N/A	L1	514	Unknown	0	No	No	Yes
27/03/2019	15057362	10033291	44 Rata St	New Lynn	N/A	L1	199	Foreign Object	0	No	No	Yes
31/03/2019	15066680	10034420	223 Titirangi Rd	Titirangi	N/A	L1	113	Unknown	0.2	No	No	Yes
31/03/2019	15066890	10033361	1/6 Ambrico Pl	New Lynn	N/A	L1	170	Roots	0.2	No	No	Yes
4/04/2019	15078262	10032032	19 Barbary Ave	Kelston	N/A	L1	179	Roots	0	No	No	Yes
7/04/2019	15085125	10034868	117 Titirangi Rd	New Lynn	N/A	L1	154	Fat	1	No	No	Yes
7/04/2019	15085132	10020852	14 Tiroroa Ave	Te Atatu South	N/A	L1	287	Roots	1	No	No	Yes
7/04/2019	15085772	10031975	18 Kiernan Pl	Kelston	N/A	L1	199	Unknown	1	No	No	Yes
8/04/2019	15088621	10317531	4 Alston Ave	Kelston	N/A	L1	93	Fat	0.4	No	No	Yes
17/04/2019	15112519	10452953	5A Queen Mary Ave	New Lynn	0.25	L2	120	Fat	0	No	No	Yes
21/04/2019	15121067	9224167	86-88 Ash St	Avondale	N/A	L1	62	Fat	0	No	No	Yes
22/04/2019	15121852	50025183	52 Astley Ave	New Lynn	N/A	L1	166	Fat	13	No	No	Yes
23/04/2019	15123275	10034420	223 Titirangi Rd	Titirangi	N/A	L1	95	Unknown	2	No	No	Yes
26/04/2019	15131351	10048532	3 Lex Ave	Green Bay	N/A	L1	223	Fat	0	No	No	Yes
3/05/2019	15150147	9224167	Ash St	Avondale	N/A	L1	103	Fat	0	No	No	Yes
4/05/2019	15151731	8977894	93 Taylor St	Blockhouse Bay	N/A	L1	76	Fat	0	No	No	Yes
4/05/2019	15152443	8964683	102 Ash St	Avondale	N/A	L1	164	Fat	0	No	No	Yes
6/05/2019	15156349	10008985	5/129 Tirimoana Rd	Te Atatu South	N/A	L1	61	Unknown	0	No	No	Yes
9/05/2019	15166750	10042019	34 Lyndhurst Rd	Te Atatu South	N/A	L1	208	Fat	0	No	No	Yes
13/05/2019	15178600	10033926	3 Palmer Ave	Glen Eden	N/A	L1	67	Fat	2	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
14/05/2019	15180762	8978094	3 Swinburne St	Blockhouse Bay	N/A	L1	186	Unknown	0.2	No	No	Yes
14/05/2019	15181589	10032885	56 Miro St	New Lynn	N/A	L1	128	Fat	0.2	No	No	Yes
14/05/2019	15181629	10033759	49A Hepburn Rd	Glendene	N/A	L1	142	Fat	0.2	No	No	Yes
15/05/2019	15182577	15030056	16 Kohekohe St	New Lynn	N/A	L1	124	Roots	4	No	No	Yes
19/05/2019	15194032	8964683	102 Ash St	Avondale	N/A	L1	161	Rubbish	4.2	No	No	Yes
23/05/2019	15207235	10324706	4/54 Nikau St	New Lynn	N/A	L1	109	Fat	0	No	No	Yes
23/05/2019	15207269	8964680	93 Ash St	Avondale	N/A	L1	137	Unknown	0	No	No	Yes
25/05/2019	15211023	15098122	54 Tahī Tce	Glen Eden	N/A	L1	186	Rags	0	No	No	Yes
26/05/2019	15212203	10032884	56 Miro St	New Lynn	N/A	L1	258	Roots	0	No	No	Yes
26/05/2019	15212551	10034404	27 Roland HI	Glen Eden	2	L2	467	Roots	0	No	No	Yes
27/05/2019	15215716	10034404	27 Roland HI	Glen Eden	N/A	L1	309	Roots	0	No	No	Yes
28/05/2019	15216875	10452953	5A Queen Mary Ave	New Lynn	N/A	L1	164	Fat	5.4	No	No	Yes
29/05/2019	15222173	10038314	82 Glen Marine Pde	Glendene	N/A	L1	115	Unknown	4.6	No	No	Yes
29/05/2019	15223469	8978005	6 Kay Dr	Blockhouse Bay	N/A	L1	55	Roots	4.6	No	No	Yes
5/06/2019	15235587	8977939	2/19 Mitchell St	Blockhouse Bay	N/A	L1	79	Broken pipe	14.8	No	No	Yes
6/06/2019	15239203	8977745	32 Donovan St	Blockhouse Bay	N/A	L1	67	Roots	1.6	No	No	Yes
8/06/2019	15244546	10011673	4/18 Reid Rd	New Lynn	N/A	L1	185	Unknown	1	No	No	Yes
10/06/2019	15247905	10032318	1/11 Alston Ave	Kelston	N/A	L1	73	Rubbish	0	No	No	Yes
15/06/2019	15263414	8977989	142B Paihia Rd	Onehunga	N/A	L1	111	Rags	3.4	No	No	Yes
15/06/2019	15263443	15116559	38 Palmer Ave	Glen Eden	N/A	L1	58	Roots	3.4	No	No	Yes
15/06/2019	15263472	8977989	72C Connaught St	Blockhouse Bay	N/A	L1	100	Rags	3.4	No	No	Yes
17/06/2019	15265705	10042575	41 Harmel Rd	Glendene	N/A	L1	215	Fat	2.8	No	No	Yes
17/06/2019	15265812	8799488	1 Falkirk St	Blockhouse Bay	N/A	L1	66	Rubbish	2.8	No	No	Yes
17/06/2019	15267665	8964992	105 Holly St	Avondale	N/A	L1	72	Fat	2.8	No	No	Yes
18/06/2019	15269558	10033692	3 Pakira Ave	Glendene	N/A	L1	111	Roots	0.6	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/06/2019	15276159	8964716	125 Ash St	Avondale	N/A	L1	341	Fat	3.6	No	No	Yes
20/06/2019	15276487	8965722	17-19 Timothy Pl	Avondale	N/A	L1	98	Fat	3.6	No	No	Yes
21/06/2019	15280591	10011874	3092 Great North Rd	New Lynn	N/A	L1	121	Silts	1.2	No	No	Yes
22/06/2019	15282595	10452953	5 Queen Mary Ave	New Lynn	N/A	L1	150	Fat	0.6	No	No	Yes
22/06/2019	15282612	10048082	3/8 Golf Rd	New Lynn	N/A	L1	186	Rags	0.6	No	No	Yes
23/06/2019	15283521	10058544	26 Miro St	New Lynn	N/A	L1	222	Rags	5.6	No	No	Yes
24/06/2019	15287360	10033722	135 Farquhar Rd	Glendene	■	L2	128	Roots	1.6	No	No	Yes
25/06/2019	15288794	10032318	1/11 Alston Ave	Kelston	N/A	L1	161	Fat	0	No	No	Yes
25/06/2019	15290553	9224151	105 Holly St	Avondale	N/A	L1	60	Fat	0	No	No	Yes
27/06/2019	15296703	10042062	48 Jaemont Ave	Te Atatu South	N/A	L1	184	Fat	0	No	No	Yes

Table 19: Overflows in the Laingholm Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14404122	10029018	80 Warner Park Ave	Laingholm	N/A	L1	114	Rags	3.4	No	No	Yes
27/08/2018	14543009	10028963	20 Western Rd	Laingholm	N/A	L1	776	Fat	0	No	No	Yes
28/08/2018	14546432	10031907	89 Kauri Point Rd	Laingholm	N/A	L1	582	Rags	0	No	No	Yes
8/09/2018	14573536	10010155	644 South Titirangi Rd	Titirangi	N/A	L1	632	Broken pipe	0	No	No	Yes
12/09/2018	14583170	10048414	644 South Titirangi Rd	Titirangi	N/A	L1	402	Broken Pipe	0	No	No	Yes
16/09/2018	14592546	10428159	105 Kauri Point Rd	Laingholm	N/A	L1	172	Fat	0	No	No	Yes
17/09/2018	14593666	10064214	140 Woodlands Park Rd	Titirangi	N/A	L1	464	Fat	3.8	No	No	Yes
18/09/2018	14599177	10029110	11 Laingfield Tce	Laingholm	N/A	L1	517	Fat	9.2	No	No	Yes
20/09/2018	14603322	10010229	1 Janet Pl	Laingholm	N/A	L1	88	Roots	0	No	No	Yes
20/09/2018	14603582	10028963	20 Western Rd	Laingholm	N/A	L1	545	Fat	0	No	No	Yes
2/10/2018	14631912	10009793	9 Wood Bay Rd	Titirangi	N/A	L1	112	Rubbish	6.2	No	No	Yes
6/10/2018	14643496	10009864	8 Aydon Rd	Titirangi	N/A	L1	351	Unknown	0	No	No	Yes
8/10/2018	14645446	10030703	8 Minnehaha Ave	Titirangi	N/A	L1	172	Roots	0	No	No	Yes
15/11/2018	14751282	10031375	83 Wood Bay Rd	Titirangi	N/A	L1	199	Unknown	0	No	No	Yes
17/11/2018	14755545	10029347	53 Tane Rd	Laingholm	N/A	L1	245	Fat	0	No	No	Yes
26/11/2018	14774391	10010184	Mcelandowney Rd	Titirangi	N/A	L1	382	Fat	3.2	No	No	Yes
13/12/2018	14820925	10010373	105 Kauri Point Rd	Laingholm	-	L2	288	Fat	0	No	No	Yes
21/12/2018	14840445	10370839	87 Wood Bay Rd	Titirangi	N/A	L1	242	Unknown	1.4	No	No	Yes
24/12/2018	14842862	10371225	133 Victory Rd	Laingholm	N/A	L1	47	Broken pipe	84.6	No	No	Yes
31/12/2018	14852351	10317531	39A Tane Rd	Laingholm	N/A	L1	69	Foreign Object	0	No	No	Yes
7/01/2019	14860977	10009864	7 Aydon Rd	Titirangi	N/A	L1	266	Roots	0	No	No	Yes
23/01/2019	14900467	10009861	1 Aydon Rd	Titirangi	N/A	L1	170	Roots	0	No	No	Yes
27/01/2019	14910079	10009934	383 Huia Rd	Titirangi	N/A	L1	99	Unknown	0	No	No	Yes
27/01/2019	14910230	10007209	11 Laingholm Dr	Laingholm	N/A	L1	252	Roots	0	No	No	Yes
5/03/2019	14998673	10031373	9 Wood Bay Rd	Titirangi	N/A	L1	132	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/03/2019	15052859	10029121	66 Victory Rd	Laingholm	N/A	L1	414	Roots	0	No	No	Yes
27/03/2019	15056356	10029080	64 Victory Rd	Laingholm	3	L2	257	Fat	0	No	No	Yes
5/04/2019	15082421	10030639	318 Huia Rd	Titirangi	N/A	L1	359	Fat	0	No	No	Yes
15/04/2019	15106352	10029370	84 Warner Park Ave	Laingholm	N/A	L1	229	Roots	0	No	No	Yes
16/04/2019	15109730	10031752	40 Tinopai Rd	Titirangi	N/A	L1	208	Roots	0	No	No	Yes
18/04/2019	15116491	10031907	79 Kauri Point Rd	Laingholm	6	L3	164	Fat	0	Yes	Yes	Yes
26/04/2019	15129670	10010186	6 Mahoe Rd	Titirangi	N/A	L1	78	Unknown	0	No	No	Yes
30/04/2019	15139121	10050822	29 Tane Rd	Laingholm	N/A	L1	164	Roots	0.6	No	No	Yes
15/05/2019	15182794	10009864	8 Aydon Rd	Titirangi	N/A	L1	214	3rd party damage	4	No	No	Yes
16/05/2019	15187988	10031435	8 Aydon Rd	Titirangi	N/A	L1	255	3rd party damage	2.2	No	No	Yes
17/05/2019	15192278	10031682	31 Landing Rd	Titirangi	N/A	L1	204	Fat	1	No	No	Yes
19/05/2019	15194308	10009864	8 Aydon Rd	Titirangi	N/A	L1	113	3rd party damage	4.2	No	No	Yes
23/05/2019	15205875	10055851	8 Aydon Rd	Titirangi	N/A	L1	657	3rd party damage	0	No	No	Yes
25/05/2019	15211375	10055852	8 Aydon Rd	Titirangi	N/A	L1	259	3rd party damage	0	No	No	Yes
25/05/2019	15211581	10049248	19 Laingfield Tce	Laingholm	N/A	L1	390	Roots	0	No	No	Yes
25/05/2019	15211598	10030729	54 Minnehaha Ave	Titirangi	N/A	L1	36	Roots	0	No	No	Yes
26/05/2019	15212239	50060214	25 York Rd	Titirangi	N/A	L1	699	Rags	0	No	No	Yes
26/05/2019	15212324	10055852	8 Aydon Rd	Titirangi	N/A	L1	265	3rd party damage	0	No	No	Yes
28/05/2019	15217282	10031435	8 Aydon Rd	Titirangi	N/A	L1	176	3rd party damage	5.4	No	No	Yes
1/06/2019	15229797	10055852	8 Aydon Rd	Titirangi	N/A	L1	148	Silts	10.2	No	No	Yes
6/06/2019	15239250	10028905	71 Victory Rd	Laingholm	N/A	L1	96	Roots	1.6	No	No	Yes
7/06/2019	15243879	10055852	8 Aydon Rd	Titirangi	N/A	L1	286	3rd party damage	18.6	No	No	Yes
9/06/2019	15246347	10055852	8 Aydon Rd	Titirangi	N/A	L1	108	3rd party damage	0	No	No	Yes
9/06/2019	15246432	10031439	107B Tanekaha Rd	Titirangi	N/A	L1	286	Unknown	0	No	No	Yes
22/06/2019	15283137	10010300	9 Herrings Cove Pl	Titirangi	N/A	L1	126	Broken pipe	0.6	No	No	Yes
26/06/2019	15293448	10031476	103 Tanekaha Rd	Titirangi	N/A	L1	118	Unknown	0	No	No	Yes
30/06/2019	15303214	10029059	5 Laingfield Tce	Laingholm	N/A	L1	172	Unknown	0	No	No	Yes

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

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14404683	50208399	12 Browning St	Grey Lynn	N/A	L1	66	Unknown	2	No	No	Yes
4/08/2018	14489557	8980179	28 Trinity St	Ponsonby	N/A	L1	1062	Roots	0.5	No	No	Yes
6/08/2018	14491423	8800843	28 Trinity St	Ponsonby	N/A	L1	236	Broken Pipe	0	No	No	Yes
6/08/2018	14492505	8801017	85 Crummer Rd	Grey Lynn	N/A	L1	41	Unknown	0	No	No	Yes
8/08/2018	14498435	8800985	31 Islington St	Ponsonby	N/A	L1	104	Unknown	8	No	No	Yes
12/08/2018	14507293	8980597	57 Francis St	Grey Lynn	N/A	L1	111	Rags	0	No	No	Yes
13/08/2018	14509487	8979420	32 Pollen St	Grey Lynn	N/A	L1	47	Rubbish	9	No	No	Yes
13/08/2018	14510643	8979466	85 Crummer Rd	Grey Lynn	N/A	L1	31	Roots	9	No	No	Yes
14/08/2018	14512948	8979510	25 Brown St	Ponsonby	N/A	L1	80	Broken pipe	12	No	No	Yes
19/08/2018	14524164	8979560	47 Norfolk St	Ponsonby	N/A	L1	156	Rubbish	0	No	No	Yes
21/08/2018	14529696	8980562	24 Castle St	Grey Lynn	N/A	L1	189	Roots	9	No	No	Yes
27/08/2018	14543304	8979934	90 John St	Ponsonby	N/A	L1	60	Unknown	0	No	No	Yes
29/08/2018	14547903	8980549	6 Castle St	Grey Lynn	N/A	L1	182	Roots	26	No	No	Yes
29/08/2018	14548422	8979510	25 Brown St	Ponsonby	N/A	L1	366	Surcharging	26	No	No	Yes
1/09/2018	14557119	8801686	92 Warnock St	Westmere	N/A	L1	131	Roots	0	No	No	Yes
18/09/2018	14597937	8979881	96 Vermont St	Ponsonby	N/A	L1	290	Foreign Object	8.5	No	No	Yes
18/09/2018	14599620	8980549	6 Castle St	Grey Lynn	N/A	L1	1125	Broken pipe	8.5	No	No	Yes
20/09/2018	14603766	8988121	18 Meola Rd	Westmere	N/A	L1	84	Broken pipe	0	No	No	Yes
25/09/2018	14615386	8980114	60 Albany Rd	Herne Bay	N/A	L1	147	Roots	5	No	No	Yes
1/10/2018	14628761	50260215	24 Garnet Rd	Westmere	N/A	L1	88	Roots	0	No	No	Yes
2/10/2018	14631522	8980154	1 West End Rd	Herne Bay	N/A	L1	50	Roots	3.5	No	No	Yes
10/10/2018	14653219	8979734	5 Selbourne St	Grey Lynn		L2	111	Rags	0	No	No	Yes
15/10/2018	14665503	8975993	12 Masons Ave	Herne Bay	N/A	L1	168	Unknown	0	No	No	Yes
22/10/2018	14684225	8980331	28 Browning St	Grey Lynn	N/A	L1	160	Roots	0	No	No	Yes
22/10/2018	14684262	8980310	27 Browning St	Grey Lynn	N/A	L1	327	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/10/2018	14688841	8979702	30 Grosvenor St	Grey Lynn	N/A	L1	181	Roots	0	No	No	Yes
26/10/2018	14698684	8980349	7 Westmoreland St-E	Grey Lynn	N/A	L1	123	Roots	2	No	No	Yes
31/10/2018	14710146	8980625	35 Francis St	Grey Lynn	N/A	L1	262	Rubbish	0	No	No	Yes
1/11/2018	14713616	5339721	3 Hukanui Cres	Ponsonby	N/A	L1	100	Roots	3	No	No	Yes
3/11/2018	14720046	8975992	12 Herne Bay Rd	Herne Bay	N/A	L1	173	Roots	0	No	No	Yes
21/11/2018	14766714	5343831	30A Curran St	Herne Bay	N/A	L1	84	Foreign Object	8	No	No	Yes
26/11/2018	14775115	8980622	37 Stanmore Rd	Grey Lynn	N/A	L1	1372	Surcharging	6.5	No	No	Yes
27/11/2018	14778119	8979581	32 Rose Rd	Grey Lynn	N/A	L1	114	Broken pipe	1.5	No	No	Yes
28/11/2018	14783880	8979421	32 Pollen St	Grey Lynn	N/A	L1	1029	Broken pipe	0	No	No	Yes
9/12/2018	14808262	8979874	80 Lincoln St	Ponsonby	N/A	L1	98	Unknown	0	No	No	Yes
20/12/2018	14836312	8979477	Ponsonby Rd	Freemans Bay	N/A	L1	105	Unknown	21	No	No	Yes
24/12/2018	14842868	8980133	12 Kelmarna Ave	Herne Bay	N/A	L1	80	Surcharging	69	No	No	Yes
25/12/2018	14844768	8800662	81H Vermont St	Ponsonby	N/A	L1	157	Surcharging	11.5	No	No	Yes
31/12/2018	14852377	9037728	36 Selbourne St	Grey Lynn	N/A	L1	114	Roots	0	No	No	Yes
14/01/2019	14876992	8979865	Vermont St	Ponsonby	N/A	L1	317	Rubbish	16	No	No	Yes
4/02/2019	14927862	8980112	6 Wanganui Ave	Ponsonby	N/A	L1	92	Unknown	0	No	No	Yes
14/02/2019	14953529	8976086	54 Wallace St	Herne Bay	N/A	L1	225	Roots	0	No	No	Yes
18/02/2019	14960789	9225442	27 Maxwell Ave	Westmere	N/A	L1	1144	Broken pipe	2.5	No	No	Yes
24/02/2019	14977180	8980238	19 Baildon Rd	Grey Lynn	N/A	L1	90	Unknown	3	No	No	Yes
3/03/2019	14995242	8979834	16 Dryden St	Grey Lynn	N/A	L1	209	3rd party damage	0	No	No	Yes
11/03/2019	15015388	8975996	21 Herne Bay Rd	Herne Bay	N/A	L1	87	Roots	0	No	No	Yes
14/03/2019	15026329	8975996	21 Herne Bay Rd	Herne Bay	N/A	L1	81	Roots	0	No	No	Yes
15/03/2019	15028641	.	12 Browning St	Grey Lynn	N/A	L1	247	Rags	0	No	No	Yes
18/03/2019	15034148	8979494	8 Douglas St	Ponsonby	N/A	L1	134	3rd party damage	1.5	No	No	Yes
21/03/2019	15043873	8980864	51 Fife St	Westmere	N/A	L1	165	Rags	2.5	No	No	Yes
25/03/2019	15050901	8980687	53 Fife St	Westmere	N/A	L1	32	Unknown	0	No	No	Yes
29/03/2019	15064530	8980604	71 Francis St	Grey Lynn	N/A	L1	82	Roots	0	No	No	Yes
3/04/2019	15075078	8980241	8 Browning St	Grey Lynn	N/A	L1	686	Roots	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
5/04/2019	15081359	8797350	88 Sarsfield St	Herne Bay	N/A	L1	80	Rags	0	No	No	Yes
11/04/2019	15098543	8976054	88 Sarsfield St	Herne Bay	N/A	L1	1232	Foreign Object	13	No	No	Yes
17/04/2019	15113728	9224805	19 Shelly Beach Rd	Ponsonby	N/A	L1	58	Foreign Object	0	No	No	Yes
22/04/2019	15121681	8980549	6 Castle St	Grey Lynn	N/A	L1	425	Roots	15.5	No	No	Yes
23/04/2019	15122439	8980597	38 Francis St	Grey Lynn	N/A	L1	222	Roots	16	No	No	Yes
23/04/2019	15122895	8980829	46 Wharf Rd	Herne Bay	10	L3	121	Fat	16	Yes	Yes	Yes
1/05/2019	15143716	8980114	38 Albany Rd	Herne Bay	N/A	L1	819	Roots	0	No	No	Yes
9/05/2019	15166888	8979936	78 Ardmore Rd	Herne Bay	N/A	L1	93	Unknown	0	No	No	Yes
10/05/2019	15169293	8979936	78 Ardmore Rd	Herne Bay	N/A	L1	198	Roots	4.5	No	No	Yes
14/05/2019	15180492	8976027	62 Marine Pde	Herne Bay	N/A	L1	86	Roots	0	No	No	Yes
14/05/2019	15181518	8975996	30 Herne Bay Rd	Herne Bay	N/A	L1	86	Roots	0	No	No	Yes
18/05/2019	15193524	8988104	23 Notley St	Westmere	N/A	L1	147	Roots	1.5	No	No	Yes
18/05/2019	15193554	8797457	56 Marine Pde	Herne Bay	N/A	L1	117	Fat	1.5	No	No	Yes
21/05/2019	15199145	8979936	78 Ardmore Rd	Herne Bay	N/A	L1	203	Unknown	0	No	No	Yes
25/05/2019	15211461	8975889	Hamilton Rd	Herne Bay	6	L3	227	Fat	0	Yes	Yes	Yes
29/05/2019	15221464	8980597	45 Francis St	Grey Lynn	N/A	L1	290	Roots	4	No	No	Yes
30/05/2019	15224788	8975984	11 Marine Pde	Herne Bay	N/A	L1	113	Broken pipe	0	No	No	Yes
31/05/2019	15228926	8980868	19 Chester Ave	Westmere	N/A	L1	96	Broken pipe	25.5	No	No	Yes
12/06/2019	15255938	.	8 Redmond St	Ponsonby	N/A	L1	212	Broken Pipe	0	No	No	Yes
18/06/2019	15270333	9225442	27 Maxwell Ave	Westmere	N/A	L1	88	Unknown	0.5	No	No	Yes
19/06/2019	15273241	8979470	24 Rose Rd	Grey Lynn	N/A	L1	34	Rubbish	0	No	No	Yes
23/06/2019	15283678	8801748	25 Nottingham St	Westmere	N/A	L1	114	Roots	5.5	No	No	Yes

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

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
7/07/2018	14419205	8793188	52 Hepburn St	Freemans Bay	N/A	L1	953	Unknown	0	No	No	Yes
8/07/2018	14419447	8793188	52 Hepburn St	Freemans Bay	N/A	L1	189	Rubbish	4	No	No	Yes
15/07/2018	14435791	8971656	5 Hackett St	Ponsonby	N/A	L1	1422	Surcharging	52.5	No	No	Yes
20/07/2018	14449908	8970968	2-8 Nelson St	Auckland Central	N/A	L1	39	Fat	0.5	No	No	Yes
25/07/2018	14462779	9173751	20-26 Symonds St	Auckland Central	N/A	L1	219	Roots	1.5	No	No	Yes
26/07/2018	14464588	9003368	149- Parnell Rd	Parnell	N/A	L1	449	Rags	0.5	No	No	Yes
30/07/2018	14473715	9224755	3 Margaret St	Freemans Bay	N/A	L1	1239	Fat	0	No	No	Yes
3/08/2018	14488058	50108145	49-63 Jellicoe St	Auckland Central	N/A	L1	205	Rags	4	No	No	Yes
4/08/2018	14489347	8971308	49-63 Jellicoe St	Auckland Central	N/A	L1	159	Fat	0.5	No	No	Yes
8/08/2018	14498423	8820286	30 Symonds St	Grafton	N/A	L1	157	Fat	8	No	No	Yes
8/08/2018	14498685	8972365	121 Wellington St	Freemans Bay	N/A	L1	78	Unknown	8	No	No	Yes
15/08/2018	14516100	9224494	Rt1-20/3 Parliament St	Auckland Central	N/A	L1	101	Fat	3.5	No	No	Yes
26/08/2018	14540784	8793240	74 Cook St	Auckland Central	N/A	L1	89	Unknown	0.5	No	No	Yes
30/08/2018	14551193	8972396	94 Franklin Rd	Freemans Bay	N/A	L1	130	Roots	0.5	No	No	Yes
30/08/2018	14551246	8966937	139 Vincent St	Auckland Central	N/A	L1	133	Unknown	0.5	No	No	Yes
31/08/2018	14556088	8966937	139 Vincent St	Auckland Central	N/A	L1	90	Unknown	0	No	No	Yes
3/09/2018	14558728	8971492	20 Beaumont St	Auckland Central	N/A	L1	94	Rubbish	2	No	No	Yes
20/09/2018	14603777	8970999	14-18 Pakenham St-E	Auckland Central	N/A	L1	193	Fat	0	No	No	Yes
24/09/2018	14612071	8966735	12 Queen St	Auckland Central	N/A	L1	81	3rd party damage	6.5	No	No	Yes
26/09/2018	14617437	9003502	85 Park Rd	Grafton	N/A	L1	404	Fat	2.5	No	No	Yes
26/09/2018	14620197	8972401	64 Franklin Rd	Freemans Bay	N/A	L1	152	Unknown	2.5	No	No	Yes
8/10/2018	14647481	9224754	1/3 Margaret St	Freemans Bay	-	L2	69	Rags	0	No	No	Yes
10/10/2018	14655794	8970933	13-21 Hobson St	Auckland Central	N/A	L1	8	Roots	0	No	No	Yes
11/10/2018	14657401	9224779	8 Georgina St	Freemans Bay	N/A	L1	96	Rubbish	16	No	No	Yes
17/10/2018	14675189	9224450	22 Albert St	Auckland Central	-	L2	174	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/10/2018	14684869	8971489	100 Franklin Rd	Freemans Bay	N/A	L1	112	3rd party damage	0	No	No	Yes
25/10/2018	14694071	8971184	Pakenham St-E	Auckland Central	N/A	L1	153	Unknown	0	No	No	Yes
30/10/2018	14706717	9010474	5/47 Shelly Beach Rd	Ponsonby	N/A	L1	135	Rubbish	10.5	No	No	Yes
1/11/2018	14715406	9224417	85 Albert St	Auckland Central	N/A	L1	180	Roots	3	No	No	Yes
9/11/2018	14736254	9003310	20 Gibraltar Cres	Parnell	N/A	L1	90	Rubbish	3	No	No	Yes
15/11/2018	14749719	8966073	370 Queen St	Auckland Central	N/A	L1	98	Fat	0	No	No	Yes
27/11/2018	14780214	9224316	67-101 Vincent St	Auckland Central	N/A	L1	608	Roots	1.5	No	No	Yes
28/11/2018	14782694	8971127	200 Victoria St-W	Auckland Central	N/A	L1	293	Unknown	0	No	No	Yes
29/11/2018	14785355	5346946	139 Vincent St	Auckland Central	N/A	L1	556	Roots	0	No	No	Yes
30/11/2018	14789055	8972401	60 Franklin Rd	Freemans Bay	N/A	L1	112	Fat	0	No	No	Yes
6/12/2018	14802214	8972401	62 Franklin Rd	Freemans Bay	N/A	L1	176	Roots	7	No	No	Yes
19/12/2018	14834363	9224778	8 Georgina St	Freemans Bay	N/A	L1	152	Rubbish	6.5	No	No	Yes
20/12/2018	14836031	9000425	118 Gladstone Rd	Parnell	N/A	L1	269	Unknown	21	No	No	Yes
20/12/2018	14836565	8794037	5 Hackett St	Ponsonby	N/A	L1	1247	Surcharging	21	No	No	Yes
20/12/2018	14837281	9224331	100 Greys Ave	Auckland Central	N/A	L1	407	Roots	21	No	No	Yes
27/12/2018	14846673	8966836	4 Lorne St	Auckland Central	N/A	L1	287	Unknown	0	No	No	Yes
11/01/2019	14874012	8789270	229 Queen St	Auckland Central	N/A	L1	154	Unknown	0	No	No	Yes
22/01/2019	14897658	8964175	72 Greys Ave	Auckland Central	N/A	L1	83	Roots	0	No	No	Yes
23/01/2019	14901361	9224754	1/3 Margaret St	Freemans Bay	N/A	L1	59	Unknown	0	No	No	Yes
27/01/2019	14909901	9224778	8 Georgina St	Freemans Bay	N/A	L1	127	Fat	0	No	No	Yes
31/01/2019	14918511	8972278	5 Wilkins St	Freemans Bay	N/A	L1	83	Rags	0	No	No	Yes
31/01/2019	14919015	8972272	45 Napier St	Freemans Bay	N/A	L1	42	Unknown	0	No	No	Yes
31/01/2019	14920262	8904274	21 Queen St	Auckland Central	N/A	L1	167	Foreign Object	0	No	No	Yes
1/02/2019	14921605	9051239	155 The Strand	Parnell	N/A	L1	74	Roots	2.5	No	No	Yes
2/02/2019	14924218	9224778	8 Georgina St	Freemans Bay	N/A	L1	57	Rags	0	No	No	Yes
2/02/2019	14924489	9000197	5 Burrows Ave	Parnell	N/A	L1	418	Unknown	0	No	No	Yes
14/02/2019	14952127	8970999	Wtr/14-18 Pakenham St-E	Auckland Central	N/A	L1	343	Rubbish	0	No	No	Yes
15/02/2019	14956234	8793419	1/23 Napier St	Freemans Bay	N/A	L1	298	Rubbish	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
18/02/2019	14960750	9000765	23B Windsor St	Parnell	N/A	L1	43	Unknown	2.5	No	No	Yes
25/02/2019	14979490	8789797	48-52 Mayoral Dr	Auckland Central	N/A	L1	112	Foreign Object	0	No	No	Yes
4/03/2019	14996681	8971384	121- Beaumont St	Auckland Central	N/A	L1	272	Broken pipe	0	No	No	Yes
9/03/2019	15013011	8971911	Bus/80 Jervois Rd	Herne Bay	N/A	L1	111	Roots	21	No	No	Yes
9/03/2019	15013272	8971909	47-55 Jervois Rd	Herne Bay	N/A	L1	1124	Roots	21	No	No	Yes
13/03/2019	15020792	8904362	469 Karangahape Rd	Auckland Central	N/A	L1	125	Unknown	0	No	No	Yes
18/03/2019	15034400	9000199	5 Burrows Ave	Parnell	N/A	L1	1296	Broken pipe	1.5	No	No	Yes
19/03/2019	15037174	8966571	12-30 Parliament St	Auckland Central	N/A	L1	272	Roots	0.5	No	No	Yes
29/03/2019	15062523	9224813	1 Hobson St	Auckland Central	N/A	L1	312	Rubbish	0	No	No	Yes
5/04/2019	15081911	8971939	171 Hobson St	Auckland Central	N/A	L1	345	Roots	0	No	No	Yes
10/04/2019	15093699	8971939	171 Hobson St	Auckland Central	N/A	L1	104	Roots	0	No	No	Yes
11/04/2019	15097662	8788866	1 Queen St	Auckland Central	N/A	L1	429	Rubbish	13	No	No	Yes
12/04/2019	15100908	8971064	2-8 Nelson St	Auckland Central	N/A	L1	265	Rags	2	No	No	Yes
14/04/2019	15104838	8970940	86-102 Customs St-W	Auckland Central	N/A	L1	74	Fat	0.5	No	No	Yes
17/04/2019	15114388	8966352	Quay St	Auckland Central	N/A	L1	230	Fat	0	No	No	Yes
30/04/2019	15139683	9227253	6-18 Symonds St	Grafton	N/A	L1	159	Roots	0	No	No	Yes
5/05/2019	15153009	8972381	1 Scotland St	Freemans Bay	N/A	L1	69	Fat	0	No	No	Yes
6/05/2019	15155988	8971175	6-20 Jellicoe St	Auckland Central	N/A	L1	1019	Rags	0	No	No	Yes
9/05/2019	15166096	8966621	43 Anzac Ave	Auckland Central	N/A	L1	228	Unknown	0	No	No	Yes
13/05/2019	15176075	8970999	Wtr/14-18 Pakenham St-E	Auckland Central	N/A	L1	219	Fat	4	No	No	Yes
16/05/2019	15187419	8793639	1/13 Hepburn St	Freemans Bay	N/A	L1	206	Roots	1	No	No	Yes
20/05/2019	15196314	8789554	Napier St	Freemans Bay	N/A	L1	1283	Unknown	0	No	No	Yes
20/05/2019	15196372	8972255	Wilkins St	Freemans Bay	N/A	L1	449	Rubbish	0	No	No	Yes
24/05/2019	15208624	8966937	139 Vincent St	Auckland Central	N/A	L1	299	Broken pipe	0	No	No	Yes
30/05/2019	15225451	9003266	6 Claybrook Rd	Parnell	N/A	L1	87	Rubbish	0	No	No	Yes
5/06/2019	15236622	8972272	Napier St	Freemans Bay	N/A	L1	80	Surcharging	29	No	No	Yes
8/06/2019	15244771	8793660	2-8 Ryle St	Freemans Bay	N/A	L1	319	Roots	1	No	No	Yes
10/06/2019	15249483	50252058	487 Parnell Rd	Parnell	N/A	L1	107	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
10/06/2019	15249887	8971175	6-20 Jellicoe St	Auckland Central	N/A	L1	128	Rags	0	No	No	Yes
14/06/2019	15261097	9003408	30 Heather St	Parnell	N/A	L1	466	Unknown	0	No	No	Yes
18/06/2019	15270718	8970781	1/13 Hepburn St	Freemans Bay	N/A	L1	79	Roots	0.5	No	No	Yes
26/06/2019	15291842	8966663	16-18 Plumer St	Auckland Central	N/A	L1	181	Rags	0.5	No	No	Yes
27/06/2019	15296721	9191483	8 Dockside Lane	Auckland Central	N/A	L1	221	Unknown	0	No	No	Yes

Table 22: Overflows in the Hobson Bay Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14405612	9245938	5B Swinton Cl	Remuera	N/A	L1	1329	Broken pipe	0.5	No	No	Yes
4/07/2018	14410075	8975765	15 Brilliant St	St Heliers	N/A	L1	144	Fat	0	No	No	Yes
5/07/2018	14413552	9224604	1/241 Main Highway	Ellerslie	N/A	L1	225	Rubbish	0	No	No	Yes
7/07/2018	14418861	8802534	22B Corinth St	Remuera	N/A	L1	77	Broken pipe	0	No	No	Yes
7/07/2018	14419222	8981283	22 Corinth St	Remuera	N/A	L1	986	Rubbish	0	No	No	Yes
10/07/2018	14423418	8975332	15 Parkside St	St Heliers	N/A	L1	93	Fat	5.5	No	No	Yes
17/07/2018	14441761	8814189	77 Kitemoana St	Orakei	N/A	L1	78	Roots	0	No	No	Yes
18/07/2018	14444468	8970231	144 Mountain Rd	Epsom	N/A	L1	144	Unknown	1	No	No	Yes
19/07/2018	14446255	8968197	1/18 Nordon Pl	Remuera	N/A	L1	148	Rubbish	1	No	No	Yes
19/07/2018	14447407	8968376	6 Grand Dr	Remuera	N/A	L1	96	Rubbish	1	No	No	Yes
19/07/2018	14448103	8987090	27 Kupe St	Orakei	N/A	L1	1170	Broken pipe	1	No	No	Yes
23/07/2018	14454651	8981120	6-22 Mt Carmel Pl	Meadowbank	N/A	L1	64	Unknown	1	No	No	Yes
23/07/2018	14455181	8813929	4A Tuhaere St	Orakei	N/A	L1	108	Rags	1	No	No	Yes
23/07/2018	14455922	9001828	3/56 Thatcher St	Mission Bay	-	L2	189	Rubbish	1	No	No	Yes
24/07/2018	14458097	8790151	8 Hubert Henderson Pl	Remuera	N/A	L1	228	Unknown	0.5	No	No	Yes
25/07/2018	14463914	8790157	42 Richard Farrell Ave	Remuera	N/A	L1	184	Fat	1.5	No	No	Yes
27/07/2018	14468289	9026362	Grampian Rd	St Heliers	N/A	L1	136	Broken pipe	1	No	No	Yes
27/07/2018	14468912	8968342	1/2 Ellerslie Park Rd	Ellerslie	N/A	L1	411	Foreign Object	1	No	No	Yes
28/07/2018	14470391	8968503	46 Michaels Ave	Ellerslie	N/A	L1	120	Fat	1	No	No	Yes
29/07/2018	14471158	8789434	3 Corbett-Scott Ave	Epsom	N/A	L1	108	Unknown	3.5	No	No	Yes
30/07/2018	14473803	8968049	25 Wimbledon Way	Remuera	N/A	L1	80	Unknown	0.5	No	No	Yes
1/08/2018	14480318	8808915	Rt 1-3/95 Mountain Rd	Epsom	N/A	L1	87	Unknown	2.5	No	No	Yes
2/08/2018	14484570	8996407	20 Tuhaere St	Orakei	N/A	L1	103	Roots	0.5	No	No	Yes
4/08/2018	14489327	8981166	24 Waiatarua Rd	Remuera	N/A	L1	134	Fat	0.5	No	No	Yes
4/08/2018	14489344	8975462	29 Glover Rd	St Heliers	N/A	L1	42	Unknown	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/08/2018	14489455	8996531	14 Tamaki Dr	Orakei	-	L2	161	Rubbish	0.5	No	No	Yes
5/08/2018	14490013	8970416	3 Corbett-Scott Ave	Epsom	N/A	L1	289	Roots	1.5	No	No	Yes
7/08/2018	14495891	8990512	Rt 1-3/95 Mountain Rd	Epsom	N/A	L1	55	Broken pipe	0	No	No	Yes
8/08/2018	14499295	8989446	1 Cowie St	Newmarket	N/A	L1	1220	Broken pipe	7.5	No	No	Yes
8/08/2018	14500407	8802409	23 Benson Rd	Remuera	N/A	L1	1043	Broken Pipe	7.5	No	No	Yes
9/08/2018	14501330	8969476	302 Great South Rd	Greenlane	N/A	L1	135	Unknown	0.5	No	No	Yes
10/08/2018	14504735	8989446	1 Cowie St	Newmarket	N/A	L1	155	3rd party damage	0	No	No	Yes
11/08/2018	14506425	8814108	12 Okahu St	Orakei	3	L3	113	Roots	0	Yes	Yes	Yes
11/08/2018	14506467	8796801	48 Maskell St	St Heliers	N/A	L1	176	Rubbish	0	No	No	Yes
12/08/2018	14507041	8978724	20 Sprott Rd	Kohimarama	N/A	L1	103	Rubbish	0	No	No	Yes
13/08/2018	14509897	9227026	3 Pere St	Remuera	N/A	L1	104	Roots	6.5	No	No	Yes
14/08/2018	14513494	8975461	25 Glover Rd	St Heliers	N/A	L1	180	Rubbish	11	No	No	Yes
15/08/2018	14514667	8975453	42A Waimarie St	St Heliers	N/A	L1	120	Roots	1.5	No	No	Yes
15/08/2018	14515242	8978429	34A Towai St	St Heliers	N/A	L1	126	Roots	1.5	No	No	Yes
15/08/2018	14515615	8981817	9 Woodley Ave	Remuera	N/A	L1	83	Unknown	1.5	No	No	Yes
15/08/2018	14516218	8968768	Rt 1-2/19 Robert St	Ellerslie	N/A	L1	57	Broken pipe	1.5	No	No	Yes
16/08/2018	14519225	8964206	116G Michaels Ave	Ellerslie	N/A	L1	75	Fat	0	No	No	Yes
17/08/2018	14521135	8978391	2/73 Speight Rd	Kohimarama	N/A	L1	70	Roots	16.5	No	No	Yes
17/08/2018	14521711	8978881	68 Tarawera Tce	St Heliers	N/A	L1	31	Unknown	16.5	No	No	Yes
17/08/2018	14522320	9224604	1-1A/208 Main Highway	Ellerslie	N/A	L1	1355	Unknown	16.5	No	No	Yes
19/08/2018	14523902	8968376	6 Grand Dr	Remuera	N/A	L1	108	Unknown	0.5	No	No	Yes
20/08/2018	14526138	9001762	56 John Rymer Pl	Kohimarama	N/A	L1	64	Roots	3	No	No	Yes
22/08/2018	14531614	8975510	32 Glover Rd	St Heliers		L2	105	Fat	7.5	No	No	Yes
22/08/2018	14533547	8975587	1/8 Clarendon Rd	St Heliers	N/A	L1	42	Broken pipe	7.5	No	No	Yes
26/08/2018	14540706	9042579	295 Victoria Ave	Remuera	N/A	L1	94	Foreign Object	0	No	No	Yes
26/08/2018	14540780	8970573	1/8 Atherton Rd	Epsom	N/A	L1	41	Roots	0	No	No	Yes
26/08/2018	14540867	8981356	58 Lucerne Rd	Remuera	N/A	L1	281	Roots	0	No	No	Yes
28/08/2018	14546114	9001035	17 Stirling St	Remuera	N/A	L1	101	Fat	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/08/2018	14546647	8799900	4 Kirkmay Pl	St Heliers	N/A	L1	118	Roots	0.5	No	No	Yes
28/08/2018	14547167	9042579	295 Victoria Ave	Remuera	N/A	L1	37	3rd party damage	0.5	No	No	Yes
29/08/2018	14548225	8968446	116L Michaels Ave	Ellerslie	N/A	L1	223	Surcharging	45.5	No	No	Yes
29/08/2018	14548772	8970427	30 King George Ave	Epsom	N/A	L1	54	Surcharging	45.5	No	No	Yes
29/08/2018	14549495	9225606	11 Entrican Ave	Remuera	N/A	L1	178	Surcharging	45.5	No	No	Yes
29/08/2018	14550358	8796873	35 Yattendon Rd	St Heliers	N/A	L1	87	Surcharging	45.5	No	No	Yes
31/08/2018	14555231	9001181	25 Shore Rd	Remuera	N/A	L1	217	Unknown	4	No	No	Yes
3/09/2018	14561384	8990004	5 Short St	Newmarket	N/A	L1	112	Fat	9	No	No	Yes
5/09/2018	14567024	9001071	28 Standen Ave	Remuera	N/A	L1	201	Silts	0	No	No	Yes
11/09/2018	14581680	8989521	33A Wapiti Ave	Epsom	N/A	L1	122	Roots	0.5	No	No	Yes
11/09/2018	14582098	8989208	9B Shore Rd	Remuera	N/A	L1	200	Unknown	0.5	No	No	Yes
13/09/2018	14585883	8975461	25 Glover Rd	St Heliers	N/A	L1	119	Rubbish	0	No	No	Yes
15/09/2018	14591923	8970573	2/8 Atherton Rd	Epsom	N/A	L1	71	Roots	0	No	No	Yes
16/09/2018	14592630	8980997	2/58 St Johns Rd	Meadowbank	N/A	L1	72	Rags	0	No	No	Yes
17/09/2018	14594020	9227026	161 Remuera Rd	Remuera	N/A	L1	137	Roots	1	No	No	Yes
19/09/2018	14601105	9001633	7A Worcester Rd	Meadowbank	N/A	L1	112	Roots	0	No	No	Yes
19/09/2018	14602321	8814182	73 Kitemoana St	Orakei	N/A	L1	81	Unknown	0	No	No	Yes
24/09/2018	14613451	8978482	7 Aumoe Ave	St Heliers	N/A	L1	170	Foreign Object	6	No	No	Yes
25/09/2018	14615705	8996400	12 Ngapipi Rd	Orakei	N/A	L1	109	Roots	4	No	No	Yes
26/09/2018	14618087	9001739	22 Whytehead Cres	Kohimarama	N/A	L1	96	Rubbish	1.5	No	No	Yes
29/09/2018	14626707	8967706	120 Abbotts Way	Remuera	N/A	L1	168	Roots	0	No	No	Yes
30/09/2018	14627139	8978940	26 Hampton Dr	Kohimarama	N/A	L1	328	Unknown	0	No	No	Yes
1/10/2018	14629369	9225406	26 Hampton Dr	Kohimarama	N/A	L1	108	Rubbish	0	No	No	Yes
6/10/2018	14643267	8799640	25 Piccadilly Pl	Kohimarama	N/A	L1	247	Roots	0	No	No	Yes
7/10/2018	14644469	5332458	7 Aumoe Ave	St Heliers	N/A	L1	172	Roots	0	No	No	Yes
11/10/2018	14658170	8970573	10 Atherton Rd	Epsom	N/A	L1	114	Rubbish	13	No	No	Yes
12/10/2018	14660254	8969170	445 Remuera Rd	Remuera	N/A	L1	97	Roots	7	No	No	Yes
12/10/2018	14661414	50187936	10 Graceville Lane	St Heliers	N/A	L1	98	Foreign Object	7	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
12/10/2018	14661500	50187936	4 Graceville Lane	St Heliers	N/A	L1	76	Foreign Object	7	No	No	Yes
12/10/2018	14661956	8990301	1C Bracken Ave	Epsom	N/A	L1	195	Fat	7	No	No	Yes
16/10/2018	14669930	9050859	4A Tuhaere St	Orakei	N/A	L1	619	Roots	2.5	No	No	Yes
18/10/2018	14677225	8981804	113 Orakei Rd	Remuera	N/A	L1	87	Roots	2.5	No	No	Yes
19/10/2018	14679608	8990301	1C Bracken Ave	Epsom	N/A	L1	109	Rubbish	0	No	No	Yes
19/10/2018	14680240	9001986	Tahapa Cres	Meadowbank		L2	352	Silts	0	No	No	Yes
20/10/2018	14682526	8808403	34 Bassett Rd	Remuera	N/A	L1	139	Roots	0	No	No	Yes
20/10/2018	14682585	8808056	217 Greenlane West	Epsom	N/A	L1	169	Broken pipe	0	No	No	Yes
22/10/2018	14684067	9000885	201 Portland Rd	Remuera	N/A	L1	252	Roots	0	No	No	Yes
23/10/2018	14686793	8979085	18B Grampian Rd	St Heliers	N/A	L1	151	Unknown	0	No	No	Yes
23/10/2018	14687349	5337567	1/16 Arcadia Rd	Epsom	N/A	L1	105	Roots	0	No	No	Yes
24/10/2018	14690685	9225657	22 Ara St	Remuera	N/A	L1	109	3rd party damage	0	No	No	Yes
26/10/2018	14697767	8975747	8-10 Turua St	St Heliers	N/A	L1	90	Fat	2	No	No	Yes
29/10/2018	14702198	8981703	18 Benson Rd	Remuera	N/A	L1	90	Rubbish	12	No	No	Yes
29/10/2018	14703484	8990016	31-33 Broadway	Newmarket	N/A	L1	49	Fat	12	No	No	Yes
30/10/2018	14708342	8981884	21A Orakei Rd	Remuera	N/A	L1	234	Rags	14	No	No	Yes
31/10/2018	14710849	9225557	29A Ngapuhi Rd	Remuera	N/A	L1	87	Rags	0.5	No	No	Yes
31/10/2018	14712071	8969397	43 Clonbern Rd	Remuera	N/A	L1	770	3rd party damage	0.5	No	No	Yes
2/11/2018	14716613	8969397	43 Clonbern Rd	Remuera	N/A	L1	302	3rd party damage	0	No	No	Yes
3/11/2018	14719639	8975367	35 Brilliant St	St Heliers	N/A	L1	286	Unknown	0	No	No	Yes
5/11/2018	14724168	8968058	85 Maungarei Rd	Remuera	N/A	L1	147	Fat	0	No	No	Yes
8/11/2018	14732164	8975453	34 Waimarie St	St Heliers	N/A	L1	109	Rags	0	No	No	Yes
8/11/2018	14734390	8981062	109 Meadowbank Rd	Meadowbank	-	L3	644	Fat	0	Yes	Yes	Yes
12/11/2018	14739762	8967842	24 Mcfarland St	Remuera	N/A	L1	133	Unknown	3	No	No	Yes
12/11/2018	14740387	8996363	20 Rewiti St	Orakei	N/A	L1	163	Unknown	3	No	No	Yes
13/11/2018	14743590	8985278	152 Great South Rd	Remuera	N/A	L1	110	Unknown	0	No	No	Yes
14/11/2018	14746628	8790573	136 Norman Lesser Dr	St Johns	N/A	L1	68	Rubbish	0	No	No	Yes
15/11/2018	14749768	8978473	91 Melanesia Rd	Kohimarama	N/A	L1	108	Rubbish	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
18/11/2018	14756556	8979108	48 Grampian Rd	St Heliers	N/A	L1	61	Rubbish	0	No	No	Yes
20/11/2018	14762818	8986877	9 Cullwick Rd	Mission Bay	N/A	L1	1117	Unknown	12.5	No	No	Yes
20/11/2018	14763353	8967876	C/40A Monteith Cres	Remuera	N/A	L1	102	Rags	12.5	No	No	Yes
22/11/2018	14767908	9226510	15 Kent St	Newmarket	N/A	L1	218	Unknown	2	No	No	Yes
22/11/2018	14768803	8969381	29 Market Rd	Remuera	N/A	L1	33	Rubbish	2	No	No	Yes
23/11/2018	14770451	8799974	82A Tarawera Tce	St Heliers	N/A	L1	130	Unknown	0	No	No	Yes
26/11/2018	14775785	9009917	2 Manawa Rd	Remuera	N/A	L1	70	Roots	11	No	No	Yes
26/11/2018	14775822	8996572	1 Grace St	Orakei	N/A	L1	85	Rubbish	11	No	No	Yes
27/11/2018	14778391	9000838	73B Shore Rd	Remuera	N/A	L1	156	Roots	2.5	No	No	Yes
29/11/2018	14786162	8792449	10 Atherton Rd	Epsom	N/A	L1	132	Unknown	0	No	No	Yes
30/11/2018	14789578	9227078	1A Ripon Cres	Meadowbank	N/A	L1	106	Roots	0	No	No	Yes
2/12/2018	14791579	8989865	5/8 Edgerley Ave	Newmarket	N/A	L1	155	Fat	0	No	No	Yes
5/12/2018	14798951	8967837	116 Grand Dr	Remuera	N/A	L1	94	Unknown	8	No	No	Yes
5/12/2018	14800801	8996506	2 Tautari St	Orakei	N/A	L1	114	Roots	8	No	No	Yes
5/12/2018	14801149	.	2 Tautari St	Orakei		L2	666	Unknown	8	No	No	Yes
6/12/2018	14803447	9173243	4-8 Short St	Auckland Central	N/A	L1	169	Unknown	6.5	No	No	Yes
6/12/2018	14803566	9011330	Orakei Rd	Remuera	-	L2	1028	Broken pipe	6.5	No	No	Yes
8/12/2018	14807460	8975275	54 The Parade	St Heliers	N/A	L1	204	Unknown	0	No	No	Yes
10/12/2018	14810604	8969444	35 Lillington Rd	Remuera	N/A	L1	72	Rubbish	0	No	No	Yes
10/12/2018	14810700	8968425	9 Baden Powell Pl	Remuera	N/A	L1	119	Broken pipe	0	No	No	Yes
13/12/2018	14820972	8978384	4A Kotiri St	St Heliers	N/A	L1	76	Roots	0	No	No	Yes
15/12/2018	14824518	9001067	25 Tahapa Cres	Meadowbank	N/A	L1	70	Unknown	3	No	No	Yes
17/12/2018	14826511	8989274	1/8 Macmurray Rd	Remuera	N/A	L1	138	Unknown	0	No	No	Yes
18/12/2018	14829608	8790469	35 Lillington Rd	Remuera	N/A	L1	113	Fat	0	No	No	Yes
19/12/2018	14833154	8986811	27A Comins Cres	Mission Bay	N/A	L1	112	Roots	3.5	No	No	Yes
19/12/2018	14834386	9225592	6 Entrican Ave	Remuera	N/A	L1	79	Roots	3.5	No	No	Yes
19/12/2018	14834554	8978950	80 Grampian Rd	St Heliers	N/A	L1	33	Roots	3.5	No	No	Yes
20/12/2018	14835383	8796809	75 Vale Rd	St Heliers	N/A	L1	88	Foreign Object	22.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/12/2018	14835501	9227058	30 Rutherford Tce	Meadowbank	N/A	L1	133	Roots	22.5	No	No	Yes
20/12/2018	14836594	9226003	110 Selwyn Ave	Mission Bay	N/A	L1	69	Silts	22.5	No	No	Yes
25/12/2018	14844748	8968612	44A Marua Rd	Ellerslie	N/A	L1	83	Unknown	28	No	No	Yes
25/12/2018	14844811	8967521	49 Ballarat St	Mt Wellington	N/A	L1	183	Fat	28	No	No	Yes
27/12/2018	14846434	8789423	1 Rangiatea Rd	Epsom	N/A	L1	144	Rags	0	No	No	Yes
29/12/2018	14849759	8896260	16 Bowling Ave	Epsom	N/A	L1	81	Rubbish	0	No	No	Yes
29/12/2018	14849892	8989913	25 Ranfurly Rd	Epsom	N/A	L1	181	Unknown	0	No	No	Yes
29/12/2018	14850122	9009880	25 Mahoe Ave	Remuera	N/A	L1	170	Rubbish	0	No	No	Yes
30/12/2018	14850649	8970504	26 Rangiatea Rd	Epsom	N/A	L1	102	Unknown	0	No	No	Yes
31/12/2018	14852376	9224612	29C Marua Rd	Ellerslie	N/A	L1	188	Fat	0	No	No	Yes
3/01/2019	14855930	8978664	1/48A Kohimarama Rd	Kohimarama	N/A	L1	118	Unknown	0	No	No	Yes
4/01/2019	14858251	8989865	1/10 Edgerley Ave	Newmarket	N/A	L1	234	3rd party damage	0	No	No	Yes
7/01/2019	14860254	8788112	6 Cheeseman Pl	Meadowbank	N/A	L1	99	Broken pipe	0	No	No	Yes
9/01/2019	14866327	8978696	1/13 Hawera Rd	Kohimarama	N/A	L1	170	Unknown	0	No	No	Yes
9/01/2019	14867027	8970189	14 Withiel Dr	Epsom	N/A	L1	165	Roots	0	No	No	Yes
9/01/2019	14867109	8996527	28 Paritai Dr	Orakei	N/A	L1	55	Broken pipe	0	No	No	Yes
9/01/2019	14867931	8981773	4 Brookland Pl	Remuera	N/A	L1	83	Unknown	0	No	No	Yes
9/01/2019	14868414	8989865	1/10 Edgerley Ave	Newmarket	N/A	L1	167	3rd party damage	0	No	No	Yes
13/01/2019	14875847	8989865	1/10 Edgerley Ave	Newmarket	N/A	L1	154	3rd party damage	0	No	No	Yes
16/01/2019	14883962	8981140	30 Seascape Rd	Remuera	N/A	L1	125	Unknown	0	No	No	Yes
17/01/2019	14886091	9225556	26A Pukeora Ave	Remuera	N/A	L1	64	Broken pipe	0	No	No	Yes
20/01/2019	14892327	8989865	1/10 Edgerley Ave	Newmarket	N/A	L1	271	Foreign Object	0.5	No	No	Yes
20/01/2019	14892469	8996559	14B Ngaiwi St	Orakei	N/A	L1	47	Unknown	0.5	No	No	Yes
21/01/2019	14894564	9009983	18 Combes Rd	Remuera	N/A	L1	78	Roots	0	No	No	Yes
24/01/2019	14905014	8818248	9 Ridings Rd	Remuera	N/A	L1	125	Unknown	2.5	No	No	Yes
27/01/2019	14909765	8720785	29 Market Rd	Remuera	N/A	L1	126	Roots	0	No	No	Yes
29/01/2019	14912071	8980995	2/58 St Johns Rd	Meadowbank	N/A	L1	155	Unknown	2.5	No	No	Yes
29/01/2019	14912316	9001249	214 Remuera Rd	Remuera	N/A	L1	236	Unknown	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/01/2019	14913027	8978625	61B Melanesia Rd	Kohimarama	N/A	L1	196	Fat	2.5	No	No	Yes
29/01/2019	14914268	9225170	Tephra Blvd	St Johns	N/A	L1	213	Fat	2.5	No	No	Yes
30/01/2019	14915595	9001906	75 Gowing Dr	Meadowbank	N/A	L1	109	Unknown	0	No	No	Yes
30/01/2019	14917580	9010016	1/71 Victoria Ave	Remuera	N/A	L1	149	Unknown	0	No	No	Yes
31/01/2019	14918245	9225603	8 Entrican Ave	Remuera	N/A	L1	76	Roots	0	No	No	Yes
1/02/2019	14921811	8975644	63 Devore St	St Heliers	N/A	L1	72	Roots	0	No	No	Yes
2/02/2019	14924266	8978503	15 Melanesia Rd	Kohimarama	N/A	L1	194	Unknown	0	No	No	Yes
2/02/2019	14924466	8968010	22 Koraha St	Remuera	N/A	L1	1164	Broken pipe	0	No	No	Yes
5/02/2019	14928967	9172542	9 Dover Pl	Remuera	N/A	L1	87	Broken Pipe	0	No	No	Yes
7/02/2019	14935703	8981140	30 Seascape Rd	Remuera	N/A	L1	962	Broken pipe	0	No	No	Yes
8/02/2019	14937898	9029809	134 Meadowbank Rd	Meadowbank	N/A	L1	481	Unknown	0	No	No	Yes
9/02/2019	14939761	8975382	27A Parkside St	St Heliers	N/A	L1	127	Broken pipe	0	No	No	Yes
11/02/2019	14941979	8970497	Onslow Ave	Epsom	N/A	L1	169	Unknown	0	No	No	Yes
11/02/2019	14942226	8788013	39 Allen Johnston Pl	St Johns	N/A	L1	241	Roots	0	No	No	Yes
12/02/2019	14946724	8972718	159 St Heliers Bay Rd	St Heliers	N/A	L1	122	Unknown	0	No	No	Yes
14/02/2019	14954143	8968045	11 Maungarei Rd	Remuera	N/A	L1	71	Unknown	0	No	No	Yes
16/02/2019	14957865	8968045	11 Maungarei Rd	Remuera	N/A	L1	186	Roots	0	No	No	Yes
16/02/2019	14957916	8968310	7 Hawthorne Pl	Ellerslie	N/A	L1	110	Roots	0	No	No	Yes
17/02/2019	14959029	9000071	93 St Stephens Ave	Parnell	N/A	L1	152	Unknown	0	No	No	Yes
18/02/2019	14960334	8981120	6-22 Mt Carmel Pl	Meadowbank	N/A	L1	184	Fat	0.5	No	No	Yes
18/02/2019	14961483	9207611	37 Rarangi Rd	St Heliers	N/A	L1	104	Roots	0.5	No	No	Yes
18/02/2019	14961637	8996509	4 Rewiti St	Orakei	N/A	L1	279	Unknown	0.5	No	No	Yes
18/02/2019	14961819	8978539	61A Hawera Rd	Kohimarama	N/A	L1	39	Roots	0.5	No	No	Yes
19/02/2019	14962726	8808019	15 Momona Rd	Greenlane	N/A	L1	566	Roots	0	No	No	Yes
19/02/2019	14962762	8968022	2/13 Maungarei Rd	Remuera	N/A	L1	80	Roots	0	No	No	Yes
19/02/2019	14964753	8790764	136 Marua Rd	Mt Wellington	N/A	L1	154	Broken pipe	0	No	No	Yes
19/02/2019	14964887	8987047	1/62 Atkin Ave	Mission Bay	N/A	L1	222	Roots	0	No	No	Yes
20/02/2019	14966632	8978970	54 Allum St	Kohimarama	N/A	L1	133	Rubbish	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/02/2019	14966757	8967671	17 Coldham Cres	Meadowbank	N/A	L1	119	Roots	0	No	No	Yes
21/02/2019	14969157	8967427	52 Panapa Dr	St Johns	N/A	L1	176	Fat	0	No	No	Yes
22/02/2019	14973516	9172195	37 Rarangi Rd	St Heliers	N/A	L1	75	Roots	14	No	No	Yes
23/02/2019	14975234	8799581	61B Melanesia Rd	Kohimarama	N/A	L1	1301	Unknown	6	No	No	Yes
24/02/2019	14976825	8791796	66D Greenlane East	Remuera	N/A	L1	166	Silts	4.5	No	No	Yes
25/02/2019	14978301	8996381	3/18 Ngapipi Rd	Orakei	N/A	L1	29	Unknown	0	No	No	Yes
26/02/2019	14982137	8799581	3/4 Averill Ave	Kohimarama	N/A	L1	317	Fat	0	No	No	Yes
26/02/2019	14982273	8978635	3 Eltham Rd	Kohimarama	N/A	L1	290	Fat	0	No	No	Yes
28/02/2019	14987444	8978818	259 St Heliers Bay Rd	St Heliers	N/A	L1	622	Unknown	0	No	No	Yes
1/03/2019	14990933	8996536	32 Coates Ave	Orakei	N/A	L1	91	Roots	0	No	No	Yes
4/03/2019	14995971	8978530	66A Hawera Rd	Kohimarama	N/A	L1	264	Roots	0	No	No	Yes
7/03/2019	15006273	8990172	6 Morrow St	Newmarket	N/A	L1	318	Unknown	0	No	No	Yes
8/03/2019	15011448	8996090	72 Reihana St	Orakei	N/A	L1	141	Rubbish	17.5	No	No	Yes
10/03/2019	15014000	8975392	30 Fern Glen Rd-N	St Heliers	N/A	L1	846	Rags	0	No	No	Yes
10/03/2019	15014171	8974289	308 St Heliers Bay Rd	St Heliers	N/A	L1	600	Roots	0	No	No	Yes
11/03/2019	15016243	9224593	6 Mitchelson St	Ellerslie	N/A	L1	81	Foreign Object	0	No	No	Yes
15/03/2019	15027367	8975526	23 Springcombe Rd	St Heliers	N/A	L1	79	Roots	0	No	No	Yes
16/03/2019	15030459	8968058	81 Maungarei Rd	Remuera	N/A	L1	103	Roots	0	No	No	Yes
17/03/2019	15031093	8967521	49 Ballarat St	Mt Wellington	N/A	L1	159	Rags	0	No	No	Yes
18/03/2019	15033108	9226796	1 Atareta St	Orakei	N/A	L1	220	Foreign Object	6.5	No	No	Yes
19/03/2019	15037926	8981211	32 Corinth St	Remuera	N/A	L1	1316	Unknown	4	No	No	Yes
20/03/2019	15038661	8969497	13 Market Rd	Remuera	N/A	L1	90	Rubbish	0	No	No	Yes
22/03/2019	15045315	8990234	2 Mt Hobson Rd	Remuera	N/A	L1	53	Roots	0	No	No	Yes
23/03/2019	15047785	8990234	2 Mt Hobson Rd	Remuera	N/A	L1	250	Roots	0	No	No	Yes
23/03/2019	15048399	8979100	8 Lawndale Pl	St Heliers	10	L3	891	3rd party damage	0	Yes	Yes	Yes
26/03/2019	15055241	9247260	52 Lillington Rd	Remuera	N/A	L1	70	Fat	0	No	No	Yes
26/03/2019	15055727	8967725	7 Pyatt Cres	Meadowbank	N/A	L1	890	Roots	0	No	No	Yes
27/03/2019	15058641	8989792	6 Morrow St	Newmarket	N/A	L1	126	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
30/03/2019	15065692	8986960	20A Bongard Rd	Mission Bay	N/A	L1	102	Roots	0	No	No	Yes
30/03/2019	15066039	9172521	37A Meadowbank Rd	Meadowbank	N/A	L1	147	Unknown	0	No	No	Yes
1/04/2019	15068821	8970160	14 Kipling Ave	Epsom	N/A	L1	1347	Surcharging	31	No	No	Yes
2/04/2019	15073091	9023428	15C Sprott Rd	Kohimarama	N/A	L1	176	Unknown	3	No	No	Yes
3/04/2019	15075206	8979128	14 Hampton Dr	Kohimarama	N/A	L1	142	Roots	0	No	No	Yes
4/04/2019	15077759	8970477	271B Gillies Ave	Epsom	N/A	L1	224	Unknown	0	No	No	Yes
8/04/2019	15086804	9000007	19 Papahia St	Parnell	N/A	L1	1400	Roots	0	No	No	Yes
8/04/2019	15087666	8968636	1/52 Amy St	Ellerslie	N/A	L1	64	Rags	0	No	No	Yes
9/04/2019	15090242	8989257	26A Dilworth Ave	Remuera	N/A	L1	277	Unknown	0	No	No	Yes
10/04/2019	15094038	9249581	24 Mcfarland St	Remuera	N/A	L1	418	Unknown	0	No	No	Yes
17/04/2019	15112490	8978392	2/73 Speight Rd	Kohimarama	N/A	L1	48	Foreign Object	0	No	No	Yes
18/04/2019	15116725	8996425	90 Paritai Dr	Orakei	-	L3	81	Fat	0	Yes	Yes	Yes
18/04/2019	15117356	9001687	154 St Johns Rd	Meadowbank	N/A	L1	139	Fat	0	No	No	Yes
18/04/2019	15117390	50048087	35 Fern Glen Rd-S	St Heliers	N/A	L1	1032	3rd party damage	0	No	No	Yes
19/04/2019	15119774	8978936	20 Hampton Dr	Kohimarama		L2	121	Roots	0	No	No	Yes
21/04/2019	15121013	8968376	8 Grand Dr	Remuera	N/A	L1	109	Fat	0	No	No	Yes
21/04/2019	15121020	8981803	4 Brookland Pl	Remuera	N/A	L1	120	Unknown	0	No	No	Yes
23/04/2019	15122461	8969261	40 Ohinerau St	Remuera	N/A	L1	271	Unknown	7.5	No	No	Yes
23/04/2019	15122604	8996442	42 Ngake St	Orakei	N/A	L1	346	Roots	7.5	No	No	Yes
23/04/2019	15123134	9225609	25 Entrican Ave	Remuera	N/A	L1	236	Unknown	7.5	No	No	Yes
23/04/2019	15123274	8968910	11 Somerfield St	Ellerslie	N/A	L1	301	Unknown	7.5	No	No	Yes
23/04/2019	15123469	8996307	1/1 Watene Cres	Orakei	N/A	L1	197	Fat	7.5	No	No	Yes
23/04/2019	15123938	8981610	3/19 Upland Rd	Remuera	N/A	L1	86	Roots	7.5	No	No	Yes
23/04/2019	15124732	8970574	113 The Drive	Epsom	N/A	L1	111	3rd party damage	7.5	No	No	Yes
26/04/2019	15130810	9249640	14A Waiata Ave	Remuera	N/A	L1	168	Broken pipe	0	No	No	Yes
27/04/2019	15133181	9173226	1 Mt St John Ave	Epsom	N/A	L1	1236	Broken pipe	0	No	No	Yes
29/04/2019	15136252	8802393	12A Dempsey St	Remuera	N/A	L1	220	Roots	6	No	No	Yes
29/04/2019	15136292	8978536	8 Tulagi Pl	Kohimarama	N/A	L1	145	Broken Pipe	6	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
30/04/2019	15139685	8980999	2/16 Dorchester St	Meadowbank	N/A	L1	134	Rubbish	1.5	No	No	Yes
30/04/2019	15140218	8989245	51 Ayr St	Parnell	N/A	L1	115	Roots	1.5	No	No	Yes
2/05/2019	15145202	8970431	34 The Drive	Epsom	N/A	L1	72	Fat	0	No	No	Yes
2/05/2019	15145402	8989916	3/32 Ranfurly Rd	Epsom	N/A	L1	88	Unknown	0	No	No	Yes
2/05/2019	15145682	8978970	54 Allum St	Kohimarama	N/A	L1	236	Unknown	0	No	No	Yes
4/05/2019	15152378	8978926	4 Berowald Pl	St Heliers	N/A	L1	68	Rags	1	No	No	Yes
10/05/2019	15169108	8978518	13A Melanesia Rd	Kohimarama	N/A	L1	109	Broken pipe	6	No	No	Yes
11/05/2019	15173438	8989888	5 Cornwall Park Ave	Epsom	N/A	L1	111	Fat	0	No	No	Yes
13/05/2019	15176735	8968679	3/33 Abbots Way	Remuera	N/A	L1	181	Broken Pipe	2	No	No	Yes
13/05/2019	15178378	8968679	3/33 Abbots Way	Remuera	N/A	L1	988	Broken Pipe	2	No	No	Yes
14/05/2019	15179558	9009983	43 Mahoe Ave	Remuera	N/A	L1	110	Roots	0	No	No	Yes
14/05/2019	15180092	9226434	24 Clyde St	Epsom	N/A	L1	86	Roots	0	No	No	Yes
15/05/2019	15183768	8978828	271A St Heliers Bay Rd	St Heliers	N/A	L1	151	Roots	3	No	No	Yes
18/05/2019	15193231	8975510	32 Glover Rd	St Heliers	N/A	L1	250	Fat	0	No	No	Yes
20/05/2019	15196049	8979020	45A Southern Cross Rd	Kohimarama	N/A	L1	17	Broken pipe	0	No	No	Yes
20/05/2019	15196588	8825639	43 Mahoe Ave	Remuera	N/A	L1	118	Fat	0	No	No	Yes
20/05/2019	15197121	8808150	2A Mt Hobson Rd	Remuera	N/A	L1	100	Unknown	0	No	No	Yes
21/05/2019	15198557	8990231	24 Clyde St	Epsom	N/A	L1	414	Unknown	0	No	No	Yes
22/05/2019	15202131	8989661	57 Market Rd	Remuera	N/A	L1	199	Fat	0	No	No	Yes
22/05/2019	15202771	8978737	46 Sayegh St	St Heliers	N/A	L1	130	Roots	0	No	No	Yes
23/05/2019	15205474	8975671	35 Vale Rd	St Heliers	N/A	L1	221	3rd party damage	0.5	No	No	Yes
23/05/2019	15206132	8979126	80 Allum St	Kohimarama	N/A	L1	98	Rags	0.5	No	No	Yes
24/05/2019	15208801	8970160	14 Kipling Ave	Epsom	N/A	L1	192	3rd party damage	0	No	No	Yes
25/05/2019	15211158	50082103	14B Burwood Cres	Remuera	N/A	L1	128	Fat	0	No	No	Yes
26/05/2019	15212182	8990027	432 Khyber Pass Rd	Newmarket	N/A	L1	137	Rubbish	0	No	No	Yes
27/05/2019	15215969	8967814	28 Rosepark Cres	Remuera	N/A	L1	156	Unknown	0	No	No	Yes
29/05/2019	15222457	9010016	2/71 Victoria Ave	Remuera	N/A	L1	103	Roots	2.5	No	No	Yes
29/05/2019	15223344	9249576	2/733 Remuera Rd	Remuera	N/A	L1	77	Roots	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/05/2019	15223490	9249581	487 Parnell Rd	Parnell	N/A	L1	88	Unknown	2.5	No	No	Yes
29/05/2019	15223559	9249581	757 Remuera Rd	Remuera	N/A	L1	135	Unknown	2.5	No	No	Yes
31/05/2019	15228078	8981361	89C Lucerne Rd	Remuera	N/A	L1	214	Fat	26	No	No	Yes
31/05/2019	15228587	50182465	3/71 Victoria Ave	Remuera	N/A	L1	115	Unknown	26	No	No	Yes
2/06/2019	15230367	8975715	59 Devore St	St Heliers	N/A	L1	160	Unknown	5.5	No	No	Yes
2/06/2019	15230746	9224576	52 Lillington Rd	Remuera	N/A	L1	69	Roots	5.5	No	No	Yes
4/06/2019	15233186	8802284	5A Kenny Rd	Remuera	N/A	L1	91	Rubbish	0	No	No	Yes
5/06/2019	15236107	9001354	6 Crocus Pl	Remuera	N/A	L1	199	Roots	25.5	No	No	Yes
5/06/2019	15237633	9042622	96 Lucerne Rd	Remuera	N/A	L1	79	Roots	25.5	No	No	Yes
5/06/2019	15237857	8978828	259A St Heliers Bay Rd	St Heliers	N/A	L1	137	Fat	25.5	No	No	Yes
5/06/2019	15237947	8968800	162 Main Highway	Ellerslie	N/A	L1	44	Surcharging	25.5	No	No	Yes
6/06/2019	15240785	8990521	25 Glenfell Pl	Epsom	N/A	L1	966	Roots	4	No	No	Yes
8/06/2019	15245171	8968773	120 Main Highway	Ellerslie	N/A	L1	71	Unknown	0	No	No	Yes
8/06/2019	15245778	8792604	13A Merivale Ave	Epsom	N/A	L1	77	Roots	0	No	No	Yes
9/06/2019	15246320	8968096	44A Richard Farrell Ave	Remuera	N/A	L1	80	Roots	0	No	No	Yes
9/06/2019	15246362	8968749	160 Main Highway	Ellerslie	N/A	L1	67	Fat	0	No	No	Yes
11/06/2019	15250984	8978435	35 Edmund St	St Heliers	N/A	L1	563	Roots	0	No	No	Yes
14/06/2019	15261790	8987276	2/31 Rukutai St	Mission Bay	N/A	L1	93	Fat	0	No	No	Yes
20/06/2019	15275436	8975332	15 Parkside St	St Heliers	N/A	L1	64	Broken Pipe	4	No	No	Yes
20/06/2019	15276003	8975715	59 Devore St	St Heliers	N/A	L1	84	Roots	4	No	No	Yes
21/06/2019	15281445	8989541	6-8 Belvedere St	Epsom	N/A	L1	137	Roots	5	No	No	Yes
22/06/2019	15282814	8978536	8 Tulagi Pl	Kohimarama	N/A	L1	81	Roots	0	No	No	Yes
24/06/2019	15285692	8975231	56 Lunn Ave	Mt Wellington	N/A	L1	68	Roots	0.5	No	No	Yes
24/06/2019	15286358	8978694	15B Hawera Rd	Kohimarama	N/A	L1	151	Roots	0.5	No	No	Yes

Table 23: Overflows in the Onehunga Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/07/2018	14405411	8977309	6A Fairsea Pl	Mt Roskill	N/A	L1	118	Rubbish	1	No	No	Yes
3/07/2018	14407379	8813853	24 Pleasant St	Onehunga	N/A	L1	354	Roots	2.5	No	No	Yes
7/07/2018	14418796	8995772	451 Onehunga Mall	Onehunga	N/A	L1	427	Broken pipe	0	No	No	Yes
9/07/2018	14422350	8999072	89 Te Kawa Rd	Greenlane	N/A	L1	62	Rags	5.5	No	No	Yes
9/07/2018	14422359	8995085	7 Selwyn St	Onehunga	N/A	L1	59	Rags	5.5	No	No	Yes
10/07/2018	14425060	8998664	18-24 Botha Rd	Penrose	N/A	L1	129	Rubbish	5.5	No	No	Yes
10/07/2018	14426032	8819583	20A Budock Rd	Hillsborough	N/A	L1	178	Roots	5.5	No	No	Yes
11/07/2018	14426812	8976206	83B Goodall St	Hillsborough	N/A	L1	121	Fat	0.5	No	No	Yes
13/07/2018	14432118	8994723	Victoria St	Onehunga	N/A	L1	1404	Broken pipe	0	No	No	Yes
13/07/2018	14432403	8994775	63 Spring St	Onehunga	N/A	L1	91	Rags	0	No	No	Yes
14/07/2018	14435164	8995186	405 Hillsborough Rd	Mt Roskill	N/A	L1	171	Roots	2	No	No	Yes
15/07/2018	14435617	8976589	2 Captains Retreat	Waikowhai	N/A	L1	155	Unknown	64.5	No	No	Yes
17/07/2018	14440772	8813591	3/52A Campbell Rd	One Tree Hill	N/A	L1	70	Surcharging	0.5	No	No	Yes
19/07/2018	14447617	8976210	36 Hoskins Ave	Hillsborough	N/A	L1	1074	Unknown	0	No	No	Yes
20/07/2018	14449426	9011003	77 Halsey Dr	Mt Roskill	N/A	L1	90	Roots	2	No	No	Yes
21/07/2018	14451713	8976210	36 Hoskins Ave	Hillsborough	N/A	L1	139	Rags	0	No	No	Yes
23/07/2018	14455953	8995286	86 Trafalgar St	Onehunga	N/A	L1	115	Unknown	1.5	No	No	Yes
25/07/2018	14463778	9002441	65A Buckley Rd	Epsom	N/A	L1	101	Unknown	2.5	No	No	Yes
27/07/2018	14469198	9002532	1/37 Epsom Ave	Epsom	N/A	L1	342	Roots	1.5	No	No	Yes
2/08/2018	14483757	8977491	59 Seacliffe Rd	Onehunga	N/A	L1	125	Rubbish	0.5	No	No	Yes
2/08/2018	14484264	9002441	3/65 Buckley Rd	Epsom	N/A	L1	61	Rubbish	0.5	No	No	Yes
3/08/2018	14486953	9002763	30G Beachcroft Ave	Onehunga	N/A	L1	90	Surcharging	5	No	No	Yes
3/08/2018	14488281	8994688	12 Alfred St	Onehunga	N/A	L1	919	3rd party damage	5	No	No	Yes
10/08/2018	14504226	9002766	27C Seacliffe Rd	Onehunga	N/A	L1	33	Unknown	0	No	No	Yes
13/08/2018	14509552	8994722	35 Victoria St	Onehunga	N/A	L1	239	Rags	5.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/08/2018	14517877	8999102	55 Maungakiekie Ave	One Tree Hill	N/A	L1	111	Roots	2.5	No	No	Yes
17/08/2018	14522682	9002745	71 Hendry Ave	Hillsborough	N/A	L1	105	Rags	11	No	No	Yes
19/08/2018	14524067	8994509	74 Alfred St	Onehunga	N/A	L1	230	Rubbish	0	No	No	Yes
19/08/2018	14524122	8977249	4A Lynfield Pl	Mt Roskill	N/A	L1	214	Fat	0	No	No	Yes
20/08/2018	14527029	8994414	2-4 Mountjoy Pl	Onehunga	N/A	L1	99	Fat	2	No	No	Yes
21/08/2018	14529261	8969334	13 Adam St	Greenlane	N/A	L1	109	Rubbish	5	No	No	Yes
21/08/2018	14530819	8976755	13 James Tyler Cres	Mt Roskill	N/A	L1	146	Foreign Object	5	No	No	Yes
23/08/2018	14534880	8994509	72 Alfred St	Onehunga	-	L2	259	Rubbish	3	No	No	Yes
24/08/2018	14537625	9004940	67 O'Rorke Rd	Penrose	N/A	L1	79	Rubbish	3	No	No	Yes
24/08/2018	14538032	8969334	13 Adam St	Greenlane	N/A	L1	188	Roots	3	No	No	Yes
24/08/2018	14539493	8977351	69 The Avenue	Lynfield	N/A	L1	127	Foreign Object	3	No	No	Yes
27/08/2018	14541683	9002593	23 Bingley Ave	Royal Oak	N/A	L1	83	Roots	0.5	No	No	Yes
29/08/2018	14548149	8994399	45A Heretaunga Ave	Te Papapa	N/A	L1	96	Rubbish	41	No	No	Yes
29/08/2018	14548547	8999072	99 Te Kawa Rd	Greenlane	N/A	L1	63	Surcharging	41	No	No	Yes
29/08/2018	14550431	8998664	18-24 Botha Rd	Penrose	N/A	L1	884	Fat	41	No	No	Yes
31/08/2018	14556460	8995978	60 Symonds St	Onehunga	N/A	L1	1152	Fat	15	No	No	Yes
2/09/2018	14557769	8994257	103 Mays Rd	Te Papapa	N/A	L1	316	Fat	18	No	No	Yes
5/09/2018	14567458	8995322	8 Grey St	Onehunga	N/A	L1	60	Roots	0	No	No	Yes
7/09/2018	14573114	8995322	8 Grey St	Onehunga	N/A	L1	82	Roots	0.5	No	No	Yes
9/09/2018	14574146	9002537	3 Coronation Rd	Epsom	N/A	L1	320	Broken pipe	0	No	No	Yes
15/09/2018	14591990	8994581	31 Mays Rd	Te Papapa	N/A	L1	122	Rubbish	0	No	No	Yes
17/09/2018	14594775	8976850	43 Oriana Ave	Lynfield	N/A	L1	118	Roots	1	No	No	Yes
18/09/2018	14596782	.	40A Normans Hill Rd	Onehunga	N/A	L1	85	Rubbish	9	No	No	Yes
19/09/2018	14600354	9002975	1/579 Mt Albert Rd	Royal Oak	N/A	L1	152	Silts	0	No	No	Yes
20/09/2018	14603906	9002093	30B Seacliffe Rd	Onehunga	N/A	L1	147	Rubbish	0	No	No	Yes
22/09/2018	14609591	8977206	23 Commodore Dr	Lynfield	N/A	L1	1025	Roots	0.5	No	No	Yes
24/09/2018	14612285	8999808	19 Kowhatu Rd	Greenlane	N/A	L1	90	Fat	7.5	No	No	Yes
24/09/2018	14613493	8999441	13 Edmonton Ave	Onehunga	N/A	L1	855	Rags	7.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
26/09/2018	14617586	8994576	2B Arapuni Ave	Onehunga	-	L3	113	Rubbish	1	Yes	Yes	Yes
26/09/2018	14618011	8998925	11 Ewenson Ave	Ellerslie	N/A	L1	161	Rubbish	1	No	No	Yes
26/09/2018	14619822	8999441	13 Edmonton Ave	Onehunga	N/A	L1	116	Unknown	1	No	No	Yes
4/10/2018	14638656	9003056	18 Hillsborough Rd	Hillsborough	N/A	L1	96	Rubbish	0	No	No	Yes
6/10/2018	14643222	8995338	40A Normans Hill Rd	Onehunga	N/A	L1	69	Rubbish	0	No	No	Yes
6/10/2018	14643307	8996061	16 Arthur St	Onehunga	N/A	L1	106	Rubbish	0	No	No	Yes
6/10/2018	14643535	9002314	100 Pah Rd	Royal Oak	N/A	L1	49	Roots	0	No	No	Yes
7/10/2018	14644361	8968944	12 Walpole St	Ellerslie	N/A	L1	238	3rd party damage	0	No	No	Yes
7/10/2018	14644375	8977221	2 Halsey Dr	Mt Roskill	N/A	L1	67	Roots	0	No	No	Yes
8/10/2018	14645951	8977139	11 Flavia Pl	Lynfield	N/A	L1	152	Rubbish	0	No	No	Yes
8/10/2018	14646838	9002284	18 Beckenham Ave	Royal Oak	N/A	L1	82	Rubbish	0	No	No	Yes
11/10/2018	14656669	8995973	10 Boyd Ave	Onehunga	N/A	L1	416	Broken pipe	12	No	No	Yes
12/10/2018	14662546	50049837	23 Atarangi Rd	Greenlane	N/A	L1	130	Fat	7	No	No	Yes
13/10/2018	14663263	9010289	33A Frederick St	Hillsborough	N/A	L1	129	Fat	0	No	No	Yes
15/10/2018	14665097	9002565	1 Heywood Cres	Epsom	N/A	L1	159	Rubbish	0	No	No	Yes
18/10/2018	14677650	8816587	33 Angle St	Te Papapa	N/A	L1	180	Fat	1	No	No	Yes
18/10/2018	14678027	8999808	19 Kowhatu Rd	Greenlane	N/A	L1	190	Roots	1	No	No	Yes
22/10/2018	14684037	8976972	1 Rangitiki Cres	Lynfield	N/A	L1	199	Broken Pipe	0	No	No	Yes
23/10/2018	14685354	8994510	72 Alfred St	Onehunga	-	L2	68	Rubbish	0	No	No	Yes
23/10/2018	14685627	9002314	100 Pah Rd	Royal Oak	N/A	L1	109	Unknown	0	No	No	Yes
23/10/2018	14687893	9002367	79A Pah Rd	Epsom	N/A	L1	726	Fat	0	No	No	Yes
25/10/2018	14692864	9002479	27 Gardner Rd	Epsom	N/A	L1	96	Roots	0	No	No	Yes
28/10/2018	14700764	8977078	4 Athenic Ave	Lynfield	N/A	L1	97	Roots	1	No	No	Yes
1/11/2018	14713107	8998897	5 Waiohina Rd	Greenlane	N/A	L1	123	3rd party damage	7	No	No	Yes
14/11/2018	14746887	8999119	184 Campbell Rd	Greenlane	N/A	L1	135	Rubbish	0	No	No	Yes
14/11/2018	14747764	8977528	2/45A Frederick St	Hillsborough	N/A	L1	82	Roots	0	No	No	Yes
19/11/2018	14759975	9227139	15B Buckley Rd	Epsom	N/A	L1	32	Fat	9	No	No	Yes
21/11/2018	14764242	8791655	2 Newhaven St	Ellerslie	N/A	L1	94	Unknown	6	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/11/2018	14773560	8977111	1 Athenic Ave	Lynfield	N/A	L1	133	Unknown	8.5	No	No	Yes
25/11/2018	14773633	8977352	84 The Avenue	Lynfield	N/A	L1	94	Unknown	8.5	No	No	Yes
26/11/2018	14775757	8976954	602- Hillsborough Rd	Mt Roskill	N/A	L1	114	Fat	7.5	No	No	Yes
2/12/2018	14791532	8819790	33 Bel Air Dr	Hillsborough	N/A	L1	85	Rubbish	0	No	No	Yes
4/12/2018	14795988	8977111	1 Athenic Ave	Lynfield	N/A	L1	51	Surcharging	10	No	No	Yes
12/12/2018	14816833	8995948	14 Erson Ave	Royal Oak	N/A	L1	85	Fat	0	No	No	Yes
16/12/2018	14825319	9002445	9 Gorrie Ave	Royal Oak	N/A	L1	337	Unknown	1.5	No	No	Yes
18/12/2018	14829934	8811842	269 Mt Smart Rd	Onehunga	N/A	L1	345	Silts	0	No	No	Yes
18/12/2018	14831324	8998711	269 Mt Smart Rd	Onehunga	N/A	L1	1112	Broken Pipe	0	No	No	Yes
21/12/2018	14840314	8813625	84 Symonds St	Onehunga	N/A	L1	213	Broken pipe	4.5	No	No	Yes
21/12/2018	14840543	8995511	35 Symonds St	Onehunga	N/A	L1	154	Roots	4.5	No	No	Yes
1/01/2019	14852904	8798384	1 Athenic Ave	Lynfield	N/A	L1	192	Surcharging	0	No	No	Yes
6/01/2019	14859388	8995830	33 Campbell Rd	One Tree Hill	N/A	L1	125	Unknown	0	No	No	Yes
8/01/2019	14864465	8819417	9A Buckley Rd	Epsom	N/A	L1	88	Fat	0	No	No	Yes
9/01/2019	14866291	8812917	5/47 Moana Ave	Onehunga	N/A	L1	128	Unknown	0	No	No	Yes
9/01/2019	14868424	8995581	5/47 Moana Ave	Onehunga	N/A	L1	126	Roots	0	No	No	Yes
11/01/2019	14872945	8999521	109B Paihia Rd	Onehunga	N/A	L1	141	Unknown	0	No	No	Yes
14/01/2019	14877949	8791722	18A Adam St	Greenlane	N/A	L1	138	Rubbish	22.5	No	No	Yes
14/01/2019	14878763	8976467	9 Saran Pl	Mt Roskill	N/A	L1	110	Roots	22.5	No	No	Yes
16/01/2019	14883211	9002424	9A Buckley Rd	Epsom	N/A	L1	63	Unknown	0	No	No	Yes
16/01/2019	14884302	.	30G Beachcroft Ave	Onehunga	N/A	L1	91	Broken pipe	0	No	No	Yes
17/01/2019	14886339	9002763	30G Beachcroft Ave	Onehunga	N/A	L1	155	Roots	0	No	No	Yes
18/01/2019	14888828	8798285	10 Sylvania Cres	Lynfield	N/A	L1	138	Roots	0	No	No	Yes
19/01/2019	14891476	8798006	52 Aldersgate Rd	Hillsborough	N/A	L1	171	Rags	0	No	No	Yes
24/01/2019	14903764	8995231	10 Quadrant Rd	Onehunga	N/A	L1	82	Unknown	2.5	No	No	Yes
25/01/2019	14905887	8976579	66 Aldersgate Rd	Hillsborough	N/A	L1	73	Fat	0	No	No	Yes
30/01/2019	14916147	8999886	68 Amaru Rd	Onehunga	N/A	L1	73	Unknown	0	No	No	Yes
2/02/2019	14924648	8995697	1 Amaru Rd	Onehunga	N/A	L1	153	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/02/2019	14926620	9002270	1/35 Pah Rd	Epsom	N/A	L1	51	Fat	0	No	No	Yes
4/02/2019	14926733	8998846	49 Konini Rd	Greenlane	N/A	L1	87	Roots	0	No	No	Yes
6/02/2019	14932677	8995980	74 Symonds St	Onehunga	N/A	L1	427	Fat	0.5	No	No	Yes
14/02/2019	14951938	8998862	21 Rangipawa Rd	Onehunga	N/A	L1	84	Unknown	0	No	No	Yes
16/02/2019	14957940	8798766	77 Halsey Dr	Mt Roskill	N/A	L1	153	Roots	0	No	No	Yes
20/02/2019	14966590	8976289	20 Abraham Pl	St Johns	N/A	L1	302	Unknown	0	No	No	Yes
20/02/2019	14967688	8998625	18-24 Botha Rd	Penrose	N/A	L1	214	Unknown	0	No	No	Yes
24/02/2019	14977054	8995928	49 Forbes St	Onehunga	N/A	L1	1317	Roots	3	No	No	Yes
1/03/2019	14992557	8999527	12 Rangipawa Rd	Onehunga	N/A	L1	65	Unknown	0	No	No	Yes
7/03/2019	15008651	8976750	23 James Tyler Cres	Mt Roskill	N/A	L1	58	Unknown	0	No	No	Yes
10/03/2019	15013494	8977567	30 Stephen Lysnar Pl	Hillsborough	N/A	L1	81	Roots	0	No	No	Yes
10/03/2019	15014064	8977281	5B Himalaya Cres	Lynfield	N/A	L1	75	Roots	0	No	No	Yes
11/03/2019	15015048	8998862	21 Rangipawa Rd	Onehunga	N/A	L1	91	Rubbish	0	No	No	Yes
16/03/2019	15030389	8998863	42-46 Rangipawa Rd	Onehunga	-	L2	196	Unknown	0	No	No	Yes
23/03/2019	15048248	8995933	707- Manukau Rd	Royal Oak	N/A	L1	375	Fat	0	No	No	Yes
24/03/2019	15048745	8995239	12 Quadrant Rd	Onehunga	N/A	L1	136	Unknown	0	No	No	Yes
24/03/2019	15049067	8995490	102 Beachcroft Ave	Onehunga	N/A	L1	1225	Unknown	0	No	No	Yes
24/03/2019	15049192	8998863	42-46 Rangipawa Rd	Onehunga	N/A	L1	74	Rubbish	0	No	No	Yes
26/03/2019	15054954	8995239	12 Quadrant Rd	Onehunga	N/A	L1	72	Unknown	0	No	No	Yes
29/03/2019	15063269	8998862	21 Rangipawa Rd	Onehunga	N/A	L1	149	Rags	0	No	No	Yes
3/04/2019	15076853	9002252	11 Pukehana Ave	Epsom	N/A	L1	126	Fat	0	No	No	Yes
8/04/2019	15088276	8998664	18-24 Botha Rd	Penrose	N/A	L1	83	Rubbish	0	No	No	Yes
16/04/2019	15111621	8998891	Great South Rd	Ellerslie	N/A	L1	83	Rubbish	0	No	No	Yes
18/04/2019	15117085	8999442	14 Waitangi Rd	Onehunga	N/A	L1	65	Rags	0	No	No	Yes
22/04/2019	15121710	8999067	5 Irirangi Rd	Greenlane	N/A	L1	228	Unknown	12.5	No	No	Yes
26/04/2019	15130834	9226754	1/336 Onehunga Mall	Onehunga	N/A	L1	92	Roots	0	No	No	Yes
27/04/2019	15133102	9038993	3 Ngapora St	One Tree Hill	N/A	L1	61	Roots	0	No	No	Yes
29/04/2019	15136464	9002764	1/27 Seacliffe Rd	Onehunga	N/A	L1	88	Unknown	8	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/04/2019	15137190	8813494	1/22 Tawa Rd	Onehunga	N/A	L1	117	Unknown	8	No	No	Yes
6/05/2019	15156406	9002951	2B Bel Air Dr	Hillsborough	N/A	L1	822	Roots	0	No	No	Yes
7/05/2019	15160297	8995322	10 Grey St	Onehunga	N/A	L1	181	Unknown	0	No	No	Yes
11/05/2019	15174274	8998968	53 Main Highway	Ellerslie	N/A	L1	90	Rags	0	No	No	Yes
14/05/2019	15180337	8998712	269 Mt Smart Rd	Onehunga	N/A	L1	233	Unknown	0	No	No	Yes
14/05/2019	15181325	8976399	192 Hillsborough Rd	Hillsborough	N/A	L1	147	Roots	0	No	No	Yes
17/05/2019	15191531	8999364	269 Mt Smart Rd	Onehunga	N/A	L1	743	Fat	0.5	No	No	Yes
21/05/2019	15198788	8998708	269 Mt Smart Rd	Onehunga	N/A	L1	120	Fat	0	No	No	Yes
29/05/2019	15220112	8976515	27 Aldersgate Rd	Hillsborough	N/A	L1	143	Unknown	1	No	No	Yes
3/06/2019	15231286	8977250	4A Lynfield Pl	Mt Roskill	N/A	L1	50	Fat	0	No	No	Yes
6/06/2019	15239394	8998625	18-24 Botha Rd	Penrose	N/A	L1	272	Fat	7	No	No	Yes
9/06/2019	15246609	8995870	1/722 Manukau Rd	Royal Oak	N/A	L1	159	Silts	0	No	No	Yes
13/06/2019	15259210	8994945	5 Cameron St	Onehunga	N/A	L1	92	Fat	0.5	No	No	Yes
15/06/2019	15263914	8999584	1/5 Miro Rd	Greenlane	N/A	L1	143	Rags	1.5	No	No	Yes
18/06/2019	15271289	8995890	1/38 Inkerman St	Onehunga	N/A	L1	85	Unknown	0	No	No	Yes
18/06/2019	15271639	8976656	432 Hillsborough Rd	Mt Roskill	N/A	L1	932	3rd party damage	0	No	No	Yes
19/06/2019	15271704	9049145	131 Paritai Drive	Orakei	10	L3	0	Foreign Object	0	Yes	Yes	Yes
19/06/2019	15273078	8998634	5B Bassant Ave	Penrose	N/A	L1	236	Unknown	0	No	No	Yes
22/06/2019	15283042	8994781	8/126A Victoria St	Onehunga	N/A	L1	61	Fat	0	No	No	Yes
23/06/2019	15283780	8976734	24 Stanton Tce	Mt Roskill	N/A	L1	267	Rubbish	6	No	No	Yes
25/06/2019	15290507	8976652	432 Hillsborough Rd	Mt Roskill	N/A	L1	93	3rd party damage	0	No	No	Yes
29/06/2019	15302061	8976487	9 Saran Pl	Mt Roskill	N/A	L1	113	Roots	0	No	No	Yes

Table 24: Overflows in the Mangere Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/07/2018	14422172	6227516	67 Bader Dr	Mangere	N/A	L1	225	Fat	5.5	No	No	Yes
11/07/2018	14426909	6223889	127 Tennessee Ave	Mangere East	N/A	L1	544	Fat	0.5	No	No	Yes
11/07/2018	14427312	6225483	1/22 Andrew Baxter Dr	Mangere	N/A	L1	189	Rubbish	0.5	No	No	Yes
12/07/2018	14430145	6222191	160 Tennessee Ave	Mangere East	N/A	L1	73	Fat	1	No	No	Yes
13/07/2018	14433091	6221996	10R Mary Pl	Favona	N/A	L1	12	Fat	0	No	No	Yes
13/07/2018	14434283	6226766	15 Ashmore Pl	Mangere	N/A	L1	69	Unknown	0	No	No	Yes
15/07/2018	14435584	6227516	67 Bader Dr	Mangere	N/A	L1	83	Surcharging	64.5	No	No	Yes
15/07/2018	14435701	6039303	67 Bader Dr	Mangere	N/A	L1	26	Surcharging	64.5	No	No	Yes
15/07/2018	14435727	6222292	41 Chadwick Cres	Mangere East	N/A	L1	93	Fat	64.5	No	No	Yes
15/07/2018	14435921	6224865	1 Deborah Pl	Mangere	N/A	L1	1218	Surcharging	64.5	No	No	Yes
16/07/2018	14437329	6035634	267 Buckland Rd	Mangere East	N/A	L1	238	Surcharging	0.5	No	No	Yes
16/07/2018	14437434	8998231	1/43 Nikau Rd	Otahuhu	N/A	L1	332	Fat	0.5	No	No	Yes
16/07/2018	14439089	8815695	28 Park Ave	Otahuhu	N/A	L1	98	Broken pipe	0.5	No	No	Yes
16/07/2018	14439151	6227187	75 Bader Dr	Mangere	N/A	L1	242	Fat	0.5	No	No	Yes
19/07/2018	14447003	8998235	1/46 Nikau Rd	Otahuhu	N/A	L1	84	Rubbish	0	No	No	Yes
20/07/2018	14451100	6227152	29 Ashmore Pl	Mangere	N/A	L1	97	Fat	2	No	No	Yes
23/07/2018	14454505	6225474	9 Richard Pearse Dr	Mangere	N/A	L1	136	Rubbish	1.5	No	No	Yes
23/07/2018	14454691	8998235	1/46 Nikau Rd	Otahuhu	N/A	L1	145	3rd party damage	1.5	No	No	Yes
23/07/2018	14454709	6039528	2 Canning Cres	Mangere	N/A	L1	262	Foreign Object	1.5	No	No	Yes
24/07/2018	14457953	6225088	4 Woodward Ave	Mangere Bridge	N/A	L1	1401	3rd party damage	0	No	No	Yes
25/07/2018	14463297	6223596	160 Tennessee Ave	Mangere East	N/A	L1	125	Fat	2.5	No	No	Yes
26/07/2018	14466521	6225713	51 Crawford Ave	Mangere Bridge	N/A	L1	1071	Fat	0	No	No	Yes
30/07/2018	14472178	6226120	1/118 Coronation Rd	Mangere Bridge	N/A	L1	269	Fat	0	No	No	Yes
31/07/2018	14477346	6226133	110 Coronation Rd	Mangere Bridge	N/A	L1	237	Rubbish	0	No	No	Yes
1/08/2018	14480408	8998231	1/43 Nikau Rd	Otahuhu	N/A	L1	188	Fat	4	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/08/2018	14488304	6227780	2/4 Cornwall Rd	Mangere	N/A	L1	78	Roots	5	No	No	Yes
7/08/2018	14496553	6227165	49 Bader Dr	Mangere	N/A	L1	153	Fat	0	No	No	Yes
8/08/2018	14498574	8815780	76 Huia Rd	Otahuhu	N/A	L1	357	3rd party damage	10	No	No	Yes
10/08/2018	14506064	6698174	202 Massey Rd	Mangere East	N/A	L1	141	Rags	0	No	No	Yes
12/08/2018	14507158	6226766	15 Ashmore Pl	Mangere	N/A	L1	185	Fat	0	No	No	Yes
13/08/2018	14509098	6227541	3 Tarata Cres	Mangere	N/A	L1	197	Rubbish	5.5	No	No	Yes
13/08/2018	14510514	6039094	2/140 Hall Ave	Mangere	N/A	L1	1014	Fat	5.5	No	No	Yes
14/08/2018	14512134	8998312	59-87 Station Rd	Otahuhu	N/A	L1	73	Unknown	11.5	No	No	Yes
29/08/2018	14548856	7055681	22 Imrie Ave	Mangere	N/A	L1	213	Surcharging	41	No	No	Yes
29/08/2018	14549655	6222860	41 Chadwick Cres	Mangere East	N/A	L1	119	Surcharging	41	No	No	Yes
1/09/2018	14557208	6227003	144 Coronation Rd	Mangere Bridge	N/A	L1	91	Fat	0	No	No	Yes
2/09/2018	14557584	6222845	41 Chadwick Cres	Mangere East	N/A	L1	127	Fat	18	No	No	Yes
2/09/2018	14557919	50155468	5 Pate Cres	Mangere	N/A	L1	95	Broken pipe	18	No	No	Yes
3/09/2018	14560265	6222861	41 Chadwick Cres	Mangere East	N/A	L1	171	Fat	8	No	No	Yes
3/09/2018	14561126	6226949	16 Forbury Pl	Mangere	N/A	L1	1349	Fat	8	No	No	Yes
4/09/2018	14564258	6225837	3 Ridgemount Rise	Mangere Bridge	N/A	L1	1226	Rubbish	0	No	No	Yes
7/09/2018	14571382	6226218	1/105 Taylor Rd	Mangere Bridge	N/A	L1	59	Silts	0.5	No	No	Yes
9/09/2018	14574070	6035570	3 Balnoon Pl	Mangere East	N/A	L1	128	Fat	0	No	No	Yes
9/09/2018	14574345	6226746	17A Bede Pl	Mangere	N/A	L1	262	Fat	0	No	No	Yes
11/09/2018	14580145	6034687	223 James Fletcher Dr	Favona	N/A	L1	152	Roots	0	No	No	Yes
12/09/2018	14582875	6227408	8 Nevis Pl	Mangere	N/A	L1	257	Surcharging	0	No	No	Yes
13/09/2018	14587960	6225130	6 Rimu Rd	Mangere Bridge	N/A	L1	85	Fat	0	No	No	Yes
17/09/2018	14594981	50206760	126 Hugo Johnston Dr	Penrose	N/A	L1	136	Fat	1	No	No	Yes
19/09/2018	14602345	9008384	721 Great South Rd	Penrose	N/A	L1	98	Unknown	0	No	No	Yes
19/09/2018	14602384	6223961	1 Clyro Pl	Mangere East	N/A	L1	116	Fat	0	No	No	Yes
20/09/2018	14603340	8998501	31 Saleyards Rd	Otahuhu	N/A	L1	1381	Rubbish	0	No	No	Yes
26/09/2018	14619052	8998294	28 Station Rd	Otahuhu	N/A	L1	139	3rd party damage	1	No	No	Yes
27/09/2018	14622504	8998230	8 Awa St	Otahuhu	N/A	L1	87	Rubbish	1	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
27/09/2018	14623109	8998269	1-4/22 Station Rd	Otahuhu	N/A	L1	232	Foreign Object	1	No	No	Yes
28/09/2018	14624914	1575526	4/1 Savill Dr	Favona	N/A	L1	233	Fat	0.5	No	No	Yes
30/09/2018	14627183	6222801	94 Tennessee Ave	Mangere East	N/A	L1	113	Unknown	0	No	No	Yes
30/09/2018	14627493	8998294	28 Station Rd	Otahuhu	N/A	L1	113	3rd party damage	0	No	No	Yes
1/10/2018	14630512	6225137	24 Coronation Rd	Mangere Bridge	N/A	L1	106	Fat	0	No	No	Yes
2/10/2018	14632917	8998180	14 Saleyards Rd	Otahuhu	N/A	L1	76	Fat	3	No	No	Yes
3/10/2018	14635107	6483371	2/13 Korimako Ave	Mangere	1	L2	582	Fat	0	No	No	Yes
3/10/2018	14636505	6483371	1 Kambalda St	Mangere	N/A	L1	104	Unknown	0	No	No	Yes
8/10/2018	14647264	6225932	2/13 Korimako Ave	Mangere	N/A	L1	202	Foreign Object	0	No	No	Yes
19/10/2018	14679719	6225446	144 Mckenzie Rd	Mangere	N/A	L1	434	3rd party damage	0	No	No	Yes
19/10/2018	14680423	8816065	14 Saleyards Rd	Otahuhu	N/A	L1	108	Rubbish	0	No	No	Yes
19/10/2018	14681080	6225484	7 Brigade Rd	Mangere	N/A	L1	99	Foreign Object	0	No	No	Yes
20/10/2018	14682665	8998267	17-19 Mason Ave	Otahuhu	N/A	L1	67	Unknown	0	No	No	Yes
24/10/2018	14688702	6227395	30 Windrush Cl	Mangere	N/A	L1	89	Foreign Object	0	No	No	Yes
26/10/2018	14698207	1578829	20 Kirkbride Rd	Mangere	N/A	L1	1026	Silts	4	No	No	Yes
31/10/2018	14710280	8998460	70 Huia Rd	Otahuhu	N/A	L1	75	3rd party damage	0	No	No	Yes
2/11/2018	14718442	6223582	188 Tennessee Ave	Mangere East	N/A	L1	91	Rags	0	No	No	Yes
6/11/2018	14727167	6226261	149 Kirkbride Rd	Mangere	N/A	L1	139	Fat	0	No	No	Yes
8/11/2018	14732778	8998271	250 Great South Rd	Otahuhu	N/A	L1	237	Rags	0	No	No	Yes
9/11/2018	14735442	6223806	8 Rush Pl	Mangere	N/A	L1	43	Fat	3.5	No	No	Yes
9/11/2018	14735676	6222008	21R Norana Ave	Favona	-	L2	167	Fat	3.5	No	No	Yes
9/11/2018	14736336	6223806	11 Rush Pl	Mangere	N/A	L1	143	Fat	3.5	No	No	Yes
9/11/2018	14737106	6483872	29B Ferguson St	Mangere East	N/A	L1	186	Fat	3.5	No	No	Yes
10/11/2018	14737786	6225559	16 Church Rd	Mangere Bridge	N/A	L1	148	Fat	2	No	No	Yes
15/11/2018	14749706	6034584	21R Norana Ave	Favona	N/A	L1	178	Unknown	0	No	No	Yes
18/11/2018	14756673	6227703	35 Mascot Ave	Mangere	N/A	L1	1217	Foreign Object	0	No	No	Yes
19/11/2018	14757117	6038037	70 Hastie Ave	Mangere Bridge	N/A	L1	181	Fat	9	No	No	Yes
26/11/2018	14774777	8998460	70 Huia Rd	Otahuhu	N/A	L1	167	Broken pipe	7.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
26/11/2018	14775575	6225137	20B Coronation Rd	Mangere Bridge	N/A	L1	1356	Silts	7.5	No	No	Yes
26/11/2018	14775617	6223806	8 Rush Pl	Mangere	N/A	L1	168	Fat	7.5	No	No	Yes
27/11/2018	14779442	6227425	9 Paine Pl	Mangere	N/A	L1	10	Fat	3	No	No	Yes
4/12/2018	14795975	6035634	267 Buckland Rd	Mangere East	N/A	L1	160	Surcharging	10	No	No	Yes
4/12/2018	14796975	6225847	59 Mahunga Dr	Mangere Bridge	N/A	L1	302	Fat	10	No	No	Yes
12/12/2018	14816447	6226385	35 Aintree Ave	Mangere	N/A	L1	155	Fat	0	No	No	Yes
17/12/2018	14827507	1579545	74 Robertson Rd	Mangere East	N/A	L1	280	Unknown	0	No	No	Yes
17/12/2018	14828062	6226652	106 Walmsley Rd	Mangere	N/A	L1	626	Fat	0	No	No	Yes
18/12/2018	14829158	6226715	9 Hinaiu Rd	Mangere	N/A	L1	315	Unknown	0	No	No	Yes
20/12/2018	14835706	6224635	47 Gadsby Rd	Favona		L2	461	Surcharging	43.5	No	No	Yes
20/12/2018	14835958	6224622	37 Gadsby Rd	Favona	N/A	L1	417	Surcharging	43.5	No	No	Yes
20/12/2018	14835978	6224036	267 Buckland Rd	Mangere East	N/A	L1	550	Surcharging	43.5	No	No	Yes
20/12/2018	14836231	6222268	54 Mckinstry Ave	Mangere East	N/A	L1	350	Surcharging	43.5	No	No	Yes
20/12/2018	14837204	6035339	57 Mckinstry Ave	Mangere East	N/A	L1	170	Surcharging	43.5	No	No	Yes
20/12/2018	14837441	6037088	1 Enuanu Rd	Favona	N/A	L1	100	Unknown	43.5	No	No	Yes
26/12/2018	14845218	6037958	42 Taylor Rd	Mangere Bridge	N/A	L1	26	Unknown	0.5	No	No	Yes
27/12/2018	14845972	6035634	267 Buckland Rd	Mangere East	N/A	L1	231	Surcharging	0	No	No	Yes
28/12/2018	14848169	6222044	1/160 Favona Rd	Favona	N/A	L1	233	Surcharging	0	No	No	Yes
5/01/2019	14858723	6037958	42 Taylor Rd	Mangere Bridge	N/A	L1	171	Roots	0	No	No	Yes
7/01/2019	14862438	6035143	30 Garus Ave	Mangere East	N/A	L1	99	Unknown	0	No	No	Yes
8/01/2019	14865556	6035143	30 Garus Ave	Mangere East	N/A	L1	230	Fat	0	No	No	Yes
11/01/2019	14872671	6035315	55 Mckinstry Ave	Mangere East	N/A	L1	555	Unknown	0	No	No	Yes
12/01/2019	14874728	8998286	50 Station Rd	Otahuhu	N/A	L1	279	Unknown	0	No	No	Yes
12/01/2019	14874778	6222008	2/23 Norana Ave	Favona	N/A	L1	90	Unknown	0	No	No	Yes
14/01/2019	14878650	6034929	160 Tennessee Ave	Mangere East	N/A	L1	164	Surcharging	22.5	No	No	Yes
16/01/2019	14884100	8825346	421- Church St-E	Penrose	N/A	L1	259	Fat	0	No	No	Yes
18/01/2019	14889786	6227231	98R Bader Dr	Mangere	N/A	L1	116	Unknown	0	No	No	Yes
21/01/2019	14895897	6227023	45 Tilberg St	Mangere	N/A	L1	136	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/01/2019	14903209	6223764	207 Robertson Rd	Mangere East	N/A	L1	158	Fat	2.5	No	No	Yes
2/02/2019	14924374	6226949	16 Forbury Pl	Mangere	N/A	L1	213	Fat	0	No	No	Yes
3/02/2019	14924862	6228025	8 Claresholm Pl	Mangere Bridge	N/A	L1	104	Unknown	0	No	No	Yes
5/02/2019	14931200	9008418	421- Church St-E	Penrose	N/A	L1	97	Rubbish	0	No	No	Yes
5/02/2019	14931215	6223652	30 Garus Ave	Mangere East	N/A	L1	91	Fat	0	No	No	Yes
5/02/2019	14931363	6035739	28 Lyncroft St	Mangere East	-	L2	108	Unknown	0	No	No	Yes
8/02/2019	14937516	6227689	241R Kirkbride Rd	Mangere	N/A	L1	289	Fat	0	No	No	Yes
10/02/2019	14941107	6039000	23 Masters Pl	Mangere	N/A	L1	248	Unknown	0	No	No	Yes
11/02/2019	14942586	6227093	18 Gadsby Rd	Favona	N/A	L1	149	Fat	0	No	No	Yes
11/02/2019	14943444	6223652	30 Garus Ave	Mangere East	N/A	L1	224	Fat	0	No	No	Yes
11/02/2019	14944633	8998286	50 Station Rd	Otahuhu	N/A	L1	57	Fat	0	No	No	Yes
13/02/2019	14950770	6223596	172 Tennessee Ave	Mangere East	N/A	L1	85	Fat	0	No	No	Yes
14/02/2019	14952711	6224947	22 Duggan Ave	Mangere	N/A	L1	109	Fat	0	No	No	Yes
18/02/2019	14962003	6222760	12/202 Massey Rd	Mangere East	N/A	L1	77	Unknown	3	No	No	Yes
24/02/2019	14976763	6227855	12 Kemble Cl	Mangere	N/A	L1	347	3rd party damage	3	No	No	Yes
4/03/2019	14996466	9008428	Wtr/428 Church St-E	Penrose	N/A	L1	63	Unknown	0	No	No	Yes
6/03/2019	15003966	6039593	6 Norton Pl	Mangere	N/A	L1	290	Fat	0	No	No	Yes
8/03/2019	15010357	6039183	15 Ashmore Pl	Mangere	N/A	L1	300	Unknown	16.5	No	No	Yes
19/03/2019	15035876	6038712	1 Rennie Dr	Mangere	N/A	L1	512	Fat	0.5	No	No	Yes
21/03/2019	15043119	6225946	83 Mckenzie Rd	Mangere	N/A	L1	204	Fat	0	No	No	Yes
22/03/2019	15045167	6223669	55 Mckinstry Ave	Mangere East	N/A	L1	404	Fat	0	No	No	Yes
22/03/2019	15046402	6034930	13 Blake Rd	Mangere East	N/A	L1	145	Fat	0	No	No	Yes
26/03/2019	15055380	6223875	15 Blake Rd	Mangere East	N/A	L1	3	Fat	0	No	No	Yes
29/03/2019	15064299	6224474	14 Tannock Pl	Mangere East	6	L3	1284	Fat	0	Yes	Yes	Yes
30/03/2019	15065803	6223792	11 Coptic Pl	Mangere East	N/A	L1	262	Unknown	0	No	No	Yes
5/04/2019	15082877	6222388	28 Lyncroft St	Mangere East	N/A	L1	102	Fat	0	No	No	Yes
6/04/2019	15084263	6226653	96 Walmsley Rd	Mangere	N/A	L1	1392	3rd party damage	17.5	No	No	Yes
7/04/2019	15085275	9008430	421- Church St-E	Penrose	-	L2	218	Foreign Object	1	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
8/04/2019	15086116	9008428	421- Church St-E	Penrose	N/A	L1	367	Unknown	0	No	No	Yes
8/04/2019	15087936	6222388	28 Lyncroft St	Mangere East	N/A	L1	104	Fat	0	No	No	Yes
15/04/2019	15105952	6227010	74 Walmsley Rd	Mangere	N/A	L1	239	Fat	0	No	No	Yes
17/04/2019	15113374	6222246	31 Driver Rd	Mangere East	N/A	L1	356	Fat	0	No	No	Yes
18/04/2019	15116234	6224086	26B Royton Ave	Mangere East	N/A	L1	311	Fat	0	No	No	Yes
20/04/2019	15120218	6037063	25 Vine St	Mangere East	N/A	L1	126	Fat	0	No	No	Yes
20/04/2019	15120481	6222246	33 Driver Rd	Mangere East	N/A	L1	178	Fat	0	No	No	Yes
22/04/2019	15121506	6038940	96 Walmsley Rd	Mangere	N/A	L1	315	3rd party damage	12.5	No	No	Yes
24/04/2019	15126247	9226908	22 Weka St	Otahuhu	N/A	L1	105	Fat	0.5	No	No	Yes
24/04/2019	15127910	8998376	3B Mcgee St	Otahuhu	N/A	L1	142	3rd party damage	0.5	No	No	Yes
30/04/2019	15140378	6226316	92 Coronation Rd	Mangere Bridge	N/A	L1	96	Rags	0.5	No	No	Yes
1/05/2019	15142056	6227240	61 Idlewild Ave	Mangere	N/A	L1	111	Fat	0	No	No	Yes
6/05/2019	15154541	6038867	132 Coronation Rd	Mangere Bridge		L2	256	Rags	0	No	No	Yes
6/05/2019	15156153	6222301	3 Chadwick Cres	Mangere East	N/A	L1	116	Rags	0	No	No	Yes
7/05/2019	15159843	6227489	64 Windrush Cl	Mangere	N/A	L1	159	Unknown	0	No	No	Yes
8/05/2019	15164375	6227096	6 Gadsby Rd	Favona	N/A	L1	347	Roots	0	No	No	Yes
10/05/2019	15170145	6226978	132 Coronation Rd	Mangere Bridge	-	L2	176	Fat	4	No	No	Yes
14/05/2019	15181011	6224279	56 Imrie Ave	Mangere	N/A	L1	120	Fat	0	No	No	Yes
14/05/2019	15181392	6227671	250 Kirkbride Rd	Mangere	N/A	L1	338	Fat	0	No	No	Yes
15/05/2019	15184031	6224342	21 James St	Mangere East	N/A	L1	250	Fat	3.5	No	No	Yes
1/06/2019	15229583	6227425	52 Friesian Dr	Mangere	N/A	L1	542	Fat	5	No	No	Yes
2/06/2019	15230409	6225559	13 Church Rd	Mangere Bridge	N/A	L1	652	Fat	8	No	No	Yes
6/06/2019	15238883	6489929	9 Harwell Pl	Mangere	N/A	L1	341	Fat	7	No	No	Yes
11/06/2019	15252986	6035315	54 Mckinstry Ave	Mangere East	N/A	L1	1116	Foreign Object	0	No	No	Yes
13/06/2019	15259087	8998372	263 James Fletcher Dr	Favona	-	L3	54	Unknown	0.5	Yes	Yes	Yes
17/06/2019	15265476	50214956	Station Rd	Otahuhu	N/A	L1	96	Silts	3.5	No	No	Yes
18/06/2019	15270880	9009566	61 Penrose Rd	Mt Wellington	N/A	L1	335	Foreign Object	0	No	No	Yes
19/06/2019	15273447	8998433	Station Rd	Otahuhu	N/A	L1	151	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
19/06/2019	15274101	6221970	107B Favona Rd	Favona	N/A	L1	83	Unknown	0	No	No	Yes
23/06/2019	15283630	6049432	26 Killington Cres	Mangere	N/A	L1	1380	Fat	6	No	No	Yes
24/06/2019	15286536	6224083	4 Yates Rd	Mangere East	N/A	L1	1277	Fat	2	No	No	Yes
26/06/2019	15293279	6224146	20 Chingford Cl	Mangere	N/A	L1	174	Roots	0	No	No	Yes
29/06/2019	15301778	6227509	7A Pito Pl	Mangere	N/A	L1	156	Fat	0	No	No	Yes
29/06/2019	15301956	8998358	15 Weka St	Otahuhu	N/A	L1	153	Fat	0	No	No	Yes

Table 25: Overflows in the Lower Tamaki River Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/07/2018	14407506	8973375	1/123 Riddell Rd	Glendowie	N/A	L1	153	Rags	0	No	No	Yes
4/07/2018	14411138	8969875	61 Tripoli Rd	Panmure	N/A	L1	378	Rags	0	No	No	Yes
5/07/2018	14413856	8974382	51 Erima Ave	Pt England	N/A	L1	167	Rubbish	0	No	No	Yes
7/07/2018	14418846	8969876	61 Tripoli Rd	Panmure	N/A	L1	146	Fat	0	No	No	Yes
7/07/2018	14419104	9004531	1-51//7 Rowlands Ave	Mt Wellington	N/A	L1	277	Fat	0	No	No	Yes
11/07/2018	14427963	8972955	355 Riddell Rd	Glendowie	N/A	L1	77	Rubbish	0	No	No	Yes
11/07/2018	14428815	6210986	33R Ara Tai	Half Moon Bay	N/A	L1	141	Roots	0	No	No	Yes
13/07/2018	14432345	6250900	2 Morrow Ave	Bucklands Beach	N/A	L1	133	Broken Pipe	0.5	No	No	Yes
13/07/2018	14433353	8973917	87 Leybourne Cir	Glen Innes	N/A	L1	67	Broken pipe	0.5	No	No	Yes
14/07/2018	14434777	8973302	13 Abingdon Pl	Glendowie	N/A	L1	357	Roots	3	No	No	Yes
14/07/2018	14435050	8974067	69 Farrington St	Glen Innes	N/A	L1	178	3rd party damage	3	No	No	Yes
15/07/2018	14435423	8973302	15 Abingdon Pl	Glendowie	N/A	L1	115	Roots	56.5	No	No	Yes
15/07/2018	14435452	8974023	69 Elstree Ave	Glen Innes	N/A	L1	115	Surcharging	56.5	No	No	Yes
15/07/2018	14435731	8969779	47A Dunkirk Rd	Panmure	N/A	L1	108	Surcharging	56.5	No	No	Yes
15/07/2018	14435786	7097347	2/73 The Parade	Bucklands Beach	N/A	L1	3	Surcharging	56.5	No	No	Yes
15/07/2018	14435863	50027444	2/30 The Parade	Bucklands Beach	N/A	L1	1337	Surcharging	56.5	No	No	Yes
16/07/2018	14437913	8795548	8 Sloane St	Glen Innes	N/A	L1	457	Surcharging	0.5	No	No	Yes
17/07/2018	14440852	6214468	46 Fielding Cres	Farm Cove	N/A	L1	50	Surcharging	0	No	No	Yes
18/07/2018	14442989	8792244	47 Dunkirk Rd	Panmure	N/A	L1	47	Surcharging	1	No	No	Yes
18/07/2018	14442994	6211125	114 Prince Regent Dr	Half Moon Bay	N/A	L1	67	Fat	1	No	No	Yes
18/07/2018	14443827	8974382	51 Erima Ave	Pt England	N/A	L1	288	Foreign Object	1	No	No	Yes
19/07/2018	14447775	8973111	515 Riddell Rd	Glendowie	N/A	L1	1093	Rubbish	1	No	No	Yes
23/07/2018	14453878	9224866	8 Riddell Rd	Glendowie	N/A	L1	84	Unknown	1	No	No	Yes
24/07/2018	14459133	6205502	2/32 The Parade	Bucklands Beach	N/A	L1	1131	Rubbish	0.5	No	No	Yes
27/07/2018	14468441	8969835	9 Sollum Rd	Panmure	N/A	L1	1364	Roots	1	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/07/2018	14471173	8973458	2/56 Riddell Rd	Glendowie	N/A	L1	163	Rags	3.5	No	No	Yes
31/07/2018	14476318	8973087	513 Riddell Rd	Glendowie	N/A	L1	121	Roots	0	No	No	Yes
31/07/2018	14478191	8973034	85 Whitehaven Rd	Glendowie	N/A	L1	156	Unknown	0	No	No	Yes
2/08/2018	14484167	8974781	160 Apirana Ave	Glen Innes	N/A	L1	125	Fat	0.5	No	No	Yes
6/08/2018	14492637	8969611	200 Riverside Ave	Pt England	N/A	L1	143	3rd party damage	0.5	No	No	Yes
7/08/2018	14495182	8972483	41A Roberta Ave	Glendowie	█	L2	197	Roots	0	No	No	Yes
9/08/2018	14501431	8973438	9 Roxy Tce	Glendowie	N/A	L1	55	Roots	0.5	No	No	Yes
9/08/2018	14502324	8969931	75 Court Cres	Panmure	N/A	L1	1279	Fat	0.5	No	No	Yes
11/08/2018	14506488	8969619	35 Tamatea Ave	Pt England	N/A	L1	198	Roots	0	No	No	Yes
12/08/2018	14507055	9004206	36-46 Lagoon Dr	Panmure	N/A	L1	146	Unknown	0	No	No	Yes
12/08/2018	14507060	8969636	38A Kawiti Ave	Pt England	N/A	L1	184	Roots	0	No	No	Yes
15/08/2018	14515756	8974378	8 Taurima Ave	Pt England	N/A	L1	114	Rags	1.5	No	No	Yes
16/08/2018	14519905	9003947	33 Cleary Rd	Panmure	6	L3	172	Unknown	0	Yes	Yes	Yes
18/08/2018	14523505	8969626	43 Tamatea Ave	Pt England	N/A	L1	150	3rd party damage	4.5	No	No	Yes
18/08/2018	14523738	8969774	49 Dunkirk Rd	Panmure	N/A	L1	231	Unknown	4.5	No	No	Yes
20/08/2018	14525679	8974948	15 Apirana Ave	Glen Innes	N/A	L1	162	Surcharging	3	No	No	Yes
22/08/2018	14532657	8972805	18 Emerson St	Glendowie	N/A	L1	186	Fat	7.5	No	No	Yes
23/08/2018	14535962	8794285	24 Chelmsford Ave	Glendowie	N/A	L1	58	Roots	1	No	No	Yes
24/08/2018	14537741	8969626	43 Tamatea Ave	Pt England	N/A	L1	137	3rd party damage	3	No	No	Yes
24/08/2018	14538841	8969608	196 Riverside Ave	Pt England	N/A	L1	1080	3rd party damage	3	No	No	Yes
25/08/2018	14540481	8969608	196 Riverside Ave	Pt England	N/A	L1	121	Unknown	2	No	No	Yes
27/08/2018	14543981	8972458	617 Riddell Rd	Glendowie	N/A	L1	99	Roots	0	No	No	Yes
29/08/2018	14548398	6947210	1/28 Hattaway Ave	Bucklands Beach	N/A	L1	43	Surcharging	45.5	No	No	Yes
29/08/2018	14548461	6205483	18 The Parade	Bucklands Beach	N/A	L1	395	Surcharging	45.5	No	No	Yes
29/08/2018	14550384	8974023	69 Elstree Ave	Glen Innes	N/A	L1	87	Surcharging	45.5	No	No	Yes
30/08/2018	14551661	6214468	46 Fielding Cres	Farm Cove	N/A	L1	243	Surcharging	0	No	No	Yes
8/09/2018	14573859	8972848	252 St Heliers Bay Rd	St Heliers	N/A	L1	980	Unknown	0	No	No	Yes
14/09/2018	14589203	8795922	24 Thorp St	St Johns	N/A	L1	93	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
14/09/2018	14591042	8974971	50 Caulton St	St Johns	N/A	L1	340	Roots	0	No	No	Yes
20/09/2018	14605568	8821184	195 Mt Wellington Highway	Mt Wellington	N/A	L1	197	Unknown	0	No	No	Yes
21/09/2018	14608021	8796640	24 Thorp St	St Johns	N/A	L1	98	Roots	1	No	No	Yes
22/09/2018	14609231	8969704	51 Torino St	Pt England	N/A	L1	119	Roots	0.5	No	No	Yes
24/09/2018	14613299	3057803	114 Prince Regent Dr	Half Moon Bay	N/A	L1	212	Broken pipe	6	No	No	Yes
25/09/2018	14615840	9003922	Ptlvg/15 Pleasant View Rd	Mt Wellington	N/A	L1	124	Fat	4	No	No	Yes
26/09/2018	14617693	6215667	1/51 Riverlea Ave	Pakuranga	N/A	L1	197	Roots	1.5	No	No	Yes
26/09/2018	14620158	8972498	52 Roberta Ave	Glendowie	N/A	L1	159	Roots	1.5	No	No	Yes
27/09/2018	14623079	8973084	505 Riddell Rd	Glendowie	N/A	L1	1323	Broken pipe	1	No	No	Yes
28/09/2018	14624281	8974229	41 West Tamaki Rd	Glen Innes	N/A	L1	209	Roots	0	No	No	Yes
28/09/2018	14625582	8795142	70 West Tamaki Rd	St Heliers	N/A	L1	128	Fat	0	No	No	Yes
29/09/2018	14626672	8972481	1 Vanessa Cres	Glendowie	N/A	L1	306	Unknown	0	No	No	Yes
29/09/2018	14626874	9004596	195 Mt Wellington Highway	Mt Wellington	N/A	L1	67	Fat	0	No	No	Yes
29/09/2018	14626918	8972492	39 Roberta Ave	Glendowie	N/A	L1	1432	Unknown	0	No	No	Yes
1/10/2018	14629612	6205453	16 Markham Pl	Bucklands Beach	N/A	L1	77	Broken pipe	0	No	No	Yes
1/10/2018	14629852	6216237	16 Williams Ave	Pakuranga	N/A	L1	147	Fat	0	No	No	Yes
1/10/2018	14630627	6022729	6 Ullswater Pl	Half Moon Bay	N/A	L1	1189	Roots	0	No	No	Yes
2/10/2018	14631964	8974140	37 Line Rd	Glen Innes	N/A	L1	139	Fat	3.5	No	No	Yes
3/10/2018	14636215	9224866	8 Riddell Rd	Glendowie	N/A	L1	143	Roots	0	No	No	Yes
6/10/2018	14643391	8795701	126 Taniwha St	Glen Innes	N/A	L1	143	Unknown	0	No	No	Yes
9/10/2018	14651926	9004492	58 Waipuna Rd	Panmure	N/A	L1	87	Fat	0	No	No	Yes
10/10/2018	14654796	8969975	135 Pilkington Rd	Mt Wellington	N/A	L1	76	Fat	0	No	No	Yes
12/10/2018	14660825	8969968	165 Pilkington Rd	Pt England	N/A	L1	55	Fat	7	No	No	Yes
12/10/2018	14661686	9008607	3/11 Waipuna Rd	Mt Wellington	N/A	L1	295	Fat	7	No	No	Yes
20/10/2018	14682501	6215347	5A Butley Dr	Farm Cove	N/A	L1	56	Roots	0	No	No	Yes
22/10/2018	14684259	8972503	69 Roberta Ave	Glendowie	N/A	L1	186	Fat	0	No	No	Yes
23/10/2018	14686232	1569551	6 Grammar School Rd	Pakuranga Heights	N/A	L1	199	Fat	0	No	No	Yes
23/10/2018	14687892	8972720	11 Aragon Ave	Glendowie	N/A	L1	119	Roots	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/10/2018	14688640	8973251	47 Robley Cres	Glendowie	N/A	L1	74	Rubbish	0	No	No	Yes
24/10/2018	14689179	8972720	11 Aragon Ave	Glendowie	N/A	L1	70	Roots	0	No	No	Yes
25/10/2018	14693002	9004473	15A Rielly Pl	Mt Wellington	N/A	L1	253	Unknown	0	No	No	Yes
27/10/2018	14699612	9207456	291 Riddell Rd	Glendowie	■	L2	195	3rd party damage	11.5	No	No	Yes
30/10/2018	14708370	8972909	18 West Tamaki Rd	St Heliers	N/A	L1	165	Unknown	14	No	No	Yes
2/11/2018	14718583	8969903	15 Oran Rd	Panmure	N/A	L1	214	Roots	0	No	No	Yes
4/11/2018	14720175	8972659	19 Pembroke Cres	Glendowie	N/A	L1	339	Roots	11.5	No	No	Yes
6/11/2018	14726946	8974374	16A Erima Ave	Pt England	N/A	L1	106	Unknown	0	No	No	Yes
7/11/2018	14728233	8973407	34 Crossfield Rd	Glendowie	N/A	L1	447	Foreign Object	0	No	No	Yes
7/11/2018	14728894	8969903	15 Oran Rd	Panmure	N/A	L1	89	Foreign Object	0	No	No	Yes
10/11/2018	14737748	8973187	351 West Tamaki Rd	Wai-O-Taiki Bay	10	L3	45	Roots	1	Yes	Yes	Yes
10/11/2018	14738010	8974916	2 John Shaw Dr	St Johns	N/A	L1	63	Fat	1	No	No	Yes
12/11/2018	14739918	8972504	220 West Tamaki Rd	Glendowie	N/A	L1	180	Rubbish	3	No	No	Yes
12/11/2018	14742024	8973547	67 Kildare Ave	Glendowie	N/A	L1	117	Unknown	3	No	No	Yes
19/11/2018	14758691	8974141	49 Line Rd	Glen Innes	N/A	L1	161	Broken pipe	4.5	No	No	Yes
19/11/2018	14759126	8969846	19 Alamein Rd	Panmure	N/A	L1	83	Fat	4.5	No	No	Yes
19/11/2018	14759847	8972818	210B St Heliers Bay Rd	St Heliers	N/A	L1	129	Fat	4.5	No	No	Yes
20/11/2018	14761278	8969636	35 Kawiti Ave	Pt England	N/A	L1	72	3rd party damage	12.5	No	No	Yes
21/11/2018	14766049	9004473	15A Rielly Pl	Mt Wellington	N/A	L1	45	Rubbish	6.5	No	No	Yes
25/11/2018	14773389	9004693	19 Higgs Rd	Mt Wellington	N/A	L1	111	Rubbish	7.5	No	No	Yes
26/11/2018	14774539	8972806	59B Ashby Ave	St Heliers	N/A	L1	444	Silts	11	No	No	Yes
27/11/2018	14777967	6266517	29 Riverlea Ave	Pakuranga	N/A	L1	333	Roots	2.5	No	No	Yes
28/11/2018	14782752	8974492	11 Evandale St	Glen Innes	N/A	L1	305	Unknown	0	No	No	Yes
29/11/2018	14787036	6266517	29 Riverlea Ave	Pakuranga	N/A	L1	269	Roots	0	No	No	Yes
7/12/2018	14806590	6266517	29 Riverlea Ave	Pakuranga	N/A	L1	1150	3rd Party Damage	0	No	No	Yes
8/12/2018	14807290	8974033	19 Sloane St	Glen Innes	N/A	L1	115	Roots	0	No	No	Yes
11/12/2018	14813659	8974244	65 Castledine Cres	Glen Innes	N/A	L1	227	Roots	0	No	No	Yes
11/12/2018	14814066	8820830	17 Watene Rd	Panmure	N/A	L1	88	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
11/12/2018	14814344	6023202	2/33 Curacao Pl	Half Moon Bay	N/A	L1	1285	Roots	0	No	No	Yes
11/12/2018	14814382	8969563	31 Tripoli Rd	Panmure	N/A	L1	374	Unknown	0	No	No	Yes
14/12/2018	14823144	6027797	93 Bramley Dr	Farm Cove	N/A	L1	144	Roots	0	No	No	Yes
17/12/2018	14828465	9004376	519 Ellerslie-Panmure Highway	Mt Wellington	N/A	L1	229	Unknown	0	No	No	Yes
18/12/2018	14831657	6215557	182 Fisher Pde	Sunnyhills	N/A	L1	188	Roots	0	No	No	Yes
20/12/2018	14836150	9004366	2/34 Ireland Rd	Panmure	N/A	L1	269	Surcharging	22.5	No	No	Yes
23/12/2018	14842211	8969611	202 Riverside Ave	Pt England	N/A	L1	656	3rd party damage	21.5	No	No	Yes
25/12/2018	14844778	6215667	2/51 Riverlea Ave	Pakuranga	N/A	L1	76	Roots	28	No	No	Yes
26/12/2018	14844991	8973248	58B Whitehaven Rd	Glendowie	N/A	L1	535	Silts	0	No	No	Yes
28/12/2018	14848321	8794163	58B Whitehaven Rd	Glendowie	N/A	L1	371	Silts	0	No	No	Yes
29/12/2018	14849915	8973164	58B Whitehaven Rd	Glendowie	N/A	L1	276	Silts	0	No	No	Yes
3/01/2019	14854290	8973098	473 Riddell Rd	Glendowie	N/A	L1	165	3rd party damage	0	No	No	Yes
7/01/2019	14860986	8794132	106 Whitehaven Rd	Glendowie	N/A	L1	150	Unknown	0	No	No	Yes
11/01/2019	14872685	8970116	31 Caen Rd	Panmure	N/A	L1	123	Unknown	0	No	No	Yes
11/01/2019	14873925	9225058	10 Merfield St	Glen Innes	N/A	L1	277	Broken pipe	0	No	No	Yes
13/01/2019	14875507	6207781	3A Sorrel Cres	Half Moon Bay	N/A	L1	121	Unknown	0	No	No	Yes
19/01/2019	14891402	6021961	16R Kaniere Pl	Half Moon Bay	-	L2	478	Unknown	0	No	No	Yes
21/01/2019	14895852	8969595	119 Pt England Rd	Pt England	N/A	L1	170	Unknown	0	No	No	Yes
23/01/2019	14900289	8975090	47 Swainston Rd	St Johns	N/A	L1	61	Rags	0	No	No	Yes
23/01/2019	14901609	6211004	25 Clyside Ave	Half Moon Bay	N/A	L1	210	Unknown	0	No	No	Yes
24/01/2019	14904626	9225144	35A Apirana Ave	Glen Innes	N/A	L1	97	Unknown	2.5	No	No	Yes
26/01/2019	14908667	8974951	35A Apirana Ave	Glen Innes	N/A	L1	137	Foreign Object	0	No	No	Yes
1/02/2019	14921982	9004301	Wtr/100 Ireland Rd	Panmure	N/A	L1	88	Unknown	0	No	No	Yes
2/02/2019	14924686	8974526	43B Maybury St	Pt England	N/A	L1	1047	Rags	0	No	No	Yes
4/02/2019	14928316	6206714	16 Lilian Pl	Farm Cove	N/A	L1	202	Fat	0	No	No	Yes
7/02/2019	14935914	8974990	16 Abraham Pl	St Johns	-	L2	640	Roots	0	No	No	Yes
10/02/2019	14941332	8792069	171A Tripoli Rd	Pt England	N/A	L1	63	Rubbish	0	No	No	Yes
11/02/2019	14942282	8973094	449 Riddell Rd	Glendowie	N/A	L1	277	Silts	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/02/2019	14958392	6021778	27 Wells Rd	Half Moon Bay	N/A	L1	109	Fat	0	No	No	Yes
18/02/2019	14959666	8975071	29A Lush Ave	St Johns	N/A	L1	165	Fat	0.5	No	No	Yes
18/02/2019	14962000	8972458	617 Riddell Rd	Glendowie	N/A	L1	86	Roots	0.5	No	No	Yes
19/02/2019	14962603	8973758	22A Silverton Ave	Wai-O-Taiki Bay	N/A	L1	109	Rubbish	0	No	No	Yes
19/02/2019	14963700	8796291	16 Abraham Pl	St Johns	N/A	L1	88	Roots	0	No	No	Yes
20/02/2019	14966827	8973774	7 Silverton Ave	Wai-O-Taiki Bay	N/A	L1	138	Roots	0	No	No	Yes
21/02/2019	14969086	9009087	1/9 Lavas Pl	Mt Wellington	N/A	L1	592	Fat	0	No	No	Yes
23/02/2019	14975471	8796748	249C St Johns Rd	Meadowbank	N/A	L1	129	Fat	6	No	No	Yes
25/02/2019	14977503	6211222	10 Butley Dr	Farm Cove	N/A	L1	297	Unknown	0	No	No	Yes
25/02/2019	14978656	8970148	221 Queens Rd	Panmure	N/A	L1	45	Rubbish	0	No	No	Yes
26/02/2019	14982813	8973151	39 Chelmsford Ave	Glendowie	N/A	L1	113	Roots	0	No	No	Yes
28/02/2019	14989758	8973804	27A Silverton Ave	Wai-O-Taiki Bay	N/A	L1	120	Fat	0	No	No	Yes
1/03/2019	14991770	8973273	57 Goodall St	Hillsborough	N/A	L1	71	Roots	0	No	No	Yes
1/03/2019	14991931	8969712	35A Armein Rd	Panmure	N/A	L1	241	Rubbish	0	No	No	Yes
8/03/2019	15009674	8794788	1 Carlisle St	Glendowie	N/A	L1	124	Roots	17.5	No	No	Yes
11/03/2019	15015012	6213916	15 Belmere Rise	Farm Cove	N/A	L1	262	Roots	0	No	No	Yes
15/03/2019	15028972	8969572	34 Ngarimu Rd	Panmure	N/A	L1	392	Rubbish	0	No	No	Yes
16/03/2019	15030344	8973525	1 Carlisle St	Glendowie	N/A	L1	444	Unknown	0	No	No	Yes
21/03/2019	15043463	8969708	35A Armein Rd	Panmure	N/A	L1	124	Fat	0	No	No	Yes
23/03/2019	15047550	9004531	1-51//7 Rowlands Ave	Mt Wellington	N/A	L1	218	Rubbish	0	No	No	Yes
23/03/2019	15047571	6213916	15 Belmere Rise	Farm Cove	-	L2	86	Roots	0	No	No	Yes
24/03/2019	15048938	8972593	35B Riddell Rd	Glendowie	N/A	L1	410	Unknown	0	No	No	Yes
25/03/2019	15050008	6215412	2 Williams Ave	Pakuranga	N/A	L1	257	Unknown	0	No	No	Yes
28/03/2019	15060454	6028421	11A Kerswill Pl	Pakuranga	-	L2	458	3rd party damage	10	No	No	Yes
30/03/2019	15065730	6215542	93 Bramley Dr	Farm Cove	N/A	L1	118	Roots	0	No	No	Yes
1/04/2019	15068152	9004375	519 Ellerslie-Panmure Highway	Mt Wellington	N/A	L1	96	Fat	31	No	No	Yes
1/04/2019	15070310	8972880	2/76 West Tamaki Rd	St Heliers	N/A	L1	118	Rubbish	31	No	No	Yes
3/04/2019	15074551	8972543	38 Pembroke Cres	Glendowie	N/A	L1	56	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/04/2019	15078961	6208023	3 Half Moon Rise	Half Moon Bay	N/A	L1	75	Roots	0	No	No	Yes
5/04/2019	15081262	6208022	3 Half Moon Rise	Half Moon Bay	N/A	L1	283	Roots	0	No	No	Yes
9/04/2019	15090101	8972879	4 Emerson St	Glendowie	N/A	L1	437	Unknown	0	No	No	Yes
9/04/2019	15091932	8974537	203 Taniwha St	Glen Innes	-	L3	236	Silts	0	Yes	Yes	Yes
10/04/2019	15095761	8974227	53 Castledine Cres	Glen Innes	N/A	L1	104	Unknown	0	No	No	Yes
11/04/2019	15098658	9004415	129 Ireland Rd	Panmure	N/A	L1	166	3rd party damage	5	No	No	Yes
13/04/2019	15104470	6023059	15R Curacao Pl	Half Moon Bay	0.5	L2	268	Unknown	0	No	No	Yes
15/04/2019	15107674	9004523	28B Waipuna Rd	Mt Wellington	N/A	L1	86	Unknown	0	No	No	Yes
16/04/2019	15109289	9004426	58 Waipuna Rd	Panmure	N/A	L1	386	Fat	0	No	No	Yes
17/04/2019	15113361	8973337	36 Athlone Rd	Glendowie	N/A	L1	93	Roots	0	No	No	Yes
19/04/2019	15119661	8973758	28 Silverton Ave	Wai-O-Taiki Bay	N/A	L1	226	Unknown	0	No	No	Yes
19/04/2019	15119735	8974078	101 West Tamaki Rd	Glen Innes	N/A	L1	252	Unknown	0	No	No	Yes
26/04/2019	15130385	9004521	1-51//7 Rowlands Ave	Mt Wellington	N/A	L1	111	Unknown	0	No	No	Yes
2/05/2019	15145451	51232782	63 Taniwha St	Glen Innes	N/A	L1	106	Unknown	0	No	No	Yes
3/05/2019	15148044	6206201	1/66 Takutai Ave	Pakuranga	N/A	L1	124	Fat	0	No	No	Yes
3/05/2019	15149887	6028485	1 Kerswill Pl	Pakuranga	N/A	L1	368	Foreign Object	0	No	No	Yes
4/05/2019	15151471	6210457	2/43 Argo Dr	Half Moon Bay	N/A	L1	217	Roots	1	No	No	Yes
5/05/2019	15152753	8969818	25 Kings Rd	Panmure	N/A	L1	104	Fat	0	No	No	Yes
6/05/2019	15154306	6028550	11 Kerswill Pl	Pakuranga	N/A	L1	74	3rd party damage	0	No	No	Yes
6/05/2019	15156413	8973861	36 Taniwha St	Wai-O-Taiki Bay	N/A	L1	171	Roots	0	No	No	Yes
11/05/2019	15173801	8972885	76 West Tamaki Rd	St Heliers	N/A	L1	81	Rags	0	No	No	Yes
12/05/2019	15175020	8972724	52 Washington Ave	Glendowie	N/A	L1	326	Unknown	18	No	No	Yes
13/05/2019	15175906	6022275	3 Half Moon Rise	Half Moon Bay	N/A	L1	444	Roots	2	No	No	Yes
13/05/2019	15177057	8972616	29 Washington Ave	Glendowie	N/A	L1	158	Roots	2	No	No	Yes
13/05/2019	15177221	7051303	93R Fisher Pde	Sunnyhills	N/A	L1	162	Rags	2	No	No	Yes
14/05/2019	15179863	8974714	121 Morrin Rd	St Johns	-	L2	116	Fat	0	No	No	Yes
14/05/2019	15180044	8973858	44 Taniwha St	Wai-O-Taiki Bay	N/A	L1	290	Unknown	0	No	No	Yes
15/05/2019	15183863	8973111	515 Riddell Rd	Glendowie	N/A	L1	58	Unknown	3	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/05/2019	15187104	8796318	8 Howard Hunter Ave	St Johns	N/A	L1	77	Unknown	2.5	No	No	Yes
18/05/2019	15193434	8973112	515 Riddell Rd	Glendowie	N/A	L1	110	Silts	0	No	No	Yes
20/05/2019	15195374	8973492	11 Glen Oaks	Glendowie	N/A	L1	83	Roots	0	No	No	Yes
22/05/2019	15201864	8974772	41 Eastview Rd	Glen Innes	N/A	L1	65	Rags	0	No	No	Yes
22/05/2019	15201879	6208464	29 Majesty Pl	Half Moon Bay	N/A	L1	148	Roots	0	No	No	Yes
22/05/2019	15203708	6021223	86 Hattaway Ave	Bucklands Beach	N/A	L1	279	Roots	0	No	No	Yes
25/05/2019	15211059	6214546	55 Fordyce Ave	Sunnyhills	█	L2	150	Fat	0	No	No	Yes
31/05/2019	15228056	8975022	468 Riddell Rd	Glendowie	N/A	L1	221	Fat	26	No	No	Yes
31/05/2019	15228663	8973061	490A Riddell Rd	Glendowie	N/A	L1	157	Fat	26	No	No	Yes
5/06/2019	15235532	8794474	97 Esperance Rd	Glendowie	N/A	L1	154	Fat	25.5	No	No	Yes
7/06/2019	15243072	6216279	3 Manor Park	Pakuranga	N/A	L1	219	Unknown	24.5	No	No	Yes
8/06/2019	15244784	8972617	40A Washington Ave	Glendowie	N/A	L1	117	Roots	0	No	No	Yes
8/06/2019	15245275	8973060	399 Riddell Rd	Glendowie	N/A	L1	159	Unknown	0	No	No	Yes
9/06/2019	15246576	8973305	30 Karaka Park Pl	Glendowie	N/A	L1	143	Roots	0	No	No	Yes
13/06/2019	15259046	9003971	3 Forge Way	Mt Wellington	N/A	L1	147	Fat	2.5	No	No	Yes
13/06/2019	15259447	6215536	39 Bramley Dr	Farm Cove	N/A	L1	82	Roots	2.5	No	No	Yes
13/06/2019	15259610	8972617	40A Washington Ave	Glendowie	N/A	L1	185	Roots	2.5	No	No	Yes
14/06/2019	15262498	8974966	32 Felton Mathew Ave	St Johns	N/A	L1	99	Fat	0	No	No	Yes
15/06/2019	15263478	6216279	3 Manor Park	Pakuranga	N/A	L1	197	Silts	4.5	No	No	Yes
15/06/2019	15264148	9004563	3 Malone Rd	Mt Wellington	N/A	L1	101	Rubbish	4.5	No	No	Yes
17/06/2019	15267695	8969838	14 Alamein Rd	Panmure	N/A	L1	146	Fat	4	No	No	Yes
20/06/2019	15275589	8974652	267A Hillsborough Rd	Mt Roskill	N/A	L1	57	Roots	4	No	No	Yes
20/06/2019	15275675	8974652	171 Pilkington Rd	Pt England	N/A	L1	270	Foreign Object	4	No	No	Yes
23/06/2019	15283743	6208022	3 Half Moon Rise	Half Moon Bay	N/A	L1	111	Roots	5.5	No	No	Yes
27/06/2019	15295965	8794915	40A Washington Ave	Glendowie	N/A	L1	145	Roots	2.5	No	No	Yes

Table 26: Overflows in the Upper Tamaki River Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14402970	6223083	3/29 Earlsworth Rd	Mangere East	6	L3	603	Fat	6	Yes	Yes	Yes
2/07/2018	14404078	6219674	Everitt Rd	Otara	N/A	L1	156	Roots	2	No	No	Yes
2/07/2018	14404621	6235482	22 Edorvale Ave	Papatoetoe	N/A	L1	216	Roots	2	No	No	Yes
3/07/2018	14408307	6209474	199 Botany Rd	Howick	N/A	L1	101	Fat	0.5	No	No	Yes
5/07/2018	14414032	7028685	110A Buckland Rd	Mangere East	N/A	L1	225	Fat	0	No	No	Yes
5/07/2018	14415252	7035889	22 Ashlynn Ave	Papatoetoe	N/A	L1	117	Fat	0	No	No	Yes
6/07/2018	14416158	6218373	23 Allens Rd	East Tamaki	-	L2	129	Unknown	0	No	No	Yes
6/07/2018	14417883	6216494	17 Allens Rd	East Tamaki	N/A	L1	126	Rubbish	0	No	No	Yes
7/07/2018	14418883	6221620	1/25 Sandra Ave	Otara	N/A	L1	196	Rags	0	No	No	Yes
7/07/2018	14419027	6220461	6 Pamir Rd	Papatoetoe	N/A	L1	252	Roots	0	No	No	Yes
9/07/2018	14422060	6210148	23 Vanbrugh Pl	Bucklands Beach	N/A	L1	1332	Roots	5	No	No	Yes
9/07/2018	14422780	6476042	14 Delmont Cl	Howick	N/A	L1	726	Fat	5	No	No	Yes
9/07/2018	14422796	6214188	2/59 Udys Rd	Pakuranga Heights	N/A	L1	124	Fat	5	No	No	Yes
9/07/2018	14422842	6221295	25 Sandra Ave	Otara	N/A	L1	1086	Rubbish	5	No	No	Yes
10/07/2018	14425256	6220042	35 Glen Ave	Papatoetoe	N/A	L1	30	Fat	7	No	No	Yes
10/07/2018	14425278	6207047	64 Archmillen Ave	Pakuranga Heights	N/A	L1	222	Roots	7	No	No	Yes
10/07/2018	14425496	6220366	166 Motatau Rd	Papatoetoe	N/A	L1	1033	3rd party damage	7	No	No	Yes
11/07/2018	14426601	6209701	23 Bob Charles Dr	Howick	N/A	L1	566	Roots	0.5	No	No	Yes
11/07/2018	14427199	6231586	29 Derrimore Heights	Clover Park	N/A	L1	132	Roots	0.5	No	No	Yes
11/07/2018	14427414	6215919	157 Edgewater Dr	Pakuranga	-	L2	189	Fat	0.5	No	No	Yes
11/07/2018	14428172	6221778	70 Franklyne Rd	Otara	0.25	L3	13	Rubbish	0.5	Yes	Yes	Yes
11/07/2018	14428459	6217921	19 Serai Pl	Otara	N/A	L1	280	3rd party damage	0.5	No	No	Yes
11/07/2018	14428488	6209334	2/270 Cascades Rd	Howick	-	L2	228	Unknown	0.5	No	No	Yes
12/07/2018	14430825	6216494	17 Allens Rd	East Tamaki	N/A	L1	67	Foreign Object	0.5	No	No	Yes
12/07/2018	14431058	6216043	188 Pakuranga Rd	Pakuranga	N/A	L1	88	Fat	0.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/07/2018	14432053	6216222	4 Downsview Rd	Pakuranga Heights	N/A	L1	179	Fat	0.5	No	No	Yes
13/07/2018	14434182	6221620	25 Sandra Ave	Otara	N/A	L1	189	Unknown	0.5	No	No	Yes
13/07/2018	14434275	6214974	1/1 Chevis Pl	Pakuranga Heights	N/A	L1	118	Fat	0.5	No	No	Yes
13/07/2018	14434279	6269978	1/130 Ti Rakau Dr	Pakuranga	N/A	L1	139	Fat	0.5	No	No	Yes
14/07/2018	14434817	6211513	40A Ennis Ave	Pakuranga Heights	N/A	L1	215	Fat	1.5	No	No	Yes
14/07/2018	14434908	6217305	41 Belinda Ave	Otara	N/A	L1	137	Rags	1.5	No	No	Yes
14/07/2018	14434954	6221619	25 Sandra Ave	Otara	N/A	L1	99	Foreign Object	1.5	No	No	Yes
15/07/2018	14435439	6465796	1/171 Wellington St	Howick	N/A	L1	224	Surcharging	84	No	No	Yes
15/07/2018	14435451	6208247	9 Udall Pl	Bucklands Beach	-	L2	138	Surcharging	84	No	No	Yes
15/07/2018	14435465	6216001	50 Larne Ave	Pakuranga Heights	N/A	L1	148	Rubbish	84	No	No	Yes
15/07/2018	14435484	8997118	18 Water St	Otahuhu	N/A	L1	62	Surcharging	84	No	No	Yes
15/07/2018	14435486	6234758	2 Sandrine Ave	Clover Park	N/A	L1	38	Surcharging	84	No	No	Yes
15/07/2018	14435496	6207535	32 Matterhorn Cres	Northpark	N/A	L1	224	Surcharging	84	No	No	Yes
15/07/2018	14435500	8996714	165 Avenue Rd-E	Otahuhu	N/A	L1	172	Surcharging	84	No	No	Yes
15/07/2018	14435506	6206237	3/232 Bucklands Beach Rd	Bucklands Beach	N/A	L1	37	Surcharging	84	No	No	Yes
15/07/2018	14435550	6213510	6 Wood Ave	Howick	N/A	L1	84	Surcharging	84	No	No	Yes
15/07/2018	14435572	6034329	1/16 Fisher Cres	Otara	N/A	L1	157	Surcharging	84	No	No	Yes
15/07/2018	14435668	6220843	538B Great South Rd	Papatoetoe	N/A	L1	353	Surcharging	84	No	No	Yes
15/07/2018	14435709	6220216	2/15 Alexander Cres	Otara	N/A	L1	1230	Rubbish	84	No	No	Yes
15/07/2018	14435717	6234330	2 Charntay Ave	Clover Park	N/A	L1	19	Surcharging	84	No	No	Yes
15/07/2018	14435724	6220061	71 Preston Rd	Otara	N/A	L1	238	Surcharging	84	No	No	Yes
15/07/2018	14435726	6220948	15 Sutton Cres	Papatoetoe	N/A	L1	198	Surcharging	84	No	No	Yes
15/07/2018	14435738	6220055	23 Clutha Cres	Otara	N/A	L1	128	Surcharging	84	No	No	Yes
15/07/2018	14435758	6029581	1/67 Edgewater Dr	Pakuranga	N/A	L1	1070	Surcharging	84	No	No	Yes
15/07/2018	14435763	6202829	18 Covina Pl	Howick	N/A	L1	1372	Surcharging	84	No	No	Yes
15/07/2018	14435774	6219719	58 Woolfield Rd	Papatoetoe	N/A	L1	281	Surcharging	84	No	No	Yes
15/07/2018	14435793	6464797	8 John Broad Pl	Flat Bush	N/A	L1	95	Fat	84	No	No	Yes
15/07/2018	14435879	6221285	1/38 Capstick Rd	Otara	N/A	L1	1166	Surcharging	84	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/07/2018	14435903	6035975	3/29 Earlsworth Rd	Mangere East	N/A	L1	324	Surcharging	84	No	No	Yes
15/07/2018	14435920	8996776	11 Trenwith St	Otahuhu	N/A	L1	1297	Surcharging	84	No	No	Yes
15/07/2018	14435934	6214315	142A Tiraumea Dr	Pakuranga	N/A	L1	99	Surcharging	84	No	No	Yes
15/07/2018	14435973	6220843	538 Great South Rd	Papatoetoe	N/A	L1	2	Surcharging	84	No	No	Yes
15/07/2018	14436031	6278458	1/49 Huia Rd	Papatoetoe	N/A	L1	35	Surcharging	84	No	No	Yes
16/07/2018	14436823	6221856	9 Lynn Pl	Otara	N/A	L1	105	Surcharging	0	No	No	Yes
16/07/2018	14437007	6220061	73 Preston Rd	Otara	N/A	L1	528	Surcharging	0	No	No	Yes
16/07/2018	14437822	6219923	9 Cornwall Rd	Papatoetoe	N/A	L1	45	Surcharging	0	No	No	Yes
16/07/2018	14437882	6221616	189 Preston Rd	Otara	N/A	L1	446	Fat	0	No	No	Yes
16/07/2018	14437982	6503792	13 Rapson Rd	Otara	N/A	L1	108	Surcharging	0	No	No	Yes
16/07/2018	14437996	6033881	121 Preston Rd	Otara	N/A	L1	158	Surcharging	0	No	No	Yes
16/07/2018	14438727	6033235	3 Haumia Way	Otara	N/A	L1	1171	Foreign Object	0	No	No	Yes
16/07/2018	14438802	6213723	215 Moore St	Howick	N/A	L1	134	Surcharging	0	No	No	Yes
16/07/2018	14438903	6034025	71 Hamill Rd	Otara	N/A	L1	1162	Surcharging	0	No	No	Yes
16/07/2018	14439085	6221620	1/25 Sandra Ave	Otara	N/A	L1	71	Foreign Object	0	No	No	Yes
16/07/2018	14439140	6218892	1/10 Konini Ave	Papatoetoe	N/A	L1	105	Surcharging	0	No	No	Yes
17/07/2018	14440106	6209035	9A Nicholas Rd	Northpark	N/A	L1	161	Fat	0.5	No	No	Yes
17/07/2018	14440437	6207047	64 Archmillen Ave	Pakuranga Heights	N/A	L1	264	Fat	0.5	No	No	Yes
17/07/2018	14440639	6208039	1/41 Maugham Dr	Bucklands Beach	N/A	L1	656	Roots	0.5	No	No	Yes
17/07/2018	14441027	6464799	4 John Broad Pl	Flat Bush	N/A	L1	169	Unknown	0.5	No	No	Yes
17/07/2018	14441649	6239176	170 Shirley Rd	Papatoetoe	N/A	L1	70	Fat	0.5	No	No	Yes
17/07/2018	14441855	6212735	129 Millhouse Dr	Northpark	N/A	L1	1142	Surcharging	0.5	No	No	Yes
17/07/2018	14441886	6219992	1 Flat Bush Rd	Otara	N/A	L1	81	Unknown	0.5	No	No	Yes
17/07/2018	14441894	6220830	12 Lloyd Ave	Papatoetoe	N/A	L1	52	Fat	0.5	No	No	Yes
17/07/2018	14442006	6210845	39 Cantora Ave	Northpark	N/A	L1	1085	Surcharging	0.5	No	No	Yes
19/07/2018	14447660	6220838	538B Great South Rd	Papatoetoe	N/A	L1	89	Surcharging	1.5	No	No	Yes
20/07/2018	14448966	7090500	2/7 Dennis Rd	Papatoetoe	N/A	L1	219	Surcharging	1.5	No	No	Yes
20/07/2018	14449581	6211523	40A Ennis Ave	Pakuranga Heights	N/A	L1	309	Fat	1.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
21/07/2018	14451887	6209701	23 Bob Charles Dr	Howick	N/A	L1	126	Roots	0	No	No	Yes
22/07/2018	14452409	6033311	2 Desmond Pl	Otara	N/A	L1	34	Fat	7	No	No	Yes
23/07/2018	14453989	7076810	4 John Broad Pl	Flat Bush	N/A	L1	164	Fat	2.5	No	No	Yes
27/07/2018	14467416	6219017	272 Bairds Rd	Otara	N/A	L1	177	Surcharging	0.5	No	No	Yes
29/07/2018	14470876	6210858	1/37 Clydesdale Ave	Northpark	N/A	L1	231	Roots	2	No	No	Yes
30/07/2018	14472153	6224349	31 Swaffield Rd	Papatoetoe	N/A	L1	305	Rags	1	No	No	Yes
31/07/2018	14476080	6206971	1/22 Andrew Baxter Dr	Mangere	N/A	L1	1291	Foreign Object	0	No	No	Yes
1/08/2018	14479662	6206795	94 Nelson St	Howick	N/A	L1	60	Fat	2.5	No	No	Yes
1/08/2018	14479663	8823758	249 Marua Rd	Mt Wellington	N/A	L1	136	Rubbish	2.5	No	No	Yes
1/08/2018	14480289	8997361	1/60 Hutton St	Otahuhu	N/A	L1	202	Fat	2.5	No	No	Yes
1/08/2018	14481636	8997838	418 Panama Rd	Mt Wellington	N/A	L1	85	Rags	2.5	No	No	Yes
1/08/2018	14482052	6221619	1/25 Sandra Ave	Otara	N/A	L1	1125	Foreign Object	2.5	No	No	Yes
3/08/2018	14487906	9007875	30 Bowden Rd	Mt Wellington	N/A	L1	118	Rubbish	5	No	No	Yes
3/08/2018	14488447	6223255	60 Hallberry Rd	Mangere East	N/A	L1	91	Fat	5	No	No	Yes
4/08/2018	14489350	9008736	1/246 Mt Wellington Highway	Mt Wellington	N/A	L1	257	Unknown	0.5	No	No	Yes
4/08/2018	14489487	6213115	21 Anaheim Blvd	Northpark	N/A	L1	283	Roots	0.5	No	No	Yes
5/08/2018	14490295	6206234	17 Macleans Rd	Bucklands Beach	N/A	L1	61	Roots	0	No	No	Yes
6/08/2018	14491413	9008735	1/246 Mt Wellington Highway	Mt Wellington	N/A	L1	110	Fat	0.5	No	No	Yes
6/08/2018	14492329	6213848	47 Archmillen Ave	Pakuranga Heights	N/A	L1	53	Rubbish	0.5	No	No	Yes
7/08/2018	14496030	9007958	31 Allright Pl	Mt Wellington	N/A	L1	88	Roots	0	No	No	Yes
8/08/2018	14500489	6221117	331 Bairds Rd	Otara	N/A	L1	275	Rags	8	No	No	Yes
9/08/2018	14501787	6218325	20 Zelanian Dr	East Tamaki	N/A	L1	304	Roots	0.5	No	No	Yes
9/08/2018	14502992	6206252	3/232 Bucklands Beach Rd	Bucklands Beach	N/A	L1	168	Fat	0.5	No	No	Yes
12/08/2018	14507259	6223156	25 Middlemore Cres	Papatoetoe	N/A	L1	164	Rags	0	No	No	Yes
12/08/2018	14507334	8997950	14 Hillside Rd	Mt Wellington	N/A	L1	296	Rags	0	No	No	Yes
12/08/2018	14507373	50225057	25 Kawa Dr	Flat Bush	N/A	L1	38	3rd party damage	0	No	No	Yes
13/08/2018	14508221	9008040	3 Donnor Pl	Mt Wellington	-	L3	78	Roots	6.5	Yes	Yes	Yes
13/08/2018	14508320	6206971	1/22 Andrew Baxter Dr	Mangere	N/A	L1	392	Silts	6.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
13/08/2018	14508380	50225057	Kawa Dr	Flat Bush	N/A	L1	319	3rd party damage	6.5	No	No	Yes
15/08/2018	14515658	7092727	4 Lucca Cres	Flat Bush	N/A	L1	248	Fat	4.5	No	No	Yes
15/08/2018	14516123	50037284	50 Huia Rd	Papatoetoe	N/A	L1	178	3rd party damage	4.5	No	No	Yes
15/08/2018	14516530	50225056	36 Quattro Ave	Flat Bush	N/A	L1	215	3rd party damage	4.5	No	No	Yes
16/08/2018	14518379	6207047	66 Archmillen Ave	Pakuranga Heights	N/A	L1	75	Fat	0.5	No	No	Yes
16/08/2018	14518784	6218522	31 Firth Cres	Otara	N/A	L1	253	Fat	0.5	No	No	Yes
17/08/2018	14522814	6219073	54 Cornwall Rd	Papatoetoe	N/A	L1	115	Fat	12.5	No	No	Yes
20/08/2018	14526092	6477424	6 Waimate St	Otara	N/A	L1	282	Fat	1.5	No	No	Yes
20/08/2018	14526490	6218932	221 Bairds Rd	Otara	N/A	L1	133	Fat	1.5	No	No	Yes
21/08/2018	14530827	9008160	27 Lynton Rd	Mt Wellington	N/A	L1	1019	Unknown	3.5	No	No	Yes
24/08/2018	14538858	6219211	14R Ravenna Way	Otara	N/A	L1	136	Fat	1.5	No	No	Yes
24/08/2018	14539652	6207135	73 Edendale Rd	Northpark	N/A	L1	107	Roots	1.5	No	No	Yes
25/08/2018	14540060	6215488	1/63 Cardiff Rd	Pakuranga Heights	N/A	L1	277	Rubbish	2.5	No	No	Yes
25/08/2018	14540173	6220823	6 Waimate St	Otara	N/A	L1	291	Unknown	2.5	No	No	Yes
28/08/2018	14545596	6208384	1/366 Bucklands Beach Rd	Bucklands Beach	N/A	L1	57	Fat	4.5	No	No	Yes
28/08/2018	14546742	6219669	East Tamaki Rd	East Tamaki		L2	204	Silts	4.5	No	No	Yes
28/08/2018	14546748	8997433	6 Avenue Rd	Otahuhu	N/A	L1	1368	Unknown	4.5	No	No	Yes
29/08/2018	14548476	6210221	19 Darren Cres	Highland Park	N/A	L1	65	Surcharging	48	No	No	Yes
29/08/2018	14548636	6210198	8 Udall Pl	Bucklands Beach	N/A	L1	292	Surcharging	48	No	No	Yes
29/08/2018	14548920	6207849	241 Bucklands Beach Rd	Bucklands Beach	N/A	L1	47	Surcharging	48	No	No	Yes
29/08/2018	14549425	6203768	1/21 Westview Crt	Howick	N/A	L1	73	Unknown	48	No	No	Yes
29/08/2018	14549755	7093331	Bairds Rd	Otara	N/A	L1	1281	Surcharging	48	No	No	Yes
29/08/2018	14549938	6209971	43 Darren Cres	Highland Park	N/A	L1	1128	Surcharging	48	No	No	Yes
29/08/2018	14550349	6213510	6 Wood Ave	Howick	N/A	L1	154	Surcharging	48	No	No	Yes
30/08/2018	14551136	6204260	2/70 Nicholas Rd	Northpark	-	L2	175	Roots	0	No	No	Yes
30/08/2018	14553550	6213171	735 Chapel Rd	Howick	N/A	L1	221	Roots	0	No	No	Yes
1/09/2018	14557321	9008444	249 Marua Rd	Mt Wellington	N/A	L1	945	Roots	0	No	No	Yes
3/09/2018	14558546	6220367	36 Kautami Ave	Papatoetoe	N/A	L1	88	Fat	9.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
3/09/2018	14558598	6470052	108 Armoy Dr	East Tamaki	N/A	L1	418	Roots	9.5	No	No	Yes
4/09/2018	14562743	6214767	21 Greenhill Cres	Pakuranga Heights	N/A	L1	331	Roots	0	No	No	Yes
4/09/2018	14563109	6224235	123 Gray Ave	Papatoetoe	N/A	L1	197	Fat	0	No	No	Yes
4/09/2018	14564132	6219062	9 Herald Pl	Otara	N/A	L1	1103	Fat	0	No	No	Yes
5/09/2018	14565152	6217951	68S Dawson Rd	Otara	N/A	L1	200	Roots	0	No	No	Yes
6/09/2018	14568116	6285390	12 Gray Ave	Mangere East	N/A	L1	231	Foreign Object	6	No	No	Yes
7/09/2018	14573170	7106771	22 Edorvale Ave	Papatoetoe	N/A	L1	221	Foreign Object	0	No	No	Yes
9/09/2018	14574251	6208813	65 Meadway	Sunnyhills	N/A	L1	86	Rags	0	No	No	Yes
10/09/2018	14575524	6208384	1/366 Bucklands Beach Rd	Bucklands Beach	N/A	L1	170	Fat	1	No	No	Yes
11/09/2018	14580368	6235352	22 Edorvale Ave	Papatoetoe	N/A	L1	234	Foreign Object	0.5	No	No	Yes
11/09/2018	14580402	6235352	189 Arthur St	Onehunga	N/A	L1	110	Unknown	0.5	No	No	Yes
12/09/2018	14584932	8814493	250 Panama Rd	Mt Wellington	N/A	L1	105	3rd Party Damage	0	No	No	Yes
15/09/2018	14592105	8997381	14 Avenue Rd	Otahuhu	N/A	L1	77	Rags	0	No	No	Yes
20/09/2018	14603377	6219318	711 Great South Rd	Papatoetoe	N/A	L1	344	Fat	0	No	No	Yes
21/09/2018	14606527	9009132	76B Panorama Rd	Mt Wellington	N/A	L1	250	Rags	1	No	No	Yes
21/09/2018	14606993	6222904	12 Gray Ave	Mangere East	N/A	L1	80	Foreign Object	1	No	No	Yes
23/09/2018	14609896	50030260	53 Argento Ave	Flat Bush	N/A	L1	175	Fat	0	No	No	Yes
26/09/2018	14617948	6206973	19 Voltaire Crt	Botany Downs	N/A	L1	234	Roots	2.5	No	No	Yes
29/09/2018	14626682	6208812	2/41 Aberfeldy Ave	Highland Park	N/A	L1	262	Fat	0	No	No	Yes
1/10/2018	14630378	6221248	273 East Tamaki Rd	Otara	N/A	L1	109	Fat	0	No	No	Yes
1/10/2018	14630618	6220233	31 Firth Cres	Otara	N/A	L1	64	Foreign Object	0	No	No	Yes
2/10/2018	14631921	6214431	157 Edgewater Dr	Pakuranga	N/A	L1	113	Fat	4.5	No	No	Yes
3/10/2018	14636912	6029083	10 Opal Ave	Pakuranga Heights	N/A	L1	1128	Roots	2.5	No	No	Yes
4/10/2018	14638277	6215450	71 Reeves Rd	Pakuranga Heights	N/A	L1	213	Fat	0	No	No	Yes
4/10/2018	14638522	6040093	18R Dissmeyer Dr	Flat Bush	N/A	L1	326	Fat	0	No	No	Yes
8/10/2018	14646646	6220219	90 Gilbert Rd	Otara	N/A	L1	126	Rags	0	No	No	Yes
12/10/2018	14660322	6220261	120 East Tamaki Rd	Otara	N/A	L1	373	Fat	6.5	No	No	Yes
12/10/2018	14661423	6219352	23 Laureston Ave	Papatoetoe	-	L2	201	Fat	6.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/10/2018	14667280	6221721	270 East Tamaki Rd	Otara	N/A	L1	82	Unknown	0	No	No	Yes
15/10/2018	14667915	6216526	295 Ti Rakau Dr	East Tamaki	N/A	L1	95	Fat	0	No	No	Yes
16/10/2018	14670613	7098942	10 Sparky (Private) Rd	Otara	N/A	L1	311	Rubbish	0	No	No	Yes
17/10/2018	14674320	6220261	120 East Tamaki Rd	Otara	N/A	L1	1292	Fat	1.5	No	No	Yes
18/10/2018	14676325	6220005	6 Esperanto Rd	Papatoetoe	N/A	L1	217	Fat	1	No	No	Yes
19/10/2018	14680485	6223205	12 Troon Pl	Papatoetoe	N/A	L1	298	Fat	0	No	No	Yes
22/10/2018	14684029	6210267	15 Tangelo Pl	Highland Park	N/A	L1	449	Unknown	0	No	No	Yes
24/10/2018	14689067	6223205	2/14 Troon Pl	Papatoetoe	N/A	L1	128	Unknown	0	No	No	Yes
27/10/2018	14699797	6036202	12 Troon Pl	Papatoetoe	N/A	L1	185	Fat	12	No	No	Yes
28/10/2018	14700565	6203768	2/21 Westview Crt	Howick	N/A	L1	85	Fat	3	No	No	Yes
31/10/2018	14709948	7096993	51A Landon Ave	Mangere East	N/A	L1	112	Fat	0.5	No	No	Yes
31/10/2018	14710509	8997809	321 Panama Rd	Mt Wellington	N/A	L1	111	Rags	0.5	No	No	Yes
2/11/2018	14718181	6222494	35 Landon Ave	Mangere East	N/A	L1	220	Fat	0	No	No	Yes
6/11/2018	14727840	6219017	284 Bairds Rd	Otara	N/A	L1	852	Fat	0	No	No	Yes
7/11/2018	14730068	6959903	88 Cyril French Dr	Flat Bush	N/A	L1	290	Roots	0	No	No	Yes
10/11/2018	14737965	6213176	747 Chapel Rd	Howick	N/A	L1	51	Fat	1.5	No	No	Yes
12/11/2018	14740416	6223182	27 Eden St	Mangere East	N/A	L1	128	Fat	2.5	No	No	Yes
12/11/2018	14741980	8997483	10A Beatty St	Otahuhu	N/A	L1	110	Rubbish	2.5	No	No	Yes
13/11/2018	14743298	6223076	39A Earlsworth Rd	Mangere East	N/A	L1	319	Unknown	0	No	No	Yes
15/11/2018	14750103	6206504	21 Wycherley Dr	Bucklands Beach	N/A	L1	91	Fat	0	No	No	Yes
15/11/2018	14750716	6509998	48 Chapel Rd	Flat Bush	N/A	L1	69	Roots	0	No	No	Yes
17/11/2018	14755594	8997716	203 Panama Rd	Mt Wellington	N/A	L1	117	Roots	0	No	No	Yes
17/11/2018	14755901	6031302	1/23 Springs Rd	East Tamaki	N/A	L1	182	Roots	0	No	No	Yes
18/11/2018	14756715	6217519	234 Kilkenny Dr	Howick	N/A	L1	833	Unknown	0	No	No	Yes
19/11/2018	14758433	6209582	1/5 West Fairway	Howick	N/A	L1	114	Fat	9	No	No	Yes
19/11/2018	14758446	6223182	27 Eden St	Mangere East	N/A	L1	1352	Roots	9	No	No	Yes
19/11/2018	14759631	6224823	42 Beryl Pl	Mangere East	N/A	L1	1162	Fat	9	No	No	Yes
21/11/2018	14765277	6221338	40 Tyrone St	Otara	N/A	L1	115	Fat	5.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/11/2018	14771561	6214305	104 Ti Rakau Dr	Pakuranga	N/A	L1	262	Unknown	0	No	No	Yes
23/11/2018	14771780	6214305	2/63 Cardiff Rd	Pakuranga Heights	N/A	L1	240	Unknown	0	No	No	Yes
23/11/2018	14771904	6230708	19 Killeen Pl	Flat Bush	N/A	L1	55	Roots	0	No	No	Yes
26/11/2018	14776429	6489841	80 Medvale Ave	Flat Bush	N/A	L1	1103	Fat	7.5	No	No	Yes
27/11/2018	14779650	6033463	5 Bruce Pl	Papatoetoe	N/A	L1	159	Fat	2	No	No	Yes
28/11/2018	14782270	6208568	36 Waterloo St	Howick	N/A	L1	222	Fat	0	No	No	Yes
28/11/2018	14783517	6029371	2/17 Riverhills Ave	Pakuranga Heights	N/A	L1	206	Roots	0	No	No	Yes
28/11/2018	14784207	6029915	34 Kilkenny Dr	Howick	N/A	L1	72	Roots	0	No	No	Yes
28/11/2018	14784249	6036237	40 Beryl Pl	Mangere East	N/A	L1	213	Fat	0	No	No	Yes
29/11/2018	14785549	6020069	2/40 Minerva Tce	Howick	N/A	L1	313	Roots	0	No	No	Yes
29/11/2018	14786181	8997452	55 Atkinson Ave	Otahuhu	N/A	L1	160	Rags	0	No	No	Yes
29/11/2018	14786769	6216526	295 Ti Rakau Dr	East Tamaki	N/A	L1	1407	Fat	0	No	No	Yes
30/11/2018	14789557	6034008	2A Springs Rd	Otara	N/A	L1	235	Fat	0	No	No	Yes
3/12/2018	14792738	6222927	2/70 Rosella Rd	Mangere East	N/A	L1	104	Fat	17.5	No	No	Yes
4/12/2018	14797627	6221812	40 Bairds Rd	Otara	N/A	L1	119	Fat	7.5	No	No	Yes
4/12/2018	14797905	50174037	26 Stanniland St	Sunnyhills	N/A	L1	170	Rubbish	7.5	No	No	Yes
4/12/2018	14798141	6465708	15 Lansell Dr	Howick	N/A	L1	62	Fat	7.5	No	No	Yes
5/12/2018	14798882	6208663	98 Howe St	Howick	N/A	L1	111	Fat	5.5	No	No	Yes
5/12/2018	14799711	6219703	1/45 Everitt Rd	Otara	N/A	L1	114	Unknown	5.5	No	No	Yes
5/12/2018	14800997	6206938	26A Stanniland St	Sunnyhills	N/A	L1	1259	3rd party damage	5.5	No	No	Yes
6/12/2018	14802881	6215730	34 Tiraumea Dr	Pakuranga	N/A	L1	224	3rd party damage	4	No	No	Yes
6/12/2018	14803852	6254231	14 Udall Pl	Bucklands Beach	N/A	L1	190	Unknown	4	No	No	Yes
7/12/2018	14805316	6215712	13 Nevada Ave	Pakuranga Heights	N/A	L1	197	Roots	0	No	No	Yes
11/12/2018	14814819	6029590	2/175A Ti Rakau Dr	Pakuranga	N/A	L1	86	Fat	0	No	No	Yes
12/12/2018	14815675	6220646	36 Stonex Rd	Papatoetoe	N/A	L1	123	Unknown	0	No	No	Yes
12/12/2018	14816398	6216885	6/5 Polaris Pl	East Tamaki	N/A	L1	275	Unknown	0	No	No	Yes
13/12/2018	14820626	6480971	27 Heyington Way	East Tamaki Heights	N/A	L1	102	Unknown	0	No	No	Yes
14/12/2018	14823777	6231452	2 Eterna Pl	Clover Park	N/A	L1	100	Unknown	6	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/12/2018	14824177	6040093	30 Sidey Ave	Flat Bush	N/A	L1	118	Surcharging	6	No	No	Yes
15/12/2018	14824320	6217369	42 Belinda Ave	Otara	N/A	L1	549	Unknown	6	No	No	Yes
16/12/2018	14825300	6220067	6 Pamir Rd	Papatoetoe	N/A	L1	153	Fat	1.5	No	No	Yes
16/12/2018	14825524	6223400	44 Raglan St	Mangere East	N/A	L1	135	Rags	1.5	No	No	Yes
16/12/2018	14825620	6029936	617 Chapel Rd	Howick	N/A	L1	1111	Roots	1.5	No	No	Yes
17/12/2018	14826370	6223400	44 Raglan St	Mangere East	N/A	L1	141	Fat	0	No	No	Yes
17/12/2018	14826900	6040093	32 Sidey Ave	Flat Bush	N/A	L1	96	Surcharging	0	No	No	Yes
17/12/2018	14826930	6220067	6 Pamir Rd	Papatoetoe	N/A	L1	239	Fat	0	No	No	Yes
17/12/2018	14828260	6035975	3/29 Earlsworth Rd	Mangere East	3	L2	131	Silts	0	No	No	Yes
18/12/2018	14831259	6220540	9 Bruce Pl	Papatoetoe	N/A	L1	149	Roots	0	No	No	Yes
20/12/2018	14835476	6223255	60 Hallberry Rd	Mangere East	N/A	L1	114	Rags	24	No	No	Yes
20/12/2018	14836209	6032854	58 Woolfield Rd	Papatoetoe	N/A	L1	1247	Surcharging	24	No	No	Yes
20/12/2018	14836251	6216462	5 Polaris Pl	East Tamaki	N/A	L1	151	Foreign Object	24	No	No	Yes
20/12/2018	14836427	6224237	3/29 Earlsworth Rd	Mangere East	N/A	L1	370	Fat	24	No	No	Yes
20/12/2018	14836730	6040100	30 Sidey Ave	Flat Bush	N/A	L1	213	Surcharging	24	No	No	Yes
20/12/2018	14836895	8997118	18 Water St	Otahuhu	N/A	L1	89	Surcharging	24	No	No	Yes
20/12/2018	14837095	8996906	85A Luke St	Otahuhu	N/A	L1	44	Fat	24	No	No	Yes
20/12/2018	14837366	6034352	2/38 Capstick Rd	Otara	N/A	L1	104	Fat	24	No	No	Yes
21/12/2018	14837847	6231429	1/82 Te Irirangi Dr	Clover Park	N/A	L1	510	Unknown	4	No	No	Yes
21/12/2018	14838426	6224237	3/29 Earlsworth Rd	Mangere East	N/A	L1	187	Fat	4	No	No	Yes
21/12/2018	14840456	6027681	1/47 Archmillen Ave	Pakuranga Heights	N/A	L1	264	Unknown	4	No	No	Yes
22/12/2018	14841474	6219036	1/1 Guthrey Pl	Otara	N/A	L1	86	Surcharging	1	No	No	Yes
23/12/2018	14841720	8997914	106 Hillside Rd	Mt Wellington	N/A	L1	194	Fat	25	No	No	Yes
23/12/2018	14842241	6028886	24 Elizabeth St	Pakuranga Heights	N/A	L1	113	Unknown	25	No	No	Yes
24/12/2018	14842792	6218982	17 Rongomai Rd	Otara	N/A	L1	110	Fat	47	No	No	Yes
24/12/2018	14842907	6033671	23 Clutha Cres	Otara	N/A	L1	149	Surcharging	47	No	No	Yes
24/12/2018	14843069	9226892	34 Church St	Otahuhu	N/A	L1	118	Unknown	47	No	No	Yes
24/12/2018	14843136	6221329	13 Perth St	Otara	N/A	L1	274	Unknown	47	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/12/2018	14843555	6221665	27 Pearl Baker Dr	Otara	N/A	L1	158	Fat	47	No	No	Yes
24/12/2018	14843634	6221625	25R Hannah Rd	Otara	N/A	L1	141	Surcharging	47	No	No	Yes
24/12/2018	14844431	6210198	8 Udall Pl	Bucklands Beach	N/A	L1	683	Surcharging	47	No	No	Yes
24/12/2018	14844434	6215211	142A Tiraumea Dr	Pakuranga	N/A	L1	633	Surcharging	47	No	No	Yes
25/12/2018	14844464	6221091	23 Clutha Cres	Otara	N/A	L1	668	Surcharging	25	No	No	Yes
25/12/2018	14844522	6024091	10/5 Aviemore Dr	Highland Park	N/A	L1	91	Surcharging	25	No	No	Yes
25/12/2018	14844591	6221589	2/38 Capstick Rd	Otara	N/A	L1	111	Surcharging	25	No	No	Yes
25/12/2018	14844593	6220641	1/107 East Tamaki Rd	Papatoetoe	N/A	L1	70	Surcharging	25	No	No	Yes
25/12/2018	14844644	9008711	Thompson Park Rd	Mt Wellington	N/A	L1	297	Rubbish	25	No	No	Yes
25/12/2018	14844728	6221646	19 Pearl Baker Dr	Otara	N/A	L1	1296	Fat	25	No	No	Yes
25/12/2018	14844762	6215488	1/63 Cardiff Rd	Pakuranga Heights	N/A	L1	1004	Surcharging	25	No	No	Yes
25/12/2018	14844813	6223336	2/2 Barrie Ave	Papatoetoe	N/A	L1	1139	Surcharging	25	No	No	Yes
26/12/2018	14845185	6224271	3 Barrie Ave	Papatoetoe	N/A	L1	449	Fat	0.5	No	No	Yes
27/12/2018	14845792	6220055	17 Clutha Cres	Otara	N/A	L1	250	Surcharging	0	No	No	Yes
27/12/2018	14846202	6224794	27 Hallberry Rd	Mangere East	N/A	L1	102	Surcharging	0	No	No	Yes
27/12/2018	14846928	6032905	7 Kudu Rd	Otara	N/A	L1	1086	Surcharging	0	No	No	Yes
27/12/2018	14847088	6221282	3 Patea Pl	Otara	N/A	L1	132	Fat	0	No	No	Yes
28/12/2018	14849399	6029806	57 Glenmore Rd	Sunnyhills	N/A	L1	77	Fat	0	No	No	Yes
29/12/2018	14849780	.	2/32 Wedgwood Ave	Mangere East	N/A	L1	119	Unknown	0	No	No	Yes
30/12/2018	14850587	6489914	263 East Tamaki Rd	Otara	N/A	L1	123	Unknown	0	No	No	Yes
30/12/2018	14850907	6035980	2/32 Wedgwood Ave	Mangere East	N/A	L1	129	Unknown	0	No	No	Yes
31/12/2018	14851368	7097123	3 Barrie Ave	Papatoetoe	N/A	L1	346	Foreign Object	0	No	No	Yes
1/01/2019	14852837	.	37 Murvale Dr	Bucklands Beach	N/A	L1	51	Unknown	0	No	No	Yes
1/01/2019	14852896	6218982	17 Rongomai Rd	Otara	N/A	L1	233	Fat	0	No	No	Yes
1/01/2019	14853153	8997711	1/300 Panama Rd	Mt Wellington	N/A	L1	1176	Unknown	0	No	No	Yes
2/01/2019	14853581	6035980	2/32 Wedgwood Ave	Mangere East	N/A	L1	220	Fat	0	No	No	Yes
3/01/2019	14855271	9004769	3 Alcock St	Mt Wellington	N/A	L1	162	Fat	0	No	No	Yes
5/01/2019	14858678	6224237	3/29 Earlsworth Rd	Mangere East	N/A	L1	210	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
6/01/2019	14859593	6035980	81S Gray Ave	Papatoetoe	N/A	L1	174	Unknown	0	No	No	Yes
7/01/2019	14860738	6035975	81S Gray Ave	Papatoetoe	N/A	L1	255	Fat	0	No	No	Yes
8/01/2019	14865456	6023847	63B Howe St	Howick	N/A	L1	296	Unknown	0	No	No	Yes
8/01/2019	14865508	6463440	5 Delmont Cl	Howick	N/A	L1	958	Roots	0	No	No	Yes
9/01/2019	14867595	6045156	28 Windoma Cir	Papatoetoe	N/A	L1	177	Unknown	0	No	No	Yes
9/01/2019	14868331	6275336	1/261 Shirley Rd	Papatoetoe	N/A	L1	102	Unknown	0	No	No	Yes
11/01/2019	14874227	6034279	52 Fisher Cres	Otara	N/A	L1	868	Unknown	0	No	No	Yes
12/01/2019	14874799	6214431	157 Edgewater Dr	Pakuranga	N/A	L1	149	Fat	0	No	No	Yes
13/01/2019	14875629	6220508	19 Huia Rd	Papatoetoe	N/A	L1	1407	Foreign Object	0	No	No	Yes
13/01/2019	14875908	6209444	52 Megan Ave	Pakuranga Heights	N/A	L1	168	Unknown	0	No	No	Yes
13/01/2019	14875909	6220508	23 Huia Rd	Papatoetoe	N/A	L1	31	Unknown	0	No	No	Yes
14/01/2019	14878690	7010198	7 Kelvin Hart Dr	East Tamaki	N/A	L1	84	Unknown	14	No	No	Yes
15/01/2019	14879614	6220508	1/107 East Tamaki Rd	Papatoetoe	N/A	L1	68	Foreign Object	3	No	No	Yes
15/01/2019	14880123	6220508	21 Huia Rd	Papatoetoe	N/A	L1	22	Foreign Object	3	No	No	Yes
15/01/2019	14881599	8996841	3 Frank Grey Pl	Otahuhu	N/A	L1	77	Unknown	3	No	No	Yes
15/01/2019	14881643	50225058	9 Kawa Dr	Flat Bush	N/A	L1	913	3rd party damage	3	No	No	Yes
16/01/2019	14882999	6215488	104 Ti Rakau Dr	Pakuranga	N/A	L1	215	Fat	0	No	No	Yes
18/01/2019	14890284	6489805	18 Eastland Rd	Flat Bush	N/A	L1	149	Fat	0	No	No	Yes
19/01/2019	14891318	6213868	34A Gossamer Dr	Pakuranga Heights	3	L2	567	Rags	0	No	No	Yes
19/01/2019	14891436	6219998	71 Dawson Rd	Otara	N/A	L1	347	Fat	0	No	No	Yes
21/01/2019	14893506	6221767	3 Bond St	Otara	N/A	L1	94	Roots	0	No	No	Yes
21/01/2019	14893861	6207404	16 Cantora Ave	Northpark	N/A	L1	229	Roots	0	No	No	Yes
22/01/2019	14898176	6209445	64 Megan Ave	Pakuranga Heights	N/A	L1	113	Unknown	0	No	No	Yes
23/01/2019	14902095	6219795	4/11 Coombe Ave	Otara	N/A	L1	126	Unknown	0	No	No	Yes
23/01/2019	14902195	6210922	2 Frank Nobilo Dr	Howick	N/A	L1	929	Roots	0	No	No	Yes
24/01/2019	14903350	6211608	1/11 Lexington Dr	Botany Downs	N/A	L1	1331	Roots	1	No	No	Yes
24/01/2019	14904841	50477517	23 Bruckless Dr	Flat Bush	N/A	L1	183	Rubbish	1	No	No	Yes
25/01/2019	14906518	8996841	3A Frank Grey Pl	Otahuhu	N/A	L1	57	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/01/2019	14907794	6219254	1/15 Alexander Cres	Otara	N/A	L1	964	Unknown	0	No	No	Yes
26/01/2019	14908784	6949006	80/7 Kelvin Hart Dr	East Tamaki	N/A	L1	124	Roots	0	No	No	Yes
28/01/2019	14910748	6224344	51 Wedgwood Ave	Mangere East	N/A	L1	139	Unknown	1	No	No	Yes
28/01/2019	14910983	6219102	14 Murray Rd	Otara	N/A	L1	111	Fat	1	No	No	Yes
29/01/2019	14913654	6486096	10/333 East Tamaki Rd	Otara	N/A	L1	188	Fat	2.5	No	No	Yes
30/01/2019	14915026	6219844	149 Preston Rd	Otara	N/A	L1	68	Unknown	0	No	No	Yes
30/01/2019	14917329	6218969	1/261 Shirley Rd	Papatoetoe	N/A	L1	1346	Unknown	0	No	No	Yes
30/01/2019	14917393	6026838	17 Artesia Cl	Northpark	N/A	L1	880	Roots	0	No	No	Yes
31/01/2019	14918674	6209783	26 Simon Owen Pl	Howick	-	L2	345	Unknown	0	No	No	Yes
1/02/2019	14923457	6219741	53 Cooper Cres	Otara	N/A	L1	24	Unknown	0	No	No	Yes
2/02/2019	14924407	9007979	13 Tomuri Pl	Mt Wellington	N/A	L1	95	Roots	0	No	No	Yes
3/02/2019	14925064	7038692	10 Triumph Rd	Flat Bush	N/A	L1	84	Roots	0	No	No	Yes
4/02/2019	14927663	6215093	3/10 Wheatley Ave	Pakuranga	N/A	L1	109	Roots	0	No	No	Yes
4/02/2019	14928465	6215046	147 Gossamer Dr	Pakuranga Heights	N/A	L1	219	Fat	0	No	No	Yes
5/02/2019	14931024	6211319	15 Hedge Row	Sunnyhills	N/A	L1	80	Fat	0	No	No	Yes
6/02/2019	14932714	7028682	110A Buckland Rd	Mangere East	N/A	L1	170	Fat	4	No	No	Yes
6/02/2019	14932842	7038695	24 Triumph Rd	Flat Bush	N/A	L1	85	Fat	4	No	No	Yes
7/02/2019	14935834	6221343	13 Perth St	Otara	N/A	L1	98	Fat	0	No	No	Yes
9/02/2019	14940488	6209900	69 Keppoch Crt	Howick	N/A	L1	79	Fat	0	No	No	Yes
9/02/2019	14940660	9007979	13 Tomuri Pl	Mt Wellington	N/A	L1	153	Foreign Object	0	No	No	Yes
12/02/2019	14945910	6211228	62E Wellington St	Howick	N/A	L1	212	Fat	0	No	No	Yes
12/02/2019	14948022	.	42 Ennis Ave	Pakuranga Heights	N/A	L1	64	Rags	0	No	No	Yes
13/02/2019	14951244	6029397	1/6 Edgewater Dr	Pakuranga	N/A	L1	1184	Roots	0	No	No	Yes
14/02/2019	14953688	9008960	1/12 Spooner Lane	Mt Wellington	N/A	L1	61	Roots	0	No	No	Yes
14/02/2019	14953990	6030784	37 Belinda Ave	Otara	N/A	L1	214	Fat	0	No	No	Yes
15/02/2019	14956628	7028685	110A Buckland Rd	Mangere East	N/A	L1	205	Fat	0	No	No	Yes
15/02/2019	14956938	50475585	60 Highbrook Dr	East Tamaki	2.5	L2	178	Fat	0	No	No	Yes
17/02/2019	14958641	8826080	16 Coppins Rd	Mt Wellington	N/A	L1	132	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
18/02/2019	14960040	8997019	10 Meadow St	Mt Wellington	N/A	L1	292	Rubbish	0.5	No	No	Yes
18/02/2019	14961550	6218786	3 Lansdown Ave	Papatoetoe	N/A	L1	159	Fat	0.5	No	No	Yes
18/02/2019	14961833	8815317	10 Walters Rd	Mt Wellington	-	L2	74	Roots	0.5	No	No	Yes
19/02/2019	14963175	6267991	31 Reeves Rd	Pakuranga Heights	N/A	L1	616	Roots	0	No	No	Yes
19/02/2019	14964771	6220098	83 Gilbert Rd	Otara	N/A	L1	220	Fat	0	No	No	Yes
20/02/2019	14966109	6219235	477 Great South Rd	Papatoetoe		L2	141	Rags	0	No	No	Yes
20/02/2019	14966258	6209483	58 Orangewood Dr	Northpark	N/A	L1	337	Fat	0	No	No	Yes
20/02/2019	14966453	7049498	20 Pembroke St	Papatoetoe	N/A	L1	137	Unknown	0	No	No	Yes
20/02/2019	14967762	6218054	329 East Tamaki Rd	Otara	3	L2	282	Fat	0	No	No	Yes
21/02/2019	14971382	6219077	1/80 Tui Rd	Papatoetoe	N/A	L1	124	Fat	0	No	No	Yes
22/02/2019	14972611	8997848	12 Fisher Cres	Mt Wellington	N/A	L1	154	Unknown	18	No	No	Yes
22/02/2019	14974139	6210638	4/9 Dunn Pl	Farm Cove	N/A	L1	243	Foreign Object	18	No	No	Yes
22/02/2019	14974749	6494916	27 Sean Fitzpatrick Pl	Papatoetoe	N/A	L1	306	Fat	18	No	No	Yes
23/02/2019	14975042	6216006	188 Pakuranga Rd	Pakuranga	N/A	L1	205	Rags	4.5	No	No	Yes
23/02/2019	14975275	6210670	45 Vincent St	Howick	-	L2	220	Unknown	4.5	No	No	Yes
23/02/2019	14975614	6028753	1/59 Udys Rd	Pakuranga Heights	N/A	L1	265	Fat	4.5	No	No	Yes
23/02/2019	14976203	6222484	42 Wedgwood Ave	Mangere East	N/A	L1	129	Unknown	4.5	No	No	Yes
24/02/2019	14976865	6223337	2/2 Barrie Ave	Papatoetoe	N/A	L1	117	Fat	1.5	No	No	Yes
25/02/2019	14978157	51202085	60 Highbrook Dr	East Tamaki	-	L2	123	Unknown	0	No	No	Yes
25/02/2019	14978746	6030396	5 Polaris Pl	East Tamaki	N/A	L1	83	Rags	0	No	No	Yes
25/02/2019	14979180	6715414	15 Kaseng Pl	East Tamaki	N/A	L1	122	Roots	0	No	No	Yes
25/02/2019	14980527	6219549	99 Maich Rd	Manurewa	N/A	L1	176	Fat	0	No	No	Yes
25/02/2019	14980553	6214778	55 Udys Rd	Pakuranga Heights	N/A	L1	102	Unknown	0	No	No	Yes
28/02/2019	14987556	3124425	60 Highbrook Dr	East Tamaki	N/A	L1	161	Foreign Object	0	No	No	Yes
1/03/2019	14992055	8997621	55A Atkinson Ave	Otahuhu	N/A	L1	162	Roots	0	No	No	Yes
1/03/2019	14992364	6216126	13 Dolphin St	Pakuranga	N/A	L1	333	Unknown	0	No	No	Yes
1/03/2019	14992657	6702993	1/21 Armoy Dr	East Tamaki	N/A	L1	1143	Unknown	0	No	No	Yes
2/03/2019	14993636	6218982	19 Rongomai Rd	Otara	N/A	L1	188	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
2/03/2019	14993700	6214326	6 Marriott Rd	Pakuranga Heights	-	L2	279	Unknown	0	No	No	Yes
2/03/2019	14994376	6220508	1/1 Huia Rd	Papatoetoe	N/A	L1	217	Fat	0	No	No	Yes
4/03/2019	14996356	8997216	22 Ngaio St	Otahuhu	N/A	L1	175	Foreign Object	0	No	No	Yes
6/03/2019	15002576	6214868	6 Bolina Cres	Pakuranga	N/A	L1	59	Fat	0	No	No	Yes
7/03/2019	15006387	6217317	23 Frank Bunce Grv	Flat Bush	N/A	L1	130	Fat	0	No	No	Yes
7/03/2019	15007184	8814672	123 Carbine Rd	Mt Wellington	N/A	L1	123	Rubbish	0	No	No	Yes
9/03/2019	15013328	8997268	54A Fairburn Rd	Otahuhu	N/A	L1	795	Surcharging	13	No	No	Yes
10/03/2019	15013589	9010202	47 Mataroa Rd	Mt Wellington	N/A	L1	85	Fat	0	No	No	Yes
10/03/2019	15013834	50225307	Carrickdawson Dr	Flat Bush	N/A	L1	260	Rubbish	0	No	No	Yes
10/03/2019	15013966	6030342	585R Chapel Rd	Howick	N/A	L1	940	Broken pipe	0	No	No	Yes
11/03/2019	15015787	6215361	78 Glenmore Rd	Sunnyhills	N/A	L1	176	Roots	0	No	No	Yes
12/03/2019	15018324	6483869	4 Wilmay Ave	Papatoetoe	N/A	L1	180	Rags	0	No	No	Yes
12/03/2019	15018391	9007992	75A Waipuna Rd	Mt Wellington	N/A	L1	213	Foreign Object	0	No	No	Yes
12/03/2019	15018485	8996629	54 Bernard St	Mt Wellington	N/A	L1	84	Fat	0	No	No	Yes
13/03/2019	15021084	9008985	174 Penrose Rd	Mt Wellington	N/A	L1	383	Rubbish	0	No	No	Yes
13/03/2019	15021105	8997714	235 Panama Rd	Mt Wellington	N/A	L1	403	Foreign Object	0	No	No	Yes
13/03/2019	15022313	6213999	78 Glenmore Rd	Sunnyhills	N/A	L1	420	Roots	0	No	No	Yes
13/03/2019	15022634	6209971	161 Gills Rd	Highland Park	N/A	L1	104	Unknown	0	No	No	Yes
13/03/2019	15022662	6211634	5 Murvale Dr	Bucklands Beach	N/A	L1	374	Fat	0	No	No	Yes
14/03/2019	15024431	6210135	17 Maugham Dr	Bucklands Beach	N/A	L1	49	Roots	0	No	No	Yes
14/03/2019	15026444	8997797	24 Jolson Rd	Mt Wellington	N/A	L1	192	Foreign Object	0	No	No	Yes
16/03/2019	15030373	6022539	2 Mark Edward Dr	Half Moon Bay	N/A	L1	238	Fat	0	No	No	Yes
17/03/2019	15031104	6213859	34A Gossamer Dr	Pakuranga Heights	6	L4	1313	Unknown	0	Yes	Yes	Yes
17/03/2019	15031407	6212513	68 Archmillen Ave	Pakuranga Heights	N/A	L1	316	Fat	0	No	No	Yes
18/03/2019	15034845	6215656	230A Pakuranga Rd	Pakuranga	N/A	L1	1049	Unknown	0	No	No	Yes
20/03/2019	15038834	6216885	2/5 Polaris Pl	East Tamaki	N/A	L1	228	Fat	0	No	No	Yes
20/03/2019	15039036	6220171	11 Margan Ave	Papatoetoe	N/A	L1	147	Fat	0	No	No	Yes
20/03/2019	15040586	6221190	17 Clarkson Cres	Otara	N/A	L1	151	Foreign Object	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/03/2019	15049882	6219011	13 Kudu Rd	Otara	N/A	L1	191	Fat	0	No	No	Yes
25/03/2019	15050046	6207135	73 Edendale Rd	Northpark	N/A	L1	85	Roots	0	No	No	Yes
25/03/2019	15050814	6464906	12 Aclare Pl	East Tamaki	N/A	L1	107	Fat	0	No	No	Yes
26/03/2019	15053321	9010197	320 Panama Rd	Mt Wellington	N/A	L1	190	Fat	0	No	No	Yes
26/03/2019	15053399	6218334	2/15 Alexander Cres	Otara	N/A	L1	239	Fat	0	No	No	Yes
27/03/2019	15057361	6216473	2/5 Polaris Pl	East Tamaki	N/A	L1	225	Fat	0	No	No	Yes
28/03/2019	15061695	6702050	70 Wellington St	Howick	N/A	L1	119	Unknown	11	No	No	Yes
29/03/2019	15062620	6204870	3/11 Paparoa Rd	Howick	N/A	L1	131	Roots	0	No	No	Yes
29/03/2019	15064824	9009390	1/294 Ellerslie-Panmure Highway	Mt Wellington	N/A	L1	133	Unknown	0	No	No	Yes
1/04/2019	15068249	6219579	35 Great South Rd	Papatoetoe	N/A	L1	89	Fat	25	No	No	Yes
2/04/2019	15072577	8997019	12A Meadow St	Mt Wellington	N/A	L1	56	Rags	2.5	No	No	Yes
3/04/2019	15076640	6208663	98 Howe St	Howick	N/A	L1	751	Unknown	0	No	No	Yes
4/04/2019	15077938	6220233	31 Firth Cres	Otara	N/A	L1	112	Rags	0	No	No	Yes
4/04/2019	15078676	6221892	40 Ashton Ave	Otara	N/A	L1	80	Fat	0	No	No	Yes
7/04/2019	15085635	6215109	2/159 Gossamer Dr	Pakuranga Heights	N/A	L1	84	Unknown	0.5	No	No	Yes
8/04/2019	15087304	50459385	10 Whakatupu Rd	Flat Bush	N/A	L1	1404	3rd party damage	0	No	No	Yes
8/04/2019	15087709	50225325	191 Ormiston Rd	Flat Bush	N/A	L1	132	Foreign Object	0	No	No	Yes
11/04/2019	15096989	6465731	12 Aaronville Way	East Tamaki	N/A	L1	91	Fat	4	No	No	Yes
11/04/2019	15097937	7038684	3 Triumph Rd	Flat Bush	N/A	L1	131	Fat	4	No	No	Yes
11/04/2019	15098529	6217398	46 Belinda Ave	Otara	N/A	L1	90	Foreign Object	4	No	No	Yes
12/04/2019	15102158	9008680	4 Bean Pl	Mt Wellington	N/A	L1	88	Roots	5.5	No	No	Yes
12/04/2019	15103059	6216168	2/12 Reeves Rd	Pakuranga Heights	N/A	L1	172	Rubbish	5.5	No	No	Yes
13/04/2019	15103645	8996977	10 Walters Rd	Mt Wellington	N/A	L1	95	Fat	0	No	No	Yes
13/04/2019	15103758	6209192	12 Gillett Pl	Botany Downs	N/A	L1	76	Fat	0	No	No	Yes
13/04/2019	15103848	8996609	320 Panama Rd	Mt Wellington	N/A	L1	199	Fat	0	No	No	Yes
15/04/2019	15107723	6031403	11 Kordel Pl	East Tamaki	N/A	L1	386	3rd party damage	0	No	No	Yes
15/04/2019	15107965	7023251	7 Flat Bush School Rd	Flat Bush	N/A	L1	1111	Fat	0	No	No	Yes
15/04/2019	15108078	6025347	2/63 Kurnell Dr	Botany Downs	N/A	L1	207	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
17/04/2019	15112802	6211204	2/12 Chesley Pl	Highland Park	N/A	L1	49	Unknown	0	No	No	Yes
18/04/2019	15117406	6030533	46 Belinda Ave	Otara	N/A	L1	445	Foreign Object	0	No	No	Yes
21/04/2019	15121213	6217601	9 Moyrus Cres	Howick	N/A	L1	140	Fat	1	No	No	Yes
22/04/2019	15121723	6209939	2/6 Colum Pl	Bucklands Beach	N/A	L1	377	Roots	14.5	No	No	Yes
22/04/2019	15121727	6217398	46 Belinda Ave	Otara	N/A	L1	1289	Rubbish	14.5	No	No	Yes
23/04/2019	15124999	6024038	3 The Link	Howick	N/A	L1	293	Roots	4.5	No	No	Yes
23/04/2019	15125122	6284606	147 Gray Ave	Papatoetoe	N/A	L1	77	Roots	4.5	No	No	Yes
24/04/2019	15125706	6216006	1/1 Acmena Lane	Pakuranga Heights	N/A	L1	227	Roots	0.5	No	No	Yes
24/04/2019	15126662	9008986	2/213 Penrose Rd	Mt Wellington	N/A	L1	135	Unknown	0.5	No	No	Yes
25/04/2019	15128658	8997695	12 Middlemore Rd	Otahuhu	N/A	L1	298	Unknown	0	No	No	Yes
25/04/2019	15128813	6223214	88 Woolfield Rd	Papatoetoe	N/A	L1	704	Unknown	0	No	No	Yes
25/04/2019	15128881	6216043	188 Pakuranga Rd	Pakuranga	N/A	L1	577	Roots	0	No	No	Yes
26/04/2019	15130042	9238342	Stud Way	Mt Wellington	N/A	L1	118	Roots	0	No	No	Yes
30/04/2019	15139403	8997338	21 Water St	Otahuhu	N/A	L1	113	Roots	0	No	No	Yes
30/04/2019	15139753	6219579	35 Great South Rd	Papatoetoe	N/A	L1	59	Foreign Object	0	No	No	Yes
30/04/2019	15140446	9008729	1/9 Lavas Pl	Mt Wellington	N/A	L1	192	Unknown	0	No	No	Yes
1/05/2019	15141921	10317531	14 Carrickdawson Dr	Flat Bush	N/A	L1	227	Rubbish	0	No	No	Yes
1/05/2019	15142834	6022810	130 Gills Rd	Highland Park	N/A	L1	6	Fat	0	No	No	Yes
1/05/2019	15143367	6210211	37 Darren Cres	Highland Park	-	L2	81	Fat	0	No	No	Yes
2/05/2019	15145321	7031539	18 Nogat Ave	Papatoetoe	N/A	L1	88	Fat	0	No	No	Yes
2/05/2019	15145726	6213172	735 Chapel Rd	Howick	N/A	L1	298	Roots	0	No	No	Yes
2/05/2019	15146803	6031131	1 Accent Dr	East Tamaki	N/A	L1	170	Unknown	0	No	No	Yes
3/05/2019	15150173	6213722	2/210 Moore St	Howick	N/A	L1	166	Fat	0	No	No	Yes
4/05/2019	15151888	50050867	40 Water St	Otahuhu	N/A	L1	106	Fat	0	No	No	Yes
4/05/2019	15152223	6211670	1/10 Penruddocke Rd	Highland Park	N/A	L1	270	Fat	0	No	No	Yes
5/05/2019	15153129	6219869	120 Preston Rd	Otara	N/A	L1	162	3rd party damage	0	No	No	Yes
5/05/2019	15153501	9008722	385A Ellerslie-Panmure Highway	Mt Wellington	N/A	L1	72	Fat	0	No	No	Yes
6/05/2019	15155424	6488175	25 Erne Cres	East Tamaki	N/A	L1	123	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
7/05/2019	15161764	6234618	28 Windoma Cir	Papatoetoe	N/A	L1	967	Rubbish	0	No	No	Yes
8/05/2019	15163615	6234618	54 Awatere St	Otara	N/A	L1	172	Rubbish	0	No	No	Yes
9/05/2019	15166399	51188339	187 Flat Bush School Rd	Flat Bush	N/A	L1	285	Unknown	0	No	No	Yes
9/05/2019	15166877	6213722	1/210 Moore St	Howick	-	L2	1236	Fat	0	No	No	Yes
9/05/2019	15168392	6207566	2/31 Ben Nevis Pl	Northpark	N/A	L1	71	Unknown	0	No	No	Yes
9/05/2019	15168577	6234618	28 Windoma Cir	Papatoetoe	N/A	L1	205	Fat	0	No	No	Yes
10/05/2019	15171505	6223341	7 Graeme Ave	Mangere East	N/A	L1	232	Rags	5	No	No	Yes
11/05/2019	15174023	6027671	10 Hagen Cl	Howick	N/A	L1	180	Fat	0	No	No	Yes
12/05/2019	15174882	6234601	1 Boundary Rd	Otara	N/A	L1	509	Roots	21.5	No	No	Yes
12/05/2019	15175134	6211319	15 Hedge Row	Sunnyhills	N/A	L1	206	Fat	21.5	No	No	Yes
13/05/2019	15176591	50194609	191 Preston Rd	Otara	N/A	L1	293	Fat	1	No	No	Yes
14/05/2019	15178945	8997721	282 Panama Rd	Mt Wellington	N/A	L1	426	Unknown	0	No	No	Yes
14/05/2019	15179547	6210277	63A Howe St	Howick	N/A	L1	345	Fat	0	No	No	Yes
14/05/2019	15180056	6213722	2/210 Moore St	Howick	N/A	L1	85	Unknown	0	No	No	Yes
14/05/2019	15180295	6211138	12 Fiesta Dr	Highland Park	N/A	L1	486	Fat	0	No	No	Yes
14/05/2019	15181530	6215244	30 Beechdale Cres	Pakuranga Heights	N/A	L1	1211	Surcharging	0	No	No	Yes
14/05/2019	15181550	6221540	64 Fisher Cres	Otara	N/A	L1	303	Fat	0	No	No	Yes
15/05/2019	15183128	6209971	161 Gills Rd	Highland Park	N/A	L1	493	3rd party damage	4	No	No	Yes
15/05/2019	15183626	9008659	26 Longford St	Mt Wellington	N/A	L1	163	Unknown	4	No	No	Yes
15/05/2019	15184798	6220139	52 Huia Rd	Papatoetoe	N/A	L1	162	Fat	4	No	No	Yes
16/05/2019	15187362	6221120	103 Preston Rd	Otara	-	L2	262	Fat	3	No	No	Yes
16/05/2019	15187431	6223205	12 Troon Pl	Papatoetoe	N/A	L1	13	Fat	3	No	No	Yes
16/05/2019	15187543	8997051	2/42 Hokonui Rd	Otahuhu	N/A	L1	105	Roots	3	No	No	Yes
17/05/2019	15191936	6278474	60 Woolfield Rd	Papatoetoe	N/A	L1	105	Surcharging	1	No	No	Yes
22/05/2019	15203875	6042819	11 Derrimore Heights	Clover Park	N/A	L1	171	Roots	0	No	No	Yes
22/05/2019	15204032	6214863	109 Reeves Rd	Pakuranga Heights	N/A	L1	229	Fat	0	No	No	Yes
24/05/2019	15209555	8997432	Rt/12-16 High St	Otahuhu	N/A	L1	223	Unknown	0	No	No	Yes
24/05/2019	15210700	6973752	115 Wayne Francis Dr	East Tamaki	N/A	L1	219	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/05/2019	15211262	6223090	30 Earlsworth Rd	Mangere East	N/A	L1	149	Fat	0	No	No	Yes
26/05/2019	15212260	9008946	247B Penrose Rd	Mt Wellington	N/A	L1	195	Fat	0	No	No	Yes
26/05/2019	15212363	6207357	9 Solana Crt	Botany Downs	N/A	L1	58	Fat	0	No	No	Yes
27/05/2019	15213222	7019002	80 Michael Jones Dr	Flat Bush	N/A	L1	156	Roots	4.5	No	No	Yes
27/05/2019	15215139	6220367	34 Kautami Ave	Papatoetoe	N/A	L1	19	Rubbish	4.5	No	No	Yes
27/05/2019	15215166	6220464	12 Gaye Cres	Otara	N/A	L1	289	Fat	4.5	No	No	Yes
27/05/2019	15215194	10317531	187 Flat Bush School Rd	Flat Bush	N/A	L1	196	Foreign Object	4.5	No	No	Yes
27/05/2019	15215498	8996977	10 Walters Rd	Mt Wellington	N/A	L1	47	Fat	4.5	No	No	Yes
27/05/2019	15215742	6214860	109 Reeves Rd	Pakuranga Heights	N/A	L1	55	Fat	4.5	No	No	Yes
28/05/2019	15216842	50060681	2 Springside Dr	Flat Bush	N/A	L1	179	Fat	10	No	No	Yes
28/05/2019	15218815	8996977	10 Walters Rd	Mt Wellington	N/A	L1	165	Unknown	10	No	No	Yes
28/05/2019	15219118	6211319	15 Hedge Row	Sunnyhills	N/A	L1	182	Fat	10	No	No	Yes
29/05/2019	15221706	6029021	9 Alton Tce	Pakuranga Heights	-	L2	164	Fat	1	No	No	Yes
30/05/2019	15226270	8996977	10 Walters Rd	Mt Wellington	N/A	L1	133	Fat	0.5	No	No	Yes
1/06/2019	15229748	6215072	24 Te Anau Pl	Pakuranga Heights	N/A	L1	137	Foreign Object	3.5	No	No	Yes
2/06/2019	15230513	6040101	5 Sidey Ave	Flat Bush	N/A	L1	88	Broken pipe	4	No	No	Yes
2/06/2019	15230795	6045156	28 Windoma Cir	Papatoetoe	N/A	L1	135	Fat	4	No	No	Yes
3/06/2019	15231340	6207424	37 Tyrian Cl	Half Moon Bay	N/A	L1	72	Fat	0	No	No	Yes
4/06/2019	15232698	51202085	60 Highbrook Dr	East Tamaki	N/A	L1	196	Fat	0	No	No	Yes
4/06/2019	15232929	6040089	29 Sidey Ave	Flat Bush	N/A	L1	180	Fat	0	No	No	Yes
4/06/2019	15233080	6972423	270 Bucklands Beach Rd	Bucklands Beach	N/A	L1	72	Fat	0	No	No	Yes
4/06/2019	15233751	6219397	19 Edward Ave	Otara	N/A	L1	122	Fat	0	No	No	Yes
4/06/2019	15234381	50037282	52 Huia Rd	Papatoetoe	N/A	L1	825	Fat	0	No	No	Yes
5/06/2019	15234682	9008711	4/48 Banks Rd	Mt Wellington	N/A	L1	95	Rubbish	31	No	No	Yes
6/06/2019	15238678	6035819	17 Calvert Ave	Mangere East	N/A	L1	235	Silts	8	No	No	Yes
6/06/2019	15240842	6209127	23 Edendale Rd	Northpark	N/A	L1	64	Surcharging	8	No	No	Yes
7/06/2019	15243632	7039604	19 Kenley Hts	East Tamaki	N/A	L1	288	Roots	19	No	No	Yes
8/06/2019	15245950	6027494	109 Macleans Rd	Bucklands Beach	N/A	L1	287	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
10/06/2019	15247988	6280274	1/16 Fisher Cres	Otara	N/A	L1	38	Fat	0	No	No	Yes
10/06/2019	15248851	50475586	60 Highbrook Dr	East Tamaki	N/A	L1	97	Fat	0	No	No	Yes
11/06/2019	15253172	8997735	36 Jolson Rd	Mt Wellington	N/A	L1	157	Foreign Object	0	No	No	Yes
13/06/2019	15258597	6208703	18C Penruddocke Rd	Highland Park	N/A	L1	59	Unknown	0.5	No	No	Yes
13/06/2019	15258662	6208936	4R Lexington Dr	Botany Downs	N/A	L1	168	Roots	0.5	No	No	Yes
13/06/2019	15258671	50475611	60 Highbrook Dr	East Tamaki	N/A	L1	15	Fat	0.5	No	No	Yes
13/06/2019	15259360	6221553	3/2 Wyona Pl	Otara	N/A	L1	274	Fat	0.5	No	No	Yes
14/06/2019	15261905	8998326	20 Weka St	Otahuhu	-	L3	154	Rubbish	0	Yes	Yes	Yes
16/06/2019	15265152	8997276	54A Fairburn Rd	Otahuhu	N/A	L1	838	Roots	3	No	No	Yes
17/06/2019	15265915	9008041	3 Donnor Pl	Mt Wellington	N/A	L1	109	Roots	3	No	No	Yes
17/06/2019	15266581	8997735	36 Jolson Rd	Mt Wellington	N/A	L1	117	Rags	3	No	No	Yes
17/06/2019	15266998	6207048	7 Sheffield Pl	Botany Downs	N/A	L1	59	Surcharging	3	No	No	Yes
18/06/2019	15268604	6022615	12 Janome Pl	Bucklands Beach	N/A	L1	729	Fat	0	No	No	Yes
18/06/2019	15270892	50251980	64 Rosella Rd	Mangere East	N/A	L1	134	Fat	0	No	No	Yes
18/06/2019	15271599	6208123	1/23 Britannia Pl	Half Moon Bay	N/A	L1	115	Roots	0	No	No	Yes
19/06/2019	15272210	6210994	3/232 Bucklands Beach Rd	Bucklands Beach	N/A	L1	386	Fat	0.5	No	No	Yes
19/06/2019	15272558	6220056	17 Clutha Cres	Otara	N/A	L1	301	Foreign Object	0.5	No	No	Yes
19/06/2019	15273651	9010193	1/300 Panama Rd	Mt Wellington	N/A	L1	68	Unknown	0.5	No	No	Yes
19/06/2019	15274314	6219040	11 Herald Pl	Otara	N/A	L1	234	Fat	0.5	No	No	Yes
20/06/2019	15275569	6219053	3 Herald Pl	Otara	N/A	L1	254	Fat	3.5	No	No	Yes
20/06/2019	15276222	6219397	19 Edward Ave	Otara	N/A	L1	103	Fat	3.5	No	No	Yes
20/06/2019	15276810	9008161	23 Lynton Rd	Mt Wellington	N/A	L1	137	Roots	3.5	No	No	Yes
20/06/2019	15276880	6215656	232 Pakuranga Rd	Pakuranga	N/A	L1	212	Fat	3.5	No	No	Yes
21/06/2019	15280792	6464752	4 Stellamaris Way	Northpark	N/A	L1	188	Roots	4	No	No	Yes
21/06/2019	15280889	.	293 Bairds Rd	Otara	N/A	L1	82	Fat	4	No	No	Yes
23/06/2019	15283818	8997186	35 Ngaio St	Otahuhu	N/A	L1	225	Fat	4	No	No	Yes
24/06/2019	15284754	8997736	36 Jolson Rd	Mt Wellington	N/A	L1	93	Roots	0	No	No	Yes
24/06/2019	15285840	6231448	1/4 Sentosa Pl	Clover Park	N/A	L1	194	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/06/2019	15286055	6219238	5 Bentley Rd	Otara	N/A	L1	71	Rubbish	0	No	No	Yes
24/06/2019	15286519	6214419	175 Gossamer Dr	Pakuranga Heights	-	L2	252	Rags	0	No	No	Yes
24/06/2019	15286942	6215092	176 Ti Rakau Dr	Pakuranga	N/A	L1	54	Rags	0	No	No	Yes
25/06/2019	15289082	6221626	35 Capstick Rd	Otara	N/A	L1	165	Unknown	0	No	No	Yes
27/06/2019	15297575	6207534	7 The Mews	Northpark	N/A	L1	273	Fat	2.5	No	No	Yes
27/06/2019	15298121	6220379	229 Bairds Rd	Otara	N/A	L1	675	Fat	2.5	No	No	Yes
30/06/2019	15303265	6208502	12 Kereru Pl	Highland Park	N/A	L1	119	Roots	0	No	No	Yes

Table 27: Overflows in the Cockle Bay Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
15/07/2018	14435460	6203663	55 Trelawn Pl	Cockle Bay	N/A	L1	70	Surcharging	84	No	No	Yes
15/07/2018	14435559	6202594	27 Selwyn Rd	Howick	N/A	L1	316	Surcharging	84	No	No	Yes
15/07/2018	14435696	6204619	43A Advane Rd	Cockle Bay	N/A	L1	22	Surcharging	84	No	No	Yes
15/07/2018	14435703	6206347	204 Mellons Bay Rd	Mellons Bay	N/A	L1	13	Surcharging	84	No	No	Yes
15/07/2018	14435910	6210113	181R Mellons Bay Rd	Mellons Bay	-	L2	37	Surcharging	84	No	No	Yes
16/07/2018	14437390	6019741	47R Shelly Beach Pde	Cockle Bay	N/A	L1	412	Surcharging	0	No	No	Yes
24/07/2018	14459108	6705962	39A Pohutukawa Ave	Shelly Park	N/A	L1	169	Roots	0	No	No	Yes
1/08/2018	14481540	6203240	54B Uxbridge Rd	Howick	1	L2	342	Roots	2.5	No	No	Yes
29/08/2018	14548521	50254356	1/99 Uxbridge Rd	Howick	N/A	L1	72	Surcharging	48	No	No	Yes
29/08/2018	14548631	6202594	27 Selwyn Rd	Howick	N/A	L1	67	Surcharging	48	No	No	Yes
29/08/2018	14549310	6968870	55 Trelawn Pl	Cockle Bay	N/A	L1	42	Surcharging	48	No	No	Yes
29/08/2018	14549398	6204514	8 Shelly Beach Pde	Cockle Bay	N/A	L1	207	Surcharging	48	No	No	Yes
29/08/2018	14549646	6022128	204 Mellons Bay Rd	Mellons Bay	N/A	L1	85	Surcharging	48	No	No	Yes
30/08/2018	14551678	7109023	33 Luplau Cres	Howick	N/A	L1	88	Surcharging	0	No	No	Yes
1/09/2018	14556870	6202698	20 John Gill Rd	Shelly Park	N/A	L1	207	Surcharging	0	No	No	Yes
1/09/2018	14557220	6207914	28 Charles Dickens Dr	Mellons Bay	N/A	L1	260	Roots	0	No	No	Yes
4/09/2018	14562959	6206213	1/15 The Esplanade	Eastern Beach	N/A	L1	162	Unknown	0	No	No	Yes
4/09/2018	14564030	6019600	8 Montgomery Cres	Cockle Bay	N/A	L1	250	Rubbish	0	No	No	Yes
8/09/2018	14573542	6206333	5A Nickleby Pl	Mellons Bay	N/A	L1	178	Unknown	0	No	No	Yes
8/10/2018	14646555	6205331	71 Evelyn Rd	Cockle Bay	3	L3	1313	Broken pipe	0	Yes	Yes	Yes
10/10/2018	14656033	6205850	20 The Esplanade	Eastern Beach	N/A	L1	776	Rubbish	0	No	No	Yes
12/10/2018	14660793	6210109	259 Bleakhouse Rd	Mellons Bay	N/A	L1	136	Fat	6.5	No	No	Yes
29/10/2018	14703186	6206493	47 Haseler Cres	Mellons Bay	N/A	L1	211	Unknown	13.5	No	No	Yes
9/11/2018	14735093	6019640	64 Evelyn Rd	Cockle Bay	N/A	L1	233	Roots	2.5	No	No	Yes
9/11/2018	14737053	6205845	3/116 Bucklands Beach Rd	Bucklands Beach	N/A	L1	237	Fat	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
17/11/2018	14755697	6210535	38 Castleton Dr	Mellons Bay	N/A	L1	217	Roots	0	No	No	Yes
20/11/2018	14763289	6203373	3/44 Sale St	Howick	N/A	L1	1238	Broken pipe	8.5	No	No	Yes
3/12/2018	14794856	6203373	3/44 Sale St	Howick	N/A	L1	120	Unknown	17.5	No	No	Yes
4/12/2018	14796424	6019403	7 Holbrook Pl	Howick	N/A	L1	376	Fat	7.5	No	No	Yes
7/12/2018	14804515	6202605	3 Holbrook Pl	Howick	-	L2	244	Foreign Object	0	No	No	Yes
12/12/2018	14818322	6203724	19 Reydon Pl	Cockle Bay	N/A	L1	423	Roots	0	No	No	Yes
17/12/2018	14826870	6203724	13A Trelawn Pl	Cockle Bay	N/A	L1	29	Roots	0	No	No	Yes
5/01/2019	14858943	6021648	The Esplanade	Eastern Beach	N/A	L1	183	Rags	0	No	No	Yes
11/01/2019	14872691	6212123	46 Charles Dickens Dr	Mellons Bay	N/A	L1	572	Roots	0	No	No	Yes
21/01/2019	14895942	6251948	1/184 Bucklands Beach Rd	Bucklands Beach	N/A	L1	60	Unknown	0	No	No	Yes
22/01/2019	14898041	6205922	1/184 Bucklands Beach Rd	Bucklands Beach	N/A	L1	105	Roots	0	No	No	Yes
13/02/2019	14951421	6204663	9 Callender Pl	Shelly Park	N/A	L1	1141	Roots	0	No	No	Yes
14/02/2019	14953936	6022344	17B Colmar Rd	Mellons Bay	N/A	L1	1104	Broken pipe	0	No	No	Yes
8/03/2019	15011328	6210489	17B Colmar Rd	Mellons Bay	N/A	L1	900	Broken pipe	16	No	No	Yes
1/05/2019	15144020	6210107	261A Bleakhouse Rd	Mellons Bay	N/A	L1	1090	Roots	0	No	No	Yes
7/05/2019	15161556	6204626	54 John Gill Rd	Shelly Park	N/A	L1	117	Rags	0	No	No	Yes
21/05/2019	15199326	6203415	14 Sale St	Howick	N/A	L1	443	3rd party damage	0	No	No	Yes
3/06/2019	15231029	6202726	79 Alexander St	Cockle Bay	N/A	L1	183	Fat	0	No	No	Yes
16/06/2019	15264882	6205806	101 Oliver Rd	Eastern Beach	N/A	L1	8	Roots	3	No	No	Yes
18/06/2019	15269194	6204141	27 Glenfern Rd	Howick	N/A	L1	142	Unknown	0	No	No	Yes

Table 28: Overflows in the Puhinui Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403309	6235928	2/21 Elizabeth Ave	Papatoetoe	N/A	L1	84	Rubbish	6	No	No	Yes
3/07/2018	14409261	50092425	4 Brooks Way	Papatoetoe	N/A	L1	954	Broken pipe	0.5	No	No	Yes
3/07/2018	14409325	7028684	104 Buckland Rd	Mangere East	N/A	L1	97	Rubbish	0.5	No	No	Yes
5/07/2018	14415156	6235928	2/21 Elizabeth Ave	Papatoetoe	N/A	L1	137	Rubbish	0	No	No	Yes
7/07/2018	14419091	6202183	70 Wyllie Rd	Papatoetoe	N/A	L1	1213	Rags	0	No	No	Yes
7/07/2018	14419181	50092425	4 Brooks Way	Papatoetoe	N/A	L1	797	Broken pipe	0	No	No	Yes
8/07/2018	14419575	6239226	3B Burrell Ave	Manukau Central	N/A	L1	83	Fat	3.5	No	No	Yes
13/07/2018	14434139	50092425	4 Brooks Way	Papatoetoe	N/A	L1	208	Broken pipe	0.5	No	No	Yes
15/07/2018	14435421	6234317	50 Ramsey St	Papatoetoe	N/A	L1	148	Surcharging	84	No	No	Yes
15/07/2018	14435459	6233380	18 Rukumoana Pl	Manurewa	N/A	L1	650	Surcharging	84	No	No	Yes
15/07/2018	14435784	6237043	30 Janese Pl	Clendon Park	N/A	L1	180	Surcharging	84	No	No	Yes
15/07/2018	14436092	6228999	49 Lawrence Cres	Hill Park	N/A	L1	820	Surcharging	84	No	No	Yes
16/07/2018	14437657	6234564	16 Inverell Ave	Manukau Central	N/A	L1	406	Fat	0	No	No	Yes
17/07/2018	14440699	6231483	25 De Havilland Dr	Goodwood Heights	N/A	L1	253	Surcharging	0.5	No	No	Yes
19/07/2018	14446998	6238330	30 Janese Pl	Clendon Park	N/A	L1	304	Surcharging	1.5	No	No	Yes
23/07/2018	14455340	6234392	29 Seddon Ave	Papatoetoe	N/A	L1	271	Unknown	2.5	No	No	Yes
29/07/2018	14471067	6234110	48 Moncrieff Ave	Manurewa	N/A	L1	317	Fat	2	No	No	Yes
1/08/2018	14480797	6235294	9 Earl Richardson Ave	Manukau Central	N/A	L1	191	Fat	2.5	No	No	Yes
1/08/2018	14481711	6224700	10 Lendenfeld Dr	Papatoetoe	N/A	L1	122	Fat	2.5	No	No	Yes
1/08/2018	14481735	6236974	2/15 Maplesden Dr	Clendon Park	N/A	L1	148	Rags	2.5	No	No	Yes
3/08/2018	14488277	6228731	2 Caley Crt	Goodwood Heights	N/A	L1	42	Unknown	5	No	No	Yes
4/08/2018	14489284	6229940	2 Brouder Pl	Hill Park	N/A	L1	99	Fat	0.5	No	No	Yes
4/08/2018	14489428	6228302	2 Brouder Pl	Hill Park	N/A	L1	4	Rubbish	0.5	No	No	Yes
4/08/2018	14489601	6233375	3 Bundena Pl	Manurewa	N/A	L1	230	Fat	0.5	No	No	Yes
5/08/2018	14490156	6485157	17 Freyberg Ave	Papatoetoe	N/A	L1	18	Foreign Object	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
6/08/2018	14490888	6222635	1/10 Phoenix Pl	Papatoetoe	-	L2	205	Fat	0.5	No	No	Yes
6/08/2018	14493475	6239218	45 Wyllie Rd	Papatoetoe	N/A	L1	142	Fat	0.5	No	No	Yes
7/08/2018	14496860	6234938	17 Freyberg Ave	Papatoetoe	N/A	L1	1020	Fat	0	No	No	Yes
8/08/2018	14498353	6235019	11 Clendon Ave	Papatoetoe	N/A	L1	82	Fat	8	No	No	Yes
8/08/2018	14498910	6234415	3/35 Clendon Ave	Papatoetoe	N/A	L1	213	Unknown	8	No	No	Yes
8/08/2018	14499754	7049238	19 Bartells Dr	Manukau Central	N/A	L1	201	3rd party damage	8	No	No	Yes
9/08/2018	14502538	6235979	116 Puhinui Rd	Papatoetoe	N/A	L1	1405	Rags	0.5	No	No	Yes
18/08/2018	14523649	6304877	64 Puhinui Rd	Papatoetoe	N/A	L1	90	3rd party damage	1.5	No	No	Yes
20/08/2018	14525621	6228648	4 Banksia Pl	Goodwood Heights	N/A	L1	425	Fat	1	No	No	Yes
25/08/2018	14540150	6307408	1/140A Browns Rd	Manurewa	N/A	L1	91	Fat	3	No	No	Yes
3/09/2018	14559236	6222534	113 Raglan St	Mangere East	N/A	L1	170	Fat	11	No	No	Yes
4/09/2018	14562599	50252156	10B Cramond Dr	Mangere East	N/A	L1	318	Fat	0.5	No	No	Yes
4/09/2018	14563646	6234905	10 Mepal Pl	Manukau Central	N/A	L1	379	Roots	0.5	No	No	Yes
8/09/2018	14573864	6232941	4 Glennis Pl	Manurewa	N/A	L1	71	Foreign Object	0	No	No	Yes
10/09/2018	14577428	6238729	451 Weymouth Rd	Weymouth	N/A	L1	88	Broken pipe	0.5	No	No	Yes
11/09/2018	14581419	6703808	50 Malaspina Pl	Papatoetoe	N/A	L1	1315	Fat	0	No	No	Yes
11/09/2018	14582220	6224680	10 Malaspina Pl	Papatoetoe	N/A	L1	1238	Fat	0	No	No	Yes
14/09/2018	14589139	6232426	60 Kerrs Rd	Manukau Central	N/A	L1	222	Fat	0	No	No	Yes
16/09/2018	14592579	6236998	9 Hatherley Pl	Clendon Park	N/A	L1	177	Fat	0	No	No	Yes
20/09/2018	14605725	1560918	2/143 Wyllie Rd	Papatoetoe	N/A	L1	144	Rags	0	No	No	Yes
24/09/2018	14612045	6466110	51 Pitt Ave	Clendon Park	-	L2	231	Foreign Object	4	No	No	Yes
27/09/2018	14623099	6233378	3/26 Burundi Ave	Manurewa	N/A	L1	1340	Fat	0.5	No	No	Yes
28/09/2018	14624479	1580148	71 Manston Rd	Mangere	N/A	L1	130	Unknown	0.5	No	No	Yes
28/09/2018	14625434	6222654	11 Phoenix Pl	Papatoetoe	N/A	L1	27	Fat	0.5	No	No	Yes
1/10/2018	14629413	6234905	10 Mepal Pl	Manukau Central	N/A	L1	116	Roots	0	No	No	Yes
2/10/2018	14633533	6223412	2/100 Portage Rd	Papatoetoe	N/A	L1	180	Roots	6	No	No	Yes
8/10/2018	14645817	6237615	43 Etherton Dr	Clendon Park	N/A	L1	117	Roots	0	No	No	Yes
9/10/2018	14651135	6489934	71 Manston Rd	Mangere	N/A	L1	136	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
11/10/2018	14657363	6228160	5 Flamingo Crt	Goodwood Heights	N/A	L1	243	Unknown	11	No	No	Yes
13/10/2018	14663030	6228169	18 Everglade Dr	Goodwood Heights	N/A	L1	134	Fat	1.5	No	No	Yes
17/10/2018	14675077	6231636	22 Banyan Dr	Goodwood Heights	N/A	L1	1057	Rubbish	2.5	No	No	Yes
18/10/2018	14677691	6234120	1 White Rd	Manurewa	N/A	L1	1400	Fat	0.5	No	No	Yes
18/10/2018	14678527	6043183	216 Roscommon Rd	Manurewa	N/A	L1	1106	Fat	0.5	No	No	Yes
19/10/2018	14679727	6222647	18 Geoffrey Pl	Mangere East	N/A	L1	429	Broken pipe	0	No	No	Yes
20/10/2018	14682691	6236026	42 Clendon Ave	Papatoetoe	N/A	L1	279	Fat	0	No	No	Yes
20/10/2018	14682728	6232078	4 Garth Pl	Manurewa	1	L2	171	Fat	0	No	No	Yes
22/10/2018	14683953	6485609	43 Aronia Way	Goodwood Heights	N/A	L1	290	Rubbish	0	No	No	Yes
23/10/2018	14685918	6234188	5 Landscape Rd	Papatoetoe	N/A	L1	82	Fat	0	No	No	Yes
24/10/2018	14691630	6235216	3 Iona Pl	Manukau Central	N/A	L1	140	Fat	0	No	No	Yes
27/10/2018	14699668	6201701	68W Alabaster Dr	Papatoetoe	N/A	L1	202	Fat	11.5	No	No	Yes
27/10/2018	14700112	6237861	25 Gibbons Rd	Weymouth	N/A	L1	127	Fat	11.5	No	No	Yes
28/10/2018	14700547	6201701	58 Alabaster Dr	Papatoetoe	N/A	L1	1330	Foreign Object	2	No	No	Yes
30/10/2018	14705549	6201945	190 Hillside Rd	Papatoetoe	N/A	L1	483	Fat	5	No	No	Yes
30/10/2018	14708149	6202368	21 Olive Cres	Papatoetoe	N/A	L1	97	Fat	5	No	No	Yes
1/11/2018	14713176	6202382	12 Lismore Pl	Papatoetoe	N/A	L1	117	Fat	5.5	No	No	Yes
2/11/2018	14718846	6202368	21 Olive Cres	Papatoetoe	N/A	L1	155	Fat	0	No	No	Yes
8/11/2018	14731939	6223528	38 Skipton St	Mangere East	N/A	L1	148	Rubbish	2.5	No	No	Yes
9/11/2018	14735067	6235277	11 Topaz Pl	Manukau Central	N/A	L1	243	Foreign Object	4	No	No	Yes
9/11/2018	14736997	6508230	1/18A Kenderdine Rd	Papatoetoe	N/A	L1	96	Fat	4	No	No	Yes
11/11/2018	14738452	6044077	18 Pallant St	Manurewa	N/A	L1	32	Roots	12.5	No	No	Yes
17/11/2018	14755624	6017920	26 Caringbah Dr	Papatoetoe	N/A	L1	576	3rd party damage	0	No	No	Yes
19/11/2018	14757129	6235244	124 Wiri Station Rd	Manukau Central	N/A	L1	376	Fat	9.5	No	No	Yes
19/11/2018	14759359	6234272	20 Grande Vue Rd	Papatoetoe	N/A	L1	182	Fat	9.5	No	No	Yes
20/11/2018	14762839	6229009	36 Rothery Rd	Hill Park	N/A	L1	190	Roots	13	No	No	Yes
22/11/2018	14769589	6047302	46 Maplesden Dr	Clendon Park	N/A	L1	107	Fat	4	No	No	Yes
22/11/2018	14769632	6201692	38 Lendenfeld Dr	Papatoetoe	N/A	L1	1139	Rags	4	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/11/2018	14771422	6046021	31-33 Manukau Station Rd	Manukau Central	N/A	L1	304	Fat	0	No	No	Yes
25/11/2018	14773883	6231491	2/41 Everglade Dr	Goodwood Heights	N/A	L1	1020	Fat	19	No	No	Yes
1/12/2018	14790392	7018191	103 Roscommon Rd	Manurewa	N/A	L1	158	Rubbish	2	No	No	Yes
1/12/2018	14790596	6231933	10 Costar Pl	Manukau Central	N/A	L1	274	Fat	2	No	No	Yes
2/12/2018	14791418	6044122	54 Moncrieff Ave	Manurewa	N/A	L1	241	Unknown	9	No	No	Yes
2/12/2018	14791765	6040895	1/1 Eugenia Rise	Totara Heights	N/A	L1	192	Fat	9	No	No	Yes
10/12/2018	14810570	6044752	82 Burundi Ave	Manurewa	N/A	L1	1399	Unknown	0	No	No	Yes
12/12/2018	14817257	6047194	9 Bill Phillip Pl	Clendon Park	N/A	L1	270	Unknown	0	No	No	Yes
21/12/2018	14839510	6042936	1 Aronia Way	Goodwood Heights	N/A	L1	106	Unknown	4	No	No	Yes
22/12/2018	14841227	6231129	30 Norman Cl	The Gardens	N/A	L1	1301	Foreign Object	2	No	No	Yes
23/12/2018	14841706	6040397	18 Everglade Dr	Goodwood Heights	N/A	L1	283	Foreign Object	22	No	No	Yes
25/12/2018	14844555	6044916	2/140A Browns Rd	Manurewa	N/A	L1	120	Rubbish	22.5	No	No	Yes
25/12/2018	14844592	6018446	1 Heathberry Cl	Papatoetoe	N/A	L1	106	Unknown	22.5	No	No	Yes
27/12/2018	14846253	6228660	1R Ransom Smyth Dr	Goodwood Heights	N/A	L1	351	Fat	0	No	No	Yes
6/01/2019	14859423	6202366	10 Ferndown Ave	Papatoetoe	N/A	L1	1407	Fat	0	No	No	Yes
6/01/2019	14859786	6228964	56 Lawrence Cres	Hill Park	N/A	L1	896	Roots	0	No	No	Yes
13/01/2019	14875686	6017985	42 Chantelle Pl	Papatoetoe	N/A	L1	197	Unknown	0	No	No	Yes
14/01/2019	14877752	6046279	124 Wiri Station Rd	Manukau Central	N/A	L1	173	Unknown	19	No	No	Yes
22/01/2019	14897091	6223392	43 Cheviot St	Mangere East	N/A	L1	122	Fat	0	No	No	Yes
24/01/2019	14903537	6235120	738 Great South Rd	Manukau Central	N/A	L1	151	Fat	1.5	No	No	Yes
25/01/2019	14907617	6236986	1/3 Barneys Farm Rd	Clendon Park	N/A	L1	108	Unknown	0	No	No	Yes
28/01/2019	14910852	6235120	738 Great South Rd	Manukau Central	N/A	L1	87	Fat	0	No	No	Yes
29/01/2019	14911975	6234875	8 Norman Spencer Dr	Manukau Central	N/A	L1	83	Fat	0	No	No	Yes
6/02/2019	14932374	7108673	144 Wyllie Rd	Papatoetoe	N/A	L1	287	Rags	0	No	No	Yes
9/02/2019	14939450	6234532	19B Trevor Hosken Dr	Manukau Central	N/A	L1	149	Fat	0	No	No	Yes
9/02/2019	14939620	6046274	11 Tourmalin Pl	Manukau Central	-	L2	111	Fat	0	No	No	Yes
10/02/2019	14941176	6201572	19 Gifford Rd	Papatoetoe	-	L2	1194	Unknown	0	No	No	Yes
22/02/2019	14974246	6234188	6/8 Landscape Rd	Papatoetoe	N/A	L1	113	Fat	13	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/02/2019	14976745	1577456	51 Skipton St	Mangere East	N/A	L1	198	Fat	2.5	No	No	Yes
27/02/2019	14986677	6201833	7 Brunswick Rise	Mangere	N/A	L1	95	Rags	0	No	No	Yes
1/03/2019	14992679	6235528	4/47 Milan Rd	Papatoetoe	N/A	L1	1055	Broken pipe	0	No	No	Yes
4/03/2019	14997554	6234132	126 Browns Rd	Manurewa	N/A	L1	205	Fat	0	No	No	Yes
4/03/2019	14997906	50234556	2/140A Browns Rd	Manurewa	N/A	L1	321	Fat	0	No	No	Yes
4/03/2019	14997957	6224778	8 Malaspina Pl	Papatoetoe	N/A	L1	160	Fat	0	No	No	Yes
6/03/2019	15003683	6036958	53 Tidal Rd	Mangere	N/A	L1	84	Unknown	0	No	No	Yes
10/03/2019	15013478	6237486	1/11 Blackgate Pl	Clendon Park	N/A	L1	234	Fat	0	No	No	Yes
13/03/2019	15020788	6305992	57 Clendon Ave	Papatoetoe	N/A	L1	1416	Broken pipe	0	No	No	Yes
14/03/2019	15025257	6043188	12 Langley Rd	Manurewa	N/A	L1	1396	Rubbish	0	No	No	Yes
17/03/2019	15031269	6235830	9 Gladding Pl	Manukau Central	N/A	L1	101	Unknown	0	No	No	Yes
17/03/2019	15031288	6985034	12 Staten Pl	Mangere	N/A	L1	129	Unknown	0	No	No	Yes
17/03/2019	15031508	6224777	13 Malaspina Pl	Papatoetoe	N/A	L1	159	Fat	0	No	No	Yes
18/03/2019	15032413	6499647	4 Cinnamon Rd	Mangere	N/A	L1	158	Fat	7.5	No	No	Yes
27/03/2019	15058826	50234556	2/140A Browns Rd	Manurewa	N/A	L1	983	Unknown	0	No	No	Yes
30/03/2019	15065673	6234279	11A York Rd	Papatoetoe	N/A	L1	81	Fat	0	No	No	Yes
31/03/2019	15066328	6985033	12 Staten Pl	Mangere	N/A	L1	237	3rd party damage	0	No	No	Yes
31/03/2019	15066387	6201742	44 Beaufort Pl	Papatoetoe	N/A	L1	303	Rags	0	No	No	Yes
31/03/2019	15066747	6284941	2/100 Portage Rd	Papatoetoe	N/A	L1	1110	Roots	0	No	No	Yes
2/04/2019	15071957	6232482	210 Roscommon Rd	Manurewa	N/A	L1	304	Rubbish	0	No	No	Yes
2/04/2019	15073382	6237183	25 Gibbons Rd	Weymouth	N/A	L1	61	Broken pipe	0	No	No	Yes
9/04/2019	15092790	6201906	49R Pah Rd	Papatoetoe	N/A	L1	150	Fat	0	No	No	Yes
11/04/2019	15096762	50222309	2/147 Wyllie Rd	Papatoetoe	0.5	L2	350	Fat	10.5	No	No	Yes
13/04/2019	15103908	6223329	2/8 George St	Mangere East	N/A	L1	320	3rd party damage	0	No	No	Yes
13/04/2019	15104373	6043656	4 Garth Pl	Manurewa	N/A	L1	54	Fat	0	No	No	Yes
15/04/2019	15106505	6466064	131 Palmers Rd	Clendon Park	N/A	L1	264	Fat	0	No	No	Yes
17/04/2019	15114083	6201906	49R Pah Rd	Papatoetoe	N/A	L1	125	Fat	0	No	No	Yes
18/04/2019	15116801	6466064	2/210 Moore St	Howick	N/A	L1	75	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/04/2019	15120159	6202245	14 Gifford Rd	Papatoetoe	N/A	L1	186	Rags	0	No	No	Yes
20/04/2019	15120550	6223329	2/8 George St	Mangere East	N/A	L1	167	3rd party damage	0	No	No	Yes
29/04/2019	15136581	6201905	1/77 Hillside Rd	Papatoetoe	N/A	L1	1329	Unknown	8.5	No	No	Yes
3/05/2019	15149486	6506590	32 Margaret Rd	Papatoetoe	N/A	L1	121	Fat	0	No	No	Yes
4/05/2019	15152526	6232179	35 Finlayson Ave	Manurewa	N/A	L1	144	Fat	0	No	No	Yes
5/05/2019	15152939	6233165	120 Rowandale Ave	Manurewa	N/A	L1	248	Fat	0	No	No	Yes
5/05/2019	15153113	6233311	2 Finlayson Ave	Manurewa	N/A	L1	204	Fat	0	No	No	Yes
8/05/2019	15162503	6046289	124 Wiri Station Rd	Manukau Central	N/A	L1	334	Broken pipe	0	No	No	Yes
11/05/2019	15173448	6229940	2 Brouder Pl	Hill Park	N/A	L1	202	Fat	0	No	No	Yes
11/05/2019	15174110	51149280	190 Puhinui Rd	Papatoetoe	N/A	L1	228	3rd party damage	0	No	No	Yes
11/05/2019	15174262	6234375	227 Puhinui Rd	Papatoetoe	N/A	L1	257	Foreign Object	0	No	No	Yes
13/05/2019	15178286	6202368	21 Olive Cres	Papatoetoe	N/A	L1	303	Fat	1	No	No	Yes
13/05/2019	15178393	50234556	1/140A Browns Rd	Manurewa	N/A	L1	1132	Rags	1	No	No	Yes
13/05/2019	15178450	6499647	4 Cinnamon Rd	Mangere	N/A	L1	121	Rags	1	No	No	Yes
14/05/2019	15180111	6234551	5 Kerrs Rd	Manukau Central	N/A	L1	60	Roots	0	No	No	Yes
15/05/2019	15184101	6233311	2 Finlayson Ave	Manurewa	N/A	L1	152	Unknown	3.5	No	No	Yes
16/05/2019	15187640	6228989	45 Lynmore Dr	Hill Park	N/A	L1	119	Unknown	3.5	No	No	Yes
17/05/2019	15190721	6228921	2/55 Orams Rd	Manurewa	N/A	L1	69	Roots	4	No	No	Yes
25/05/2019	15211393	6235746	30 Puriri Rd	Manurewa	N/A	L1	245	Fat	0	No	No	Yes
26/05/2019	15212427	6304295	188 Puhinui Rd	Papatoetoe	N/A	L1	112	3rd party damage	0	No	No	Yes
30/05/2019	15225150	6043262	2 Adams Rd	Manurewa	N/A	L1	392	3rd party damage	0	No	No	Yes
2/06/2019	15230694	6045750	58 Grayson Ave	Papatoetoe	N/A	L1	1429	Unknown	3	No	No	Yes
3/06/2019	15231631	6223412	2/100 Portage Rd	Papatoetoe	-	L2	32	3rd party damage	0	No	No	Yes
4/06/2019	15234189	6201741	40 Beaufort Pl	Papatoetoe	N/A	L1	287	Fat	0	No	No	Yes
5/06/2019	15235980	6040840	15 Idesia Pl	Totara Heights	N/A	L1	308	Unknown	25.5	No	No	Yes
7/06/2019	15242495	6043843	1/12 Hanford Pl	Manurewa	N/A	L1	154	Fat	23.5	No	No	Yes
7/06/2019	15243841	6239255	1/8 Barcroft Pl	Clendon Park	N/A	L1	201	Unknown	23.5	No	No	Yes
8/06/2019	15245836	6235381	2/179 Puhinui Rd	Papatoetoe	N/A	L1	199	Fat	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/06/2019	15246349	6466061	2 Nicholas Gibbons Dr	Clendon Park	N/A	L1	122	Rags	0	No	No	Yes
10/06/2019	15249256	6045277	42 Puhinui Rd	Papatoetoe	N/A	L1	108	Roots	0	No	No	Yes
11/06/2019	15251757	6230440	36 Collie St	Hill Park	-	L2	253	Unknown	2.5	No	No	Yes
12/06/2019	15256179	6036891	99 Malaspina Pl	Papatoetoe	N/A	L1	283	Fat	0	No	No	Yes
13/06/2019	15259007	6234742	88 Fitzroy St	Papatoetoe	N/A	L1	350	Unknown	0	No	No	Yes
15/06/2019	15263872	6237860	25 Gibbons Rd	Weymouth	N/A	L1	266	Fat	2.5	No	No	Yes
16/06/2019	15264863	6232179	35 Finlayson Ave	Manurewa	N/A	L1	185	Fat	2.5	No	No	Yes
16/06/2019	15264900	6234742	1/88 Fitzroy St	Papatoetoe	N/A	L1	295	Fat	2.5	No	No	Yes
16/06/2019	15265014	6232860	382 Roscommon Rd	Manurewa	N/A	L1	50	Roots	2.5	No	No	Yes
17/06/2019	15266047	6233396	89 Burundi Ave	Manurewa	N/A	L1	247	Unknown	1.5	No	No	Yes
18/06/2019	15270288	6017906	42 Hillcrest Rd	Papatoetoe	N/A	L1	1181	Silts	0	No	No	Yes
22/06/2019	15282236	6036584	42 Allen St	Mangere East	N/A	L1	284	Unknown	0	No	No	Yes
24/06/2019	15287065	6233273	3 Garth Pl	Manurewa	N/A	L1	112	Fat	2	No	No	Yes
25/06/2019	15288470	6235281	2/131 Wiri Station Rd	Manukau Central	N/A	L1	167	Broken pipe	0	No	No	Yes
27/06/2019	15296256	6235007	72 Cavendish Dr	Manukau Central	N/A	L1	67	Unknown	0	No	No	Yes
27/06/2019	15297563	6239362	22 Milan Rd	Papatoetoe	N/A	L1	104	Fat	0	No	No	Yes
27/06/2019	15297630	6233273	3 Garth Pl	Manurewa	N/A	L1	246	Unknown	0	No	No	Yes
29/06/2019	15301720	6232805	21 Cottrell Pl	Manurewa	N/A	L1	122	Roots	0	No	No	Yes
30/06/2019	15302777	6232217	2 Finlayson Ave	Manurewa	N/A	L1	333	Rubbish	0	No	No	Yes
1/07/2018	14403309	6235928	2/21 Elizabeth Ave	Papatoetoe	N/A	L1	84	Rubbish	6	No	No	Yes
3/07/2018	14409261	50092425	4 Brooks Way	Papatoetoe	N/A	L1	954	Broken pipe	0.5	No	No	Yes
3/07/2018	14409325	7028684	104 Buckland Rd	Mangere East	N/A	L1	97	Rubbish	0.5	No	No	Yes
5/07/2018	14415156	6235928	2/21 Elizabeth Ave	Papatoetoe	N/A	L1	137	Rubbish	0	No	No	Yes
7/07/2018	14419091	6202183	70 Wyllie Rd	Papatoetoe	N/A	L1	1213	Rags	0	No	No	Yes
7/07/2018	14419181	50092425	4 Brooks Way	Papatoetoe	N/A	L1	797	Broken pipe	0	No	No	Yes
8/07/2018	14419575	6239226	3B Burrell Ave	Manukau Central	N/A	L1	83	Fat	3.5	No	No	Yes
13/07/2018	14434139	50092425	4 Brooks Way	Papatoetoe	N/A	L1	208	Broken pipe	0.5	No	No	Yes
15/07/2018	14435421	6234317	50 Ramsey St	Papatoetoe	N/A	L1	148	Surcharging	84	No	No	Yes

Table 29: Overflows in the Pahurehure Inlet Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403136	6231999	4/44 Jellicoe Rd	Manurewa	N/A	L1	163	Fat	6	No	No	Yes
1/07/2018	14403509	6238145	235 Mahia Rd	Manurewa	N/A	L1	1142	Fat	6	No	No	Yes
3/07/2018	14407689	6238432	68 Sandwick Dr	Manurewa	N/A	L1	97	Roots	0.5	No	No	Yes
3/07/2018	14408360	6233123	106 Wordsworth Rd	Manurewa	N/A	L1	344	Fat	0.5	No	No	Yes
3/07/2018	14409450	6236560	56 Puriri Rd	Manurewa	N/A	L1	111	Broken pipe	0.5	No	No	Yes
6/07/2018	14417018	6236518	7 Mahia Rd	Manurewa	N/A	L1	69	Fat	0	No	No	Yes
6/07/2018	14418270	6239080	35 Maich Rd	Manurewa	N/A	L1	1188	Roots	0	No	No	Yes
9/07/2018	14421930	6488405	81 Rathmar Dr	Manurewa	N/A	L1	156	Roots	5	No	No	Yes
10/07/2018	14423406	6230021	121 Beaumonts Way	Manurewa	N/A	L1	243	Fat	7	No	No	Yes
11/07/2018	14427395	6233514	6 Hotunui Dr	Mt Wellington	N/A	L1	123	Rubbish	0.5	No	No	Yes
11/07/2018	14428163	6232392	1 William Ave	Manurewa	N/A	L1	92	Broken pipe	0.5	No	No	Yes
15/07/2018	14435428	6236563	121 Beaumonts Way	Manurewa	N/A	L1	371	Surcharging	84	No	No	Yes
15/07/2018	14435517	6233356	19 Dreadon Rd	Manurewa	N/A	L1	215	Surcharging	84	No	No	Yes
15/07/2018	14435626	50077839	123 Beaumonts Way	Manurewa	N/A	L1	1373	Surcharging	84	No	No	Yes
15/07/2018	14435932	6233794	21 Crampton Pl	Manurewa	N/A	L1	1349	Surcharging	84	No	No	Yes
16/07/2018	14437244	6229862	2 Foxlaw St	Randwick Park	N/A	L1	271	Surcharging	0	No	No	Yes
16/07/2018	14437842	6231994	3/44 Jellicoe Rd	Manurewa	N/A	L1	19	Surcharging	0	No	No	Yes
16/07/2018	14439160	50159227	56 Kaimoana St	Weymouth	N/A	L1	1147	Surcharging	0	No	No	Yes
18/07/2018	14443301	6299777	4/44 Jellicoe Rd	Manurewa	N/A	L1	147	Surcharging	1.5	No	No	Yes
21/07/2018	14451734	6233145	4/44 Jellicoe Rd	Manurewa	N/A	L1	164	Surcharging	0	No	No	Yes
22/07/2018	14452484	6233541	1/29 Aarts Ave	Manurewa	N/A	L1	110	Surcharging	7	No	No	Yes
23/07/2018	14453849	6231378	1/28 Nearco St	Randwick Park	N/A	L1	117	Rags	2.5	No	No	Yes
23/07/2018	14455616	6232369	4 Carter Pl	Manurewa	N/A	L1	177	Fat	2.5	No	No	Yes
24/07/2018	14458407	6237083	45 Sandwick Dr	Manurewa	N/A	L1	97	Rubbish	0	No	No	Yes
24/07/2018	14458612	6233064	9 Ririno Pl	Manurewa	N/A	L1	115	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
31/07/2018	14477245	6047816	9 Innismara Ave	Manurewa	-	L2	1133	Fat	0	No	No	Yes
2/08/2018	14484717	50077839	7 Mahia Rd	Manurewa	N/A	L1	1168	Fat	0	No	No	Yes
3/08/2018	14488197	6232869	44 Russell Rd	Manurewa	N/A	L1	68	Foreign Object	5	No	No	Yes
8/08/2018	14498765	6488349	83 Rathmar Dr	Manurewa	N/A	L1	98	Roots	8	No	No	Yes
12/08/2018	14507015	6233035	21 Coxhead Rd	Manurewa	N/A	L1	421	Fat	0	No	No	Yes
14/08/2018	14513106	6490039	30 Puriri Rd	Manurewa	N/A	L1	1270	Rubbish	13.5	No	No	Yes
15/08/2018	14514592	6228953	160 Polo Prince Dr	Alfriston	N/A	L1	397	Roots	4.5	No	No	Yes
16/08/2018	14517590	6044665	21 Coxhead Rd	Manurewa	N/A	L1	60	3rd party damage	2.5	No	No	Yes
23/08/2018	14534950	6046653	10 Nield Rd	Manurewa	N/A	L1	490	Surcharging	2.5	No	No	Yes
24/08/2018	14538840	6236247	88 Beaumonts Way	Manurewa	N/A	L1	140	Foreign Object	3	No	No	Yes
24/08/2018	14539169	6229196	2 Scenic Dr	Hill Park	N/A	L1	1405	Roots	3	No	No	Yes
25/08/2018	14540125	6237135	34 Becker Dr	Weymouth	N/A	L1	54	Surcharging	3	No	No	Yes
29/08/2018	14548884	6236501	10 Nield Rd	Manurewa	N/A	L1	34	Surcharging	40	No	No	Yes
4/09/2018	14563994	6232531	60 Browns Rd	Manurewa	N/A	L1	9	Fat	0.5	No	No	Yes
5/09/2018	14565588	6044389	14 Dreadon Rd	Manurewa	N/A	L1	296	Fat	0	No	No	Yes
5/09/2018	14565833	6232269	64 Wordsworth Rd	Manurewa	N/A	L1	239	Unknown	0	No	No	Yes
5/09/2018	14566931	6044119	28 Bedlington Ave	Manurewa	N/A	L1	88	Rubbish	0	No	No	Yes
6/09/2018	14569871	6047151	71 Tington Ave	Wattle Downs	N/A	L1	1344	Broken pipe	1	No	No	Yes
7/09/2018	14571651	6230557	11 Goldnib Pl	Randwick Park	N/A	L1	208	Fat	0.5	No	No	Yes
10/09/2018	14575143	6233345	2 Arnwood St	Manurewa	N/A	L1	524	Fat	0.5	No	No	Yes
10/09/2018	14576299	6233129	156 Wordsworth Rd	Manurewa	N/A	L1	320	Unknown	0.5	No	No	Yes
11/09/2018	14580674	6233095	9 Deveron Rd	Manurewa	N/A	L1	236	Rubbish	0	No	No	Yes
12/09/2018	14583311	6229685	57 Mcannalley St	Manurewa	N/A	L1	120	Fat	0	No	No	Yes
15/09/2018	14591722	6237123	10 Montego Pl	Manurewa	N/A	L1	276	Fat	0	No	No	Yes
19/09/2018	14601345	6232852	64 Wordsworth Rd	Manurewa	N/A	L1	135	Fat	1	No	No	Yes
29/09/2018	14626657	6229684	57 Mcannalley St	Manurewa	N/A	L1	117	Fat	0	No	No	Yes
30/09/2018	14627265	6229541	1/24 Myers Rd	Manurewa	N/A	L1	135	Fat	0	No	No	Yes
2/10/2018	14633550	6494693	2/53 Russell Rd	Manurewa	N/A	L1	166	Fat	6	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/10/2018	14639379	6236106	6 Tui Cres	Manurewa	N/A	L1	355	Unknown	0	No	No	Yes
5/10/2018	14642398	6237102	39R Wattle Farm Rd	Wattle Downs	N/A	L1	189	Unknown	0	No	No	Yes
9/10/2018	14651179	6237548	30 Sandwich Dr	Manurewa	N/A	L1	106	Rubbish	0	No	No	Yes
10/10/2018	14653339	6229714	59 Beaumonts Way	Manurewa	N/A	L1	218	Fat	0	No	No	Yes
15/10/2018	14666488	6237129	12R Montego Pl	Manurewa	N/A	L1	112	Fat	0	No	No	Yes
22/10/2018	14683958	6229886	42 Rogers Rd	Manurewa	N/A	L1	210	Roots	0	No	No	Yes
23/10/2018	14685286	6236137	2 Holmes Rd	Manurewa	N/A	L1	160	Unknown	0	No	No	Yes
23/10/2018	14688297	1586171	6 Tui Cres	Manurewa	N/A	L1	508	Unknown	0	No	No	Yes
3/11/2018	14720145	6232777	18 Swallow Dr	Manurewa	N/A	L1	1076	Fat	0	No	No	Yes
12/11/2018	14742100	6230024	23 Limond St	Randwick Park	N/A	L1	1194	Unknown	7	No	No	Yes
12/11/2018	14742233	6238092	6 Pinehurst Pl	Wattle Downs	N/A	L1	930	Roots	7	No	No	Yes
25/11/2018	14773697	6042056	7 Saints (Private) Crt	Manurewa	N/A	L1	193	Fat	19	No	No	Yes
26/11/2018	14774569	6041354	23 Walpole Ave	Hill Park	N/A	L1	281	Roots	12	No	No	Yes
26/11/2018	14775351	6230477	34 Claude Rd	Manurewa	N/A	L1	325	Rubbish	12	No	No	Yes
26/11/2018	14776775	6236732	5 Trimdon St	Randwick Park	N/A	L1	102	Surcharging	12	No	No	Yes
6/12/2018	14802186	6041902	2 Russell Rd	Manurewa	N/A	L1	273	Fat	14.5	No	No	Yes
10/12/2018	14809707	6234084	2/6 Cambridge Rd	Manurewa	N/A	L1	61	3rd party damage	0	No	No	Yes
12/12/2018	14817853	6236973	33 Claymore St	Manurewa	N/A	L1	235	Fat	0	No	No	Yes
13/12/2018	14818617	6237006	69 Thompson Tce	Manurewa	N/A	L1	374	Fat	0	No	No	Yes
14/12/2018	14823802	6041999	8 Horlicks Pl	Randwick Park	N/A	L1	116	Surcharging	26.5	No	No	Yes
15/12/2018	14824095	6232185	3/53 Russell Rd	Manurewa	N/A	L1	372	Unknown	2	No	No	Yes
19/12/2018	14832903	6236161	85 Mahia Rd	Manurewa	N/A	L1	251	Roots	2	No	No	Yes
20/12/2018	14836115	6229862	2 Foxlaw St	Randwick Park	N/A	L1	63	Surcharging	47.5	No	No	Yes
20/12/2018	14837469	6237555	33 Leaver Pl	Weymouth	N/A	L1	689	Unknown	47.5	No	No	Yes
20/12/2018	14837514	6046514	6 Tui Cres	Manurewa	N/A	L1	160	Unknown	47.5	No	No	Yes
21/12/2018	14840126	6044715	17 Minton Pl	Manurewa	N/A	L1	234	Unknown	4	No	No	Yes
21/12/2018	14840227	6229624	39 Arthur Rd	Manurewa	-	L2	480	Broken pipe	4	No	No	Yes
22/12/2018	14841027	6044385	21 Crampton Pl	Manurewa	N/A	L1	177	Fat	2	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
22/12/2018	14841260	6237555	33 Leaver Pl	Weymouth	N/A	L1	292	Unknown	2	No	No	Yes
23/12/2018	14842292	6236106	6 Tui Cres	Manurewa	N/A	L1	730	Surcharging	22	No	No	Yes
25/12/2018	14844454	6236106	6 Tui Cres	Manurewa	N/A	L1	681	Surcharging	22.5	No	No	Yes
25/12/2018	14844703	6236106	6 Tui Cres	Manurewa	N/A	L1	148	Fat	22.5	No	No	Yes
26/12/2018	14845148	6044285	1/29 Aarts Ave	Manurewa	N/A	L1	1187	Surcharging	0	No	No	Yes
26/12/2018	14845369	6237287	25 Friedlanders Rd	Manurewa	N/A	L1	1084	Surcharging	0	No	No	Yes
28/12/2018	14848445	6044299	60 Pallant St	Manurewa	N/A	L1	266	Rags	0	No	No	Yes
28/12/2018	14849291	6048060	56R Becker Dr	Weymouth	N/A	L1	74	Surcharging	0	No	No	Yes
7/01/2019	14860029	6236161	89 Mahia Rd	Manurewa	N/A	L1	153	Roots	0	No	No	Yes
7/01/2019	14860242	6294720	20 Alfriston Rd	Manurewa	N/A	L1	82	Broken pipe	0	No	No	Yes
7/01/2019	14861652	6951897	141 Alfriston Rd	Manurewa	N/A	L1	203	Unknown	0	No	No	Yes
7/01/2019	14861832	6239101	39R Wattle Farm Rd	Wattle Downs	N/A	L1	156	Rubbish	0	No	No	Yes
9/01/2019	14867854	6236161	89 Mahia Rd	Manurewa	N/A	L1	236	Roots	0	No	No	Yes
13/01/2019	14875592	6230048	2 Advocate Pl	Randwick Park	N/A	L1	164	Unknown	0	No	No	Yes
19/01/2019	14891431	6233288	95 Gloucester Rd	Manurewa	N/A	L1	128	Rags	0.5	No	No	Yes
20/01/2019	14892495	6232955	14 Mckean Ave	Manurewa	N/A	L1	195	Foreign Object	0.5	No	No	Yes
21/01/2019	14894915	6238882	193 Carnoustie Dr	Wattle Downs	-	L2	212	Roots	0	No	No	Yes
22/01/2019	14897245	6232878	48 Mckean Ave	Manurewa	N/A	L1	104	Unknown	0	No	No	Yes
22/01/2019	14899150	6232201	3/53 Russell Rd	Manurewa	N/A	L1	1274	Fat	0	No	No	Yes
23/01/2019	14900238	6229886	42 Rogers Rd	Manurewa	N/A	L1	172	Unknown	0	No	No	Yes
23/01/2019	14900890	6232250	110 Wordsworth Rd	Manurewa	N/A	L1	220	Roots	0	No	No	Yes
24/01/2019	14904165	6232398	4 Kirton Cres	Manurewa	N/A	L1	112	Unknown	1.5	No	No	Yes
24/01/2019	14904176	6232398	12 Kirton Cres	Manurewa	N/A	L1	64	Unknown	1.5	No	No	Yes
25/01/2019	14906636	6238181	16 Lucas Pl	Weymouth	-	L2	88	Fat	0	No	No	Yes
25/01/2019	14907149	6494692	3/53 Russell Rd	Manurewa	N/A	L1	174	Fat	0	No	No	Yes
28/01/2019	14910986	6229279	14 Fleming St	Manurewa	N/A	L1	49	Rags	0	No	No	Yes
28/01/2019	14911007	6230094	1 Browning St	Manurewa	N/A	L1	44	Unknown	0	No	No	Yes
30/01/2019	14915412	6041509	150 Great South Rd	Manurewa	N/A	L1	333	Fat	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
30/01/2019	14916570	6229262	30 Alfriston Rd	Manurewa	N/A	L1	315	Silts	0	No	No	Yes
1/02/2019	14923421	6229306	8 Horlicks Pl	Randwick Park	N/A	L1	1177	Fat	0	No	No	Yes
1/02/2019	14923594	6044711	2 Kern Pl	Manurewa	N/A	L1	666	Unknown	0	No	No	Yes
4/02/2019	14926199	6232867	157 Wordsworth Rd	Manurewa	N/A	L1	95	3rd Party Damage	0	No	No	Yes
4/02/2019	14928335	6232866	2 Arnwood St	Manurewa	N/A	L1	191	Fat	0	No	No	Yes
4/02/2019	14928556	6232995	17 Poutini Pl	Manurewa	N/A	L1	928	Unknown	0	No	No	Yes
9/02/2019	14939930	6041820	1 Browning St	Manurewa	N/A	L1	111	Silts	0	No	No	Yes
10/02/2019	14940897	6229886	42 Rogers Rd	Manurewa	-	L2	108	Broken Pipe	0	No	No	Yes
12/02/2019	14946771	6229647	52 Alfriston Rd	Manurewa	N/A	L1	139	Fat	0.5	No	No	Yes
18/02/2019	14959924	6229279	14 Fleming St	Manurewa	N/A	L1	169	Unknown	2	No	No	Yes
25/02/2019	14977942	6465009	12 Senator Dr	Manurewa	N/A	L1	208	Fat	0	No	No	Yes
26/02/2019	14982299	6229450	37 Halver Rd	Manurewa	N/A	L1	223	Broken pipe	0	No	No	Yes
26/02/2019	14983431	6046513	43 Wickman Way	Mangere East	N/A	L1	1033	Unknown	0	No	No	Yes
10/03/2019	15014009	6231976	99 Maich Rd	Manurewa	N/A	L1	176	Foreign Object	0	No	No	Yes
11/03/2019	15015747	6697709	46 Stratford Rd	Alfriston	-	L2	200	Fat	0	No	No	Yes
13/03/2019	15022143	6237135	34 Becker Dr	Weymouth	N/A	L1	151	Fat	0	No	No	Yes
15/03/2019	15028510	6232396	2 Heybridge St	Manurewa	N/A	L1	69	Unknown	0	No	No	Yes
15/03/2019	15029464	6236356	115 Mahia Rd	Manurewa	N/A	L1	1341	Unknown	0	No	No	Yes
21/03/2019	15043758	6951837	2 Villino Pl	Randwick Park	N/A	L1	45	Rubbish	0	No	No	Yes
31/03/2019	15066535	6239274	68R Coxhead Rd	Manurewa	N/A	L1	105	Fat	0	No	No	Yes
3/04/2019	15074864	6228408	14 Alfriston Rd	Manurewa	N/A	L1	147	Fat	0	No	No	Yes
5/04/2019	15082756	6233401	17 Poutini Pl	Manurewa	N/A	L1	438	Fat	0	No	No	Yes
5/04/2019	15082914	6479797	52 Castlefinn Dr	Manurewa	-	L3	288	Foreign Object	0	Yes	Yes	Yes
12/04/2019	15101667	6232214	76S Russell Rd	Manurewa	N/A	L1	127	Fat	5.5	No	No	Yes
15/04/2019	15108519	6236904	47 Coxhead Rd	Manurewa	N/A	L1	143	Fat	0	No	No	Yes
16/04/2019	15111496	6229337	25 Beaumonts Way	Manurewa	-	L2	202	Rubbish	0	No	No	Yes
17/04/2019	15112472	6230060	77 Rogers Rd	Manurewa	N/A	L1	196	Unknown	0	No	No	Yes
19/04/2019	15119852	6230555	17 Goldnib Pl	Randwick Park	N/A	L1	160	Roots	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/04/2019	15124780	6238510	31A Estuary Rd	Weymouth	N/A	L1	97	Unknown	1	No	No	Yes
26/04/2019	15130055	6229279	14 Fleming St	Manurewa	N/A	L1	1389	Fat	0	No	No	Yes
26/04/2019	15131571	6236161	89 Mahia Rd	Manurewa	N/A	L1	32	Rags	0	No	No	Yes
27/04/2019	15132790	6229541	44 Myers Rd	Manurewa	N/A	L1	261	Silts	0	No	No	Yes
27/04/2019	15132894	6233025	4 Selsey Lane	Manurewa	N/A	L1	77	Fat	0	No	No	Yes
27/04/2019	15133363	6236518	7 Mahia Rd	Manurewa	N/A	L1	188	Fat	0	No	No	Yes
27/04/2019	15133417	6233360	14 Dreadon Rd	Manurewa	N/A	L1	159	Rags	0	No	No	Yes
1/05/2019	15142014	6236570	89 Mahia Rd	Manurewa	N/A	L1	150	Fat	0	No	No	Yes
1/05/2019	15143355	6233245	77 Maich Rd	Manurewa	N/A	L1	339	Fat	0	No	No	Yes
2/05/2019	15144691	6239258	10 Sealord Pl	Manurewa	N/A	L1	309	Fat	0	No	No	Yes
6/05/2019	15155078	6046560	23 Ferguson St	Manurewa	N/A	L1	189	Rags	0	No	No	Yes
6/05/2019	15156366	6233531	21 Coxhead Rd	Manurewa	N/A	L1	187	Roots	0	No	No	Yes
9/05/2019	15166463	6229652	210 Great South Rd	Manurewa	N/A	L1	108	Unknown	0	No	No	Yes
9/05/2019	15167103	6046560	23 Ferguson St	Manurewa	N/A	L1	179	Rags	0	No	No	Yes
9/05/2019	15167888	6238085	18 Reremanu Pl	Weymouth	N/A	L1	80	Unknown	0	No	No	Yes
11/05/2019	15174034	6233515	1/15 Hoturoa Pl	Manurewa	N/A	L1	68	Fat	0	No	No	Yes
16/05/2019	15187669	6232398	4 Kirton Cres	Manurewa	N/A	L1	175	Unknown	3.5	No	No	Yes
17/05/2019	15192071	6236569	111 Coxhead Rd	Manurewa	N/A	L1	194	Unknown	4	No	No	Yes
20/05/2019	15195569	6236131	2 Kohiwi Rd	Manurewa	N/A	L1	145	Unknown	0.5	No	No	Yes
20/05/2019	15197402	6229259	7 Scotts Rd	Manurewa	N/A	L1	1322	Fat	0.5	No	No	Yes
22/05/2019	15201520	6238510	31A Estuary Rd	Weymouth	N/A	L1	326	Fat	0	No	No	Yes
25/05/2019	15211027	6238085	18 Reremanu Pl	Weymouth	N/A	L1	268	Fat	0	No	No	Yes
26/05/2019	15212600	6228427	70 Mcannalley St	Manurewa	N/A	L1	79	Fat	0	No	No	Yes
27/05/2019	15213403	6236529	89 Mahia Rd	Manurewa	N/A	L1	509	Rags	0	No	No	Yes
27/05/2019	15215357	6233063	1/4 Selsey Lane	Manurewa	N/A	L1	180	Fat	0	No	No	Yes
27/05/2019	15215837	6041872	70 Mcannalley St	Manurewa	N/A	L1	90	Fat	0	No	No	Yes
28/05/2019	15218076	6046708	6 Rimu Rd	Manurewa	0.25	L1	376	Fat	8	No	No	Yes
30/05/2019	15225380	6041523	2 Corin Ave	Manurewa	N/A	L1	479	Rags	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/06/2019	15229666	6047076	1/53 Trimdon St	Randwick Park	N/A	L1	69	Roots	9.5	No	No	Yes
1/06/2019	15229965	6041596	41 Claude Rd	Manurewa	N/A	L1	1174	Fat	9.5	No	No	Yes
1/06/2019	15230034	6229337	25 Beaumonts Way	Manurewa	N/A	L1	126	Fat	9.5	No	No	Yes
3/06/2019	15231264	6239105	5 Tington Ave	Wattle Downs	N/A	L1	295	Roots	0	No	No	Yes
3/06/2019	15231420	6239241	1/10 Bowater Pl	Manurewa	N/A	L1	364	Fat	0	No	No	Yes
7/06/2019	15242918	6236790	4 Lothian Brae	Wattle Downs	N/A	L1	1378	Roots	23.5	No	No	Yes
11/06/2019	15251456	6236762	64 Greenmeadows Ave	Manurewa	N/A	L1	374	Unknown	2.5	No	No	Yes
18/06/2019	15268699	6229450	37 Halver Rd	Manurewa	N/A	L1	700	Foreign Object	0	No	No	Yes
22/06/2019	15282249	6048006	8 Montego Pl	Manurewa	N/A	L1	154	Foreign Object	0	No	No	Yes
22/06/2019	15282695	6047059	5 Trimdon St	Randwick Park	N/A	L1	350	Rags	0	No	No	Yes
24/06/2019	15285923	6048012	17 Montego Pl	Manurewa	N/A	L1	476	Foreign Object	2	No	No	Yes
24/06/2019	15286591	6228420	32 Mcannalley St	Manurewa	N/A	L1	340	Fat	2	No	No	Yes
30/06/2019	15302842	6238611	69 Lothian Brae	Wattle Downs	N/A	L1	107	Roots	0	No	No	Yes

Table 30: Overflows in the Oneroa Catchment Area

There were no reported overflows in this catchment during the period of 2018-2019.

Table 31: Overflows in the Beachlands Maraetai Catchment Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/07/2018	14449583	6201286	235 Maraetai Dr	Maraetai	N/A	L1	307	Surcharging	1.5	No	No	Yes
7/08/2018	14496021	6205221	10 Cherry Rd	Highland Park	N/A	L1	194	Roots	0	No	No	Yes
29/08/2018	14548805	6204318	15 Sunkist Bay Rd	Beachlands	N/A	L1	744	Surcharging	48	No	No	Yes
15/10/2018	14665169	6201408	76 Maraetai Dr	Maraetai	N/A	L1	273	Roots	0	No	No	Yes
15/10/2018	14665602	6201408	53 Maraetai Dr	Maraetai	N/A	L1	603	Roots	0	No	No	Yes
9/11/2018	14735101	6204321	8 Sunkist Bay Rd	Beachlands	N/A	L1	111	Rubbish	2.5	No	No	Yes
24/11/2018	14772586	6203016	3 Neill Boak Pl	Beachlands	N/A	L1	89	Roots	20.5	No	No	Yes
26/12/2018	14844956	6201397	24 Omana Esp	Maraetai	N/A	L1	956	Broken pipe	0.5	No	No	Yes
4/02/2019	14926338	50300237	14 Kaiawa St	Beachlands	N/A	L1	186	Silts	0	No	No	Yes
30/04/2019	15140049	6203203	190 Jack Lachlan Dr	Beachlands	-	L2	200	Roots	0	No	No	Yes
19/05/2019	15194124	6204321	8 Sunkist Bay Rd	Beachlands	N/A	L1	126	Fat	1.5	No	No	Yes
21/05/2019	15198909	6201063	26 Campbell Rd	Maraetai	N/A	L1	158	Fat	0	No	No	Yes
4/06/2019	15232518	6017657	76 Maraetai Dr	Maraetai	N/A	L1	6	Roots	0	No	No	Yes
17/06/2019	15265578	6201118	182 Maraetai Dr	Maraetai	N/A	L1	452	Unknown	3	No	No	Yes
29/06/2019	15302387	6201428	119B Maraetai Dr	Maraetai	N/A	L1	317	Unknown	0	No	No	Yes
30/06/2019	15302815	6201428	119B Maraetai Dr	Maraetai	N/A	L1	363	Unknown	0	No	No	Yes

Table 32: Overflows in the Clarks Beach Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/07/2018	14456093	23503701	22 Keven Rd	Pukekohe	-	L2	260	Unknown	0.5	No	No	Yes
30/01/2019	14917279	23501907	Ronald Ave	Glenbrook	N/A	L1	157	Unknown	0	No	No	Yes
6/02/2019	14932369	23503366	A/14 Keven Rd	Pukekohe	N/A	L1	56	Broken Pipe	0	No	No	Yes
5/03/2019	15000981	23503341	A/14 Keven Rd	Pukekohe	N/A	L1	1146	3rd party damage	0	No	No	Yes
20/03/2019	15040577	23501921	1 Ronald Ave	Glenbrook	N/A	L1	108	Fat	0	No	No	Yes
23/04/2019	15124611	23501912	1 Cliff Lane	Glenbrook	N/A	L1	236	Unknown	0	No	No	Yes
25/04/2019	15128720	23501912	1 Cliff Lane	Glenbrook	N/A	L1	148	Foreign Object	0.5	No	No	Yes
28/05/2019	15217125	26101592	53 Torkar Rd	Clarks Beach	N/A	L1	208	Broken Pipe	6	No	No	Yes
16/06/2019	15264953	23501907	41 Ronald Ave	Glenbrook	N/A	L1	1140	Fat	1.5	No	No	Yes

Table 33: Overflows in the Waiuku Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
5/07/2018	14415424	23502756	8 Racecourse Rd	Waiuku	N/A	L1	1372	Fat	0	No	No	Yes
15/07/2018	14435961	23502486	Racecourse Rd	Waiuku	N/A	L1	274	Surcharging	66	No	No	Yes
19/07/2018	14447893	23502898	100 Queen St	Waiuku	N/A	L1	287	Fat	9	No	No	Yes
10/08/2018	14504257	23502925	36 Victoria Ave	Waiuku	N/A	L1	126	Fat	0	No	No	Yes
18/08/2018	14523700	23502061	A/6 Logan Rd	Pukekohe	N/A	L1	219	Fat	1.5	No	No	Yes
26/08/2018	14541026	23502251	22 Lina Pl	Waiuku	N/A	L1	169	Unknown	0	No	No	Yes
3/10/2018	14635765	23504302	173 Colombo Rd	Waiuku	N/A	L1	157	Unknown	0.5	No	No	Yes
13/10/2018	14663292	23502411	Rangiwhea Rd	Waiuku	N/A	L1	38	Broken pipe	0.5	No	No	Yes
26/10/2018	14697721	23502599	106 Racecourse Rd	Waiuku	N/A	L1	115	Rubbish	3.5	No	No	Yes
3/11/2018	14719880	23502370	35 Riverside Dr	Waiuku	N/A	L1	116	Fat	0.5	No	No	Yes
4/11/2018	14720174	2502093	10 King St	Waiuku	N/A	L1	456	Rags	2.5	No	No	Yes
20/12/2018	14835499	26102520	10 Matai St	Waiuku	N/A	L1	476	Unknown	36	No	No	Yes
10/01/2019	14869861	23504302	173 Colombo Rd	Waiuku	N/A	L1	272	Rubbish	0	No	No	Yes
12/01/2019	14874729	23504302	173 Colombo Rd	Waiuku	N/A	L1	1394	Foreign Object	0	No	No	Yes
26/01/2019	14909079	23502968	25 Stonehurst Ave	Waiuku	N/A	L1	79	Unknown	0	No	No	Yes
13/03/2019	15020892	26102031	14 Lina Pl	Waiuku	N/A	L1	357	Roots	0	No	No	Yes
7/04/2019	15085457	23502525	2 Totara St	Waiuku	N/A	L1	168	Fat	0.5	No	No	Yes
22/05/2019	15203960	26102551	17 Collingwood Rd	Waiuku	N/A	L1	1110	Unknown	0.5	No	No	Yes
31/05/2019	15228436	23502737	17 Collingwood Rd	Waiuku	N/A	L1	1398	Broken pipe	28	No	No	Yes
3/06/2019	15231150	2002189	100 Queen St	Waiuku	N/A	L1	147	Unknown	0	No	No	Yes
5/06/2019	15235631	2501982	35 Riverside Dr	Waiuku	N/A	L1	168	Unknown	15.5	No	No	Yes

Table 34: Overflows in the Pukekohe Strategic Management Area

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
4/07/2018	14411055	23500980	Tobin St	Pukekohe	N/A	L1	84	Rubbish	0	No	No	Yes
5/07/2018	14414522	23501298	Harris St	Pukekohe	N/A	L1	501	Rubbish	0	No	No	Yes
8/07/2018	14419841	23501003	6 Ward St	Pukekohe	N/A	L1	157	Unknown	8.5	No	No	Yes
15/07/2018	14435822	23500925	21 Thomas Moore Pl	Pukekohe	N/A	L1	396	Surcharging	66	No	No	Yes
15/07/2018	14435883	23500780	12 Eastside Dr	Pukekohe	N/A	L1	314	Surcharging	66	No	No	Yes
15/07/2018	14436022	23501334	298 Upper Queen St	Pukekohe	N/A	L1	98	3rd party damage	66	No	No	Yes
16/07/2018	14436833	26101177	3 Isabella Dr	Pukekohe	N/A	L1	489	Surcharging	1	No	No	Yes
17/07/2018	14440313	23501160	304 Upper Queen St	Pukekohe	N/A	L1	481	Surcharging	1.5	No	No	Yes
20/07/2018	14450866	23501334	298 Upper Queen St	Pukekohe	N/A	L1	1348	Surcharging	0.5	No	No	Yes
20/07/2018	14451031	23501334	300C Upper Queen St	Pukekohe	N/A	L1	1406	3rd party damage	0.5	No	No	Yes
1/08/2018	14481298	23501423	148 Kitchener Rd	Pukekohe	N/A	L1	1033	3rd party damage	0	No	No	Yes
2/08/2018	14484651	23501768	148 Kitchener Rd	Pukekohe	N/A	L1	181	3rd party damage	1	No	No	Yes
6/08/2018	14491052	23501528	Harris St	Pukekohe	N/A	L1	497	Fat	0	No	No	Yes
7/08/2018	14495044	23501334	154 Kitchener Rd	Pukekohe	N/A	L1	206	3rd party damage	0	No	No	Yes
8/08/2018	14498133	23500799	13 Max Short Dr	Pukekohe	N/A	L1	269	Rags	7	No	No	Yes
10/08/2018	14505412	23501423	148 Kitchener Rd	Pukekohe	N/A	L1	203	3rd party damage	0	No	No	Yes
10/08/2018	14505737	23503453	16 Princes St	Pukekohe	N/A	L1	140	Fat	0	No	No	Yes
13/08/2018	14509736	23503951	1780 Buckland Rd	Buckland	N/A	L1	1105	Rubbish	4.5	No	No	Yes
18/08/2018	14523422	23501860	B/11 Laurelwood Ave	Pukekohe	N/A	L1	588	Fat	1.5	No	No	Yes
19/08/2018	14523934	23501155	154 Kitchener Rd	Pukekohe	N/A	L1	238	Unknown	0	No	No	Yes
25/08/2018	14540185	23500360	76 Kayes Rd	Pukekohe	N/A	L1	391	Fat	2	No	No	Yes
26/08/2018	14540848	23501769	B/11 Laurelwood Ave	Pukekohe	N/A	L1	95	Roots	0	No	No	Yes
29/08/2018	14549164	23501326	288 Queen St	Pukekohe	N/A	L1	283	Surcharging	24.5	No	No	Yes
31/08/2018	14555692	23500974	91 Seddon St	Pukekohe	N/A	L1	121	Unknown	1.5	No	No	Yes
31/08/2018	14556370	23504265	3/269 Queen St	Pukekohe	N/A	L1	146	Fat	1.5	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/09/2018	14556860	23501319	270 Queen St	Pukekohe	0.25	L2	311	Broken pipe	0	No	No	Yes
9/10/2018	14651738	23501900	Seddon St	Pukekohe	N/A	L1	250	Unknown	2.5	No	No	Yes
12/10/2018	14662543	23500159	9 Bale Way	Pukekohe	N/A	L1	228	Unknown	9.5	No	No	Yes
17/10/2018	14674304	23500598	76 Kayes Rd	Pukekohe	N/A	L1	1351	Unknown	0.5	No	No	Yes
17/10/2018	14674556	23501606	3 Lionel Sharp Pl	Pukekohe	N/A	L1	1180	Unknown	0.5	No	No	Yes
1/11/2018	14712845	23500310	2 Puriri Rd	Pukekohe	N/A	L1	140	Rubbish	4.5	No	No	Yes
15/12/2018	14824098	2500680	8 Ward St	Pukekohe	N/A	L1	214	Fat	6.5	No	No	Yes
15/12/2018	14824158	23500370	66 Birdwood Rd	Pukekohe	N/A	L1	373	Fat	6.5	No	No	Yes
17/12/2018	14827964	26115062	2 Valleyside Way	Pukekohe	N/A	L1	587	Surcharging	5	No	No	Yes
24/12/2018	14843094	26101078	3/19 Station Rd	Pukekohe	N/A	L1	509	Surcharging	55.5	No	No	Yes
24/12/2018	14843237	23503867	21 Thomas Moore Pl	Pukekohe	N/A	L1	453	Surcharging	55.5	No	No	Yes
24/12/2018	14843256	23501714	9 Reidy Pl	Pukekohe	N/A	L1	469	Surcharging	55.5	No	No	Yes
24/12/2018	14843621	26100537	2 Valleyside Way	Pukekohe	N/A	L1	457	Surcharging	55.5	No	No	Yes
25/12/2018	14844553	23501533	6/15 Cape Hill Rd	Pukekohe	N/A	L1	408	Surcharging	38.5	No	No	Yes
26/12/2018	14845032	23500779	2 Valleyside Way	Pukekohe	N/A	L1	260	Surcharging	0.5	No	No	Yes
26/12/2018	14845064	23500370	66 Birdwood Rd	Pukekohe	N/A	L1	137	Surcharging	0.5	No	No	Yes
2/02/2019	14924348	50075546	137 Isabella Dr	Pukekohe	-	L2	128	Silts	0	No	No	Yes
11/02/2019	14944715	26100095	4 Frank Hewitt St	Pukekohe	N/A	L1	82	Fat	0	No	No	Yes
15/02/2019	14955859	23501821	46 Paterson Ave St-W	Pukekohe	N/A	L1	249	Fat	0	No	No	Yes
16/02/2019	14957634	2500094	4 Frank Hewitt St	Pukekohe	N/A	L1	200	Fat	0	No	No	Yes
20/02/2019	14967177	23501630	79 East St	Pukekohe	N/A	L1	317	Unknown	2.5	No	No	Yes
19/03/2019	15036794	51204134	19 Rainsford Rd	Pukekohe	N/A	L1	219	Rubbish	0	No	No	Yes
25/03/2019	15051134	51204134	19 Rainsford Rd	Pukekohe	N/A	L1	412	Rubbish	0.5	No	No	Yes
28/03/2019	15062007	50301439	9 Bale Way	Pukekohe	N/A	L1	160	Fat	7.5	No	No	Yes
30/03/2019	15065786	23503532	35 Anselmi Ridge Rd	Pukekohe	N/A	L1	133	Unknown	0	No	No	Yes
3/04/2019	15075724	23500450	24 Tasman St	Pukekohe	N/A	L1	199	Fat	0	No	No	Yes
7/04/2019	15085267	2500221	28 Paerata Rd	Pukekohe	N/A	L1	229	Unknown	0.5	No	No	Yes
25/04/2019	15128743	26100984	16 Tom Keven Way	Pukekohe	N/A	L1	741	Unknown	0.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
26/04/2019	15129746	51213168	121 Belmont Rd	Pukekohe	N/A	L1	425	Unknown	0	No	No	Yes
26/04/2019	15130937	23501690	A/4 Massey Ave	Pukekohe	N/A	L1	253	Fat	0	No	No	Yes
30/04/2019	15138348	26100808	3 George Arthur Pl	Pukekohe	2.5	L3	459	Unknown	0	Yes	Yes	Yes
8/05/2019	15163938	23503732	78 East St	Pukekohe	N/A	L1	133	Rags	0	No	No	Yes
20/05/2019	15197112	23501282	Station Rd	Pukekohe	N/A	L1	85	Fat	0	No	No	Yes
10/06/2019	15248502	23500296	76 Kayes Rd	Pukekohe	N/A	L1	173	Unknown	0.5	No	No	Yes
14/06/2019	15261799	23504467	Stockyard Cres	Pukekohe	N/A	L1	231	Rubbish	0.5	No	No	Yes
20/06/2019	15277833	23503109	92 Beatty Rd	Pukekohe	N/A	L1	170	Unknown	2	No	No	Yes

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

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
16/09/2018	14592597	51123212	17 Reserva Cres	Huapai	N/A	L1	145	Broken pipe	0	No	No	Yes
30/09/2018	14627333	50213465	9 Will St	Huapai	N/A	L1	64	Broken pipe	0	No	No	Yes
17/10/2018	14674864	51122935	7 Sauterne Rd	Huapai	N/A	L1	1129	Broken pipe	0.2	No	No	Yes
23/10/2018	14686318	50054430	50 Gilbransen Rd	Huapai	N/A	L1	1234	Broken pipe	0	No	No	Yes
24/10/2018	14690062	51122810	8 Verdot Cl	Huapai	N/A	L1	236	Broken pipe	0	No	No	Yes
26/10/2018	14698632	50213500	6 Josh Rd	Huapai	0.25	L2	140	Broken pipe	2.8	No	No	Yes
29/10/2018	14704653	50213499	6 Josh Rd	Huapai	N/A	L1	103	Broken pipe	21.6	No	No	Yes
13/12/2018	14820929	50194905	35 Ara Kakara Ave	Huapai	N/A	L1	218	Power Failure	0	No	No	Yes
7/01/2019	14860273	50504622	78 Riverhead Point Dr	Riverhead	N/A	L1	298	Broken pipe	0	No	No	Yes
25/02/2019	14977491	51176034	13-17 Lumbarda Dr	Huapai	1	L2	214	Unknown	0	No	No	Yes
26/02/2019	14981297	51136865	6 Tarras Rd	Huapai	N/A	L1	288	Unknown	0	No	No	Yes
1/03/2019	14992591	51136845	6 Vinistra Rd	Huapai	N/A	L1	463	Unknown	0	No	No	Yes
2/03/2019	14993435	51176040	27 Lumbarda Dr	Huapai	N/A	L1	89	Broken pipe	0	No	No	Yes
3/03/2019	14994660	51176147	67 Nobilo Rd	Huapai	N/A	L1	212	Broken pipe	0	No	No	Yes
3/03/2019	14994866	51175986	6 Vinistra Rd	Huapai	N/A	L1	132	Unknown	0	No	No	Yes
9/04/2019	15093027	50055306	85 Station Rd	Huapai	N/A	L1	157	3rd party damage	0	No	No	Yes

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

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
1/07/2018	14403135	8963707	5 Wrights Spur	Mt Eden	N/A	L1	82	Unknown	7.5	No	No	Yes
2/07/2018	14404827	8993824	1189 New North Rd	Mt Albert	N/A	L1	137	Unknown	2	No	No	Yes
3/07/2018	14409298	8963586	290- Mt Eden Rd	Mt Eden	N/A	L1	368	Rags	0.5	No	No	Yes
3/07/2018	14409748	9006066	4 Batkin Rd	New Windsor	N/A	L1	87	Rags	0.5	No	No	Yes
4/07/2018	14410335	8992416	27 Sanft Ave	Mt Roskill	N/A	L1	157	Rubbish	2.5	No	No	Yes
5/07/2018	14413608	8984314	65A Calgary St	Balmoral	N/A	L1	49	Rubbish	0	No	No	Yes
5/07/2018	14414548	8803840	8 Novar Pl	Mt Albert	N/A	L1	1132	Broken Pipe	0	No	No	Yes
5/07/2018	14414765	8788635	54 Mt Eden Rd	Mt Eden	N/A	L1	1106	Rubbish	0	No	No	Yes
7/07/2018	14419014	8981962	8 Brewster Ave	St Lukes	N/A	L1	1370	Foreign Object	0	No	No	Yes
9/07/2018	14420259	8992226	1343A Dominion Rd-X	Mt Roskill	N/A	L1	66	Fat	4.5	No	No	Yes
10/07/2018	14423565	8990949	30 Eaton Rd	Hillsborough	N/A	L1	108	Roots	6	No	No	Yes
10/07/2018	14425380	8823696	3 Temuka Gardens	Avondale	N/A	L1	1038	Roots	6	No	No	Yes
12/07/2018	14430409	8993828	1159 New North Rd	Mt Albert	N/A	L1	176	Unknown	0.5	No	No	Yes
13/07/2018	14433418	8992838	190 Stoddard Rd	Mt Roskill	-	L2	172	Fat	0	No	No	Yes
15/07/2018	14435425	8787227	30 Wingate St	Avondale	N/A	L1	368	Unknown	52.5	No	No	Yes
15/07/2018	14435429	8992275	1512 Dominion Rd-X	Mt Roskill	N/A	L1	71	Rubbish	52.5	No	No	Yes
15/07/2018	14435868	8810070	13 Mt Roskill Rd	Mt Roskill	N/A	L1	1138	Surcharging	52.5	No	No	Yes
16/07/2018	14436889	8822789	43 Dundale Ave	Blockhouse Bay	N/A	L1	433	Surcharging	1	No	No	Yes
17/07/2018	14441253	8992571	Richardson Rd	Mt Roskill	N/A	L1	176	Rubbish	0.5	No	No	Yes
19/07/2018	14446659	9007197	25 Miranda St	Avondale	N/A	L1	140	Fat	1	No	No	Yes
19/07/2018	14448500	9005573	77A John Davis Rd	Mt Roskill	N/A	L1	111	Rags	1	No	No	Yes
20/07/2018	14450623	8983585	5 Mccullough Ave	Three Kings	N/A	L1	385	Rubbish	0.5	No	No	Yes
21/07/2018	14451969	9005146	8 O'Casey Pl	Mt Roskill	N/A	L1	143	Roots	0	No	No	Yes
21/07/2018	14452032	9006443	34 Mulgan St	New Windsor	N/A	L1	223	Roots	0	No	No	Yes
22/07/2018	14452434	8963879	2157B Great North Rd	Avondale	N/A	L1	116	Fat	7.5	No	No	Yes
24/07/2018	14457587	8989077	West St	Newton	N/A	L1	298	Roots	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/07/2018	14461761	9006558	11 Jamaica Pl	Blockhouse Bay	N/A	L1	197	Rags	1.5	No	No	Yes
25/07/2018	14461785	8991731	27 Sanft Ave	Mt Roskill	N/A	L1	111	Fat	1.5	No	No	Yes
25/07/2018	14462785	8964626	2163 Great North Rd	Avondale	N/A	L1	88	Silts	1.5	No	No	Yes
26/07/2018	14464584	9006455	52 Mulgan St	New Windsor	N/A	L1	159	Roots	0.5	No	No	Yes
26/07/2018	14465214	8987493	9 Partridge St	Grey Lynn	N/A	L1	73	Fat	0.5	No	No	Yes
26/07/2018	14466012	8806880	8 Newton Rd	Newton	N/A	L1	312	Foreign Object	0.5	No	No	Yes
26/07/2018	14466093	8963865	2-48 Ash St	Avondale	N/A	L1	184	Fat	0.5	No	No	Yes
26/07/2018	14466417	8964352	43 Wingate St	Avondale	N/A	L1	235	Unknown	0.5	No	No	Yes
26/07/2018	14466708	8983192	11 Mcdonald St	Kingsland	N/A	L1	851	Fat	0.5	No	No	Yes
27/07/2018	14467573	9007774	Brabham Pl	Avondale	N/A	L1	143	Rubbish	4	No	No	Yes
27/07/2018	14468234	8984228	1 Patterson St	Sandringham	N/A	L1	156	Fat	4	No	No	Yes
28/07/2018	14470441	8964037	27A Glendon Ave	Avondale	N/A	L1	1102	Roots	2.5	No	No	Yes
1/08/2018	14479567	8986571	8 Prospect Tce	Mt Eden	N/A	L1	135	Unknown	0	No	No	Yes
1/08/2018	14479613	9007541	21 Hertford St	Avondale	N/A	L1	239	Rubbish	0	No	No	Yes
2/08/2018	14483938	9249551	78 Ivanhoe Rd	Grey Lynn	N/A	L1	102	Fat	0.5	No	No	Yes
4/08/2018	14489529	9226051	22 Sefton Ave	Grey Lynn	N/A	L1	171	Unknown	0.5	No	No	Yes
5/08/2018	14490044	8963859	43 Wingate St	Avondale	N/A	L1	106	Rubbish	2	No	No	Yes
6/08/2018	14491902	8991993	740 Sandringham Rd-X	Mt Roskill	N/A	L1	110	Fat	0	No	No	Yes
6/08/2018	14491942	9249705	251 Blockhouse Bay Rd	Avondale	N/A	L1	169	Roots	0	No	No	Yes
6/08/2018	14492585	9005304	28 Katavich Pl	Mt Roskill	N/A	L1	1280	Roots	0	No	No	Yes
7/08/2018	14494334	8992512	5 Marion Ave	Mt Roskill	N/A	L1	82	Unknown	0	No	No	Yes
7/08/2018	14494556	8992005	740 Sandringham Rd-X	Mt Roskill	N/A	L1	51	Unknown	0	No	No	Yes
7/08/2018	14495886	8963871	47 Wingate St	Avondale	N/A	L1	176	Silts	0	No	No	Yes
7/08/2018	14496641	8897107	3 Coronation Rd	Epsom	N/A	L1	54	3rd party damage	0	No	No	Yes
8/08/2018	14499074	9002078	Lv1/503 Mt Albert Rd	Three Kings	N/A	L1	60	Fat	8	No	No	Yes
8/08/2018	14499374	8991730	52 Sanft Ave	Mt Roskill	N/A	L1	94	Broken pipe	8	No	No	Yes
8/08/2018	14499688	8992323	2/36 Stoddard Rd	Mt Roskill	N/A	L1	96	Fat	8	No	No	Yes
9/08/2018	14501243	9210770	251 Blockhouse Bay Rd	Avondale	N/A	L1	86	Fat	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
9/08/2018	14501350	8992365	54 Stoddard Rd	Mt Roskill	-	L3	257	Fat	0	Yes	Yes	Yes
9/08/2018	14501780	8992365	34C Stoddard Rd	Mt Roskill	N/A	L1	158	Fat	0	No	No	Yes
9/08/2018	14501826	8804496	41 Paice Ave	Mt Eden	N/A	L1	176	Roots	0	No	No	Yes
9/08/2018	14502743	9007545	7 Holbrook St	Avondale	N/A	L1	166	Unknown	0	No	No	Yes
9/08/2018	14503028	9227491	4 Miranda St	Avondale	-	L2	100	Rags	0	No	No	Yes
10/08/2018	14504461	8810218	1 Balfron Ave	Mt Roskill	N/A	L1	63	Fat	0	No	No	Yes
10/08/2018	14506004	8992421	1A Balfron Ave	Mt Roskill	N/A	L1	182	Rags	0	No	No	Yes
13/08/2018	14508199	8992323	34C Stoddard Rd	Mt Roskill	-	L2	180	Fat	9	No	No	Yes
13/08/2018	14509981	8992378	54 Stoddard Rd	Mt Roskill	-	L2	87	Fat	9	No	No	Yes
15/08/2018	14516527	9226148	9 Upper Queen St	Newton	-	L3	200	Fat	3.5	Yes	Yes	Yes
16/08/2018	14519468	8987961	68 Tuarangi Rd	Grey Lynn	N/A	L1	81	Silts	0	No	No	Yes
17/08/2018	14521027	8984319	4 Louvain Ave	Three Kings	N/A	L1	75	Fat	12	No	No	Yes
17/08/2018	14521179	8982308	41 Paice Ave	Mt Eden	N/A	L1	322	Broken pipe	12	No	No	Yes
17/08/2018	14522732	8964892	25B Beatrix St	Avondale	N/A	L1	119	Unknown	12	No	No	Yes
19/08/2018	14524133	9006826	167 Whitney St	Blockhouse Bay	-	L2	141	Rubbish	0	No	No	Yes
19/08/2018	14524353	9007343	19 Dundale Ave	Blockhouse Bay	N/A	L1	282	Fat	0	No	No	Yes
20/08/2018	14525672	8803788	41 Riro St	Pt Chevalier	N/A	L1	24	3rd party damage	3.5	No	No	Yes
20/08/2018	14526480	8983742	19 Eldon Rd	Balmoral	N/A	L1	286	Broken pipe	3.5	No	No	Yes
23/08/2018	14536154	9007614	322 Blockhouse Bay Rd	Avondale	N/A	L1	113	Fat	3	No	No	Yes
24/08/2018	14538052	8987961	68 Tuarangi Rd	Grey Lynn	N/A	L1	213	Rags	2.5	No	No	Yes
24/08/2018	14539017	9249733	Roseman Ave	Mt Roskill	N/A	L1	65	Roots	2.5	No	No	Yes
24/08/2018	14539149	8987914	2 Wexford Rd	Grey Lynn	N/A	L1	229	Rags	2.5	No	No	Yes
26/08/2018	14540835	8987964	805 Great North Rd	Grey Lynn	3	L3	1161	Surcharging	0.5	Yes	Yes	Yes
27/08/2018	14542600	9007711	1 Margate Rd	Blockhouse Bay	N/A	L1	121	Rags	0	No	No	Yes
28/08/2018	14546773	8993469	26 Pickens Cres	Mt Albert	N/A	L1	1359	Broken pipe	0	No	No	Yes
29/08/2018	14548743	8992654	21 O'Donnell Ave	Owairaka	N/A	L1	127	Surcharging	26	No	No	Yes
29/08/2018	14548840	8993115	26 Westminster St	New Windsor	N/A	L1	187	Surcharging	26	No	No	Yes
29/08/2018	14548898	50087793	26 Whitmore Rd	Mt Roskill	N/A	L1	79	Surcharging	26	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
30/08/2018	14552054	8987914	68 Tuarangi Rd	Grey Lynn	N/A	L1	138	Fat	0.5	No	No	Yes
30/08/2018	14552089	8986327	4 Woodside Rd	Mt Eden	N/A	L1	95	Roots	0.5	No	No	Yes
30/08/2018	14553030	8992838	194A Stoddard Rd	Mt Roskill	N/A	L1	187	Fat	0.5	No	No	Yes
30/08/2018	14553337	8987961	2 Wexford Rd	Grey Lynn	N/A	L1	177	Silts	0.5	No	No	Yes
31/08/2018	14556065	9005094	103 White Swan Rd	Mt Roskill	N/A	L1	98	Unknown	0	No	No	Yes
3/09/2018	14560497	9005093	103 White Swan Rd	Mt Roskill	N/A	L1	74	Fat	2	No	No	Yes
3/09/2018	14560559	9005093	30 Whitmore Rd	Mt Roskill	N/A	L1	136	Surcharging	2	No	No	Yes
6/09/2018	14568674	9006558	26 Jamaica Pl	Blockhouse Bay	N/A	L1	78	Broken pipe	8.5	No	No	Yes
7/09/2018	14572390	9006698	9 Trinidad St	Blockhouse Bay	N/A	L1	108	Roots	0	No	No	Yes
8/09/2018	14573720	9003720	35 Waterbank Cres	Waterview	N/A	L1	87	Unknown	0	No	No	Yes
9/09/2018	14574219	8991731	52 Sanft Ave	Mt Roskill	N/A	L1	139	Unknown	0	No	No	Yes
9/09/2018	14574378	9003722	71 Herdman St	Waterview	N/A	L1	70	Roots	0	No	No	Yes
10/09/2018	14577281	9242131	22 Third Ave	Kingsland	N/A	L1	83	Broken pipe	0	No	No	Yes
13/09/2018	14586566	8986050	275 Mt Eden Rd	Mt Eden	N/A	L1	102	Rubbish	0	No	No	Yes
13/09/2018	14586715	8992409	41 Freeland Ave	Mt Roskill	3	L2	162	Unknown	0	No	No	Yes
15/09/2018	14591791	8992522	490 Richardson Rd	Mt Roskill	N/A	L1	66	Rags	0	No	No	Yes
18/09/2018	14597543	9051350	43 Formby Ave	Pt Chevalier	N/A	L1	100	Unknown	8.5	No	No	Yes
18/09/2018	14598943	8993143	12 Dickey St	New Windsor	N/A	L1	79	Unknown	8.5	No	No	Yes
18/09/2018	14599393	8986307	55 Balmoral Rd	Mt Eden	N/A	L1	158	Foreign Object	8.5	No	No	Yes
20/09/2018	14603786	9007358	103 Whitney St	New Windsor	N/A	L1	80	Foreign Object	0	No	No	Yes
20/09/2018	14603865	8992840	194A Stoddard Rd	Mt Roskill	N/A	L1	142	Fat	0	No	No	Yes
20/09/2018	14604264	8991903	1 Christie St	Mt Roskill	N/A	L1	211	Fat	0	No	No	Yes
20/09/2018	14604284	9006578	142 Boundary Rd	Blockhouse Bay	N/A	L1	354	Fat	0	No	No	Yes
21/09/2018	14607863	8982858	C/283- Dominion Rd	Mt Eden	N/A	L1	81	Unknown	0	No	No	Yes
21/09/2018	14608588	9226086	96 Surrey Cres	Grey Lynn	N/A	L1	155	Roots	0	No	No	Yes
22/09/2018	14609628	9005878	5A Marconi Pl	New Windsor	N/A	L1	61	Fat	0	No	No	Yes
24/09/2018	14613189	8991747	30 Milliken Ave	Mt Roskill	N/A	L1	148	Rubbish	6.5	No	No	Yes
24/09/2018	14613481	9051350	43 Formby Ave	Pt Chevalier	N/A	L1	271	Broken pipe	6.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
29/09/2018	14626931	8984735	2/83 Asquith Ave	St Lukes	N/A	L1	372	Roots	0	No	No	Yes
1/10/2018	14628381	8983532	560 Mt Albert Rd	Three Kings	N/A	L1	113	Rubbish	0	No	No	Yes
2/10/2018	14631605	8963868	10/11 Arran St	Avondale	N/A	L1	113	Fat	3.5	No	No	Yes
2/10/2018	14632499	8786883	2123 Great North Rd	Avondale	N/A	L1	116	Fat	3.5	No	No	Yes
3/10/2018	14635078	8966002	11 Water St	Mt Eden	N/A	L1	596	Foreign Object	0	No	No	Yes
3/10/2018	14637049	8982717	165 Balmoral Rd	Mt Eden	N/A	L1	613	Rubbish	0	No	No	Yes
6/10/2018	14643247	9006333	1/37 Kimber Hall Ave	Mt Roskill	N/A	L1	1394	Roots	0	No	No	Yes
6/10/2018	14643566	9242094	58 First Ave	Kingsland	N/A	L1	280	Unknown	0	No	No	Yes
10/10/2018	14655213	8990965	43 Dornwell Rd	Three Kings	N/A	L1	116	Fat	0	No	No	Yes
12/10/2018	14660198	8984532	296 Mt Albert Rd	Sandringham	N/A	L1	170	Fat	5.5	No	No	Yes
12/10/2018	14662413	8982078	12 Pasadena Ave	Pt Chevalier	N/A	L1	152	Roots	5.5	No	No	Yes
15/10/2018	14667159	8809035	750 Sandringham Rd-X	Mt Roskill	N/A	L1	132	Rubbish	0	No	No	Yes
16/10/2018	14670107	50194834	4A Christie St	Mt Roskill	N/A	L1	566	Unknown	0	No	No	Yes
16/10/2018	14670623	8985201	1/41 Kingsway Ave	Sandringham	N/A	L1	104	Roots	0	No	No	Yes
16/10/2018	14671805	8963461	22 Pinewood St	Avondale	N/A	L1	691	Broken Pipe	0	No	No	Yes
17/10/2018	14672821	9011264	53 Waterbank Cres	Waterview	N/A	L1	172	Broken pipe	0	No	No	Yes
17/10/2018	14673456	9006133	36 Fairway Dr	Mt Roskill	N/A	L1	107	Fat	0	No	No	Yes
17/10/2018	14674927	8993511	109 Richardson Rd	Owairaka	N/A	L1	84	Rubbish	0	No	No	Yes
19/10/2018	14679846	5336246	22 Pinewood St	Avondale	N/A	L1	553	Broken pipe	0	No	No	Yes
21/10/2018	14683267	8982144	71A Moa Rd	Pt Chevalier	-	L2	132	Fat	0	No	No	Yes
23/10/2018	14686587	8982112	73 Premier Ave	Pt Chevalier	N/A	L1	147	Unknown	0	No	No	Yes
24/10/2018	14690539	9249733	46A Roseman Ave	Mt Roskill	N/A	L1	203	Fat	0	No	No	Yes
24/10/2018	14691014	8984997	152 Pt Chevalier Rd	Pt Chevalier	N/A	L1	96	Roots	0	No	No	Yes
25/10/2018	14692976	8991731	52 Sanft Ave	Mt Roskill	N/A	L1	145	Unknown	0	No	No	Yes
25/10/2018	14693395	8986124	8 Landscape Rd	Mt Eden	N/A	L1	452	Roots	0	No	No	Yes
25/10/2018	14693533	8993070	106 Owairaka Ave	Owairaka	N/A	L1	433	Roots	0	No	No	Yes
25/10/2018	14694356	8963582	288 Mt Eden Rd	Mt Eden	N/A	L1	271	Unknown	0	No	No	Yes
26/10/2018	14696147	8803342	23 Parau St	Three Kings	N/A	L1	82	Broken pipe	2	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
27/10/2018	14700230	8983013	90 Burnley Tce	Sandringham	N/A	L1	109	Fat	13	No	No	Yes
28/10/2018	14700435	8963581	278 Mt Eden Rd	Mt Eden	N/A	L1	155	Rags	1.5	No	No	Yes
30/10/2018	14708397	8964814	11 Robertson Rd	Avondale	N/A	L1	808	Broken pipe	10.5	No	No	Yes
31/10/2018	14711758	50087793	24 Whitmore Rd	Mt Roskill	N/A	L1	119	Unknown	0	No	No	Yes
3/11/2018	14719457	.	366 Mt Albert Rd	Mt Roskill	N/A	L1	136	Unknown	0	No	No	Yes
5/11/2018	14723587	9005670	26 Vivaldi Pl	Mt Roskill	N/A	L1	53	Rubbish	0	No	No	Yes
7/11/2018	14729405	8992438	41 Freeland Ave	Mt Roskill	N/A	L1	123	Rubbish	0	No	No	Yes
8/11/2018	14732159	8822059	White Swan Rd	Mt Roskill	N/A	L1	395	3rd party damage	0	No	No	Yes
8/11/2018	14733272	9007358	103 Whitney St	New Windsor	N/A	L1	98	Rubbish	0	No	No	Yes
8/11/2018	14733792	50475625	246B Blockhouse Bay Rd	Avondale	N/A	L1	97	Unknown	0	No	No	Yes
9/11/2018	14737087	9227461	1331 Dominion Rd-X	Mt Roskill	N/A	L1	119	Unknown	3	No	No	Yes
10/11/2018	14738117	9005339	39 Anita Ave	Mt Roskill	N/A	L1	852	Broken pipe	1	No	No	Yes
11/11/2018	14738506	8983228	2/44 Leslie Ave	Sandringham	N/A	L1	245	3rd party damage	7.5	No	No	Yes
12/11/2018	14739565	8964084	21A Edenvale Cres	Mt Eden	N/A	L1	99	Foreign Object	2	No	No	Yes
12/11/2018	14740028	8992438	33 Freeland Ave	Mt Roskill	1	L2	160	Unknown	2	No	No	Yes
12/11/2018	14740474	8985109	113 St Lukes Rd	Mt Albert	N/A	L1	134	Fat	2	No	No	Yes
12/11/2018	14741607	8986128	16 Ferryhill Rd	Epsom	N/A	L1	46	Rubbish	2	No	No	Yes
14/11/2018	14748565	8823224	457 Blockhouse Bay Rd	Blockhouse Bay	N/A	L1	75	Rubbish	0	No	No	Yes
15/11/2018	14749553	8964596	2165 Great North Rd	Avondale	N/A	L1	86	Rubbish	0	No	No	Yes
15/11/2018	14750718	8988370	1/30 Don Croot St	Western Springs	N/A	L1	115	Roots	0	No	No	Yes
18/11/2018	14756625	8804507	3 Wembley Rd	Mt Eden	N/A	L1	71	Rubbish	4.5	No	No	Yes
19/11/2018	14757922	8983742	19 Eldon Rd	Balmoral	N/A	L1	92	Broken pipe	1.5	No	No	Yes
19/11/2018	14758473	8984627	4 Kowhai St	Kingsland	N/A	L1	133	Silts	1.5	No	No	Yes
19/11/2018	14759030	9007198	32 Miranda St	Avondale	N/A	L1	83	Unknown	1.5	No	No	Yes
19/11/2018	14759865	8986115	182 St Andrews Rd	Epsom	N/A	L1	64	Roots	1.5	No	No	Yes
19/11/2018	14759910	9242005	470 New North Rd	Kingsland	N/A	L1	147	Unknown	1.5	No	No	Yes
21/11/2018	14766577	8993401	25 Mt Royal Ave	Mt Albert	N/A	L1	79	Roots	8	No	No	Yes
24/11/2018	14772788	8810094	377 Mt Albert Rd	Mt Roskill	N/A	L1	170	Rubbish	20	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/11/2018	14773508	9249733	Wtr/1109 Dominion Rd	Mt Roskill	N/A	L1	1239	Rubbish	21	No	No	Yes
25/11/2018	14773672	8985651	4 Ferner Ave	Mt Albert	N/A	L1	143	Unknown	21	No	No	Yes
25/11/2018	14773698	8987673	30 Commercial Rd	Grey Lynn	N/A	L1	219	Broken pipe	21	No	No	Yes
26/11/2018	14774956	8964417	41 Alanbrooke Cres	Avondale	N/A	L1	71	Rubbish	6.5	No	No	Yes
26/11/2018	14775461	8992421	1A Balfron Ave	Mt Roskill	N/A	L1	81	Fat	6.5	No	No	Yes
26/11/2018	14777111	8985684	14A Allendale Rd	Mt Albert	N/A	L1	298	Fat	6.5	No	No	Yes
28/11/2018	14783148	8964287	1/7 Barrhead Pl	Avondale	N/A	L1	266	Roots	0	No	No	Yes
29/11/2018	14786149	8823058	17 Dundale Ave	Blockhouse Bay	N/A	L1	105	Roots	0	No	No	Yes
2/12/2018	14791240	8992413	10 Freeland Ave	Mt Roskill	N/A	L1	90	Fat	0	No	No	Yes
2/12/2018	14791353	9005857	85 John Davis Rd	Mt Roskill	N/A	L1	116	Fat	0	No	No	Yes
2/12/2018	14791583	8984994	74 Huia Rd	Pt Chevalier	N/A	L1	114	Rags	0	No	No	Yes
4/12/2018	14796818	8991731	52 Sanft Ave	Mt Roskill	N/A	L1	85	Surcharging	7	No	No	Yes
5/12/2018	14798889	8992411	8 Freeland Ave	Mt Roskill	N/A	L1	91	Surcharging	4	No	No	Yes
5/12/2018	14799753	8991042	4/98 Melrose Rd	Mt Roskill	N/A	L1	200	Fat	4	No	No	Yes
5/12/2018	14800951	8992437	Freeland Ave	Mt Roskill	N/A	L1	204	Unknown	4	No	No	Yes
6/12/2018	14802074	9007478	103 Whitney St	New Windsor	N/A	L1	144	Foreign Object	7	No	No	Yes
8/12/2018	14807468	8993601	167 Carrington Rd	Mt Albert	N/A	L1	324	Roots	0	No	No	Yes
8/12/2018	14807636	8992421	1A Balfron Ave	Mt Roskill	N/A	L1	122	3rd party damage	0	No	No	Yes
9/12/2018	14808378	8992421	1A Balfron Ave	Mt Roskill	N/A	L1	91	Fat	0	No	No	Yes
9/12/2018	14808628	8964798	4 Robertson Rd	Avondale	N/A	L1	186	Rubbish	0	No	No	Yes
12/12/2018	14817960	8986068	34A Bellevue Rd	Mt Eden	N/A	L1	74	Roots	0.5	No	No	Yes
16/12/2018	14825216	8984890	3/21 Walmer Rd	Pt Chevalier	N/A	L1	100	Fat	2.5	No	No	Yes
21/12/2018	14840300	8986127	26 Morvern Rd	Epsom	N/A	L1	87	Unknown	1	No	No	Yes
22/12/2018	14841026	9247541	24 St Benedicts St	Newton	N/A	L1	112	Unknown	0.5	No	No	Yes
22/12/2018	14841050	9006460	50 Mary Dreaver St	New Windsor	N/A	L1	109	Fat	0.5	No	No	Yes
22/12/2018	14841194	8986169	28-32 Atkinson Ave	Otahuhu	N/A	L1	221	Rubbish	0.5	No	No	Yes
22/12/2018	14841445	9003722	69 Herdman St	Waterview	N/A	L1	104	Unknown	0.5	No	No	Yes
24/12/2018	14844386	8823058	17 Dundale Ave	Blockhouse Bay	N/A	L1	106	Surcharging	69	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/12/2018	14844523	8992322	38 Stoddard Rd	Mt Roskill	N/A	L1	112	Surcharging	11.5	No	No	Yes
25/12/2018	14844672	8992411	8 Freeland Ave	Mt Roskill	N/A	L1	139	Unknown	11.5	No	No	Yes
26/12/2018	14845037	9007763	3 Brabham Pl	Avondale	N/A	L1	163	Unknown	1.5	No	No	Yes
27/12/2018	14845592	8990998	1/49 Carr Rd	Mt Roskill	N/A	L1	138	Rubbish	0	No	No	Yes
27/12/2018	14847184	8992322	38 Stoddard Rd	Mt Roskill	N/A	L1	131	Fat	0	No	No	Yes
29/12/2018	14850134	8812111	171 Hendon Ave	Owairaka	N/A	L1	102	Unknown	0	No	No	Yes
3/01/2019	14854735	8983230	2/44 Leslie Ave	Sandringham	N/A	L1	171	Broken pipe	0	No	No	Yes
3/01/2019	14856120	8991512	13 Halleys Pl	Mt Roskill	N/A	L1	177	Unknown	0	No	No	Yes
7/01/2019	14860925	9006068	107 New Windsor Rd	New Windsor	N/A	L1	92	Unknown	0	No	No	Yes
7/01/2019	14861053	50178215	2/390B Richardson Rd	Mt Roskill	N/A	L1	117	Roots	0	No	No	Yes
7/01/2019	14862597	9006323	42 Battersby Ave	Mt Roskill	N/A	L1	81	Unknown	0	No	No	Yes
8/01/2019	14865535	8990585	2/281 Hillsborough Rd	Mt Roskill	N/A	L1	138	Unknown	5	No	No	Yes
11/01/2019	14874200	9005157	493 Hillsborough Rd	Mt Roskill	N/A	L1	844	Roots	0	No	No	Yes
14/01/2019	14877582	8983235	13 Morningside Dr	St Lukes	N/A	L1	384	Rags	16	No	No	Yes
14/01/2019	14878652	9005576	87 John Davis Rd	Mt Roskill	N/A	L1	175	Fat	16	No	No	Yes
15/01/2019	14881151	8991726	1422 Dominion Rd	Mt Roskill	N/A	L1	108	Roots	1.5	No	No	Yes
17/01/2019	14887046	8986155	443 Mt Eden Rd	Mt Eden	N/A	L1	54	Fat	0	No	No	Yes
18/01/2019	14888466	8991723	1420 Dominion Rd	Mt Roskill	N/A	L1	121	Unknown	0	No	No	Yes
19/01/2019	14891611	8993793	20 Waterview Dn	Waterview	N/A	L1	36	Unknown	0	No	No	Yes
21/01/2019	14894765	8991493	10 Halleys Pl	Mt Roskill	N/A	L1	132	Roots	0	No	No	Yes
22/01/2019	14897097	9006364	7 Kimber Hall Ave	Mt Roskill	N/A	L1	144	Roots	0	No	No	Yes
22/01/2019	14897110	8986522	8 Prospect Tce	Mt Eden	N/A	L1	139	Rags	0	No	No	Yes
24/01/2019	14903770	8964853	24 Fairlands Ave	Waterview	N/A	L1	84	Fat	6.5	No	No	Yes
24/01/2019	14905088	8805992	40 Lloyd Ave	Mt Albert	N/A	L1	101	Fat	6.5	No	No	Yes
26/01/2019	14909344	9049137	25 Hira Way	Hillsborough	N/A	L1	223	Broken pipe	0	No	No	Yes
28/01/2019	14910657	8984783	22 Margaret Ave	Mt Albert	N/A	L1	160	Roots	1.5	No	No	Yes
30/01/2019	14917678	9007289	30 Peter Buck Rd	New Windsor	N/A	L1	731	Unknown	0	No	No	Yes
31/01/2019	14919781	8810421	35A Somerset Rd	Mt Roskill	N/A	L1	65	Unknown	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
31/01/2019	14920419	9005798	7 Marshall Laing Ave	Mt Roskill	N/A	L1	249	Unknown	0	No	No	Yes
1/02/2019	14923459	8992522	490 Richardson Rd	Mt Roskill	N/A	L1	858	Rags	2.5	No	No	Yes
2/02/2019	14924568	8984308	67 Lambeth Rd	Sandringham	N/A	L1	1284	Rags	0	No	No	Yes
3/02/2019	14924874	8992453	14A Marion Ave	Mt Roskill	N/A	L1	58	Unknown	0	No	No	Yes
4/02/2019	14928084	5363586	10 Bright St	Eden Terrace	N/A	L1	86	Broken pipe	0	No	No	Yes
5/02/2019	14930825	8810220	2 Sanft Ave	Mt Roskill	N/A	L1	1237	Broken pipe	0	No	No	Yes
7/02/2019	14935109	8802676	91 Onslow Ave	Epsom	N/A	L1	78	Roots	0	No	No	Yes
8/02/2019	14936851	8993601	167 Carrington Rd	Mt Albert	N/A	L1	215	Unknown	0	No	No	Yes
8/02/2019	14937773	8966992	14 Dignan St	Pt Chevalier	N/A	L1	103	Unknown	0	No	No	Yes
9/02/2019	14939225	8786932	16 Alanbrooke Cres	Avondale	N/A	L1	118	Unknown	0	No	No	Yes
10/02/2019	14940842	8967185	115 Walker Rd	Pt Chevalier	N/A	L1	119	Fat	0	No	No	Yes
11/02/2019	14942206	8984278	26 Foch Ave	Three Kings	N/A	L1	223	Unknown	0	No	No	Yes
12/02/2019	14946077	9051353	33 Smale St	Pt Chevalier	N/A	L1	85	Roots	0	No	No	Yes
14/02/2019	14953440	5366099	173B Landscape Rd	Mt Eden	N/A	L1	108	Broken Pipe	0	No	No	Yes
14/02/2019	14953610	8992021	8 Rogan St	Hillsborough	N/A	L1	182	Unknown	0	No	No	Yes
15/02/2019	14955791	8788741	5 Wrights Spur	Mt Eden	N/A	L1	196	Fat	0	No	No	Yes
15/02/2019	14956624	9252621	128B Balmoral Rd	Mt Eden	N/A	L1	362	Rubbish	0	No	No	Yes
16/02/2019	14957911	9006076	3A Fairway Dr	Mt Roskill	-	L2	169	Unknown	0	No	No	Yes
17/02/2019	14958771	8987603	42A Keppell St	Grey Lynn	N/A	L1	250	Roots	0	No	No	Yes
18/02/2019	14960662	8987493	9 Partridge St	Grey Lynn	N/A	L1	330	Fat	2.5	No	No	Yes
18/02/2019	14961771	9006165	78 Webster Ave	Mt Roskill	N/A	L1	176	Roots	2.5	No	No	Yes
19/02/2019	14963545	9225897	7 Bond St	Grey Lynn	N/A	L1	126	Unknown	0	No	No	Yes
19/02/2019	14964191	8985983	1A Fontenoy St	Mt Albert	N/A	L1	161	Unknown	0	No	No	Yes
22/02/2019	14973561	8787142	18 Elm St	Avondale	N/A	L1	101	Unknown	13.5	No	No	Yes
22/02/2019	14973817	9005906	65 John Davis Rd	Mt Roskill	N/A	L1		Unknown	13.5	No	No	Yes
23/02/2019	14975063	9006343	4 Kimber Hall Ave	Mt Roskill	N/A	L1	114	Roots	3	No	No	Yes
23/02/2019	14975556	8988910	1-5 Minnie St	Eden Terrace	N/A	L1	204	Rubbish	3	No	No	Yes
23/02/2019	14975704	8803993	8/53 Grange Rd	Mt Eden	N/A	L1	230	Unknown	3	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
23/02/2019	14976450	8795604	2 Robertson Rd	Avondale	N/A	L1	167	Roots	3	No	No	Yes
24/02/2019	14977261	50210796	2/44 Roseman Ave	Mt Roskill	N/A	L1	79	Rubbish	3	No	No	Yes
25/02/2019	14978173	8964798	2 Robertson Rd	Avondale	N/A	L1	116	Rubbish	0	No	No	Yes
25/02/2019	14978235	9005327	13 Anita Ave	Mt Roskill	N/A	L1	483	Unknown	0	No	No	Yes
25/02/2019	14978653	9006340	7 Landseer Pl	Mt Roskill	N/A	L1	146	Roots	0	No	No	Yes
26/02/2019	14981904	8985393	98 Haverstock Rd	Sandringham	N/A	L1	169	Foreign Object	0	No	No	Yes
28/02/2019	14990154	9007440	77A Tiverton Rd	New Windsor	N/A	L1	288	Broken pipe	0.5	No	No	Yes
2/03/2019	14994373	8992863	171 Hendon Ave	Owairaka	N/A	L1	155	Unknown	0	No	No	Yes
4/03/2019	14996825	8963617	54 Mt Eden Rd	Mt Eden	N/A	L1	120	Unknown	0	No	No	Yes
4/03/2019	14997053	8991446	10A Cullen Ave	Mt Roskill	N/A	L1	73	Unknown	0	No	No	Yes
4/03/2019	14997927	8787144	20 Wingate St	Avondale	-	L2	121	Fat	0	No	No	Yes
5/03/2019	14999719	8984038	32 Fearon Ave	Three Kings	N/A	L1	118	Unknown	0	No	No	Yes
6/03/2019	15002153	8994119	81A Carrington Rd	Mt Albert	-	L2	210	Unknown	0	No	No	Yes
7/03/2019	15006616	8987861	88 Ivanhoe Rd	Grey Lynn	N/A	L1	243	Rags	6	No	No	Yes
7/03/2019	15006638	9226386	10 Bright St	Eden Terrace	N/A	L1	216	Roots	6	No	No	Yes
7/03/2019	15008671	8992275	2/1516 Dominion Rd-X	Mt Roskill	-	L2	918	Unknown	6	No	No	Yes
9/03/2019	15013319	9003878	56A Oakley Ave	Waterview	N/A	L1	94	Unknown	21	No	No	Yes
10/03/2019	15013938	9006450	11 Ted William St	New Windsor	N/A	L1	121	Fat	0	No	No	Yes
14/03/2019	15024716	9006097	20 Boyce Ave	Mt Roskill	N/A	L1	390	Roots	0	No	No	Yes
15/03/2019	15028394	8786665	26 Maryland St	Pt Chevalier	N/A	L1	162	Unknown	0	No	No	Yes
15/03/2019	15028539	8984948	76 Kiwi Rd	Pt Chevalier	N/A	L1	199	3rd Party Damage	0	No	No	Yes
15/03/2019	15028652	8806790	19 Ruru St	Eden Terrace	N/A	L1	650	Rubbish	0	No	No	Yes
15/03/2019	15029263	8992322	40 Stoddard Rd	Mt Roskill	N/A	L1	194	Unknown	0	No	No	Yes
15/03/2019	15029348	9007802	32B Miranda St	Avondale	N/A	L3	225	Fat	0	Yes	Yes	Yes
16/03/2019	15030843	9023423	27 Littlejohn St	Hillsborough	N/A	L1	102	Unknown	0	No	No	Yes
17/03/2019	15031641	9006450	11 Ted William St	New Windsor	N/A	L1	85	Unknown	0	No	No	Yes
22/03/2019	15045035	8987493	Waima St	Grey Lynn	N/A	L1	45	Rags	0	No	No	Yes
23/03/2019	15048419	8983556	523 Mt Albert Rd	Three Kings	N/A	L1	168	Rubbish	0	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
25/03/2019	15052624	8988425	17 Mountain View Rd	Western Springs	N/A	L1	91	Roots	0	No	No	Yes
27/03/2019	15057332	8992813	36 Parkinson Ave	Owairaka	N/A	L1	93	Unknown	0	No	No	Yes
27/03/2019	15057528	8991465	24 Whitmore Rd	Mt Roskill	N/A	L1	26	Fat	0	No	No	Yes
28/03/2019	15062088	8987493	9 Partridge St	Grey Lynn	N/A	L1	459	Unknown	7	No	No	Yes
30/03/2019	15065365	9006364	7 Kimber Hall Ave	Mt Roskill	N/A	L1	1330	3rd party damage	0	No	No	Yes
31/03/2019	15066377	8822490	7 Kimber Hall Ave	Mt Roskill	N/A	L1	1342	3rd party damage	0	No	No	Yes
3/04/2019	15074590	8986191	63C Watling St	Mt Eden	N/A	L1	115	Unknown	0.5	No	No	Yes
4/04/2019	15079916	9023409	16A Fickling Ave	Hillsborough	N/A	L1	78	Fat	0	No	No	Yes
4/04/2019	15080019	9007344	19 Dundale Ave	Blockhouse Bay	N/A	L1	131	Unknown	0	No	No	Yes
5/04/2019	15082759	8982692	105 Grange Rd	Mt Eden	N/A	L1	137	Roots	0	No	No	Yes
8/04/2019	15086310	8988841	15 Ruru St	Eden Terrace	N/A	L1	267	3rd party damage	0	No	No	Yes
8/04/2019	15086837	8802853	8 Prospect Tce	Mt Eden	N/A	L1	267	Fat	0	No	No	Yes
8/04/2019	15087169	8994116	81A Carrington Rd	Mt Albert	N/A	L1	155	Foreign Object	0	No	No	Yes
8/04/2019	15088839	8983782	100 Marsden Ave	Balmoral	N/A	L1	113	Roots	0	No	No	Yes
9/04/2019	15091910	9007726	353 Blockhouse Bay Rd	Blockhouse Bay	N/A	L1	123	Roots	0	No	No	Yes
10/04/2019	15094434	9007501	92 Whitney St	New Windsor	N/A	L1	87	Fat	0	No	No	Yes
10/04/2019	15094691	8987493	9 Partridge St	Grey Lynn	N/A	L1	278	Unknown	0	No	No	Yes
12/04/2019	15101291	8991834	11A Mt Roskill Rd	Mt Roskill	N/A	L1	213	Roots	2	No	No	Yes
16/04/2019	15108956	8983782	100 Marsden Ave	Balmoral	N/A	L1	81	Foreign Object	0	No	No	Yes
16/04/2019	15109710	8970694	Poronui St	Mt Eden	N/A	L1	41	Roots	0	No	No	Yes
16/04/2019	15109763	8991499	14 Skipper Ave	Mt Roskill	N/A	L1	224	Fat	0	No	No	Yes
18/04/2019	15116411	8986522	10 Prospect Tce	Mt Eden	N/A	L1	43	Roots	0	No	No	Yes
19/04/2019	15119617	8986665	1/53 Grange Rd	Mt Eden	N/A	L1	220	Unknown	0	No	No	Yes
20/04/2019	15120465	9006946	21 Terry St	Blockhouse Bay	N/A	L1	85	Unknown	0	No	No	Yes
21/04/2019	15120994	8807374	1/30 Don Croot St	Western Springs	N/A	L1	126	Roots	0	No	No	Yes
21/04/2019	15121069	8984966	96 Pt Chevalier Rd	Pt Chevalier	N/A	L1	113	Unknown	0	No	No	Yes
23/04/2019	15125298	8991497	14 Skipper Ave	Mt Roskill	N/A	L1	341	Unknown	16	No	No	Yes
24/04/2019	15126194	8964596	2163 Great North Rd	Avondale	N/A	L1	91	Rubbish	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
24/04/2019	15127181	8991911	Roma Rd	Mt Roskill	N/A	L1	205	Unknown	0	No	No	Yes
27/04/2019	15132772	9007359	137 Whitney St	Blockhouse Bay	N/A	L1	100	Fat	0	No	No	Yes
27/04/2019	15133201	8992226	1343A Dominion Rd-X	Mt Roskill	N/A	L1	1329	Roots	0	No	No	Yes
29/04/2019	15136054	8809947	14 Skipper Ave	Mt Roskill	N/A	L1	56	Foreign Object	4	No	No	Yes
30/04/2019	15139642	8993460	67 Mt Royal Ave	Mt Albert	N/A	L1	171	Roots	0	No	No	Yes
1/05/2019	15141915	8994007	1288 New North Rd	Avondale	N/A	L1	149	Fat	0	No	No	Yes
2/05/2019	15146999	8820507	69 Herdman St	Waterview	N/A	L1	1220	Broken pipe	0	No	No	Yes
5/05/2019	15152886	8984179	28 Lancing Rd	Sandringham	N/A	L1	72	Unknown	0	No	No	Yes
6/05/2019	15154200	8985159	14 Kitenui Ave	Mt Albert	N/A	L1	67	Foreign Object	0	No	No	Yes
6/05/2019	15154264	8991789	373 Mt Albert Rd	Mt Roskill	N/A	L1	108	Fat	0	No	No	Yes
9/05/2019	15166294	8992469	41 Freeland Ave	Mt Roskill	N/A	L1	146	Fat	0	No	No	Yes
9/05/2019	15167478	8984279	2A Princes Ave	Three Kings	N/A	L1	1292	Unknown	0	No	No	Yes
10/05/2019	15169547	8964609	2157B Great North Rd	Avondale	N/A	L1	89	Rubbish	4.5	No	No	Yes
10/05/2019	15169640	9172560	238 Meola Rd	Pt Chevalier	N/A	L1	109	Roots	4.5	No	No	Yes
10/05/2019	15169673	8985059	268 Mt Albert Rd	Sandringham	N/A	L1	116	Unknown	4.5	No	No	Yes
10/05/2019	15169853	8984994	74 Huia Rd	Pt Chevalier	N/A	L1	228	Unknown	4.5	No	No	Yes
12/05/2019	15174961	8984994	74 Huia Rd	Pt Chevalier	N/A	L1	163	Roots	15	No	No	Yes
15/05/2019	15184670	8986538	465 Mt Eden Rd	Mt Eden	N/A	L1	113	Unknown	2.5	No	No	Yes
17/05/2019	15192546	8994093	8 Alford St	Waterview	N/A	L1	119	Fat	1	No	No	Yes
20/05/2019	15196431	8986115	184 St Andrews Rd	Epsom	N/A	L1	107	Roots	0	No	No	Yes
24/05/2019	15209603	8792412	23 Poronui St	Mt Eden	N/A	L1	61	Roots	0	No	No	Yes
26/05/2019	15212093	8986115	184 St Andrews Rd	Epsom	N/A	L1	164	Fat	0	No	No	Yes
26/05/2019	15212183	8990722	7 Currie Ave	Mt Roskill	N/A	L1	172	Fat	0	No	No	Yes
26/05/2019	15212210	8991512	30 Halleys Pl	Mt Roskill	N/A	L1	152	Unknown	0	No	No	Yes
27/05/2019	15213356	8963763	2/73 Blockhouse Bay Rd	Avondale	N/A	L1	185	Unknown	2.5	No	No	Yes
27/05/2019	15214712	8991285	13 Hillside Rd	Mt Wellington	N/A	L1	408	Fat	2.5	No	No	Yes
27/05/2019	15214881	9247627	57 Normanby Rd	Mt Eden	N/A	L1	250	Fat	2.5	No	No	Yes
27/05/2019	15214882	9003880	71 Alford St	Waterview	N/A	L1	127	Rags	2.5	No	No	Yes

Section Three
Version 1

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
28/05/2019	15217501	8988829	3 Flower St	Eden Terrace	N/A	L1	94	Silts	4.5	No	No	Yes
28/05/2019	15218040	8966002	11 Water St	Mt Eden	N/A	L1	764	Rags	4.5	No	No	Yes
29/05/2019	15221433	9007454	41A Bently Ave	New Windsor	N/A	L1	121	Unknown	4	No	No	Yes
29/05/2019	15221517	9051146	528 Pt Chevalier Rd	Pt Chevalier	N/A	L1	124	Fat	4	No	No	Yes
29/05/2019	15221979	9007257	4 Ochre Pl	Avondale	N/A	L1	134	Fat	4	No	No	Yes
31/05/2019	15227364	8826316	209A St Andrews Rd	Royal Oak	N/A	L1	97	Roots	25.5	No	No	Yes
31/05/2019	15227521	9007358	103 Whitney St	New Windsor	N/A	L1	91	Foreign Object	25.5	No	No	Yes
3/06/2019	15231069	8991487	31 Whitmore Rd	Mt Roskill	N/A	L1	246	Roots	0	No	No	Yes
4/06/2019	15233416	9005598	47B Webster Ave	Mt Roskill	-	L2	129	Fat	0	No	No	Yes
4/06/2019	15234105	9247566	136 New North Rd	Eden Terrace	N/A	L1	153	Rags	0	No	No	Yes
4/06/2019	15234106	8984279	2A Princes Ave	Three Kings	N/A	L1	1351	Fat	0	No	No	Yes
7/06/2019	15242225	8986187	St Leonards Rd	Mt Eden	N/A	L1	173	Roots	19.5	No	No	Yes
7/06/2019	15242705	8983256	21 Taylors Rd	St Lukes	N/A	L1	46	Unknown	19.5	No	No	Yes
8/06/2019	15244533	8986274	709 Mt Eden Rd	Mt Eden	N/A	L1	167	Rubbish	1	No	No	Yes
9/06/2019	15246533	.	57 Taylor St	Blockhouse Bay	N/A	L1	84	Rubbish	0	No	No	Yes
10/06/2019	15248547	8986307	628 Mt Eden Rd	Mt Eden	N/A	L1	806	Fat	0	No	No	Yes
10/06/2019	15249056	8963834	10A Geddes Tce	Avondale	N/A	L1	60	Unknown	0	No	No	Yes
10/06/2019	15249507	9005597	34A White Swan Rd	Mt Roskill	N/A	L1	345	Fat	0	No	No	Yes
11/06/2019	15252301	9006943	31-35 Terry St	Blockhouse Bay	-	L2	185	Unknown	0.5	No	No	Yes
12/06/2019	15254157	9172620	1/21 Ruarangi Rd	Mt Albert	N/A	L1	78	Unknown	0	No	No	Yes
12/06/2019	15255259	9005633	73A Webster Ave	Mt Roskill	N/A	L1	83	Unknown	0	No	No	Yes
13/06/2019	15257296	8991911	95-97 May Rd	Mt Roskill	N/A	L1	220	Rubbish	6.5	No	No	Yes
13/06/2019	15257701	9003797	59 Herdman St	Waterview	N/A	L1	77	Unknown	6.5	No	No	Yes
16/06/2019	15264670	9007522	34 Hertford St	Avondale	N/A	L1	201	Foreign Object	1	No	No	Yes
17/06/2019	15265999	8981982	3/47 Linwood Ave	Mt Albert	N/A	L1	270	Unknown	3	No	No	Yes
17/06/2019	15267200	8990722	7 Currie Ave	Mt Roskill	N/A	L1	195	Fat	3	No	No	Yes
19/06/2019	15272706	8992452	14A Marion Ave	Mt Roskill	N/A	L1	106	Rubbish	0	No	No	Yes
19/06/2019	15273744	8990722	7 Currie Ave	Mt Roskill	N/A	L1	60	Roots	0	No	No	Yes

Date	SR #	Compkey	Address	Suburb	Ammonia result 100m down stream	DWO Level	Duration in minutes	Cause	Rainfall	Public Health Risk	Ecological Risk	Containment
20/06/2019	15275641	8963629	27 Esplanade Rd	Mt Eden	N/A	L1	75	Roots	3.5	No	No	Yes
21/06/2019	15281401	9006462	60 Mary Dreaver St	New Windsor	N/A	L1	78	Roots	2	No	No	Yes
25/06/2019	15289505	8994007	1288 New North Rd	Avondale	N/A	L1	45	Rubbish	0	No	No	Yes
25/06/2019	15289734	8963841	7 Crayford St-W	Avondale	N/A	L1	76	Broken pipe	0	No	No	Yes
26/06/2019	15293834	9005798	7 Marshall Laing Ave	Mt Roskill	N/A	L1	766	Unknown	0.5	No	No	Yes
27/06/2019	15297677	8985908	22A Willcott St	Mt Albert	N/A	L1	75	Fat	0	No	No	Yes

APPENDIX 4: PLANNED FLUSHING SCHEDULE

Table 1: Central Region

Address	Suburb	Frequency (months)	Number of associated pipes
132 Customs St-W	Auckland Central	Monthly	1
85-89 Customs St-W	Auckland Central	Monthly	1
104 Customs St-W	Auckland Central	Monthly	1
103- Customs St-W	Auckland Central	Monthly	1
14-42 Market Pl	Auckland Central	Monthly	2
83-81 Customs St-W	Auckland Central	Monthly	1
196- Quay St	Auckland Central	Monthly	2
384 Riddell Rd	Glendowie	Monthly	1
1 Abidong Pl	Glendowie	Monthly	1
3 Abidong Pl	Glendowie	Monthly	1
116 Symonds St	Royal Oak	Monthly	1
122 Symonds St	Royal Oak	Monthly	1
53 Fort St	Auckland Central	2 Monthly	1
57 Fort St	Auckland Central	2 Monthly	1
95 Customs St	Auckland Central	2 Monthly	1
8 Sarsfield St	Herne Bay	2 Monthly	1
28 Sarsfield St	Herne Bay	2 Monthly	1
46 Warf Rd	Herne Bay	2 Monthly	1
12B Patteson Ave	Mission Bay	2 Monthly	1
12 Patteson Ave	Mission Bay	2 Monthly	1
14A Patteson Ave	Mission Bay	2 Monthly	1
2 Ronaki Rd	Mission Bay	2 Monthly	1
15 Patteson Ave	Mission Bay	2 Monthly	1
15 Marau Cres	Mission Bay	2 Monthly	1
2/16 Atkin Ave	Mission Bay	2 Monthly	1
35 Tamaki Dr	Mission Bay	2 Monthly	1
1/45 Tamaki Dr	Mission Bay	2 Monthly	1
4/2 Atkin Ave	Mission Bay	2 Monthly	1
59 Grampian Rd	St Heliers	2 Monthly	1
69 Grampian Rd	St Heliers	2 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
71 Grampian Rd	St Heliers	2 Monthly	1
77 Grampian Rd	St Heliers	2 Monthly	1
81 Grampian Rd	St Heliers	2 Monthly	1
104 Grampian Rd	St Heliers	2 Monthly	1
437 Tamaki Dr	St Heliers	2 Monthly	2
389 Tamaki Dr	St Heliers	2 Monthly	1
32 Tawariki St	Ponsonby	2 Monthly	3
3 Curlew Bay Rd	Otahuhu	2 Monthly	1
1 Deas Pl	Otahuhu	2 Monthly	1
92 Luke St-E	Otahuhu	2 Monthly	1
115 Luke St-E	Otahuhu	2 Monthly	2
101A Luke St-E	Otahuhu	2 Monthly	1
129C Luke St-E	Otahuhu	2 Monthly	2
131 Luke St-E	Otahuhu	2 Monthly	1
135 Luke St-E	Otahuhu	2 Monthly	1
78 Wolverton St	Avondale	2 Monthly	1
73 Wolverton St	Avondale	2 Monthly	1
41A Wright Rd	Pt Chevalier	2 Monthly	3
99 Quay St	Auckland Central	3 Monthly	2
113 Brighton Rd	Parnell	3 Monthly	1
107A Brighton Rd	Parnell	3 Monthly	2
9 Atkinson Ave	Otahuhu	3 Monthly	1
54 Hokonui Rd	Otahuhu	3 Monthly	1
25 Murdoch St	Otahuhu	3 Monthly	2
32 Murdoch St	Otahuhu	3 Monthly	2
4 Margate Rd	Blockhouse Bay	3 Monthly	1
2 Margate Rd	Blockhouse Bay	3 Monthly	1
333 Blockhouse Bay Rd	Blockhouse Bay	3 Monthly	1
4 Miranda St	Blockhouse Bay	3 Monthly	1
6 Miranda St	Blockhouse Bay	3 Monthly	1
8 Miranda St	Blockhouse Bay	3 Monthly	1
20 Miranda St	Blockhouse Bay	3 Monthly	1
26 Miranda St	Blockhouse Bay	3 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
2180 Great North Rd	Avondale	3 Monthly	2
30 Beresford SQ	Auckland Central	4 Monthly	1
22-32 Queen St	Auckland Central	4 Monthly	2
23 Customs St-E	Auckland Central	4 Monthly	1
12 Commerce St	Auckland Central	4 Monthly	1
41-51 Customs St-E	Auckland Central	4 Monthly	1
79 Customs St-E	Auckland Central	4 Monthly	1
1 Emily Pl	Auckland Central	4 Monthly	1
2 Emily Pl	Auckland Central	4 Monthly	1
11 Beach Rd	Auckland Central	4 Monthly	1
196- Quay St	Auckland Central	4 Monthly	2
188 Quay St	Auckland Central	4 Monthly	2
109- Quay St	Auckland Central	4 Monthly	2
1 Queen St	Auckland Central	4 Monthly	1
24 Wellesley St	24 Wellesley St - Civic	4 Monthly	1
2 Westhaven Dr	Auckland Central	4 Monthly	2
100 Beaumont St	Auckland Central	4 Monthly	3
6-20 Jellicoe St	Auckland Central	4 Monthly	2
1-17 Jellicoe St	Auckland Central	4 Monthly	1
28-36 Hamer St	Auckland Central	4 Monthly	1
15-17 Sturdee St	Auckland Central	4 Monthly	2
25 Teed St	Newmarket	4 Monthly	1
33 Vale Rd	St Heliers	4 Monthly	2
37 Vale Rd	St Heliers	4 Monthly	1
57 Rawhitiroa Rd	Kohimarama	4 Monthly	1
1 Hobson St	Auckland Central	4 Monthly	1
2-8 Nelson St	Auckland Central	4 Monthly	2
1 Nelson St	Auckland Central	4 Monthly	1
137 Victoria St-W	Auckland Central	4 Monthly	1
29 East St	Newton	4 Monthly	1
14 Parawai Cres	Ponsonby	4 Monthly	1
201 Riddell Rd	Glendowie	4 Monthly	2
17 Leonard Rd	Mt Wellington	4 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
14 Leonard Rd	Mt Wellington	4 Monthly	1
16 Leonard Rd	Mt Wellington	4 Monthly	2
624 Mt Wellington Highway	Mt Wellington	4 Monthly	3
8 Hillside Rd	Mt Wellington	4 Monthly	1
14 Hillside Rd	Mt Wellington	4 Monthly	1
15 Hillside Rd	Mt Wellington	4 Monthly	2
509- Ellerslie-Panmure Hwy	Mt Wellington	4 Monthly	1
24 Silverton Ave	Wai O Taiki Bay	4 Monthly	1
2-4 Castlewood Grv	New Lynn	4 Monthly	2
3-120 Bolton St	New Lynn	4 Monthly	1
58 Terry St	Blockhouse Bay	4 Monthly	1
24 William Denny Ave	Westmere	4 Monthly	2
41 Queensway	Three Kings	4 Monthly	1
80 Frank Grey Pl	Otahuhu	4 Monthly	3
82 Frank Grey Pl	Otahuhu	4 Monthly	3
86 Frank Grey Pl	Otahuhu	4 Monthly	1
10 Curlew Bay Rd	Otahuhu	4 Monthly	2
3 Curlew Bay Rd	Otahuhu	4 Monthly	2
56 Water St	Otahuhu	4 Monthly	1
28 Harmony Ave	Otahuhu	4 Monthly	1
26 Harmony Ave	Otahuhu	4 Monthly	1
507 Great South Rd	Otahuhu	4 Monthly	4
28 Alfred St	Onehunga	4 Monthly	2
587 Richardson Rd	Hillsbrough	4 Monthly	1
599 Richardson Rd	Hillsbrough	4 Monthly	1
54 Arundel St	Hillsbrough	4 Monthly	1
52 Arundel St	Hillsbrough	4 Monthly	1
51 Arundel St	Hillsbrough	4 Monthly	2
20 Gregory Pl	Hillsbrough	4 Monthly	1
85 John Davis Rd	Mt Roskill	4 Monthly	1
55 Marion Ave	Mt Roskill	4 Monthly	2
105A May Rd	Mt Roskill	4 Monthly	3
5 Gifford Ave	Mt Roskill	4 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
21 The Avenue	Mt Roskill	4 Monthly	1
580 Hillsborough Rd	Mt Roskill	4 Monthly	3
18 Orcades Pl	Mt Roskill	4 Monthly	1
16 Orcades Pl	Mt Roskill	4 Monthly	2
12 Wanganella Pl	Mt Roskill	4 Monthly	1
7 Wanganella Pl	Mt Roskill	4 Monthly	3
19 Halsey Dr	Mt Roskill	4 Monthly	2
6 The Avenue	Lynfield	4 Monthly	2
2/3 Flavia Pl	Lynfield	4 Monthly	1
10 Mongoroy Pl	Waikowhai	4 Monthly	1
2-6 Madden St	Auckland Central	6 Monthly	2
55 Boston Rd	Grafton	6 Monthly	1
45 Boston Rd	Grafton	6 Monthly	1
2-8 Nelson St	Auckland Central	6 Monthly	1
26-28 Hobson St	Auckland Central	6 Monthly	1
109- Albert St	Auckland Central	6 Monthly	1
Federal St	Auckland Central	6 Monthly	1
68 Victoria St-W	Auckland Central	6 Monthly	1
58 Hamer St	Auckland Central	6 Monthly	2
189 Park Rd	Newmarket	6 Monthly	1
175- Park Rd	Newmarket	6 Monthly	1
47-49 The Strand	Auckland Central	6 Monthly	1
55-57 The Strand	Auckland Central	6 Monthly	1
1-11 The Strand	Auckland Central	6 Monthly	1
15-19 The Strand	Auckland Central	6 Monthly	1
7-15 Faraday St	Parnell	6 Monthly	1
19A Auckland Rd	St Heliers	6 Monthly	1
6-8 Auckland Rd	St Heliers	6 Monthly	1
219A Tamaki Drv	Kohimarama	6 Monthly	1
227 Tamaki Drv	Kohimarama	6 Monthly	1
73 Speight Rd	Kohimarama	6 Monthly	2
24 Hampton Dr	Kohimarama	12 Monthly	1
124- Felton Mathews Ave	St Johns	6 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
120- Felton Mathews Ave	St Johns	6 Monthly	1
110 Felton Mathews Ave	St Johns	6 Monthly	3
106- Felton Mathews Ave	St Johns	6 Monthly	1
27 Castle St	Grey Lynn	6 Monthly	1
67 Sarsfield St	Herne Bay	6 Monthly	1
4A Bellwood Ave	Mount Eden	6 Monthly	1
41 Don Croot St	Kingsland	6 Monthly	1
3/94 School Rd	Kingsland	6 Monthly	1
13 Hamlin Rd	Mt Wellington	6 Monthly	1
237 Mt Wellington Hwy	Mt Wellington	6 Monthly	1
3 Sloane St	Glen Innes	6 Monthly	2
15 Sloane St	Glen Innes	6 Monthly	2
5 Chiltern Cres	Glen Innes	6 Monthly	1
4 Chiltern Cres	Glen Innes	6 Monthly	1
84 Wolverton St	Avondale	6 Monthly	1
2 Blockhouse Bay Rd	Waterview	6 Monthly	1
1610A Great North Rd	Waterview	6 Monthly	1
1590A Great North Rd	Waterview	6 Monthly	1
1576A Great North Rd	Waterview	6 Monthly	1
34 Water St	Otahuhu	6 Monthly	1
56 Tamaki Ave	Otahuhu	6 Monthly	1
38 Nikau Rd	Otahuhu	6 Monthly	3
76 Hall Ave	Otahuhu	6 Monthly	1
2 Lippiad Rd	Otahuhu	6 Monthly	1
41 Nikau Rd	Otahuhu	6 Monthly	2
7 Lippiad Rd	Otahuhu	6 Monthly	1
19 Nikau Rd	Otahuhu	6 Monthly	2
17C Nikau Rd	Otahuhu	6 Monthly	1
13 Nikau Rd	Otahuhu	6 Monthly	2
76 Station Rd	Otahuhu	6 Monthly	1
125 Western Springs Rd	Western Springs	6 Monthly	1
4 Comins Cres	Mission Bay	6 Monthly	1
23 West End Rd	Parnell	6 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
19 West End Rd	Parnell	6 Monthly	1
24 Winsomere Cres	Westmere Park	6 Monthly	1
92 Warnock St	Westmere Park	6 Monthly	1
39 William Denny Ave	Westmere Park	6 Monthly	1
2- Watts St	Westmere Park	6 Monthly	1
7A Faulder Ave	Westmere	6 Monthly	1
19 Faulder Ave	Westmere	6 Monthly	1
122A Ash St	Avondale	6 Monthly	1
151 Ash St	Avondale	6 Monthly	1
8 Sceptre Pl	Avondale	6 Monthly	1
83 Maioro St	New Windsor	6 Monthly	1
81 Maioro St	New Windsor	6 Monthly	1
79 Maioro St	New Windsor	6 Monthly	1
9 Mcdonald St	Kingsland	6 Monthly	1
11 Mcdonald St	Kingsland	6 Monthly	1
14 Skinner Ave	Mt Roskill	6 Monthly	2
4 Carr Rd	Mt Roskill	6 Monthly	3
61 Freeland Ave	Mt Roskill	6 Monthly	2
34 Gifford Ave	Mt Roskill	6 Monthly	1
24 Gifford Ave	Mt Roskill	6 Monthly	1
22A Gifford Ave	Mt Roskill	6 Monthly	1
71 Gifford Ave	Mt Roskill	6 Monthly	1
103 Hillsborough Rd	Mt Roskill	6 Monthly	1
107 Hillsborough Rd	Mt Roskill	6 Monthly	1
2 Carr Rd	Mt Roskill	6 Monthly	1
78 Hayr Rd	Mt Roskill	6 Monthly	1
38 Caen Rd	Panmure	6 Monthly	1
22 Cleary Rd	Panmure	6 Monthly	2
16 Cleary Rd	Panmure	6 Monthly	1
52 Irland Rd	Panmure	6 Monthly	1
74A Irland Rd	Panmure	6 Monthly	2
417 Church St	Penrose	6 Monthly	2
419 Church St	Penrose	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
421- Church St	Penrose	6 Monthly	1
509- Ellerslie-Panmure Hwy	Mt Wellington	6 Monthly	1
519 Ellerslie-Panmure Hwy	Mt Wellington	6 Monthly	3
9 McCracken Rd	Mt Wellington	6 Monthly	1
10 McCracken Rd	Mt Wellington	6 Monthly	1
6 McDonald Cres	Mt Wellington	6 Monthly	1
7 McDonald Cres	Mt Wellington	6 Monthly	1
26A Manawa Rd	Remuera	6 Monthly	1
39 Sonia Ave	Remuera	6 Monthly	1
12A Norana Ave	Remuera	6 Monthly	1
414 Panama Rd	Mount Wellington	6 Monthly	1
419 Ellerslie Panmure Hwy	Mt Wellington	6 Monthly	1
419 Ellerslie-Panmure Hwy	Mt Wellington	6 Monthly	1
13 Clare Pl	Mt Wellington	6 Monthly	1
12 Ferndale Rd	Mt Wellington	6 Monthly	1
23 Commodore Dr	Lynfield	6 Monthly	1
14 Orsova Pl	Lynfield	6 Monthly	1
104 O'Donnell Ave	Owairaka	6 Monthly	1
74 O'Donnell Ave	Owairaka	6 Monthly	1
Maio St	Mt Roskill	6 Monthly	2
4A Christie St	Mt Roskill	6 Monthly	2
92 May Rd	Mt Roskill	6 Monthly	1
2A Ira Pl	Mt Roskill	6 Monthly	1
93 Penny Ave	Mt Roskill	6 Monthly	1
115 Penny Ave	Mt Roskill	6 Monthly	1
108 Penny Ave	Mt Roskill	6 Monthly	1
110 Penny Ave	Mt Roskill	6 Monthly	1
11 Noton Rd	Hillsbrough	6 Monthly	3
3 Southdown Lane	Penrose	6 Monthly	1
25 Panorama Rd	Penrose	6 Monthly	1
174 Penrose Rd	Penrose	6 Monthly	1
69 Middleton Rd	Penrose	6 Monthly	2
10 Lavas Pl	Penrose	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
6 Sainsbury Rd	Mt Albert	6 Monthly	1
668 New North Rd	Mt Albert	6 Monthly	1
6 Rendcomb Pl	Onehunga	6 Monthly	2
10 Rendcomb Pl	Onehunga	6 Monthly	2
9 Rendcomb Pl	Onehunga	6 Monthly	1
99 Whitney St	New Windsor	6 Monthly	1
147 Whitney St	New Windsor	6 Monthly	1
22 Domett Ave	Epson	12 Monthly	1
536 Manukau Rd	Epson	12 Monthly	1
73A Pah Rd	Epson	12 Monthly	1
55 Empire Rd	Epson	12 Monthly	1
131 The Drive	Epson	12 Monthly	1
3/41 Empire Rd	Epson	12 Monthly	1
11 Heywood Cres	Epson	12 Monthly	1
1 Heywood Cres	Epson	12 Monthly	1
13 Heywood Cres	Epson	12 Monthly	1
40 Maungakiekie Ave	Epson	12 Monthly	1
23 Croydon Rd	Mount Eden	12 Monthly	2
65 Woodside Rd	Mount Eden	12 Monthly	1
64 Woodside Rd	Mount Eden	12 Monthly	1
2/62 Woodside Rd	Mount Eden	12 Monthly	2
112 Taylors Rd	St Lukes	12 Monthly	1
7 Lyon Ave	St Lukes	12 Monthly	1
6 Brewster Ave	St Lukes	12 Monthly	2
103 Pilkington Rd	Panmure	12 Monthly	1
111 Pilkington Rd	Panmure	12 Monthly	1
25 Torino St	Panmure	12 Monthly	1
27 Torino St	Panmure	12 Monthly	1
19 Oran Rd	Panmure	12 Monthly	1
90 Kiwitea St	Sandringham	12 Monthly	1
168 Haverstock Rd	Sandringham	12 Monthly	1
34 Kingsland Ave	Kingsland	12 Monthly	1
38 Kingsland Ave	Kingsland	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
3 Kingsland Ave	Kingsland	12 Monthly	1
59B Wainui Ave	Pt Chevalier	12 monthly	1
61 Walmer Rd	Pt Chevalier	12 Monthly	1
35 St Michaels Ave	Pt Chevalier	12 Monthly	1
13 Novar Pl	Pt Chevalier	12 Monthly	2
68 Smale St	Pt Chevalier	12 Monthly	1
64 Smale St	Pt Chevalier	12 Monthly	1
15 Berridge Ave	Pt Chevalier	12 Monthly	1
55 Alberta St	Pt Chevalier	12 Monthly	1
60A Alberta St	Pt Chevalier	12 Monthly	1
39 Target St	Pt Chevalier	12 monthly	1
33 Target St	Pt Chevalier	12 monthly	1
9 Katoa St	Pt Chevalier	12 monthly	1
37 Humariri St	Pt Chevalier	12 monthly	1
14 Knight Ave	Mt Albert	12 Monthly	1
32 Maranui Ave	Waterview	12 Monthly	1
126 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	3
23 Shortland St	Auckland Central	12 Monthly	1
23 O'Connell St	Auckland Central	12 Monthly	1
15 O'Connell St	Auckland Central	12 Monthly	1
2 Freyburg Pl	Auckland Central	12 Monthly	2
Hobson Pl	Auckland Central	12 Monthly	1
67 Vincent St	Auckland Central	12 Monthly	1
126 Queen St	Auckland Central	12 Monthly	1
87 Greys Ave	Auckland Central	12 Monthly	1
1 Alfred St	Auckland Central	12 Monthly	1
97 St Johns Rd	Meadowbank	12 Monthly	1
107A Meadowbank Rd	Meadowbank	12 Monthly	1
9 Harapaki Rd	Meadowbank	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
15 Lucia Glade	Meadowbank	12 Monthly	1
84 Meadowbank Rd	Meadowbank	12 Monthly	1
20C Corinth St	Remuera	12 Monthly	3
10 Corinth St	Remuera	12 Monthly	1
69A Waiaturua Rd	Remuera	12 Monthly	1
75B Waiaturua Rd	Remuera	12 Monthly	2
91 Waiaturua Rd	Remuera	12 Monthly	1
93 Waiaturua Rd	Remuera	12 Monthly	1
106 Waiaturua Rd	Remuera	12 Monthly	1
6A/59 Victoria Ave	Remuera	12 Monthly	1
75 Victoria Ave	Remuera	12 Monthly	1
93 Victoria Ave	Remuera	12 Monthly	1
6 Scherff Rd	Remuera	12 Monthly	1
89 Nuffield St	New Market	12 Monthly	1
84 Reihana St	Orakei	12 Monthly	1
15 Dempsey St	Remuera	12 Monthly	3
47 Combes Rd	Remuera	12 Monthly	1
49 Combes Rd	Remuera	12 Monthly	2
3/121 Remuera Rd	Remuera	12 Monthly	1
108A Gowing St	Meadowbank	12 Monthly	1
27 Liley Pl	Remuera	12 Monthly	1
14 Nordon Pl	Remuera	12 Monthly	1
28 Ladies Mile	Remuera	12 Monthly	1
83A Benson Rd	Remuera	12 Monthly	1
167B Orakei Rd	Remuera	12 Monthly	1
1/159 Orakei Rd	Remuera	12 Monthly	1
17 Dilworth Ave	Remuera	12 Monthly	1
14 Stirling St	Remuera	12 Monthly	1
28 Spencer St	Remuera	12 Monthly	1
17 Te Kowhai Pl	Remuera	12 Monthly	1
47 Ridings Rd	Remuera	12 Monthly	1
44 Mahoe Rd	Remuera	12 Monthly	1
17 Baden Powell Pl	Remuera	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
15 Baden Powell Pl	Remuera	12 Monthly	1
87 Koraha St	Remuera	12 Monthly	1
128 Arney Rd	Remuera	12 Monthly	1
105 Grand Dr	Remuera	12 Monthly	1
116W Michaels Ave	Ellerslie	12 Monthly	1
2/118 Michaels Ave	Ellerslie	12 Monthly	1
30 Platina St	Remuera	12 Monthly	1
12 Sarawia St	New Market	12 Monthly	1
238 Victoria Ave	Remuera	12 Monthly	3
55 Spencer St	Remuera	12 Monthly	1
55A Polygon Rd	St Heliers	12 Monthly	1
5 Clarendon Rd	St Heliers	12 Monthly	1
9 Clarendon Rd	St Heliers	12 Monthly	1
2/13 Clarendon Rd	St Heliers	12 Monthly	1
37 Clarendon Rd	St Heliers	12 Monthly	1
9B Abbots Way	Remuera	12 Monthly	2
17 Abbots Way	Remuera	12 Monthly	1
2/31A Abbots Way	Remuera	12 Monthly	2
16 St Heliers Bay Rd	St Heliers	12 Monthly	1
411 Tamaki Dr	St Heliers	12 Monthly	1
2 St Heliers Bay Rd	St Heliers	12 Monthly	1
384 Tamaki Dr	St Heliers	12 Monthly	2
272A St Heliers Bay Rd	St Heliers	12 Monthly	1
12 West Tamaki Rd	St Heliers	12 Monthly	1
253 St Heliers Bay Rd	St Heliers	12 Monthly	1
259 St Heliers Bay Rd	St Heliers	12 Monthly	2
2C Rarangi Rd	St Heliers	12 Monthly	1
3/47 Vale Rd	St Heliers	12 Monthly	1
39B Vale Rd	St Heliers	12 Monthly	1
37 Vale Rd	St Heliers	12 Monthly	1
25 Judges Bay Rd	Parnell	12 Monthly	1
113 Brighton Rd	Parnell	12 Monthly	1
21 Ayr St	Parnell	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
51 Ayr St	Parnell	12 Monthly	4
71 Felton Mathews Ave	St Johns	12 Monthly	1
10A Howard Hunter Ave	St Johns	12 Monthly	1
12 Howard Hunter Ave	St Johns	12 Monthly	1
8 Howard Hunter Ave	St Johns	12 Monthly	1
2/35 Felton Mathew Ave	St Johns	12 months	1
53 Felton Mathew Ave	St Johns	12 Monthly	1
1/10 Lush Ave	St Johns	12 Monthly	1
24 Thorp St	St Johns	12 Monthly	1
75 Alberton Ave	Mount Albert	12 Monthly	1
5 Rawalpindi St	Mount Albert	12 Monthly	1
19A Mount Albert St	Mount Albert	12 Monthly	1
4 Erson Ave	Royal Oak	12 Monthly	1
122 Symonds St	Royal Oak	12 Monthly	1
2 Erson Ave	Royal Oak	12 Monthly	1
104 Symonds St	Royal Oak	12 Monthly	1
107 Symonds St	Royal Oak	12 Monthly	1
829B Manukau Rd	Onehunga	12 Monthly	1
18 Windmill Rd	Mount Eden	12 Monthly	1
20 Windmill Rd	Mount Eden	12 Monthly	2
11A Maioro St	New Windsor	12 Monthly	1
27 Maioro St	New Windsor	12 Monthly	1
202 New Windsor Rd	New Windsor	12 Monthly	1
204 New Windsor Rd	New Windsor	12 Monthly	2
26 Whitney St	New Windsor	12 Monthly	2
9 Leinster St	New Windsor	12 Monthly	1
28A Whitney St	New Windsor	12 Monthly	1
8 Georgina St	Freemans Bay	12 Monthly	1
2 Collingwood St	Freemans Bay	12 Monthly	1
2 Ponsenby Tce	Freemans Bay	12 Monthly	1
62 Franklin Rd	Freemans Bay	12 Monthly	1
21 Vista Cres	Glendowie	12 Monthly	1
32 Roberta Ave	Glendowie	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
57 Roberta Ave	Glendowie	12 Monthly	1
26A Washington Ave	Glendowie	12 Monthly	1
9 Hartland Ave	Glendowie	12 Monthly	1
16 Peacock St	Glendowie	12 Monthly	1
81 Maskell St	Glendowie	12 Monthly	1
2/142 Riddell Rd	Glendowie	12 Monthly	1
144A Riddell Rd	Glendowie	12 Monthly	1
201 Riddell Rd	Glendowie	12 Monthly	1
2/185 Riddell Rd	Glendowie	12 Monthly	1
193 Riddell Rd	Glendowie	12 Monthly	1
225 Riddell Rd	Glendowie	12 Monthly	1
47 Robley Cres	Glendowie	12 Monthly	1
9 Abingdon Pl	Glendowie	12 Monthly	1
32 Karaka Park Pl	Glendowie	12 Monthly	1
12 Karaka Park Pl	Glendowie	12 Monthly	1
80 Bay Rd	Glendowie	12 Monthly	1
496 Riddell Rd	Glendowie	12 Monthly	1
520 Riddell Rd	Glendowie	12 Monthly	1
293A Riddell Rd	Glendowie	12 Monthly	2
291 Riddell Rd	Glendowie	12 Monthly	1
118A Riddell Rd	Glendowie	12 Monthly	1
39 Colchester Ave	Glendowie	12 Monthly	1
47 Colchester Ave	Glendowie	12 Monthly	1
75 Edmund St	St Heliers	12 Monthly	1
14 Helen Pl	St Heliers	12 Monthly	1
54 The Parade	St Heliers	12 Monthly	2
8A Rarangi Rd	St Heliers	12 Monthly	1
55 Claredon Rd	St Heliers	12 Monthly	1
3/55 Claredon Rd	St Heliers	12 Monthly	1
47 Kitemoana St	Orakei	12 Monthly	1
32 Nikau St	Newton	12 Monthly	1
75 Warnock St	Westmere	12 Monthly	1
2 Wellpark Ave	Grey Lynn	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
29 Rona Ave	Grey Lynn	12 Monthly	1
15 Surrey Cres	Grey Lynn	12 Monthly	1
12 Browning St	Grey Lynn	12 Monthly	1
14 Browning St	Grey Lynn	12 Monthly	1
80 Ivanhoe Rd	Grey Lynn	12 Monthly	1
568 Great North Rd	Grey Lynn	12 Monthly	1
465 Great North Rd	Grey Lynn	12 Monthly	1
155 Crummer Rd	Grey Lynn	12 Monthly	1
28 Tawariki St	Ponsonby	12 Monthly	1
22 Tawariki St	Ponsonby	12 Monthly	1
12 Tawariki St	Ponsonby	12 Monthly	1
17 Parawai Cres	Ponsonby	12 Monthly	1
22 Parawai Cres	Ponsonby	12 Monthly	2
16 Guildford Pl	Glen Innes	12 Monthly	1
32 Line Rd	Glen Innes	12 Monthly	1
42 Line Rd	Glen Innes	12 Monthly	2
13 Epping St	Glen Innes	12 Monthly	1
15 Epping St	Glen Innes	12 Monthly	1
2 Epping St	Glen Innes	12 Monthly	1
12 Epping St	Glen Innes	12 Monthly	1
17 Epping St	Glen Innes	12 Monthly	2
61 Line Rd	Glen Innes	12 Monthly	2
2/48 Line Rd	Glen Innes	12 Monthly	1
52 Line Rd	Glen Innes	12 Monthly	1
10 Harlow Pl	Glen Innes	12 Monthly	1
4 Harlow Pl	Glen Innes	12 Monthly	1
78 Line Rd	Glen Innes	12 Monthly	2
209A Taniwha St	Glen Innes	12 Monthly	1
185 Taniwha St	Glen Innes	12 Monthly	1
183 Taniwha St	Glen Innes	12 Monthly	2
71B West Tamaki Rd	Glen Innes	12 Monthly	1
62 West Tamaki Rd	Glen Innes	12 Monthly	1
21A Rowena Cres	Glen Innes	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
160 Apirana Cres	Glen Innes	12 Monthly	1
44 Apirana Cres	Glen Innes	12 Monthly	1
38 Elstree Ave	Glen Innes	12 Monthly	1
7 Fenchurch St	Glen Innes	12 Monthly	1
4 Kestral Pl	Wai O Taiki Bay	12 Monthly	1
328 West Tamaki Rd	Glendowie	12 Monthly	1
29 Allum St	Kohimarama	12 Monthly	1
2/304 Kohimarama Rd	Kohimarama	12 Monthly	1
19 Whytehead Cres	Kohimarama	12 Monthly	1
72 John Rymer Pl	Kohimarama	12 Monthly	1
114A Allum St	Kohimarama	12 Monthly	1
19 Hawera Rd	Kohimarama	12 Monthly	1
54 Thatcher St	Mission Bay	12 Monthly	2
40 Southern Cross Rd	Kohimarama	12 Monthly	2
55 Southern Cross Rd	Kohimarama	12 Monthly	1
71 Baddeley Ave	Kohimarama	12 Monthly	1
19 Faulder Ave	Westmere	12 monthly	1
26 Sunny Brae Cres	Westmere	12 Monthly	1
2A Rarangi Rd	St Heliers	12 Monthly	1
71 Grampian Rd	St Heliers	12 Monthly	1
80 Grampian Rd	St Heliers	12 Monthly	1
10 Karaka Park Pl	Glendowie	12 Monthly	1
410 Riddell Rd	Glendowie	12 Monthly	1
16 Karaka Park Pl	Glendowie	12 Monthly	1
28 Karaka Park Pl	Glendowie	12 Monthly	1
388 Riddell Rd	Glendowie	12 Monthly	1
25 Paritai Dr	Orakei	12 Monthly	1
2 Erima Ave	Pt England	12 Monthly	1
91 Point England Rd	Pt England	12 Monthly	1
95 Point England Rd	Pt England	12 Monthly	1
132 Point England Rd	Pt England	12 Monthly	1
7 Rki Rd	Pt England	12 Monthly	1
8 Rki Rd	Pt England	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
212 Riverside Ave	Pt England	12 Monthly	1
8E Maybury St	Pt England	12 Monthly	2
159 Riverside Ave	Pt England	12 Monthly	1
4 Chiltren Cres	Melons Bay	12 Monthly	1
67 Elstree Ave	Melons Bay	12 Monthly	1
73 Elstree Ave	Melons Bay	12 Monthly	1
29A Rukutai St	Mission Bay	12 Monthly	1
Purewa Bridge Abutment	Remuera	12 Monthly	1
65 Kelmarna Ave	Herne Bay	12 Monthly	1
63 Kelmarna Ave	Herne Bay	12 Monthly	1
38 Bayfield Rd	Herne Bay	12 Monthly	1
2/34 Wharf Rd	Herne Bay	12 Monthly	1
36 Parawai Cres	Herne Bay	12 Monthly	1
59A Argyle St	Herne Bay	12 Monthly	1
50 Albany Rd	Herne Bay	12 Monthly	1
1 West End Rd	Herne Bay	12 Monthly	1
5 West End Rd	Herne Bay	12 Monthly	1
25 Clarence St	Ponsonby	12 monthly	1
35 Clarence St	Ponsonby	12 monthly	1
41 Clarence St	Ponsonby	12 monthly	1
13 Alcock St	Mount Wellington	12 Monthly	1
295 Mount Wellington Hwy	Mount Wellington	12 Monthly	2
286 Ellerslie-Pamnure Hwy	Mount Wellington	12 Monthly	2
20 Water St	Otahuhu	12 Monthly	1
18 Water St	Otahuhu	12 Monthly	1
8 Trenwith St	Otahuhu	12 Monthly	2
3 Trenwith St	Otahuhu	12 Monthly	2
11 Trenwith St	Otahuhu	12 Monthly	1
77 High St	Otahuhu	12 Monthly	1
34 Water St	Otahuhu	12 Monthly	1
8 Awa St	Otahuhu	12 Monthly	1
54 Nikau Rd	Otahuhu	12 Monthly	1
50 Nikau Rd	Otahuhu	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
2 Lippiatt Rd	Otahuhu	12 Monthly	1
22 Queen St	Otahuhu	12 Monthly	1
51 Hall Ave	Otahuhu	12 Monthly	1
53 Hall Ave	Otahuhu	12 Monthly	1
30 Nikau Rd	Otahuhu	12 Monthly	1
68 Hall Ave	Otahuhu	12 Monthly	3
4/51 Park Ave	Otahuhu	12 Monthly	2
3A Frank Grey Pl	Otahuhu	12 Monthly	1
56 Atkinson Ave	Otahuhu	12 Monthly	1
9 Avenue Rd	Otahuhu	12 Monthly	1
10 Mongoroy Pl	Waikowhai	12 Monthly	1
100 Ireland Rd	Panmure	12 Monthly	1
33 Cleary Rd	Panmure	12 Monthly	1
533 Ellerslie-Panmure Hwy	Panmure	12 Monthly	2
37 Ireland Rd	Panmure	12 Monthly	4
23 Domain Rd	Panmure	12 Monthly	1
13 Domain Rd	Panmure	12 Monthly	1
304 Neilson St	Tepapa	12 Monthly	1
1/5 Industry Rd	Penrose	12 Monthly	1
421- Church St	Penrose	12 Monthly	4
431 Church St	Penrose	12 Monthly	1
774 Dominion Rd	Mt Roskill	12 Monthly	1
71 Carr Rd	Mt Roskill	12 Monthly	1
72B Melrose Rd	Mt Roskill	12 Monthly	1
645 Richardson Rd	Mt Roskill	12 Monthly	1
643 Richardson Rd	Mt Roskill	12 Monthly	1
641 Richardson Rd	Mt Roskill	12 Monthly	2
2 Haycock Ave	Mt Roskill	12 Monthly	1
142 May Rd	Mt Roskill	12 Monthly	1
7 Ben James Dr	Mt Roskill	12 Monthly	1
15 Battersby Ave	Mt Roskill	12 Monthly	1
19 Battersby Ave	Mt Roskill	12 Monthly	1
610 Hillsborough Rd	Mt Roskill	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
612 Hillsborough Rd	Mt Roskill	12 Monthly	1
103 White Swan Rd	Mt Roskill	12 Monthly	1
97 White Swan Rd	Mt Roskill	12 Monthly	1
95 White Swan Rd	Mt Roskill	12 Monthly	1
6 Balfron Ave	Mt Roskill	12 Monthly	2
29 Freeland Ave	Mt Roskill	12 Monthly	1
33 Freeland Ave	Mt Roskill	12 Monthly	1
18 Kallu Cres	Mt Roskill	12 Monthly	1
26A Kallu Cres	Mt Roskill	12 Monthly	1
4 Carr Rd	Mt Roskill	12 Monthly	1
190 Stoddard Rd	Mt Roskill	12 Monthly	2
192 Stoddard Rd	Mt Roskill	12 Monthly	1
236 Richardson Rd	Mt Roskill	12 Monthly	1
120 Stoddard Rd	Mt Roskill	12 Monthly	1
3A Mcullough Ave	Mt Albert	12 Monthly	1
86 Marsden Ave	Balmoral	12 Monthly	1
1408- Great North Rd	Waterview	12 Monthly	1
26 Macpherson St	Meadowbank	12 Monthly	3
14 Silver Rd	Epsom	12 Monthly	1
12 Wairiki Rd	Three Kings	12 Monthly	1
57A Bremner Ave	Three Kings	12 Monthly	1
43 Dundale Ave	Blockhouse Bay	12 Monthly	1
222 Hillsborough Rd	Hillsborough	12 Monthly	1
228 Hillsborough Rd	Hillsborough	12 Monthly	2
5 Lilac Grv	Hillsborough	12 Monthly	1
8 Lilac Grv	Hillsborough	12 Monthly	1
46 Carlton St	Hillsborough	12 Monthly	1
6 Stephen Lysnar Pl	Hillsborough	12 Monthly	2
2 Mcilroy Ave	Hillsborough	12 Monthly	1
1 Carlton St	Hillsborough	12 Monthly	1
10 Fickling Ave	Hillsborough	12 Monthly	1
74 Olsen Ave	Hillsborough	12 monthly	1
78 Olsen Ave	Hillsborough	12 monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
62 Melrose Rd	Hillsborough	12 monthly	2
26A Frederick St	Hillsborough	12 Monthly	4
24 Frederick St	Hillsborough	12 Monthly	3
36 Frederick St	Hillsborough	12 Monthly	2
15 Frederick St	Hillsborough	12 Monthly	1
30 Commodore Dr	Lynfield	12 Monthly	1
4/24 Commodore Dr	Lynfield	12 Monthly	3
23 Commodore Dr	Lynfield	12 Monthly	4
32 Strathnaver Cres	Lynfield	12 Monthly	1
8 Gothic Pl	Lynfield	12 Monthly	1
9 Coronia Cres	Lynfield	12 Monthly	1
59 Coronia Cres	Lynfield	12 Monthly	1
55 Coronia Cres	Lynfield	12 Monthly	1
67 Coronia Cres	Lynfield	12 Monthly	1
36 Sylvania Cres	Lynfield	12 Monthly	1
1/10 Himalya Cres	Lynfield	12 Monthly	2
5A Cadman Ave	Waterview	12 Monthly	1
1/1449 Great North Rd	Waterview	12 Monthly	1
39 Fairlands Ave	Waterview	12 Monthly	1
19B Hadfield Ave	Waterview	12 Monthly	1
37 Saltair St	Avondale	12 Monthly	1
39 Saltair St	Avondale	12 Monthly	2
44 Fairlands Ave	Avondale	12 Monthly	1
5/42 Fairlands Ave	Avondale	12 Monthly	1
15 Te Wiata Pl	Avondale	12 Monthly	1
20 Te Wiata Pl	Avondale	12 Monthly	1
3 Bamford Pl	Avondale	12 Monthly	1
54 Mary Dreaver St	Avondale	12 Monthly	1
229 Blockhouse Bay Rd	Avondale	12 Monthly	1
1817 Great North Rd	Avondale	12 Monthly	1
1/20 Charmers St	Avondale	12 Monthly	1
10 Amsterdam Pl	Avondale	12 Monthly	1
130 Riversdale Rd	Avondale	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
44 Tony Segedin Dr	Avondale	12 Monthly	1
46 Eastdale Rd	Avondale	12 Monthly	1
66 Eastdale Rd	Avondale	12 Monthly	1
23 Lidcombe Pl	Avondale	12 Monthly	1
33 Maple St	Avondale	12 Monthly	1
3 Charann Pl	Avondale	12 Monthly	1
79 Mead St	Avondale	12 Monthly	1
108 Avondale Rd	Avondale	12 Monthly	1
3 Horton Ave	Avondale	12 Monthly	1
5 Horton Ave	Avondale	12 Monthly	1
702 Rosebank Rd	Avondale	12 Monthly	1
1/34 Westminster St	Avondale	12 Monthly	1
5 Hillview Ave	Avondale	12 Monthly	1
2169 Great North Rd	Avondale	12 Monthly	1
2171A Great North St	Avondale	12 Monthly	1
11A Donegal St	Avondale	12 Monthly	1
49 Alanbrooke Cres	Avondale	12 Monthly	1
82A Wolverton St	Avondale	12 Monthly	1
24 Ruahine St	Avondale	12 Monthly	1
26 Ruahine St	Avondale	12 Monthly	1
9 Meredith St	Blockhouse Bay	12 Monthly	1
1 Meredith St	Blockhouse Bay	12 Monthly	1
1 Swinburne St	Blockhouse Bay	12 Monthly	2
18 Francis Curtis Ave	Blockhouse Bay	12 Monthly	2
31 MacLaurin St	Blockhouse Bay	12 Monthly	1
46 MacLaurin St	Blockhouse Bay	12 Monthly	1
33 Margate Rd	Blockhouse Bay	12 Monthly	1
28 MacLaurin St	Blockhouse Bay	12 Monthly	1
616 Blockhouse Bay Rd	Blockhouse Bay	12 Monthly	1
19B Bolton St	Blockhouse Bay	12 Monthly	1
4 Bellamy Pl	Blockhouse Bay	12 Monthly	1
584 Blockhouse Bay Rd	Blockhouse Bay	12 Monthly	1
109 Taylor St	Blockhouse Bay	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
99A Taylor St	Blockhouse Bay	12 Monthly	1
87 Frederick St	Hillsborough	12 Monthly	1
59 Frederick St	Hillsborough	12 Monthly	1
2 Arthur St	Onehunga	12 Monthly	1
20A Bel Air Dr	Onehunga	12 Monthly	1
12B Bel Air Dr	Onehunga	12 Monthly	1
4 Bel Air Dr	Onehunga	12 Monthly	1
2B Bel Air Dr	Onehunga	12 Monthly	1
1/32 Seacliffe Rd	Onehunga	12 Monthly	1
26 Stamford Park Rd	Mt Roskill	12 Monthly	1
47 Boston Rd	Auckland Central	12 Monthly	2
45 Boston Rd	Auckland Central	12 Monthly	1
39 Boston Rd	Auckland Central	12 Monthly	1
27 Boston Rd	Auckland Central	12 Monthly	1
17-25 Boston Rd	Auckland Central	12 Monthly	3
1 Hobson St	Auckland Central	12 Monthly	1
23A Fairlands Ave	Waterview	12 Monthly	1
114 Blockhouse Bay Rd	Avondale	18 Monthly	1
5C Rosebank Rd	Avondale	18 Monthly	1
67 Dundale Ave	Blockhouse Bay	18 Monthly	1
81 Dundale Ave	Blockhouse Bay	18 Monthly	2
91 Dundale Ave	Blockhouse Bay	18 Monthly	1
50 Boundary Rd	Blockhouse Bay	18 Monthly	1
42 Boundary Rd	Blockhouse Bay	18 Monthly	2
123 Kinross St	Blockhouse Bay	18 Monthly	1
151 Waipuna Rd-E	Mt Wellington	18 Monthly	2
Levene Pl	Mt Wellington	18 Monthly	2
14 Bowden Rd	Mt Wellington	18 Monthly	1
630 Mount Eden Rd	Mount Eden	18 Monthly	1
496 Great North Rd	Mount Eden	18 Monthly	1
201 St Andrews Rd	Royal Oak	18 Monthly	1
51 Goodwall St	Hillsborough	18 Monthly	1
59 Goodwall St	Hillsborough	18 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
45 Potter Ave	Owairaka	18 Monthly	2
4 Alcock St	Mt Wellington	24 Monthly	2
2A Fairholme Ave	Mt Wellington	24 Monthly	1
30 Atherton Rd	Epson	24 Monthly	1
34 Arthur St	Ellerslie	24 Monthly	1
4 Rangipawa Rd	Onehunga	24 Monthly	1
21 Emerson St	Glendownie	24 Monthly	2
12 Georgina St	Freemans Bay	24 Monthly	1
4 Pasadena Ave	Pt Chevalier	24 Monthly	1
22 Orcades Pl	Lynfield	24 Monthly	1
21 Windgate St	Avondale	24 Monthly	1
14 Eleanor Pl	Blockhouse Bay	6 Monthly	1

Table 2: Southern Region

Address	Suburb	Frequency (Months)	Number of associated pipes
Buckland Rd	Pukekohe	6 Monthly	1
26 Edwards Crt	Pukekohe	6 Monthly	1
Franklin Rd	Pukekohe	6 Monthly	2
30 Beatty Rd	Pukekohe	6 Monthly	1
20 Nelson St	Pukekohe	6 Monthly	2
12 O'Connor Dr	Pukekohe	6 Monthly	1
10 O'Connor Dr	Pukekohe	6 Monthly	1
5 O'Connor Dr	Pukekohe	6 Monthly	1
248 Queen St	Pukekohe	6 Monthly	1
17 Paerata Rd	Pukekohe	6 Monthly	3
5 Paerata Rd	Pukekohe	6 Monthly	1
3 Paerata Rd- Counties Inn	Pukekohe	6 Monthly	1
135 Cape Hill Rd	Pukekohe	6 Monthly	1
6 Paerata Rd	Pukekohe	6 Monthly	1
105A West St	Pukekohe	6 Monthly	1
16 Brownlee Pl	Pukekohe	6 Monthly	1
40 Edwards Crt	Pukekohe	6 Monthly	1
18 Reynolds Rd	Pukekohe	6 Monthly	1
17 Seddon St	Pukekohe	6 Monthly	2
41 Seddon St	Pukekohe	6 Monthly	1
63 Seddon St	Pukekohe	6 Monthly	1
77 Seddon St	Pukekohe	6 Monthly	1
83 Seddon St	Pukekohe	6 Monthly	1
93 Seddon St	Pukekohe	6 Monthly	1
99 Seddon St	Pukekohe	6 Monthly	1
103 Seddon St	Pukekohe	6 Monthly	1
18 Victoria Ave	Waiuku	6 Monthly	1
4 Victoria Ave	Waiuku	6 Monthly	4
Kitchener Road Siphon	Waiuku	Monthly	1
11 Kitchener Rd	Waiuku	6 Monthly	1
Riverside Drive 1	Waiuku	Monthly	1
60 Sandspit Rd	Waiuku	6 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
61 Sandspit Rd	Waiuku	6 Monthly	1
1 Riverside Dr	Waiuku	6 Monthly	1
3 Riverside Dr	Waiuku	6 Monthly	1
7 Riverside Dr	Waiuku	6 Monthly	1
15 Riverside Dr	Waiuku	6 Monthly	1
Paerata Rd	Pukekohe	12 Monthly	1
66B Prospect Tce	Pukekohe	12 Monthly	2
66 Prospect Tce	Pukekohe	12 Monthly	1
Franklin Rd	Pukekohe	12 Monthly	4
43 Helvetia Rd	Pukekohe	12 Monthly	1
47B Helvetia Rd	Pukekohe	12 Monthly	1
32 Hooper Ave	Pukekohe	12 Monthly	1
40 Hooper Ave	Pukekohe	12 Monthly	2
44 Hooper Ave	Pukekohe	12 Monthly	1
18 Fairfield St	Pukekohe	12 Monthly	1
22 London St	Pukekohe	12 Monthly	1
16 London St	Pukekohe	12 Monthly	1
6 London St	Pukekohe	12 Monthly	1
25 Kayes Rd	Pukekohe	12 Monthly	1
33 Franklin Rd	Pukekohe	12 Monthly	2
149 Manukau Rd	Pukekohe	12 Monthly	1
Station Rd/Showgrounds	Pukekohe	Monthly	1
Station Rd	Pukekohe	12 Monthly	2
Annieston/France	Waiuku	Monthly	1
5 Annieston Pl	Waiuku	12 Monthly	1
17 Puketi Ln	Waiuku	12 Monthly	2
24 Puketi Ln	Waiuku	12 Monthly	1
20 Puketi Ln	Waiuku	12 Monthly	1
15 Ernest Shackelton Pl	Waiuku	12 Monthly	1
15 France St	Waiuku	12 Monthly	1
5 Ernest Shackelton Pl	Waiuku	12 Monthly	1
1 Brookesmith Dr	Waiuku	12 Monthly	1
Miro Pl/ Huia St	Waiuku	Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
1 Miro Pl	Waiuku	12 Monthly	1
35 Matai St	Waiuku	12 Monthly	1
33 Matai St	Waiuku	12 Monthly	1
29 Matai St	Waiuku	12 Monthly	1
28 Matai St	Waiuku	12 Monthly	1
24 Matai St	Waiuku	12 Monthly	1
33 Hamilton Dr	Waiuku	12 Monthly	1
32 Hamilton Dr	Waiuku	12 Monthly	1
12A Huia St	Waiuku	12 Monthly	1
16 Huia St	Waiuku	12 Monthly	1
20 Huia St	Waiuku	12 Monthly	1
28 Huia St	Waiuku	12 Monthly	1
38 Huia St	Waiuku	12 Monthly	1
5 Cherry Pl	Waiuku	12 Monthly	2
9 Cherry Pl	Waiuku	12 Monthly	1
10 Koromiko Pl	Waiuku	12 Monthly	1
9 Koromiko Pl	Waiuku	12 Monthly	1
95 Sandspit Rd	Waiuku	12 Monthly	1
19 Shanley Cres	Waiuku	12 Monthly	1
Rangiwhea Rd	Waiuku	12 Monthly	2
24 Sweetcorn Pl	Pukekohe	12 Monthly	1
3A Keith Pl	Pukekohe	12 Monthly	1
3 Keith Pl	Pukekohe	12 Monthly	1
25 Adams Dr	Pukekohe	12 Monthly	1
13 Adams Dr	Pukekohe	12 Monthly	1
9 Adams Dr	Pukekohe	12 Monthly	1
5 Adams Dr	Pukekohe	12 Monthly	2
24 Times Pl	Pukekohe	12 Monthly	1
Beatty Rd	Pukekohe	12 Monthly	2
61 Beatty Rd	Pukekohe	12 Monthly	1
6 Heron Pl	Pukekohe	12 Monthly	1
8 Frank Hewitt St	Pukekohe	12 Monthly	1
4 Frank Hewitt St	Pukekohe	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
70 Edinburgh St	Pukekohe	12 Monthly	1
74 Edinburgh St	Pukekohe	12 Monthly	1
Edinburgh St	Pukekohe	12 Monthly	1
85 Edinburgh St	Pukekohe	12 Monthly	2
24 Hall St	Pukekohe	12 Monthly	1
27 Hall St	Pukekohe	12 Monthly	1
29 Hall St	Pukekohe	12 Monthly	1
Franklin Rd	Pukekohe	12 Monthly	2
3 Bayview Dr	Waiuku	12 Monthly	2
7 Greenfield Cl	Waiuku	12 Monthly	1
46 Sandspit Rd	Waiuku	12 Monthly	1
54 Sandspit Rd	Waiuku	12 Monthly	1
56 Sandspit Rd	Waiuku	12 Monthly	1
Kitchener/Victoria	Waiuku	Monthly	1
46 Victoria Ave	Waiuku	12 Monthly	1
36 Victoria Ave	Waiuku	12 Monthly	4
Victoria Ave	Waiuku	12 Monthly	4
18 Victoria Ave	Waiuku	12 Monthly	1
Racecourse Rd/Golf Club	Waiuku	Monthly	1
40 Huia St	Waiuku	12 Monthly	3
38 Huia St	Waiuku	12 Monthly	3
74 Racecourse Rd	Waiuku	12 Monthly	1
80 Racecourse Rd	Waiuku	12 Monthly	1
3 Racecourse Rd	Waiuku	12 Monthly	1
5 Cherry Pl	Waiuku	12 Monthly	2
17 McInnes Rd	Weymouth	6 Monthly	1
65 Meadway	Pakuranga	6 Monthly	1
59 Meadway	Pakuranga	6 Monthly	1
51 Meadway	Pakuranga	6 Monthly	1
69 Cardiff Rd	Pakuranga	6 Monthly	1
59 Cardiff Rd	Pakuranga	6 Monthly	1
31 Mirrabooka Ave	Botany Downs	6 Monthly	1
72 Mirrabooka Ave	Botany Downs	6 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
68 Mirrabooka Ave	Botany Downs	6 Monthly	1
62 Mirrabooka Ave	Botany Downs	6 Monthly	1
54 Mirrabooka Ave	Botany Downs	6 Monthly	1
21 Sarah Pl	Farm Cove	6 Monthly	1
17 Sarah Pl	Farm Cove	6 Monthly	1
15 Sarah Pl	Farm Cove	6 Monthly	1
11 Sarah Pl	Farm Cove	6 Monthly	1
16 Liverpool Ave	Manukau Central	6 Monthly	1
15 Blossom Ln	Manurewa	6 Monthly	1
5 Polaris Pl	East Tamaki	6 Monthly	1
24 Greenmount Drv	East Tamaki	6 Monthly	1
8 Addington Ave	Manurewa	12 Monthly	1
1 Addington Ave	Manurewa	12 Monthly	1
6 Benton Rd	Manurewa	12 Monthly	1
1 Benton Rd	Manurewa	12 Monthly	1
134 Great South Rd	Manurewa	12 Monthly	1
5 Alfriston Rd	Manurewa	12 Monthly	2
230 Great South Rd	Manurewa	12 Monthly	1
236 Great South Rd	Manurewa	12 Monthly	1
238R Great South Rd	Manurewa	12 Monthly	1
8 Tamworth Cl	Manurewa	12 Monthly	1
4 Tamworth Cl	Manurewa	12 Monthly	1
81 John Walker Dr	Manurewa	12 Monthly	1
2 Landette Rd	Manurewa	12 Monthly	1
26 Kirton Cres	Manurewa	12 Monthly	1
50 Kirton Cres	Manurewa	12 Monthly	1
46 Kirton Cres	Manurewa	12 Monthly	1
30 Sturdee Rd	Manurewa	12 Monthly	1
26 Sturdee Rd	Manurewa	12 Monthly	1
53 Puriri Rd	Manurewa	12 Monthly	1
19 Crampton Pl	Manurewa	12 Monthly	1
11 Crampton Pl	Manurewa	12 Monthly	1
7 Crampton Pl	Manurewa	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
55 Rowandale Ave	Manurewa	12 Monthly	1
2 Ronald Pl	Manurewa	12 Monthly	1
1 Knox Rd	Manurewa	12 Monthly	2
39 Halver Rd	Manurewa	12 Monthly	1
30A Halver Road	Manurewa	12 Monthly	1
3 Knox Rd	Manurewa	12 Monthly	1
39 Halver Rd	Manurewa	12 Monthly	1
37 Halver Rd	Manurewa	12 Monthly	1
4 Jenkins P	Manurewa	12 Monthly	1
8 Mahia Rd	Manurewa	12 Monthly	1
12 Mahia Rd	Manurewa	12 Monthly	1
6 Holmes Rd	Manurewa	12 Monthly	1
10 Holmes Rd	Manurewa	12 Monthly	1
12 Holmes Rd	Manurewa	12 Monthly	1
283R Mahia Rd	Manurewa	12 Monthly	2
3 Mon Desir Pl	Manurewa	12 Monthly	1
7 Mon Desir Pl	Manurewa	12 Monthly	1
7 Naomi Pl	Manurewa	12 Monthly	1
50 John Warker Dr	Manurewa	12 Monthly	1
56 John Warker Dr	Manurewa	12 Monthly	1
64R John Warker Dr	Manurewa	12 Monthly	1
2 Landette Rd	Manurewa	12 Monthly	1
3 Landette Rd	Manurewa	12 Monthly	1
239 Weymouth Rd	Manurewa	12 Monthly	2
241 Weymouth Rd	Manurewa	12 Monthly	1
210R Weymouth Rd	Manurewa	12 Monthly	2
48 Secretariat Pl	Randwick Park	12 Monthly	1
42R Secretariat Pl	Randwick Park	12 Monthly	1
408R Porchester Rd	Randwick Park	12 Monthly	1
7 Ribot Pl		12 Monthly	1
14 Hyperion Dr		12 Monthly	1
55 Crooks Rd	East Tamaki	12 Monthly	1
24 Harris Rd	East Tamaki	12 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
17 Allens Rd	East Tamaki	12 Monthly	1
23 Allens Rd	East Tamaki	12 Monthly	3
42C Evans Rd	Weymouth	12 Monthly	1
47R Kurnell Dr	Botany Downs	12 Monthly	1
11 Dana Pl	Botany Downs	12 Monthly	1
24R Hanford Pl	Clendon Park	12 Monthly	3
5 Janese Pl	Clendon Park	12 Monthly	1
20V Janese Pl	Clendon Park	12 Monthly	2
24 Janese Pl	Clendon Park	12 Monthly	1
68 Palmers Rd	Clendon Park	12 Monthly	1
66 Palmers Rd	Clendon Park	12 Monthly	1
64R Palmers Rd	Clendon Park	12 Monthly	1
Martin Rd, 3	Manurewa	Monthly	1
3 Martin Rd	Manurewa	12 Monthly	2
13 Morrin St	Manurewa	12 Monthly	1
89 Maraetai Drive, 89	Maraetai	12 Monthly	1
1 Ara Tai	Half Moon Bay	12 Monthly	1
134R Gills Rd	Half Moon Bay	12 Monthly	1
134 Gills Rd	Half Moon Bay	12 Monthly	1
138 Gills Rd	Half Moon Bay	12 Monthly	1
9 Aviemore Dr	Highland Park	12 Monthly	1
13 Aviemore Dr	Highland Park	12 Monthly	1
11 Highland Park Drv	Highland Park	12 Monthly	1
10 Tomintoul Pl	Highland Park	12 Monthly	1
18 Tomintoul Pl	Highland Park	12 Monthly	1
10V Tomintoul Pl	Highland Park	12 Monthly	1
75 Moore St	Howick	12 Monthly	1
100 Howe St	Howick	12 Monthly	1
49 Kurnell Dr	Howick	12 Monthly	1
10 Liston Cres	Howick	12 Monthly	1
47R Kurnell Dr	Howick	12 Monthly	1
32 Stanniland St	Sunnyhills	12 Monthly	1
28V Puriri Rd	Beachlands	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
67R The Esplanade	Eastern Beach	12 Monthly	3
67 Priestley Dr	Bucklands Beach	12 Monthly	1
204 Mellons Bay Rd	Mellons Bay	12 Monthly	3
25 Cyclades Pl	Shelly Park	12 Monthly	1
9 Kenwick Pl	East Tamaki	12 Monthly	1
14 Endymion Pl	Pakuranga	12 Monthly	1
4 Endymion Pl	Pakuranga	12 Monthly	1
44R Gossamer Dr	Pakuranga	12 Monthly	2
72S Gossamer Dr	Pakuranga	12 Monthly	1
22A Ennis Ave	Pakuranga	12 Monthly	1
8 Wyman Pl	Pakuranga	12 Monthly	1
47 Gossamer Dr	Pakuranga	12 Monthly	1
7 Aberfeldy Ave	Pakuranga	12 Monthly	3
13 Aberfeldy Ave	Pakuranga	12 Monthly	1
14 Highland Park Dr	Pakuranga	12 Monthly	1
11 Highland Park Dr	Pakuranga	12 Monthly	1
27 Wells Rd	Pakuranga	12 Monthly	2
8 Bolina Cre	Pakuranga	12 Monthly	1
58 Ennis Ave	Pakuranga	12 Monthly	1
52 Ennis Ave	Pakuranga	12 Monthly	1
46 Ennis Ave	Pakuranga	12 Monthly	1
42 Ennis Ave	Pakuranga	12 Monthly	1
40A Ennis Ave	Pakuranga	12 Monthly	1
52R Gossamer Dr	Pakuranga	12 Monthly	2
26 Ennis Ave	Pakuranga	12 Monthly	1
22A Ennis Ave	Pakuranga	12 Monthly	2
33R Edgewater Drv	Pakuranga	12 Monthly	1
57 Reeves Rd	Pakuranga Heights	12 Monthly	1
67 Ulys Rd	Pakuranga Heights	12 Monthly	1
63 Ulys Rd	Pakuranga Heights	12 Monthly	1
59 Ulys Rd	Pakuranga Heights	12 Monthly	1
57 Ulys Rd	Pakuranga Heights	12 Monthly	1
53 Ulys Rd	Pakuranga Heights	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
33 Greenhill Cres	Pakuranga Heights	12 Monthly	1
17 Ulay Pl	Clover Park	12 Monthly	1
Hooker Pl	Papatoetoe	12 Monthly	1
65R Swaffield Rd	Papatoetoe	12 Monthly	1
16 Middlemore Ave	Papatoetoe	12 Monthly	2
25R Middlemore Cres	Papatoetoe	12 Monthly	2
31 Middlemore Cres	Papatoetoe	12 Monthly	1
39 Middlemore Cres	Papatoetoe	12 Monthly	1
112 Pah Rd	Papatoetoe	12 Monthly	1
109 Pah Rd	Papatoetoe	12 Monthly	1
3 Seddon Ave	Papatoetoe	12 Monthly	1
4 Atkinson Ave	Papatoetoe	12 Monthly	1
7 Atkinson Ave	Papatoetoe	12 Monthly	1
9 Atkinson Ave	Papatoetoe	12 Monthly	1
10 Liverpool Ave	Manukau Central	12 Monthly	1
12 Liverpool Ave	Manukau Central	12 Monthly	1
4 Chestnut Rd	Papatoetoe	12 Monthly	1
50 Ramsey St	Papatoetoe	12 Monthly	1
67A Kenderdine Rd	Papatoetoe	12 Monthly	1
130R Rangitoto Rd	Papatoetoe	12 Monthly	1
27 Sean Fitzpatrick Pl	Papatoetoe	12 Monthly	1
30 Sean Fitzpatrick Pl	Papatoetoe	12 Monthly	1
39V Sean Fitzpatrick Pl	Papatoetoe	12 Monthly	1
43 Sean Fitzpatrick Pl	Papatoetoe	12 Monthly	1
660 Great South Rd	Otara	12 Monthly	2
17 Bairds Rd	Otara	12 Monthly	1
11 Bairds Rd	Otara	12 Monthly	2
Bairds Rd	Otara	12 Monthly	2
40 Bairds Rd	Otara	12 Monthly	8
650 Great South Rd	Otara	12 Monthly	1
638 Great South Rd	Otara	12 Monthly	2
38 Capstick Rd	Otara	12 Monthly	1
6 Fisher Cres	Otara	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
84 Hamill Rd	Otara	12 Monthly	1
69R Hamill Rd	Otara	12 Monthly	2
71 Hamill Rd	Otara	12 Monthly	1
13 Hannah Rd	Otara	12 Monthly	1
286 Bairds Rd	Otara	12 Monthly	1
7 Rapson Rd	Otara	12 Monthly	1
3 Rapson Rd	Otara	12 Monthly	2
1 Rapson Rd	Otara	12 Monthly	1
110 Preston Rd	Otara	12 Monthly	1
320 Bairds Rd	Otara	12 Monthly	1
32 Ingram Cres	Otara	12 Monthly	1
28 Ingram Cres	Otara	12 Monthly	1
24 Ingram Cres	Otara	12 Monthly	1
18 Ingram Cres	Otara	12 Monthly	1
14 Ingram Cres	Otara	12 Monthly	1
9 Sutcliffe Pl	Otara	12 Monthly	1
10 Sutcliffe Pl	Otara	12 Monthly	1
15 Guthry Pl	Otara	12 Monthly	1
10 Guthry Pl	Otara	12 Monthly	1
276 Bairds Rd	Otara	12 Monthly	1
25R Hannah Rd	Otara	12 Monthly	1
3 Kudu Rd	Otara	12 Monthly	1
11 Kudu Rd	Otara	12 Monthly	1
5 Kudu Rd	Otara	12 Monthly	3
21R Laureston Ave	Papatoetoe	12 Monthly	1
79 Favona Rd	Mangere	12 Monthly	1
85 Favona Rd	Mangere	12 Monthly	1
18 Geoffrey Pl	Mangere	12 Monthly	1
32 Henwood Rd	Mangere	12 Monthly	1
46 Henwood Rd	Mangere	12 Monthly	1
58 Henwood Rd	Mangere	12 Monthly	1
64 Henwood Rd	Mangere	12 Monthly	1
68 Henwood Rd	Mangere	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
15 Harvard Pl	Mangere	12 Monthly	1
2 Mona Ave	Mangere	12 Monthly	1
38 Heyford Cl	Mangere	12 Monthly	1
27 Heyford Cl	Mangere	12 Monthly	1
9 Heyford Cl	Mangere	12 Monthly	1
7 Heyford Cl	Mangere	12 Monthly	1
3 Heyford Cl	Mangere	12 Monthly	1
19 Mascot Ave	Mangere	12 Monthly	1
25 Mascot Ave	Mangere	12 Monthly	1
27 Mascot Ave	Mangere	12 Monthly	1
1 Forbury Pl	Mangere	12 Monthly	1
31 Mascot Ave	Mangere	12 Monthly	1
38 Mascot Ave	Mangere	12 Monthly	1
34 Mascot Ave	Mangere	12 Monthly	1
32 Mascot Ave	Mangere	12 Monthly	1
33 Mascot Ave	Mangere	12 Monthly	1
35 Mascot Ave	Mangere	12 Monthly	1
6 Forbury Pl	Mangere	12 Monthly	1
8 Forbury Pl	Mangere	12 Monthly	1
46 Skipton St	Mangere	12 Monthly	1
42R Skipton St	Mangere	12 Monthly	3
1 House Ave	Mangere	12 Monthly	1
49R Kiwi Esplanade	Mangere	12 Monthly	2
1R Donnell Ave	Mangere	12 Monthly	2
88 Walmsley Rd	Mangere	12 Monthly	2
4 Donnell Ave	Mangere	12 Monthly	1
1R Donnell Ave	Mangere	12 Monthly	2
72 Walmsley Rd	Mangere	12 Monthly	1
58 Walmsley Rd	Mangere	12 Monthly	1
64 Walmsley Rd	Mangere	12 Monthly	1
9 Rehua Pl	Mangere	12 Monthly	1
359 Massey Rd	Mangere East	12 Monthly	1
259 Massey Rd	Mangere East	12 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
5 Growers Lane	Mangere East	12 Monthly	1
26 Yates Rd	Mangere East	12 Monthly	1
30A Yates Rd	Mangere East	12 Monthly	1
32 Yates Rd	Mangere East	12 Monthly	1
25 Growers Lane	Mangere East	12 Monthly	2
37R Growers Lane	Mangere East	12 Monthly	1
36 Growers Lane	Mangere	12 Monthly	1
17R Royton Ave	Mangere	12 Monthly	1
20 Royton Ave	Mangere East	12 Monthly	1
22 Richard Rd	Mangere	12 Monthly	2
38 Tidal Rd	Mangere	12 Monthly	1
50 Tidal Rd	Mangere	12 Monthly	2
150 Tennessee Ave	Mangere	12 Monthly	1
135 Avimore Dr	Highland Park	24 Monthly	1
127 Avimore Dr	Highland Park	24 Monthly	1
123 Avimore Dr	Highland Park	24 Monthly	1
117 Avimore Dr	Highland Park	24 Monthly	1
58 Beach Rd	Mellons Bay	24 Monthly	1
60 Beach Rd	Mellons Bay	24 Monthly	1
60B Beach Rd	Mellons Bay	24 Monthly	1
64 Beach Rd	Mellons Bay	24 Monthly	1
66A Beach Rd	Mellons Bay	24 Monthly	1
68A Beach Rd	Mellons Bay	24 Monthly	1
72A Beach Rd	Mellons Bay	24 Monthly	1
74A Beach Rd	Mellons Bay	24 Monthly	1
78 Beach Rd	Mellons Bay	24 Monthly	1
82 Beach Rd	Mellons Bay	24 Monthly	1
92A Beach Rd	Mellons Bay	24 Monthly	1
102 Beach Rd	Mellons Bay	24 Monthly	1
105 Beach Rd	Mellons Bay	24 Monthly	1
106 Uxbridge Rd	Mellons Bay	24 Monthly	3
107R Uxbridge Rd	Mellons Bay	24 Monthly	2
110R Beach Rd	Mellons Bay	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
99 Beechdale Cres	Pakuranga	24 Monthly	1
241 Bucklands Beach Rd	Bucklands Beach	24 Monthly	1
245 Bucklands Beach Road, 245	Bucklands Beach	24 Monthly	1
245 Bucklands Beach Rd	Bucklands Beach	24 Monthly	2
423 Bucklands Beach Rd	Bucklands Beach	24 Monthly	1
431R Bucklands Beach Rd	Bucklands Beach	24 Monthly	2
10V Clyside Ave	Half Moon Bay	24 Monthly	1
19 Driscoll Place	Farm Cove	24 Monthly	2
15 Hedge Row	Farm Cove	24 Monthly	1
17 Wycherley Dr	Bucklands Beach	24 Monthly	1
12 Wycherley Dr	Bucklands Beach	24 Monthly	1
14 Wycherley Dr	Bucklands Beach	24 Monthly	1
15 Udall Pl	Bucklands Beach	24 Monthly	1
1/11 Udall Pl	Bucklands Beach	24 Monthly	2
21W Udall Pl	Bucklands Beach	24 Monthly	1
12 Nan Pl	Pakuranga	24 Monthly	1
11 La Perouse	Howick	24 Monthly	1
3 Lyren Pl	Pakuranga	24 Monthly	1
49 Marvon Downs	Pakuranga	24 Monthly	1
3 Pixie Pl	Pakuranga	24 Monthly	1
Pixie Pl	Pakuranga	24 Monthly	1
52R Gossamer Dr	Pakuranga	24 Monthly	1
65 Meadway	Pakuranga	24 Monthly	1
107 Ennis Ave	Pakuranga	24 Monthly	1
109 Ennis Ave	Pakuranga	24 Monthly	1
113 Ennis Ave	Pakuranga	24 Monthly	1
13 Malloy Pl	Bucklands Beach	24 Monthly	1
12 Malloy Pl	Bucklands Beach	24 Monthly	1
22R Pakuranga Rd	Pakuranga	24 Monthly	1
20R Pakuranga Rd	Pakuranga	24 Monthly	1
22 Pakuranga Rd	Pakuranga	24 Monthly	1
30 Pakuranga Road, 46	Pakuranga	24 Monthly	1
36 Pakuranga Rd	Pakuranga	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
34 Pakuranga Rd	Pakuranga	24 Monthly	2
46 Pakuranga Rd	Pakuranga	24 Monthly	1
232 Pakuranga Rd, 230	Pakuranga	24 Monthly	1
244 Pakuranga Rd	Pakuranga	24 Monthly	1
7 Pohutukawa Ave	Shelly Park	24 Monthly	1
106 Prince Regent Dr	Farm Cove	24 Monthly	1
17 Rangitoto View Rd	Cockle Bay	24 Monthly	1
19 Rangitoto View Rd, 17	Cockle Bay	24 Monthly	1
105 Tirakau Dr	Pakuranga	24 Monthly	1
1 Snell Pl	Pakuranga	24 Monthly	1
75 Takutai Ave	Half Moon Bay	24 Monthly	1
79 Takutai Ave	Half Moon Bay	24 Monthly	1
24 The Anchorage	Pakuranga	24 Monthly	1
66 Fisher Pde	Pakuranga	24 Monthly	1
36 The Boulevard, 30	Sunnyhills	24 Monthly	1
208 Ti Rakau Dr	Pakuranga	24 Monthly	1
71 Vincent St	Howick	24 Monthly	1
2 Waikaremoana Pl	Pakuranga	24 Monthly	1
83 Wellington St	Howick	24 Monthly	2
21V Windsong Crt	Howick	24 Monthly	1
23 Windsong Crt	Howick	24 Monthly	1
18 Windsong Crt	Howick	24 Monthly	1
58 Chelburn Cres	Mangere	24 Monthly	1
60 Chelburn Cres	Mangere	24 Monthly	1
70R Chelburn Cres	Mangere	24 Monthly	1
39 Garus Ave	Mangere	24 Monthly	1
Garus Ave	Mangere	24 Monthly	1
5 Archboyd Ave	Mangere	24 Monthly	1
Archboyd Ave	Mangere	24 Monthly	1
9 Archboyd Ave	Mangere	24 Monthly	1
42R Archboyd Ave	Mangere	24 Monthly	1
23 Archboyd Ave	Mangere	24 Monthly	1
25 Archboyd Ave	Mangere	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
29 Archboyd Ave	Mangere	24 Monthly	1
33 Archboyd Ave	Mangere	24 Monthly	1
39 Archboyd Ave	Mangere	24 Monthly	1
47 Archboyd Ave	Mangere	24 Monthly	1
81R Archboyd Ave	Mangere	24 Monthly	3
75 Archboyd Ave	Mangere	24 Monthly	1
1 Wood Ave	Mangere	24 Monthly	1
3 Chipping Dale	Mangere	24 Monthly	2
9 Church Rd	Mangere	24 Monthly	1
7R Church Rd	Mangere	24 Monthly	1
5 Derrett Pl	Mangere	24 Monthly	1
143 Favona Rd	Mangere	24 Monthly	1
145 Favona Rd	Mangere	24 Monthly	1
9 Hilda Rd	Mangere	24 Monthly	1
2 Mary Pl	Mangere	24 Monthly	1
1A Mary Pl	Mangere	24 Monthly	1
10R Mary Pl	Mangere	24 Monthly	4
21 Lachlan Pl	Mangere	24 Monthly	1
11 Lachlan Pl	Mangere	24 Monthly	1
38R Harania Ave	Mangere	24 Monthly	1
40R Harania Ave	Mangere	24 Monthly	1
54 Harania Ave	Mangere	24 Monthly	1
Ferguson Street, 30	Mangere	24 Monthly	1
83 Beaumonts Way	Mangere	24 Monthly	1
8 Kevale Pl	Mangere	24 Monthly	1
88 Beaumonts Way	Mangere	24 Monthly	1
18 Langiola Drive, 14	Favona	24 Monthly	1
81S Gray Ave	Mangere	24 Monthly	1
85A Gray Ave	Mangere	24 Monthly	1
60 Mahia Rd	Mangere	24 Monthly	3
48 Holmes Rd	Mangere	24 Monthly	1
32 Holmes Rd	Mangere	24 Monthly	1
22 Holmes Rd	Mangere	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
28R Cyclamen Res	Mangere	24 Monthly	8
6 Nevis Pl	Mangere	24 Monthly	1
16 Forbury Pl	Mangere	24 Monthly	1
71 Friesian Dr	Mangere	24 Monthly	1
14 Pito Pl	Mangere	24 Monthly	1
7 Hinau Rd	Mangere	24 Monthly	1
53R Raglan St	Mangere	24 Monthly	2
10 Haddon St	Mangere	24 Monthly	1
18 Haddon St	Mangere	24 Monthly	1
30 Haddon St	Mangere	24 Monthly	1
46 Haddon St	Mangere	24 Monthly	1
50 Haddon St	Mangere	24 Monthly	1
59 Henwood Rd	Mangere	24 Monthly	2
55 Henwood Rd	Mangere	24 Monthly	1
13 Ridgemount Rise	Mangere	24 Monthly	1
20 Royton Ave	Mangere	24 Monthly	1
Royton Ave, 20	Mangere	24 Monthly	1
15 Viscount St	Mangere	24 Monthly	1
81 Wallace Rd	Mangere	24 Monthly	1
85 Wallace Rd	Mangere	24 Monthly	1
87 Wallace Rd	Mangere	24 Monthly	1
76 Wallace Rd	Mangere	24 Monthly	1
10 Wellesley Rd	Mangere	24 Monthly	1
18 Wellesley Rd	Mangere	24 Monthly	1
28 Wellesley Rd	Mangere	24 Monthly	1
Wellesley Road, 44	Mangere	24 Monthly	1
38 Wellesley Rd	Mangere	24 Monthly	3
39 Wellesley Rd	Mangere	24 Monthly	1
3 Kiekie Rd	Mangere	24 Monthly	1
95R Otara Rd	Otara	24 Monthly	2
34 Alfriston Rd	Alfriston	24 Monthly	1
30 Alfriston Rd	Alfriston	24 Monthly	1
28 Alfriston Rd	Alfriston	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
26 Alfriston Rd	Alfriston	24 Monthly	1
24 Alfriston Rd	Alfriston	24 Monthly	1
17 Alfriston Rd	Alfriston	24 Monthly	1
14A Alfriston Road, 34	Alfriston	24 Monthly	2
6 Alfriston Rd	Alfriston	24 Monthly	2
4 Alfriston Rd	Alfriston	24 Monthly	1
2 Alfriston Rd	Alfriston	24 Monthly	1
5 Alfriston Rd	Alfriston	24 Monthly	1
52 Alfriston Rd	Alfriston	24 Monthly	1
58 Druces Rd	Manukau	24 Monthly	1
54 Druces Rd	Manukau	24 Monthly	2
61 Antrim Cres	Otara	24 Monthly	1
62 Bairds Rd	Otara	24 Monthly	1
6 Larsen St	Otara	24 Monthly	1
228 Bairds Rd	Otara	24 Monthly	1
304 Bairds Rd	Otara	24 Monthly	1
38 Liverpool Ave	Manukau	24 Monthly	1
333 East Tamaki Rd	Otara	24 Monthly	2
331 East Tamaki Rd	Otara	24 Monthly	2
329 East Tamaki Rd	Otara	24 Monthly	2
3 Birmingham Rd	Otara	24 Monthly	1
191R Preston Rd	Otara	24 Monthly	1
193 Preston Rd	Otara	24 Monthly	1
199 Preston Rd	Otara	24 Monthly	1
201 Preston Rd	Otara	24 Monthly	1
4 Fisher Crescent	Otara	24 Monthly	1
12 Fisher Crescent	Otara	24 Monthly	1
22 Fisher Crescent	Otara	24 Monthly	1
36 Fisher Crescent	Otara	24 Monthly	1
42 Fisher Crescent	Otara	24 Monthly	1
48 Fisher Crescent	Otara	24 Monthly	1
52 Fisher Crescent	Otara	24 Monthly	1
10S Ferguson Rd	Otara	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
231 East Tamaki Rd	Otara	24 Monthly	1
219 East Tamaki Rd	Otara	24 Monthly	1
4 Ferguson Rd	Otara	24 Monthly	1
7 Ferguson Rd	Otara	24 Monthly	1
205R East Tamaki Rd	Otara	24 Monthly	2
14 Gifford Rd	Papatoetoe	24 Monthly	3
139D Wyllie Rd	Papatoetoe	24 Monthly	1
139E Wyllie Rd	Papatoetoe	24 Monthly	1
139G Wyllie Rd	Papatoetoe	24 Monthly	1
147 Wyllie Rd	Papatoetoe	24 Monthly	1
23Z Eric Baker Pl	Papatoetoe	24 Monthly	1
289 Shirley Rd	Papatoetoe	24 Monthly	3
291 Shirley Rd	Papatoetoe	24 Monthly	1
289 471	Papatoetoe	24 Monthly	1
283 Shirley Rd	Papatoetoe	24 Monthly	1
279 Shirley Rd	Papatoetoe	24 Monthly	1
710 Great South Rd	Manukau	24 Monthly	1
1 Gladding Pl	Manukau	24 Monthly	2
2 Gladding Pl	Manukau	24 Monthly	2
1 Bakerfield Pl	Manukau	24 Monthly	2
131 Kerrs Rd	Manukau	24 Monthly	1
137 Kerrs Rd	Manukau	24 Monthly	1
145 Kerrs Rd	Manukau	24 Monthly	1
149 Kerrs Rd	Manukau	24 Monthly	1
157 Kerrs Rd	Manukau	24 Monthly	4
52 Ash Rd	Manukau	24 Monthly	1
55 Ash Rd	Manukau	24 Monthly	1
129Z Bairds Rd	Otara	24 Monthly	1
123 Bairds Rd	Otara	24 Monthly	1
128 Bairds Rd	Otara	24 Monthly	1
6 Hayman St	Otara	24 Monthly	1
7 Lovegrove Cres	Otara	24 Monthly	4
50 Lovegrove Cres	Otara	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
44 Lovegrove Cres	Otara	24 Monthly	1
11 Malaspina Pl	Papatoetoe	24 Monthly	1
15 Malaspina Pl	Papatoetoe	24 Monthly	1
19 Malaspina Pl	Papatoetoe	24 Monthly	1
25 Malaspina Pl	Papatoetoe	24 Monthly	1
27 Malaspina Ave, 13	Papatoetoe	24 Monthly	1
Milton 31 & 33	Papatoetoe	24 Monthly	1
19 Phoenix Pl	Papatoetoe	24 Monthly	1
223 Shirley Rd	Papatoetoe	24 Monthly	1
32 Addington Ave	Manurewa	24 Monthly	1
Antalya Pl, 10	Manurewa	24 Monthly	1
63 Beechdale Cres	Manurewa	24 Monthly	1
48 Beechdale Cres	Manurewa	24 Monthly	1
10 Ebenezer Way	Weymouth	24 Monthly	1
130A Browns Rd	Manurewa	24 Monthly	1
132B Browns Rd	Manurewa	24 Monthly	1
134B Browns Road, 126	Manurewa	24 Monthly	1
142A Browns Rd	Manurewa	24 Monthly	1
150A Browns Rd	Manurewa	24 Monthly	1
52 Carnoustie Dr	Manurewa	24 Monthly	1
10 Christmas Rd	Manurewa	24 Monthly	1
4 Christmas Rd	Manurewa	24 Monthly	1
29 Mahia Rd	Manurewa	24 Monthly	1
27 Mahia Rd	Manurewa	24 Monthly	1
34 Mahia Rd	Manurewa	24 Monthly	2
18A Mahia Rd	Manurewa	24 Monthly	1
33 Christmas Rd	Manurewa	24 Monthly	1
105R Beaumonts Way	Manurewa	24 Monthly	1
46 Coxhead Rd	Manurewa	24 Monthly	1
54 Collie St	Manurewa	24 Monthly	1
36 Gibbons Rd	Weymouth	24 Monthly	1
3 Booker Pl	Weymouth	24 Monthly	1
4 Booker Pl	Weymouth	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
7 Huber St	Weymouth	24 Monthly	1
17 Huber St	Weymouth	24 Monthly	1
23 Huber St	Weymouth	24 Monthly	3
20 Huber St	Weymouth	24 Monthly	1
320 Great South Rd	Manurewa	24 Monthly	1
276 Great South Rd	Manurewa	24 Monthly	1
4 Stroll Pl	Manurewa	24 Monthly	1
3 Stroll Pl	Manurewa	24 Monthly	2
24V Finlayson Ave	Manurewa	24 Monthly	1
43 Finlayson Ave	Manurewa	24 Monthly	1
2 Freshney Pl	Hill Park	24 Monthly	1
42 Scenic Dr	Hill Park	24 Monthly	1
1 Frobisher Way	Clendon Park	24 Monthly	1
13 Moncrieff Ave	Clendon Park	24 Monthly	1
320 Great South Rd	Manurewa	24 Monthly	1
3320R Great South Rd	Manurewa	24 Monthly	1
61 Greenmeadows Ave	Manurewa	24 Monthly	1
52 Greenmeadows Ave	Manurewa	24 Monthly	1
54 Greenmeadows Ave	Manurewa	24 Monthly	1
62 Greenmeadows Ave	Manurewa	24 Monthly	1
107 Hyperion Dr	Manurewa	24 Monthly	1
3 Hywell Pl	Manurewa	24 Monthly	1
25W Kahurangi Pl	Hill Park	24 Monthly	1
33 Leaver Pl	Weymouth	24 Monthly	1
33 Leaver Pl	Weymouth	24 Monthly	1
19 Maich Rd	Manurewa	24 Monthly	1
23 Maich Rd	Manurewa	24 Monthly	1
24A Maich Rd	Manurewa	24 Monthly	1
22A Maich Rd	Manurewa	24 Monthly	1
10 Marr Rd	Manurewa	24 Monthly	1
34 Marr Rd	Manurewa	24 Monthly	1
68 McAnnalley St	Manurewa	24 Monthly	1
30 McKean Ave	Manurewa	24 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
29S McKean Ave	Manurewa	24 Monthly	1
61 Orams Rd	Manurewa	24 Monthly	1
17R Palmers Rd	Clendon Park	24 Monthly	1
56W Watts Rd	Manurewa	24 Monthly	1
150A Browns Rd	Manurewa	24 Monthly	3
145S Rowandale Ave	Manurewa	24 Monthly	2
155 Rowandale Ave	Manurewa	24 Monthly	1
166 Rowandale Ave	Manurewa	24 Monthly	1
24 Brentford Pl	Manurewa	24 Monthly	1
20 Brentford Pl	Manurewa	24 Monthly	1
14 Brentford Pl	Manurewa	24 Monthly	1
50 Wymouth Rd	Manurewa	24 Monthly	1
13 Scenic Dr	Hill Park	24 Monthly	1
16 Scenic Dr	Hill Park	24 Monthly	1
12 Scenic Dr	Hill Park	24 Monthly	1
9 Tampin Rd	Manurewa	24 Monthly	1
4 Tomlinson St	Manurewa	24 Monthly	1
2 Tomlinson St	Manurewa	24 Monthly	1
28 Tampin Rd	Manurewa	24 Monthly	1
10 Weymouth Rd	Weymouth	24 Monthly	1
6 Weymouth Rd	Weymouth	24 Monthly	1
3A Woodside Rd	Weymouth	24 Monthly	1
5 Woodside Rd	Weymouth	24 Monthly	1
1 Woodside Rd	Weymouth	24 Monthly	1
229 Great South Rd	Weymouth	24 Monthly	1
3 Healy Rd	Manurewa	24 Monthly	1
7 Brampton Crt	Pakuranga	36 Monthly	1
1 Aylesbury St	Pakuranga	36 Monthly	1
Aylesbury St	Pakuranga	36 Monthly	1
34 Beechdale Cres	Pakuranga	36 Monthly	1
130 Bramley Dr	Farm Cove	36 Monthly	1
122 Bramley Dr	Farm Cove	36 Monthly	1
110 Bramley Dr	Farm Cove	36 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
96 Bramley Dr	Farm Cove	36 Monthly	1
104 Bramley Dr	Farm Cove	36 Monthly	1
112 Bramley Dr	Farm Cove	36 Monthly	1
118 Bramley Dr	Farm Cove	36 Monthly	1
124 Bramley Dr	Farm Cove	36 Monthly	1
16 Davita Pl	Farm Cove	36 Monthly	1
18 Davita Pl	Farm Cove	36 Monthly	1
23 Davita Pl	Farm Cove	36 Monthly	2
19 Davita Pl	Farm Cove	36 Monthly	1
Davita Pl	Farm Cove	36 Monthly	1
3R Estelle Pl	Farm Cove	36 Monthly	5
13 Estelle Pl	Farm Cove	36 Monthly	1
20 Rapallo Pl	Farm Cove	36 Monthly	1
10 Lochend Pl	Highland Park	36 Monthly	1
41 Udys Rd	Pakuranga	36 Monthly	1
58 Chelburn Cres	Howick	36 Monthly	1
81 Pakuranga Rd	Pakuranga	36 Monthly	1
26 Tamaki Bay Dr	Pakuranga	36 Monthly	1
4 Riverlea Ave	Pakuranga	36 Monthly	2
6 Riverlea Ave	Pakuranga	36 Monthly	1
10 Riverlea Ave	Pakuranga	36 Monthly	1
14 Riverlea Ave	Pakuranga	36 Monthly	2
16A Riverlea Ave	Pakuranga	36 Monthly	1
23 Browns Ave	Pakuranga	36 Monthly	1
20 Riverlea Ave	Pakuranga	36 Monthly	1
28 Riverlea Ave	Pakuranga	36 Monthly	1
29 Browns Ave	Pakuranga	36 Monthly	1
32 Browns Ave	Pakuranga	36 Monthly	1
28 Browns Ave	Pakuranga	36 Monthly	1
24 Browns Ave	Pakuranga	36 Monthly	1
21 Williams Ave	Pakuranga	36 Monthly	1
19 Williams Ave	Pakuranga	36 Monthly	1
21R Williams Ave	Pakuranga	36 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
46A Pakuranga Rd	Pakuranga	36 Monthly	1
65 Takutai Ave	Half Moon Bay	36 Monthly	1
66 Takutai Ave, 61	Half Moon Bay	36 Monthly	1
8 The Rosebowl	Pakuranga	36 Monthly	1
10 Meadway	Pakuranga	36 Monthly	1
12 Meadway	Pakuranga	36 Monthly	1
15 Meadway	Pakuranga	36 Monthly	1
17 Meadway	Pakuranga	36 Monthly	1
19 Meadway	Pakuranga	36 Monthly	1
232 Pakuranga Rd	Pakuranga	36 Monthly	1
24 Pakuranga Rd	Pakuranga	36 Monthly	1
248 Pakuranga Rd	Pakuranga	36 Monthly	2
317 Pakuranga Rd	Pakuranga	36 Monthly	1
38 Whiteacres Dr	Pakuranga	36 Monthly	3
42 Stanniland St	Pakuranga	36 Monthly	1
36 Stanniland St	Pakuranga	36 Monthly	1
30 Stanniland St	Pakuranga	36 Monthly	1
28 Stanniland St	Pakuranga	36 Monthly	1
24 Stanniland St	Pakuranga	36 Monthly	1
5 Hemsway Pl	Pakuranga	36 Monthly	1
9 Hemsway Pl	Pakuranga	36 Monthly	1
10 Hemsway Pl	Pakuranga	36 Monthly	1
270 Pakuranga Rd	Pakuranga	36 Monthly	1
266R Pakuranga Rd	Pakuranga	36 Monthly	1
377R Pakuranga Rd	Pakuranga	36 Monthly	1
4 Allen Ave	Papatoetoe	36 Monthly	1
127 Shirley Rd	Papatoetoe	36 Monthly	2
Shirley Rd	Papatoetoe	36 Monthly	3
Coronation Road, 50	Papatoetoe	36 Monthly	1
142 Shirley Rd	Papatoetoe	36 Monthly	1
2B Jennifer Pl	Papatoetoe	36 Monthly	1
13 Spring St	Papatoetoe	36 Monthly	1
19 Spring St	Papatoetoe	36 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
18 Spring St	Papatoetoe	36 Monthly	1
60 Ashlynne Ave	Papatoetoe	36 Monthly	1
54A Ashlynne Ave	Papatoetoe	36 Monthly	1
54 Ashlynne Ave	Papatoetoe	36 Monthly	1
28R Hamill Rd	Otara	36 Monthly	2
15 Gubb Pl	Otara	36 Monthly	1
10 Gubb Pl	Otara	36 Monthly	1
25 Hills Rd	Otara	36 Monthly	1
14 Hills Rd	Otara	36 Monthly	1
168R East Tamaki Rd	Otara	36 Monthly	6
186R East Tamaki Rd	Otara	36 Monthly	1
38R Lovegrove Cres	Otara	36 Monthly	3
13 Laureston Ave	Papatoetoe	36 Monthly	2
17A Laureston Ave	Papatoetoe	36 Monthly	1
727 Great South Rd	Papatoetoe	36 Monthly	1
719V Great South Rd	Papatoetoe	36 Monthly	3
717 Great South Rd	Papatoetoe	36 Monthly	2
21R Laureston Ave	Papatoetoe	12 Monthly	1
2 Malte Brun Pl	Papatoetoe	36 Monthly	2
13 Lendenfield Dr	Papatoetoe	36 Monthly	1
17 Lendenfield Dr	Papatoetoe	36 Monthly	1
23 Lendenfield Dr	Papatoetoe	36 Monthly	1
34 Lendenfield Dr	Papatoetoe	36 Monthly	1
38 Lendenfield Dr	Papatoetoe	36 Monthly	1
50 Albaster Dr	Papatoetoe	36 Monthly	1
64 Albaster Dr	Papatoetoe	36 Monthly	1
74 Albaster Dr	Papatoetoe	36 Monthly	1
84 Albaster Dr	Papatoetoe	36 Monthly	1
12R Beaufort Pl	Papatoetoe	36 Monthly	1
96 Albaster Dr	Papatoetoe	36 Monthly	1
88 Hillcrest Rd	Papatoetoe	36 Monthly	2
86R Hillcrest Rd	Papatoetoe	36 Monthly	1
31 Nola Cres	Otara	36 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
25 Cobham Cres	Otara	36 Monthly	1
39 Cobham Cres	Otara	36 Monthly	2
8W Cobham Cres	Otara	36 Monthly	1
95R Otara Rd	Otara	36 Monthly	3
100R Otara Rd	Otara	36 Monthly	2
87 Gilbert Rd	Otara	36 Monthly	1
14 Perth St	Otara	36 Monthly	1
6 Perth St	Otara	36 Monthly	1
45 Johnstones Rd	Otara	36 Monthly	1
66 Johnstones Rd	Otara	36 Monthly	1
13 Bolton Pl	Otara	36 Monthly	1
20 Bolton Pl	Otara	36 Monthly	1
14 Bolton Pl	Otara	36 Monthly	2
76R Hills Rd	Otara	36 Monthly	1
322 Bairds Rd	Otara	36 Monthly	1
84 Buckland Rd	Mangere	36 Monthly	1
83 Buckland Rd	Mangere	36 Monthly	1
38 Hallberry Rd	Mangere	36 Monthly	1
29 Hallberry Rd	Mangere	36 Monthly	1
27 Hallberry Rd	Mangere	36 Monthly	1
25 Hallberry Rd	Mangere	36 Monthly	1
23 Hallberry Rd	Mangere	36 Monthly	1
12 Robyn Pl	Mangere	36 Monthly	1
11 Robyn Pl	Mangere	36 Monthly	1
26 Greame Ave	Mangere	36 Monthly	1
34 Greame Ave	Mangere	36 Monthly	1
48 Greame Ave	Mangere	36 Monthly	1
68 Hain Ave	Mangere	36 Monthly	1
41 Earlsworth Rd	Mangere	36 Monthly	1
39 Earlsworth Rd	Mangere	36 Monthly	1
35A Earlsworth Rd	Mangere	36 Monthly	1
29 Earlsworth Rd	Mangere	36 Monthly	1
25 Earlsworth Rd	Mangere	36 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
19A Earlsworth Rd	Mangere	36 Monthly	1
18A Wedgwood Ave	Mangere	36 Monthly	2
16 Wedgwood Ave	Mangere	36 Monthly	1
12 Wedgwood Ave	Mangere	36 Monthly	1
8 Wedgwood Ave	Mangere	36 Monthly	1
49 Gray Ave	Mangere	36 Monthly	1
47 Gray Ave	Mangere	36 Monthly	1
50 Gray Ave	Mangere	36 Monthly	1
54 Gray Ave	Mangere	36 Monthly	1
61 Rosella Rd	Mangere	36 Monthly	1
6 Davita Pl	Farm Cove	36 Monthly	1
12 Gadsby Rd	Mangere	36 Monthly	1
5 Gadsby Rd	Mangere	36 Monthly	1
5 Tua Pl	Mangere	36 Monthly	1
10 Jordan Rd	Mangere	36 Monthly	1
9 Jordan Rd	Mangere	36 Monthly	1
11 Jordan Rd	Mangere	36 Monthly	1
11 Lawford Pl	Mangere	36 Monthly	1
6 Lawford Pl	Mangere	36 Monthly	1
45 Staverton Cres	Mangere	36 Monthly	1
34 Staverton Cres	Mangere	36 Monthly	1
9 Norton Pl	Mangere	36 Monthly	1
8 Staverton Cres	Mangere	36 Monthly	1
17 Staverton Cres	Mangere	36 Monthly	1
15 Staverton Cres	Mangere	36 Monthly	1
22 Vimy Pl	Mangere	36 Monthly	1
22 Vimy Pl	Mangere	36 Monthly	1
37 Viscount St	Mangere	36 Monthly	1
28 Viscount St	Mangere	36 Monthly	1
5 Valetta Pl	Mangere	36 Monthly	1
23 Mariner St	Mangere	36 Monthly	1
9 Sperry Pl	Mangere	36 Monthly	1
11 Idlewild Ave	Mangere	36 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
6 Lynette Pl	Mangere	36 Monthly	1
32 Kirkbridge Rd	Mangere	36 Monthly	1
156 McKenzie Rd	Mangere	36 Monthly	1
146 McKenzie Rd	Mangere	36 Monthly	1
142R McKenzie Rd	Mangere	36 Monthly	1
138 McKenzie Rd	Mangere	36 Monthly	1
134 Jordan Road, 10	Mangere	36 Monthly	1
28R Kirkbridge Rd	Mangere	36 Monthly	1
50 Bramley Dr	Mangere	36 Monthly	1
85 Wallace Rd	Mangere	36 Monthly	1
12 Wood Ave	Mangere	36 Monthly	1
45 Bader Dr	Mangere	36 Monthly	1
40 Bader Dr	Mangere	36 Monthly	1
61 Beaumonts Way	Manurewa	36 Monthly	1
5 Ebenezer Way	Manurewa	36 Monthly	1
1 Ebenezer Way	Manurewa	36 Monthly	1
2 Ebenezer Way	Manurewa	36 Monthly	1
71 Palmers Rd	Manurewa	36 Monthly	2
9 Kennington Dr	Manurewa	36 Monthly	1
7 Kennington Dr	Manurewa	36 Monthly	1
10V Kennington Dr	Manurewa	36 Monthly	1
7 Maplesden Dr	Manurewa	36 Monthly	1
3 Maplesden Dr	Manurewa	36 Monthly	1
191 Finlayson Ave	Manurewa	36 Monthly	1
14 Wai Iti Pl	Manurewa	36 Monthly	1
20 Wai Iti Pl	Manurewa	36 Monthly	1
57 Bellville Dr	Manurewa	36 Monthly	1
51 Bellville Dr	Manurewa	36 Monthly	1
32 Otara Rd	Otara	36 Monthly	1
36 Otara Rd	Otara	36 Monthly	1
34 Everglade Dr	Manukau	36 Monthly	1
58R Great South Rd	Manurewa	36 Monthly	1
108A Great South Rd	Manurewa	36 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
3 Lakewood Crt	Manukau	36 Monthly	3
4 Halver Rd	Manurewa	36 Monthly	2
7 Halver Rd	Manurewa	36 Monthly	1
1 Kay Rd	Manurewa	36 Monthly	1
34 Russell Rd	Manurewa	36 Monthly	1
23 Mahia Rd	Manurewa	36 Monthly	1
32 Mahia Rd	Manurewa	36 Monthly	1
26 Molesworth Pl	Mangere	36 Monthly	1
32 Molesworth Pl	Mangere	36 Monthly	1
18R Roys Rd	Weymouth	36 Monthly	1
Roys Rd	Weymouth	36 Monthly	1
573 Weymouth Rd	Weymouth	36 Monthly	1
567 Weymouth Rd	Weymouth	36 Monthly	1
Weymouth Rd	Weymouth	36 Monthly	1
Lawson Way	Weymouth	36 Monthly	2
31R Beihlers Rd	Weymouth	36 Monthly	1
29 Beihlers Rd	Weymouth	36 Monthly	1
29R Hazards Rd	Weymouth	36 Monthly	3
5 Trevor Hoskin Dr	Manukau	36 Monthly	2
4 Tourmalin Pl	Manukau	36 Monthly	1
9 Trevor Hoskin Dr	Manukau	36 Monthly	1
Trevor Hoskin Drive, 11	Manukau	36 Monthly	1
134 Wordsworth Rd	Manurewa	36 Monthly	1
101 Rowandale Ave	Manurewa	36 Monthly	2
11 Jellicoe Rd	Manurewa	36 Monthly	1
3 Jellicoe Rd	Manurewa	36 Monthly	1
5 Beatty Ave	Manurewa	36 Monthly	1
10 Beatty Ave	Manurewa	36 Monthly	1
20 Beatty Ave	Manurewa	36 Monthly	1
Beatty Ave	Manurewa	36 Monthly	1
28B Maich Rd	Manurewa	36 Monthly	1
James Rd	Manurewa	36 Monthly	1
31R Russell Rd	Manurewa	36 Monthly	5

Address	Suburb	Frequency (Months)	Number of associated pipes
27 Sean Fitzpatric Pl	Otara	36 Monthly	1
39 Sean Fitzpatric Pl	Otara	36 Monthly	1
39V Sean Fitzpatric Pl	Otara	36 Monthly	1
43 Sean Fitzpatric Pl	Otara	36 Monthly	1
660 Great South Rd	Otara	36 Monthly	2
17 Bairds Rd	Otara	36 Monthly	1
11 Bairds Rd	Otara	36 Monthly	2
Bairds Rd	Otara	36 Monthly	2
40 Bairds Rd	Otara	36 Monthly	8
650 Great South Rd	Otara	36 Monthly	1
638 Great South Rd	Otara	36 Monthly	2
223W Bairds Rd	Otara	36 Monthly	1
231 Bairds Rd	Otara	36 Monthly	1
32 Fisher Cres	Otara	36 Monthly	1
29 McCrystal Ave	Eastern Beach	36 Monthly	1
4 Jern Pl	Eastern Beach	36 Monthly	2
9 Eastern Beach Rd	Eastern Beach	36 Monthly	1
8 Eastern Beach Rd	Eastern Beach	36 Monthly	1
56 Vivian Wilson Dr	Eastern Beach	36 Monthly	1
31 Vivian Wilson Dr	Eastern Beach	36 Monthly	1
1 Hostel Access Rd	Eastern Beach	36 Monthly	4
6 Malloy Pl	Eastern Beach	36 Monthly	1
4 Malloy Pl	Eastern Beach	36 Monthly	1
9 Vivian Wilson Dr	Eastern Beach	36 Monthly	1
4 Vivian Wilson Dr	Eastern Beach	36 Monthly	1
14 Lynley Pl	Pakuranga	36 Monthly	1
25 Hope Farm Aave	Pakuranga	36 Monthly	1
36 Hope Farm Aave	Pakuranga	36 Monthly	2
8 Nan Pl	Pakuranga	36 Monthly	1
7 Nan Pl	Pakuranga	36 Monthly	1
50 Reelick Ave	Pakuranga	36 Monthly	1
33 Ben Lomond Cres	Pakuranga	36 Monthly	2
1 Canon Pl	Pakuranga	36 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
2 Canon Pl	Pakuranga	36 Monthly	1
43 Ben Lomond Cres	Pakuranga	36 Monthly	1
47 Ben Lomond Cres	Pakuranga	36 Monthly	1
51 Ben Lomond Cres	Pakuranga	36 Monthly	1
74R Hills Rd	Otara	36 Monthly	1
72R Alexander Cres	Otara	36 Monthly	9
38R Lovegrove Cres	Otara	36 Monthly	4
9 Steeple Rise	Pakuranga	36 Monthly	1
106 Pakuranga Rd	Pakuranga	36 Monthly	2
104 Pakuranga Rd	Pakuranga	36 Monthly	1
143R Pakuranga Rd	Pakuranga	36 Monthly	1
141 Pakuranga Rd	Pakuranga	36 Monthly	1
7 Brampton Crt	Pakuranga	36 Monthly	5
7 Aylesbury St	Pakuranga	36 Monthly	1
1 Aylesbury St	Pakuranga	36 Monthly	1
11 Reeves Rd	Pakuranga	36 Monthly	1
2 Cortina Pl	Pakuranga	36 Monthly	1
26 Ti Rakau Dr	Pakuranga	36 Monthly	1
25 Ti Rakau Dr	Pakuranga	36 Monthly	1
33 Dale Cres	Pakuranga	36 Monthly	1
8 Seven Oaks Dr	Pakuranga	36 Monthly	2
32 Bicknell Rd	Mangere	36 Monthly	1
60 Abiro Cres	Mangere	36 Monthly	1
52A Abiro Cres	Mangere	36 Monthly	1
3 Parkstone Pl	Mangere	36 Monthly	1
16 Parkstone Pl	Mangere	36 Monthly	1
10 Parkstone Pl	Mangere	36 Monthly	1
81R Archboyd Ave	Mangere	36 Monthly	5
19 Tomes Lane	Mangere	36 Monthly	1
14 Tomes Lane	Mangere	36 Monthly	1
21 Opawa Cres	Mangere	36 Monthly	1
31 Opawa Cres	Mangere	36 Monthly	1
41R Archboyd Ave	Mangere	36 Monthly	1

Address	Suburb	Frequency (Months)	Number of associated pipes
52 Marr Rd	Manurewa	36 Monthly	1
46 Marr Rd	Manurewa	36 Monthly	1
40 Marr Rd	Manurewa	36 Monthly	1
34 Marr Rd	Manurewa	36 Monthly	1
30 Marr Rd	Manurewa	36 Monthly	1
26 Marr Rd	Manurewa	36 Monthly	1
22 Marr Rd	Manurewa	36 Monthly	1
16 Marr Rd	Manurewa	36 Monthly	1
12 Marr Rd	Manurewa	36 Monthly	1
10 Marr Rd	Manurewa	36 Monthly	1
8 Marr Rd	Manurewa	36 Monthly	1
10A Daphne Rd	Papatoetoe	36 Monthly	1
16 Ferndown Ave	Papatoetoe	36 Monthly	1
4 Heathberry Cl	Papatoetoe	36 Monthly	1
19 Ferndown Ave	Papatoetoe	36 Monthly	1
2 Heathberry Cl	Papatoetoe	36 Monthly	1
8 Heathberry Cl	Papatoetoe	36 Monthly	1
18 Heathberry Cl	Papatoetoe	36 Monthly	1
57R Hillside Rd	Papatoetoe	36 Monthly	1
55 Hillside Rd	Papatoetoe	36 Monthly	2
18R Gordon Rd	Papatoetoe	36 Monthly	2
Gordon Rd	Papatoetoe	36 Monthly	1
24 Swaffield Rd	Papatoetoe	36 Monthly	1
32R Swaffield Rd	Papatoetoe	36 Monthly	3
4 Mclean Ave	Papatoetoe	36 Monthly	3
3 Harwell Pl	Mangere	36 Monthly	1
26 Killington Cres	Mangere	36 Monthly	1
20 Killington Cres	Mangere	36 Monthly	1
17 Killington Cres	Mangere	36 Monthly	1
107 Bader Dr	Mangere	36 Monthly	1
103 Bader Dr	Mangere	36 Monthly	1
12 Tacon Pl	Mangere	36 Monthly	1
68 Hillside Rd	Papatoetoe	36 Monthly	2

Address	Suburb	Frequency (Months)	Number of associated pipes
51 Hillside Rd	Papatoetoe	36 Monthly	3
48 Imrie Ave	Mangere	36 Monthly	1
46 Imrie Ave	Mangere	36 Monthly	1
38 Imrie Ave	Mangere	36 Monthly	1
34 Imrie Ave	Mangere	36 Monthly	1
26 Imrie Ave	Mangere	36 Monthly	1
22V Imrie Ave	Mangere	36 Monthly	1
21R Laureston Ave	Papatoetoe	36 Monthly	6
35A Laureston Ave	Papatoetoe	36 Monthly	1
58 Moncrieff Ave	Manurewa	36 Monthly	1
60 Moncrieff Ave	Manurewa	36 Monthly	1
38 Finlayson Ave	Manurewa	36 Monthly	1
31 Finlayson Ave	Manurewa	36 Monthly	1
12 Brava Pl	Manurewa	36 Monthly	1
134 Pah Rd	Papatoetoe	36 Monthly	1
342 Roscommon Rd	Manurewa	36 Monthly	1
73 Waimahia Ave	Weymouth	36 Monthly	1
79 Waimahia Ave	Weymouth	36 Monthly	1
85 Waimahia Ave	Weymouth	36 Monthly	1
82 Waimahia Ave	Weymouth	36 Monthly	1
76 Waimahia Ave	Weymouth	36 Monthly	1
72 Waimahia Ave	Weymouth	36 Monthly	1
398S Weymouth Rd	Weymouth	36 Monthly	2
124 Wiri Station Rd	Manukau	36 Monthly	1
138 Manukau Station Rd	Manukau	36 Monthly	1
146 Manukau Station Rd	Manukau	36 Monthly	1
55A Woolfield Rd	Papatoetoe	36 Monthly	1

Table 3: Northern Region

Address	Suburb	Frequency (months)	Number of associated pipes
36 Outlook Rd	Greenhithe	12 Monthly	1
9 Manon Cres	Greenhithe	12 Monthly	1
29 Outlook Rd	Greenhithe	12 Monthly	3
1 Sunnyview Rd	Greenhithe	12 Monthly	2
29 Greenhithe Rd	Greenhithe	12 Monthly	3
13 Rahui Rd	Greenhithe	12 Monthly	1
28 Kingfisher Grv	Greenhithe	12 Monthly	1
73 Roland Rd	Greenhithe	12 Monthly	2
77 Roland Rd	Greenhithe	12 Monthly	4
73 Churchhouse Rd	Greenhithe	12 Monthly	1
11 Telstar Plc	Beachhaven	12 Monthly	1
5 Telstar Plc	Beachhaven	12 Monthly	1
19 Sispara Plc	Beachhaven	12 Monthly	1
71 Rangatiria Rd	Beachhaven	12 Monthly	1
79E Rangatiria Rd	Beachhaven	12 Monthly	2
79 Rangatiria Rd	Beachhaven	12 Monthly	1
39 Rangatiria Rd	Beachhaven	12 Monthly	1
35 Rangatiria Rd	Beachhaven	12 Monthly	1
50 Hellyers St	Beachhaven	12 Monthly	1
59 Hellyers St	Beachhaven	12 Monthly	1
23 Hellyers St	Beachhaven	12 Monthly	1
5 Hellyers St	Beachhaven	12 Monthly	1
14A O'Donn Ave	Beachhaven	12 Monthly	1
1 Packham Plc	Beachhaven	12 Monthly	1
23 Jacaranda Ave	Beachhaven	12 Monthly	1
34 Rosecamp Rd	Beachhaven	12 Monthly	1
22 Rosecamp Rd	Beachhaven	12 Monthly	1
25 Pluto Plc	Beachhaven	12 Monthly	2
42 Paragon Ave	Beachhaven	12 Monthly	1
53 Dominion St	Takapuna	12 Monthly	1
24 Karaka St	Takapuna	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
28 Karaka St	Takapuna	12 Monthly	1
40 Karaka St	Takapuna	12 Monthly	1
23 Karaka St	Takapuna	12 Monthly	1
31 Karaka St	Takapuna	12 Monthly	1
47 Karaka St	Takapuna	12 Monthly	1
57 Karaka St	Takapuna	12 Monthly	2
59 Karaka St	Takapuna	12 Monthly	1
62 Karaka St	Takapuna	12 Monthly	1
8 Puriri St	Takapuna	12 Monthly	1
2 The Terrace Tce	Takapuna	12 Monthly	1
30 Walter St	Hauraki	12 Monthly	1
32 Sydney St	Hauraki	12 Monthly	1
178 Hurstmere Rd	Takapuna	12 Monthly	1
The Promenade	Takapuna	12 Monthly	2
110 Hurstmere Rd	Takapuna	12 Monthly	1
128 Hurstmere Rd	Takapuna	12 Monthly	2
2 Killarney St	Takapuna	12 Monthly	1
140 Hurstmere Rd	Takapuna	12 Monthly	1
144 Hurstmere Rd	Takapuna	12 Monthly	1
Hurstmere Rd	Takapuna	12 Monthly	1
286 Hurstmere Rd	Takapuna	12 Monthly	1
13 Spencer Tce	Takapuna	12 Monthly	1
13 Francis St	Hauraki	12 Monthly	1
43A Marsden St	Hauraki	12 Monthly	1
18 Minehaha Ave	Takapuna	12 Monthly	1
6 The Promenade	Takapuna	12 Monthly	1
2 Barrys Point Rd	Takapuna	12 Monthly	2
18 Barrys Point Rd	Takapuna	12 Monthly	1
22 Barrys Point Rd	Takapuna	12 Monthly	1
1 Philomel Cres	Bayswater	12 Monthly	1
101 Lake Rd	Takapuna	12 Monthly	1
28 Waitemata Rd	Hauraki	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
26 Waitemata Rd	Hauraki	12 Monthly	1
49 Walter St	Hauraki	12 Monthly	1
32 Dominion St	Takapuna	12 Monthly	1
10 Dominion St	Takapuna	12 Monthly	2
14 Birchfield Rd	Hauraki	12 Monthly	1
47 Marsden St	Hauraki	12 Monthly	1
32 Seacliffe Ave	Takapuna	12 Monthly	1
38 Hurstmere Rd	Takapuna	12 Monthly	1
42 Hurstmere Rd	Takapuna	12 Monthly	1
62 Hurstmere Rd	Takapuna	12 Monthly	2
90 Hurstmere Rd	Takapuna	12 Monthly	1
21 Williamson Ave	Belmont	12 Monthly	1
17 Spencer Tce	Hauraki	12 Monthly	1
11 Spencer Tce	Hauraki	12 Monthly	1
40 Harley Rd	Hauraki	12 Monthly	1
35A Byron Ave	Takapuna	12 Monthly	3
31 Byron Ave	Takapuna	12 Monthly	1
47 Williamson Ave	Hauraki	12 Monthly	1
40 Northboro Rd	Hauraki	12 Monthly	1
37 Jutland St	Hauraki	12 Monthly	1
39 Jutland St	Hauraki	12 Monthly	1
47 Lake View Rd	Takapuna	12 Monthly	1
2 Anzac St	Takapuna	12 Monthly	2
18 Winscombe St	Takapuna	12 Monthly	2
37 Hart Rd	Hauraki	12 Monthly	1
25 Norman Rd	Hauraki	12 Monthly	1
27 Norman Rd	Hauraki	12 Monthly	1
5 Eucalyptus Plc	Birkdale	12 Monthly	1
3 Eucalyptus Plc	Birkdale	12 Monthly	1
28 Jacaranda Ave	Birkdale	12 Monthly	1
60 Brigantine Dr	Birkdale	12 Monthly	1
21 Jacaranda Ave	Birkdale	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
19 Chippendale Cres	Birkdale	12 Monthly	1
25 Chippendale Cres	Birkdale	12 Monthly	1
37 Chippendale Cres	Birkdale	12 Monthly	1
32 Levesque St	Birkdale	12 Monthly	1
3/46 Chippendale Cres	Birkdale	12 Monthly	1
142 Verbena Rd	Birkdale	12 Monthly	1
168 Verbena Rd	Birkdale	12 Monthly	1
11 Brussels Plc	Birkdale	12 Monthly	1
7 Brussels Plc	Birkdale	12 Monthly	4
10 Woodhams St	Birkdale	12 Monthly	2
51 Flaxdale St	Birkdale	12 Monthly	1
47 Flaxdale St	Birkdale	12 Monthly	2
45 Flaxdale St	Birkdale	12 Monthly	1
24 Stott Ave	Birkdale	12 Monthly	1
28 Valhalla Dr	Birkdale	12 Monthly	1
111 Island Bay Rd	Birkdale	12 Monthly	4
21 Sunnyhaven Ave	Birkdale	12 Monthly	1
11 Fuchsia Plc	Birkdale	12 Monthly	1
105 Canongate St	Birkdale	12 Monthly	1
1 Abbeygate St	Birkdale	12 Monthly	1
3 Abbeygate St	Birkdale	12 Monthly	2
7 Abbeygate St	Birkdale	12 Monthly	1
11 Abbeygate St	Birkdale	12 Monthly	1
17 Abbeygate St	Birkdale	12 Monthly	3
32 Abbeygate St	Birkdale	12 Monthly	1
16 Beeche Plc	Birkdale	12 Monthly	1
103A Stott Ave	Birkdale	12 Monthly	1
99 Stott Ave	Birkdale	12 Monthly	1
95 Stott Ave	Birkdale	12 Monthly	1
91 Stott Ave	Birkdale	12 Monthly	1
89 Stott Ave	Birkdale	12 Monthly	1
83 Stott Ave	Birkdale	12 Monthly	2

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
4 Hobby Ave	Birkdale	12 Monthly	2
12 Hobby Ave	Birkdale	12 Monthly	1
57 Gatman St	Birkdale	12 Monthly	2
49 Gatman St	Birkdale	12 Monthly	1
45 Gatman St	Birkdale	12 Monthly	1
41 Gatman St	Birkdale	12 Monthly	1
73 Stott Ave	Birkdale	12 Monthly	1
53 Stott Ave	Birkdale	12 Monthly	1
49 Stott Ave	Birkdale	12 Monthly	2
47 Stott Ave	Birkdale	12 Monthly	1
140 Birkdale Rd	Birkdale	12 Monthly	1
20 Target Rd	Glenfield	12 Monthly	1
24 Target Rd	Glenfield	12 Monthly	1
18 Spinella Dr	Glenfield	12 Monthly	1
15 James St	Glenfield	12 Monthly	1
19 James St	Glenfield	12 Monthly	1
46 Gladys Ave	Glenfield	12 Monthly	2
16 Elliot Ave	Glenfield	12 Monthly	1
4 Elliot Ave	Glenfield	12 Monthly	1
6 Elliot Ave	Glenfield	12 Monthly	1
34 Elliot Ave	Glenfield	12 Monthly	1
47 Chartwell Ave	Glenfield	12 Monthly	1
15 Locket Rd	Glenfield	12 Monthly	1
2 Roband Ave	Glenfield	12 Monthly	1
202 Archers Rd	Glenfield	12 Monthly	1
206 Archers Rd	Glenfield	12 Monthly	1
84 Chivalry Rd	Glenfield	12 Monthly	1
33 Totaravale Dr	Glenfield	12 Monthly	1
234 Archers Rd	Glenfield	12 Monthly	1
250 Archers Rd	Glenfield	12 Monthly	2
44 Valley View Rd	Glenfield	12 Monthly	1
54 Valley View Rd	Glenfield	12 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
R9 Normanton St	Glenfield	12 Monthly	1
95 Bruce Rd	Glenfield	12 Monthly	1
135 Diana Dr	Glenfield	12 Monthly	1
141 Diana Dr	Glenfield	12 Monthly	1
22 Blenheim St	Glenfield	12 Monthly	1
56 Elliot Ave	Glenfield	12 Monthly	1
48 Elliot Ave	Glenfield	12 Monthly	1
40 Elliot Ave	Glenfield	12 Monthly	1
22 Chartwell Ave	Glenfield	12 Monthly	1
115 Archers Rd	Glenfield	12 Monthly	1
132 Archers Rd	Glenfield	12 Monthly	1
140 Archers Rd	Glenfield	12 Monthly	1
88 Powrie St	Glenfield	12 Monthly	1
66 Easton Park Pde	Glenfield	12 Monthly	1
69 Chivalry Rd	Glenfield	12 Monthly	1
25 Girrahween Dr	Glenfield	12 Monthly	1
5 Ayton Dr	Glenfield	12 Monthly	1
2 Teviot Plc	Glenfield	12 Monthly	1
69 Manuka Rd	Glenfield	12 Monthly	1
32 Lingfield St	Marlborough	12 Monthly	5
62 Sylvia Rd	Northcote	12 Monthly	1
7 Kawana St	Northcote	12 Monthly	1
1 Kawana St	Northcote	12 Monthly	1
77 Lake Rd	Northcote	12 Monthly	1
16 Puawai Plc	Northcote	12 Monthly	1
25 Aorangi Plc	Northcote	12 Monthly	4
15 Aorangi Plc	Northcote	12 Monthly	2
61 McDowell Cres	Northcote	12 Monthly	1
17 Council Tce	Northcote	12 Monthly	2
65 Tonar St	Northcote	12 Monthly	1
18 Fraser Ave	Northcote	12 Monthly	1
62 Tonar St	Northcote	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
52 Cadness St	Northcote	12 Monthly	1
13 Arahia St	Northcote	12 Monthly	1
46 College Rd	Northcote	12 Monthly	1
30 Lingfield St	Marlborough	12 Monthly	3
146 Exmouth Rd	Northcote	12 Monthly	1
140 Exmouth Rd	Northcote	12 Monthly	1
21 Howard Rd	Northcote	12 Monthly	2
27 Howard Rd	Northcote	12 Monthly	1
3 Pearn Cres	Northcote	12 Monthly	1
27 Pearn Cres	Northcote	12 Monthly	1
29 Pearn Cres	Northcote	12 Monthly	1
115 Lake Rd	Northcote	12 Monthly	1
49 Pearn Cres	Northcote	12 Monthly	1
51 Pearn Cres	Northcote	12 Monthly	1
19 Kauri Glen Rd	Northcote	12 Monthly	1
8 Terrylyn Dr	Northcote	12 Monthly	1
6 Terrylyn Dr	Northcote	12 Monthly	1
6A Terrylyn Dr	Northcote	12 Monthly	1
208 Queen St	Northcote	12 Monthly	1
70 Queen St	Northcote	12 Monthly	1
10 St Peters St	Northcote	12 Monthly	1
18 St Peters St	Northcote	12 Monthly	1
R50 Kauri Glen Rd	Northcote	12 Monthly	1
6 Mahuta Grv	Northcote	12 Monthly	1
10 Paruru Ave	Northcote	12 Monthly	1
50 Raymond Tce	Northcote	12 Monthly	1
9 Tennyson St	Northcote	12 Monthly	1
28 Sulphur Beach Rd	Northcote	12 Monthly	4
19 Alfred St	Northcote	12 Monthly	1
54 Meadowood Dr	Albany	12 Monthly	1
2 Sevilla Plc	Albany	12 Monthly	1
66 Meadowood Dr	Albany	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
3 Barbados Dr	Albany	12 Monthly	1
9 Barbados Dr	Albany	12 Monthly	1
2 Barbados Dr	Albany	12 Monthly	1
74 Barbados Dr	Albany	12 Monthly	3
26 Tyburn Ln	Albany	12 Monthly	1
21 William Pickering Dr	Albany	12 Monthly	1
21 Piermark Dr	Albany	12 Monthly	1
45 Hugh Green Dr	Albany	12 Monthly	1
70 Spencer Rd	Albany	12 Monthly	3
8 Gills Rd	Albany	12 Monthly	2
2 Flavia Close Cl	Torbay	12 Monthly	1
7 Ian Sage	Torbay	12 Monthly	1
44 Weatherly Rd	Waiake	12 Monthly	1
34 Weatherly Rd	Waiake	12 Monthly	3
954 Beach Rd	Torbay	12 Monthly	1
107 Deep Creek Rd	Torbay	12 Monthly	1
121 Deep Creek Rd	Torbay	12 Monthly	1
2 Eagleson St	Torbay	12 Monthly	1
2 Bronwyn Plc	Torbay	12 Monthly	1
30 Glamorgan Dr	Torbay	12 Monthly	1
24 Glamorgan Dr	Torbay	12 Monthly	1
20 Glamorgan Dr	Torbay	12 Monthly	1
18 Glamorgan Dr	Torbay	12 Monthly	1
16 Glamorgan Dr	Torbay	12 Monthly	1
10 Glamorgan Dr	Torbay	12 Monthly	1
14 Battenburg Plc	Torbay	12 Monthly	1
20 Battenburg Plc	Torbay	12 Monthly	2
64 Glenvar Rd	Torbay	12 Monthly	1
62 Glenvar Rd	Torbay	12 Monthly	1
61 Awaruku Plc	Torbay	12 Monthly	1
9 June Plc	Torbay	12 Monthly	1
2 Rock Isle Rd	Torbay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
6 Rock Isle Rd	Torbay	12 Monthly	1
12 Rock Isle Rd	Torbay	12 Monthly	1
14 Rock Isle Rd	Torbay	12 Monthly	1
18 Rock Isle Rd	Torbay	12 Monthly	1
20 Rock Isle Rd	Torbay	12 Monthly	1
22 Rock Isle Rd	Torbay	12 Monthly	1
5 Glamorgan Dr	Torbay	12 Monthly	1
13 Glenvar Rd	Torbay	12 Monthly	2
5 Ringwood St	Torbay	12 Monthly	1
58 Sharon Rd	Torbay	12 Monthly	1
32 Cranston St	Torbay	12 Monthly	1
52 Acacia Rd	Torbay	12 Monthly	2
38 Acacia Rd	Torbay	12 Monthly	1
37 Acacia Rd	Torbay	12 Monthly	1
30 Sartors Ave	Browns Bay	12 Monthly	1
20 Sartors Ave	Browns Bay	12 Monthly	2
17 Sartors Ave	Browns Bay	12 Monthly	1
79 Stredwick Dr	Browns Bay	12 Monthly	1
61 Stredwick Dr	Browns Bay	12 Monthly	1
39 Anzac Rd	Browns Bay	12 Monthly	1
146 Stapleford Cres	Browns Bay	12 Monthly	1
142 Stapleford Cres	Browns Bay	12 Monthly	2
140 Stapleford Cres	Browns Bay	12 Monthly	1
51 Stapleford Cres	Browns Bay	12 Monthly	1
15 Woodlands Cres	Browns Bay	12 Monthly	1
3 Woodlands Cres	Browns Bay	12 Monthly	3
7 Bute Rd	Browns Bay	12 Monthly	1
13 Bute Rd	Browns Bay	12 Monthly	3
19 Bute Rd	Browns Bay	12 Monthly	2
21 Bute Rd	Browns Bay	12 Monthly	2
1 Glen Rd	Browns Bay	12 Monthly	1
3 Glen Rd	Browns Bay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
481A East Coast Rd	Browns Bay	12 Monthly	1
477 East Coast Rd	Browns Bay	12 Monthly	1
8 Dalmeny Cl	Browns Bay	12 Monthly	2
11 Celina Plc	Browns Bay	12 Monthly	1
14 Celina Plc	Browns Bay	12 Monthly	2
15 Scarlock Ave	Browns Bay	12 Monthly	1
18 Scarlock Ave	Browns Bay	12 Monthly	1
29 Orchard Rd	Browns Bay	12 Monthly	2
688 East Coast Rd	Browns Bay	12 Monthly	1
2 Newstead Ave	Browns Bay	12 Monthly	1
660 Beach Rd	Browns Bay	12 Monthly	1
672 Beach Rd	Browns Bay	12 Monthly	2
676 Beach Rd	Browns Bay	12 Monthly	2
684 Beach Rd	Browns Bay	12 Monthly	1
690 Beach Rd	Browns Bay	12 Monthly	1
741 Beach Rd	Browns Bay	12 Monthly	1
747 Beach Rd	Browns Bay	12 Monthly	1
91 Churchill Rd	Rothesay Bay	12 Monthly	1
83 Churchill Rd	Rothesay Bay	12 Monthly	1
73 Churchill Rd	Rothesay Bay	12 Monthly	1
63 Churchill Rd	Rothesay Bay	12 Monthly	1
101A Churchill Rd	Rothesay Bay	12 Monthly	1
49 Churchill Rd	Rothesay Bay	12 Monthly	1
51 Churchill Rd	Rothesay Bay	12 Monthly	1
53 Churchill Rd	Rothesay Bay	12 Monthly	1
24 Macnay Way	Rothesay Bay	12 Monthly	1
47 Saddleback Rise	Rothesay Bay	12 Monthly	2
20 Macnay Way	Rothesay Bay	12 Monthly	1
51 Saddleback Rise	Rothesay Bay	12 Monthly	2
2 Macnay Way	Rothesay Bay	12 Monthly	1
3 Macnay Way	Rothesay Bay	12 Monthly	3
61 Saddleback Rise	Rothesay Bay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
67 Saddleback Rise	Rothsay Bay	12 Monthly	1
71 Saddleback Rise	Rothsay Bay	12 Monthly	1
79 Saddleback Rise	Rothsay Bay	12 Monthly	1
83 Saddleback Rise	Rothsay Bay	12 Monthly	1
85 Saddleback Rise	Rothsay Bay	12 Monthly	1
8 Montana Ave	Rothsay Bay	12 Monthly	1
95 Saddleback Rise	Rothsay Bay	12 Monthly	1
26 Seaton Rd	Rothsay Bay	12 Monthly	1
26 Sandown Rd	Rothsay Bay	12 Monthly	2
9 Westbourne Rd	Rothsay Bay	12 Monthly	1
3 Sandown Rd	Rothsay Bay	12 Monthly	1
7 Sandown Rd	Rothsay Bay	12 Monthly	1
11 Sandown Rd	Rothsay Bay	12 Monthly	1
15 Sandown Rd	Rothsay Bay	12 Monthly	1
645 Beach Rd	Rothsay Bay	12 Monthly	1
518 Beach Rd	Murrays Bay	12 Monthly	1
5 Apollo Pl	Mairangi Bay	12 Monthly	1
8 Apollo Pl	Mairangi Bay	12 Monthly	2
14 Dalmeny Cl	Mairangi Bay	12 Monthly	1
16 Dalmeny Cl	Mairangi Bay	12 Monthly	1
396 Beach Rd	Mairangi Bay	12 Monthly	1
404 Beach Rd	Mairangi Bay	12 Monthly	2
4 Montrose Tce	Mairangi Bay	12 Monthly	1
1 Montrose Tce	Mairangi Bay	12 Monthly	1
435 Beach Rd	Mairangi Bay	12 Monthly	1
423 Beach Rd	Mairangi Bay	12 Monthly	2
419 Beach Rd	Mairangi Bay	12 Monthly	1
358 Beach Rd	Mairangi Bay	12 Monthly	2
413 Beach Rd	Mairangi Bay	12 Monthly	1
3 Sidmouth St	Mairangi Bay	12 Monthly	2
4 Sidmouth St	Mairangi Bay	12 Monthly	1
8 Sidmouth St	Mairangi Bay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
542 East Coast Rd	Mairangi Bay	12 Monthly	1
540 East Coast Rd	Mairangi Bay	12 Monthly	2
528 East Coast Rd	Mairangi Bay	12 Monthly	1
516 East Coast Rd	Mairangi Bay	12 Monthly	2
510 East Coast Rd	Mairangi Bay	12 Monthly	1
498 East Coast Rd	Mairangi Bay	12 Monthly	1
494 East Coast Rd	Mairangi Bay	12 Monthly	1
492 East Coast Rd	Mairangi Bay	12 Monthly	1
490A East Coast Rd	Mairangi Bay	12 Monthly	1
490 East Coast Rd	Mairangi Bay	12 Monthly	1
488A East Coast Rd	Mairangi Bay	12 Monthly	1
488 East Coast Rd	Mairangi Bay	12 Monthly	1
486 East Coast Rd	Mairangi Bay	12 Monthly	1
484 East Coast Rd	Mairangi Bay	12 Monthly	1
338 Beach Rd	Mairangi Bay	12 Monthly	1
7 Maxwellton Dr	Mairangi Bay	12 Monthly	1
10 Matipo Rd	Mairangi Bay	12 Monthly	1
12 Matipo Rd	Mairangi Bay	12 Monthly	2
20 Matipo Rd	Mairangi Bay	12 Monthly	1
200 Beach Rd	Campbells Bay	12 Monthly	1
206A Beach Rd	Campbells Bay	12 Monthly	1
212 Beach Rd	Campbells Bay	12 Monthly	4
216 Beach Rd	Campbells Bay	12 Monthly	2
2 Park Rise	Campbells Bay	12 Monthly	1
8 Huntley Rd	Campbells Bay	12 Monthly	1
Beach Rd	Campbells Bay	12 Monthly	1
262 Beach Rd	Campbells Bay	12 Monthly	1
165 Beach Rd	Campbells Bay	12 Monthly	1
167 Beach Rd	Campbells Bay	12 Monthly	1
301 Beach Rd	Campbells Bay	12 Monthly	1
1 The Esplanade	Campbells Bay	12 Monthly	2
232 Beach Rd	Campbells Bay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
319 Beach Rd	Campbells Bay	12 Monthly	1
317 Beach Rd	Campbells Bay	12 Monthly	1
313 Beach Rd	Campbells Bay	12 Monthly	1
22 Asbury Cres	Campbells Bay	12 Monthly	2
13 Sandford St	Campbells Bay	12 Monthly	1
60 Aberdeen Rd	Campbells Bay	12 Monthly	1
74 Aberdeen Rd	Campbells Bay	12 Monthly	2
116 Castor Bay Rd	Campbells Bay	12 Monthly	2
24 Channel View Rd	Campbells Bay	12 Monthly	2
1 Centennial Pl	Campbells Bay	12 Monthly	1
109 Sunnynook Rd	Sunnynook	12 Monthly	1
16 Woodbridge Ln	Milford	12 Monthly	1
1 Woodbridge Ln	Milford	12 Monthly	1
8 Stradford Rd	Milford	12 Monthly	2
55 Shakespear Rd	Milford	12 Monthly	1
57 Shakespear Rd	Milford	12 Monthly	1
59 Shakespear Rd	Milford	12 Monthly	2
2 Stratford Ave	Milford	12 Monthly	1
4 Stratford Ave	Milford	12 Monthly	1
5 Stratford Ave	Milford	12 Monthly	1
16 Lyttleton Ave	Forrest Hill	12 Monthly	1
15 Becroft Ave	Forrest Hill	12 Monthly	1
31 Havelock Ave	Forrest Hill	12 Monthly	1
94 Shakespear Rd	Milford	12 Monthly	1
129 Nile Rd	Milford	12 Monthly	1
117 Nile Rd	Milford	12 Monthly	1
99 Nile Rd	Milford	12 Monthly	1
89 Nile Rd	Milford	12 Monthly	1
71 Nile Rd	Milford	12 Monthly	1
108 Nile Rd	Milford	12 Monthly	1
96 Nile Rd	Milford	12 Monthly	2
33A Alma Rd	Milford	12 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
102 Nile Rd	Milford	12 Monthly	1
98 Nile Rd	Milford	12 Monthly	1
19 Waterloo Rd	Milford	12 Monthly	2
11 Beach Rd	Milford	12 Monthly	1
16 Beach Rd	Milford	12 Monthly	1
14 Beach Rd	Milford	12 Monthly	3
7 Commodore Parry Rd	Milford	12 Monthly	1
15 Commodore Parry Rd	Milford	12 Monthly	1
19 Commodore Parry Rd	Milford	12 Monthly	1
21 Commodore Parry Rd	Milford	12 Monthly	1
25 Commodore Parry Rd	Milford	12 Monthly	1
41 Bond Cres	Forrest Hill	12 Monthly	1
R43 Bond Cres	Forrest Hill	12 Monthly	4
30 Forrest Hill Rd	Forrest Hill	12 Monthly	4
101 Wairua Rd	Forrest Hill	12 Monthly	2
81 Selwyn Cres	Forrest Hill	12 Monthly	1
5 Livingstone St	Forrest Hill	12 Monthly	1
25 Corunna Rd	Forrest Hill	12 Monthly	1
75 Nile Rd	Forrest Hill	12 Monthly	1
15 Corunna Rd	Milford	12 Monthly	1
7A Corunna Rd	Milford	12 Monthly	1
11 Cecil Rd	Milford	12 Monthly	1
21 Cecil Rd	Milford	12 Monthly	2
27 Cecil Rd	Milford	12 Monthly	1
47 Sycamore Dr	Sunnynook	12 Monthly	1
12 Santa Rose Tce	Forrest Hill	12 Monthly	1
21 Tonkin Dr	Sunnynook	12 Monthly	1
29 Saltburn Rd	Milford	12 Monthly	1
7A Tiri Rd	Milford	12 Monthly	1
11 Tiri Rd	Milford	12 Monthly	2
R3 The Esplanade	Castor Bay	12 Monthly	1
9 The Esplanade	Castor Bay	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
414 East Coast Rd	Sunnynook	12 Monthly	1
8 Becroft Dr	Forrest Hill	12 Monthly	3
14 Muritai Rd	Milford	12 Monthly	1
70 Aramoana Ave	Devonport	12 Monthly	1
12 Oxford Tce	Devonport	12 Monthly	1
1 Victoria Rd	Devonport	12 Monthly	3
2 Victoria Rd	Devonport	12 Monthly	1
3 Victoria Rd	Devonport	12 Monthly	1
R2 Old Lake Rd	Devonport	12 Monthly	1
21 Tainui Rd	Devonport	12 Monthly	1
1 Beresford Ave	Bayswater	12 Monthly	2
62 King Edwards Pde	Devonport	12 Monthly	1
58 King Edwards Pde	Devonport	12 Monthly	1
86 Stanley Point Rd	Devonport	12 Monthly	1
29 Kauri Rd	Birkenhead	12 Monthly	1
74 Holyoake Plc	Birkenhead	12 Monthly	1
57 Colonial Rd	Birkenhead	12 Monthly	14
23 Colonial Plc	Birkenhead	12 Monthly	1
60 Colonial Rd	Birkenhead	12 Monthly	1
80 Colonial Rd	Birkenhead	12 Monthly	2
73 Waipa St	Birkenhead	12 Monthly	1
41 Waipa St	Birkenhead	12 Monthly	1
1 Hebe Plc	Birkenhead	12 Monthly	2
34 Rangatira Rd	Birkenhead	12 Monthly	1
82 Palmerston Rd	Birkenhead	12 Monthly	1
134 Chelsea View Dr	Birkenhead	12 Monthly	1
52 Mokoia Rd	Birkenhead	12 Monthly	1
13 Awanui St	Birkenhead	12 Monthly	1
8 Awanui St	Birkenhead	12 Monthly	2
6 Awanui St	Birkenhead	12 Monthly	1
20 Zion Rd	Birkenhead	12 Monthly	1
25 Waratah St	Birkenhead	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
29 Birkenhead Ave	Birkenhead	12 Monthly	1
49 Birkenhead Ave	Birkenhead	12 Monthly	2
81 Birkenhead Ave	Birkenhead	12 Monthly	1
13 Felstead St	Birkenhead	12 Monthly	1
126 Onetaunga Rd	Birkenhead	12 Monthly	3
135 Hinemoa St	Birkenhead	12 Monthly	1
14 Miraka Plc	Birkenhead	12 Monthly	1
66 Maritime Tce	Birkenhead	12 Monthly	1
69 Hinemoa St	Birkenhead	12 Monthly	1
7 Wakanui St	Birkenhead	12 Monthly	1
18 Paris Plc	Birkenhead	12 Monthly	1
21 Paris Plc	Birkenhead	12 Monthly	3
40 Mappin Plc	Birkenhead	12 Monthly	1
38 Mappin Plc	Birkenhead	12 Monthly	1
32 Wolsley Ave	Browns Bay	12 Monthly	1
62 Sharon Rd	Waihake	12 Monthly	2
95 Palmerston Rd	Birkenhead	12 Monthly	2
22 Rosecamp Rd	Beach Haven	12 Monthly	2
24 Rosecamp Rd	Beach Haven	12 Monthly	1
89 Kia Ora Rd	Beach Haven	12 Monthly	8
48 Blacks Rd	Greenhithe	12 Monthly	1
12 Glenbush Pl	Birkenhead	12 Monthly	1
R30 Miraka Pl	Birkenhead	12 Monthly	1
41 Ewen Alison Ave	Devonport	12 Monthly	1
18 Cautley St	Stanley point	12 Monthly	1
20 Stanley Point Rd	Stanley point	12 Monthly	1
12 Stanley Point Rd	Stanley point	12 Monthly	2
33 Omega St	Albany	6 Monthly	1
320 Rosedale Rd	Albany	6 Monthly	14
32 Devonshire Rd	Unsworth Heights	6 Monthly	1
30 Devonshire Rd	Unsworth Heights	6 Monthly	1
33 Unsworth Dr	Unsworth Heights	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
93 Awaruku Rd	Torbay	6 Monthly	4
97 Long Bay Dr	Torbay	6 Monthly	1
23 Long Bay Dr	Torbay	6 Monthly	1
27 Long Bay Dr	Torbay	6 Monthly	1
47 Glenvar Rd	Torbay	6 Monthly	1
19 Bayside Dr	Browns Bay	6 Monthly	1
682 Beach Rd	Browns Bay	6 Monthly	2
18 Penning Rd	Milford	6 Monthly	1
28 Penning Rd	Milford	6 Monthly	3
3 Bebyn St St	Milford	6 Monthly	3
3 East Coast Rd	Milford	6 Monthly	1
R1 East Coast Rd	Milford	6 Monthly	1
1 East Coast Rd	Milford	12 Monthly	1
301 Beach Rd	Campbells Bay	6 Monthly	1
18 Tonkin Dr	Sunnynook	6 Monthly	1
35 Byron Ave	Takapuna	6 Monthly	3
9 Woodstock Rd	Forrest Hill	6 Monthly	3
10 Linwood Ave	Forrest Hill	6 Monthly	1
11 Jonathan Pl	Sunnynook	6 Monthly	1
5 Jonathan Pl	Sunnynook	6 Monthly	1
24 Hythe Tce	Mairangi Bay	6 Monthly	1
22 Jutland St	Mairangi Bay	6 Monthly	2
18 Jutland St	Mairangi Bay	6 Monthly	1
16 Jutland St	Mairangi Bay	6 Monthly	4
15 Penzance Rd	Mairangi Bay	6 Monthly	1
202 Beach Rd	Campbells Bay	6 Monthly	2
200 Beach Rd	Campbells Bay	6 Monthly	1
112 Queen St	Northcote	6 Monthly	1
102 Queen St	Northcote	6 Monthly	1
258 Onewa Rd	Northcote	6 Monthly	2
248 Onewa Rd	Northcote	6 Monthly	1
242 Onewa Rd	Northcote	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
232 Onewa Rd	Northcote	6 Monthly	1
224 Onewa Rd	Northcote	6 Monthly	1
45 Rawene Rd	Birkenhead	6 Monthly	1
57 Rawene Rd	Birkenhead	6 Monthly	1
60 Colonial Rd	Birkenhead	6 Monthly	6
24 Inkster St	Birkenhead	6 Monthly	4
25 Telephone Rd	Birkenhead	6 Monthly	3
66 Maritime Tce	Birkenhead	6 Monthly	1
114 Park Hill Rd	Birkenhead	6 Monthly	1
12 Titivai Pl	Birkenhead	6 Monthly	1
4 Lanigan St	Birkdale	6 Monthly	1
18 Lanigan St	Birkdale	6 Monthly	1
22 Lanigan St	Birkdale	6 Monthly	1
3 Anchor Pl	Birkdale	6 Monthly	2
60 Hadfield St	Birkdale	6 Monthly	1
53 Eskdale Rd	Birkdale	12 Monthly	2
51 Eskdale Rd	Birkdale	12 Monthly	1
45 Eskdale Rd	Birkdale	12 Monthly	1
37 Eskdale Rd	Birkdale	12 Monthly	1
40 Eskdale Rd	Birkdale	12 Monthly	1
126 Spinella Dr	Glenfield	12 Monthly	1
3 Pioneer Cres	Omaha	12 Monthly	1
3 Twilight Bay	Omaha	12 Monthly	1
1 Edith Plc	Omaha	12 Monthly	1
16 St Ann Plc	Omaha	12 Monthly	2
9 The Southern Isle	Omaha	12 Monthly	1
14 St Ann Plc	Omaha	12 Monthly	1
27 Dungarvon Plc	Omaha	12 Monthly	1
35 Dungarvon Plc	Omaha	12 Monthly	1
39 Dungarvon Plc	Omaha	12 Monthly	1
37 Dungarvon Plc	Omaha	12 Monthly	1
37 Blue Bell Pde	Omaha	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
41 Blue Bell Pde	Omaha	12 Monthly	1
45 Blue Bell Pde	Omaha	12 Monthly	1
4 Dungarvon Plc	Omaha	12 Monthly	1
8 Dungarvon Plc	Omaha	12 Monthly	1
14 Dungarvon Plc	Omaha	12 Monthly	1
22 Dungarvon Plc	Omaha	12 Monthly	1
28 Dungarvon Plc	Omaha	12 Monthly	1
4 Jane Gifford Plc	Omaha	12 Monthly	1
9 Kitty Frazer Lane	Omaha	12 Monthly	1
11 Totara View	Wellsford	12 Monthly	1
7 Totara View	Wellsford	12 Monthly	1
45-47 Queen St	Warkworth	6 Monthly	1
106 Alnwick St	Warkworth	12 Monthly	1
32 Schooner Ave	Snells Beach	12 Monthly	1
3 Coastal Hts	Stillwater	12 Monthly	2
26 Hammond Ave	Hatfields Beach	12 Monthly	1
30 Hammond Ave	Hatfields Beach	12 Monthly	1
36A Hammond Ave	Hatfields Beach	12 Monthly	1
30 Millennial Way	Orewa	12 Monthly	1
18 Millennial Way	Orewa	12 Monthly	1
10 Millennial Way	Orewa	12 Monthly	1
8 Millennial Way	Orewa	12 Monthly	1
3 Albatross Rd	Red Beach	12 Monthly	1
51 Red Beach Rd	Red Beach	12 Monthly	1
5 Ladies Mile	Manly	12 Monthly	1
122 Eaves Bush Pde	Orewa	12 Monthly	1
102 Eaves Bush Pde	Orewa	12 Monthly	1
63 Park Side Drv	Orewa	12 Monthly	1
10 Eaves Bush Pde	Orewa	12 Monthly	1
2 Eaves Bush Pde	Orewa	12 Monthly	1
50 Silverdale St	Silverdale	12 Monthly	2
Millwater Pkwy	Silverdale	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
17 Old Mill Rd	Silverdale	12 Monthly	1
34 Jelas Rd	Red Beach	12 Monthly	1
42 Jelas Rd	Red Beach	12 Monthly	1
19A Langton Rd	Stanmore Bay	12 Monthly	1
32 Hibiscus Coast Hwy	Silverdale	12 Monthly	1
36 Hibiscus Coast Hwy	Silverdale	12 Monthly	1
0 Silverdale St	Silverdale	12 Monthly	2
Flexman Pl St	Silverdale	12 Monthly	2
2 Flexman Pl	Orewa	12 Monthly	3
3D Silverdale St	Silverdale	6 Monthly	1
868 Whangaparaoa Rd	Manley	6 Monthly	1
8 Zealandia Rd	Manley	6 Monthly	1
14C Zealandia Rd	Manley	6 Monthly	1
45A Walton Rd	Red Beach	6 Monthly	1
914 Whangaparaoa Rd	Manley	6 Monthly	1
21 Manga Rd	Silverdale	1 Monthly	1
416 Huia Rd	Titirangi	6 Monthly	9
11 Tawini Rd	Titirangi	6 Monthly	1
15 Tawini Rd	Titirangi	6 Monthly	1
25 Tawini Rd	Titirangi	6 Monthly	1
29 Tawini Rd	Titirangi	6 Monthly	1
33 Tawini Rd	Titirangi	6 Monthly	1
35 Tawini Rd	Titirangi	6 Monthly	1
37 Tawini Rd	Titirangi	6 Monthly	1
221 Konini Rd	Titirangi	6 Monthly	9
43 Tawini Rd	Titirangi	6 Monthly	2
253- Konini Rd	Titirangi	6 Monthly	1
233 Konini Rd	Titirangi	6 Monthly	1
231 Konini Rd	Titirangi	6 Monthly	2
Tawini Rd	Titirangi	6 Monthly	1
73 Withers Rd	Titirangi	6 Monthly	4
1a Karapiti Pl	Titirangi	6 Monthly	2

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
172 Godley Rd	Titirangi	4 Monthly	22
421a Titirangi Rd	Titirangi	12 Monthly	1
403 Titirangi Rd	Titirangi	12 Monthly	2
389 Titirangi Rd	Titirangi	12 Monthly	1
389 Titirangi Rd	Titirangi	12 Monthly	1
389 Titirangi Rd	Titirangi	12 Monthly	1
387 Titirangi Rd	Titirangi	12 Monthly	1
379 Titirangi Rd	Titirangi	12 Monthly	1
373 Titirangi Rd	Titirangi	12 Monthly	1
373 Titirangi Rd	Titirangi	12 Monthly	1
369 Titirangi Rd	Titirangi	12 Monthly	1
369 Titirangi Rd	Titirangi	12 Monthly	1
187c Titirangi Rd	Titirangi	12 Monthly	1
47 Fairmont Rd	Titirangi	12 Monthly	1
47 Fairmont Rd	Titirangi	12 Monthly	1
195 Laiingholm Dr	Laiinghom	12 Monthly	1
55 Tane Rd	Laiinghom	12 Monthly	1
11 Laingholm Rd	Laiinghom	12 Monthly	1
11 Laingholm Rd	Laiinghom	12 Monthly	1
5 Laingholm Rd	Laiinghom	12 Monthly	1
16 Opou Rd	Titirangi	12 Monthly	1
9 Wood Bay Rd	Titirangi	12 Monthly	1
81 Kohu Rd	Titirangi	12 Monthly	1
166- Konini Rd	Titirangi	12 Monthly	7
178 Konini Rd	Titirangi	12 Monthly	2
12 Woodfern Cres	Titirangi	6 Monthly	1
18 Candia Rd	Swanson	6 Monthly	3
8 Candia Rd	Swanson	6 Monthly	2
4 Candia Rd	Swanson	6 Monthly	1
2 Candia Rd	Swanson	6 Monthly	4
270a Sturges Rd	Henderson	1 Monthly	2
67 Helena St	Massey	1 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
60 Sunline Ave	Massey	1 Monthly	5
84 Butterworth Dr	Glendene	3 Monthly	1
42 Sabulite Rd	Kelston	3 Monthly	1
45a School Rd	Te Atatu South	4 Monthly	1
114 View Rd	Sunnyvale	4 Monthly	1
112a View Rd	Sunnyvale	4 Monthly	1
112 View Rd	Sunnyvale	4 Monthly	1
84 Kauri Point Rd	Laingholm	6 Monthly	1
55 Tane Rd	Laingholm	6 Monthly	1
11 Laingholm Dr	Laingholm	6 Monthly	1
36 Landing Rd	Titirangi	6 Monthly	1
570 South Titirangi Rd	Titirangi	6 Monthly	1
597 South Titirangi Rd	Titirangi	3 Monthly	1
530 South Titirangi Rd	Titirangi	6 Monthly	1
109 Wood Bay Rd	Titirangi	6 Monthly	3
14 Paturoa Rd	Titirangi	6 Monthly	2
12 Paturoa Rd	Titirangi	6 Monthly	1
7 Paturoa Rd	Titirangi	6 Monthly	4
1 Paturoa Rd	Titirangi	6 Monthly	2
354 Huia Rd	Titirangi	6 Monthly	1
352 Huia Rd	Titirangi	6 Monthly	1
348 Huia Rd	Titirangi	6 Monthly	1
79 Glendale Rd	Glen Eden	6 Monthly	1
77a Glendale Rd	Glen Eden	6 Monthly	1
2 Levy Rd	Glen Eden	6 Monthly	3
5 Willowbrook Pl	Titirangi	6 Monthly	1
101 Hutchinson Ave	New Lynn	6 Monthly	1
105 Hutchinson Ave	New Lynn	6 Monthly	1
30 West Lynn Rd	Titirangi	6 Monthly	1
31 De Val Dr	Titirangi	6 Monthly	1
25 De Val Dr	Titirangi	6 Monthly	1
26 The Grove	Titirangi	6 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
23 The Grove	Titirangi	6 Monthly	1
2 South Lynn Rd	Titirangi	6 Monthly	3
7 South Lynn Rd	<i>Titirangi</i>	6 Monthly	3
5 South Lynn Rd	Titirangi	6 Monthly	1
77a Woodfern Cres	Titirangi	6 Monthly	1
79 Woodfern Cres	Titirangi	6 Monthly	1
81 Woodfern Cres	Titirangi	6 Monthly	1
72a Woodfern Cres	Titirangi	6 Monthly	1
68 Woodfern Cres	Titirangi	6 Monthly	2
58 Woodfern Cres	Titirangi	6 Monthly	1
56 Woodfern Cres	Titirangi	6 Monthly	1
46 Woodfern Cres	Titirangi	6 Monthly	1
40 Woodfern Cres	Titirangi	6 Monthly	2
44 Woodfern Cres	Titirangi	6 Monthly	2
134 Godley Rd	Green Bay	6 Monthly	2
136 Godley Rd	Green Bay	6 Monthly	1
72 Lantana Rd	Green Bay	6 Monthly	1
75 Lantana Rd	Green Bay	6 Monthly	1
189 Portage Rd	Green Bay	6 Monthly	1
223 Edmonton Rd	Te Atatu South	6 Monthly	1
221 Edmonton Rd	Te Atatu South	6 Monthly	1
219 Edmonton Rd	Te Atatu South	6 Monthly	1
209 Edmonton Rd	Te Atatu South	6 Monthly	1
7 Te Atatu Rd	Te Atatu South	6 Monthly	1
1 Tirimoana Rd	Te Atatu South	6 Monthly	1
30 Bridge Ave	Te Atatu South	6 Monthly	2
23 Covil Ave	Te Atatu South	6 Monthly	1
32 Abbotleigh Ave	Te Atatu Peninsula	6 Monthly	1
12 Jarrah Pl	Massey	6 Monthly	1
8 Jarrah Pl	Massey	6 Monthly	1
36 Gallony Ave	Massey	6 Monthly	1
31 Huruuru Rd	Massey	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
32 Huruhuru Rd	Massey	6 Monthly	1
33 Lowtherhurst Rd	Massey	6 Monthly	1
48 Lowtherhurst Rd	Massey	6 Monthly	1
46 Lowtherhurst Rd	Massey	6 Monthly	1
44 Lowtherhurst Rd	Massey	6 Monthly	1
20- Don Buck Rd	Massey	6 Monthly	3
8 Alston Ave	Kelston	6 Monthly	2
23 Beaubank Rd	Kelston	6 Monthly	2
27 Beaubank Rd	Kelston	6 Monthly	1
29 Beaubank Rd	Kelston	6 Monthly	1
31 Beaubank Rd	Kelston	6 Monthly	1
19 Cobham Cres	Kelston	6 Monthly	1
44 Crystal Ave	Glendene	6 Monthly	1
22 Glen Marine Pde	Glendene	6 Monthly	1
24 Glen Marine Pde	Glendene	6 Monthly	2
28 Glen Marine Pde	Glendene	6 Monthly	1
32 Glen Marine Pde	Glendene	6 Monthly	1
15 Beazley Pl	Glendene	6 Monthly	1
16 Glen Marine Pde	Glendene	6 Monthly	1
25 Glen Marine Pde	Glendene	6 Monthly	1
33 Glen Marine Pde	Glendene	6 Monthly	1
47 Glen Marine Pde	Glendene	6 Monthly	1
262 Hepburn Rd	Glendene	6 Monthly	1
59 Glen Marine Pde	Glendene	6 Monthly	2
61 Glen Marine Pde	Glendene	6 Monthly	1
58 Glen Marine Pde	Glendene	6 Monthly	1
3 Bancroft Cres	Glendene	6 Monthly	1
5 Bancroft Cres	Glendene	6 Monthly	1
7a Bancroft Cres	Glendene	6 Monthly	1
167- Hepburn Rd	Glendene	6 Monthly	4
37 Harmel Rd	Glendene	6 Monthly	1
15a Nikau St	New Lynn	6 Monthly	3

Address	Suburb	Frequency (months)	Number of associated pipes
26 Veronica St	New Lynn	6 Monthly	1
3050 Great North Rd	New Lynn	6 Monthly	1
3044- Great North Rd	New Lynn	6 Monthly	2
3030 Great North Rd	New Lynn	6 Monthly	1
3024 Great North Rd	New Lynn	6 Monthly	1
31a Veronica St	New Lynn	6 Monthly	1
16 Aotea Rd	Glen Eden	6 Monthly	1
14 Aotea Rd	Glen Eden	6 Monthly	1
12 Aotea Rd	Glen Eden	6 Monthly	1
10 Aotea Rd	Glen Eden	6 Monthly	2
46 Tahi Tce	Glen Eden	6 Monthly	1
52 Tahi Tce	Glen Eden	6 Monthly	1
54 Tahi Tce	Glen Eden	6 Monthly	1
21 Oates Rd	Glen Eden	6 Monthly	1
19 Oates Rd	Glen Eden	6 Monthly	1
15 Oates Rd	Glen Eden	6 Monthly	1
13a Oates Rd	Glen Eden	6 Monthly	4
11a Oates Rd	Glen Eden	6 Monthly	1
7a Oates Rd	Glen Eden	6 Monthly	1
5 Oates Rd	Glen Eden	6 Monthly	2
21 West Lynn Rd	New Lynn	6 Monthly	1
19 West Lynn Rd	New Lynn	6 Monthly	2
15a West Lynn Rd	New Lynn	6 Monthly	1
13a West Lynn Rd	New Lynn	6 Monthly	1
33 Parker Ave	New Lynn	6 Monthly	3
7 Armstrong Pl	New Lynn	6 Monthly	1
5 Armstrong Pl	New Lynn	6 Monthly	1
1 Armstrong Pl	New Lynn	6 Monthly	1
47 Parker Ave	New Lynn	6 Monthly	1
49 Parker Ave	New Lynn	6 Monthly	2
34a Parker Ave	New Lynn	6 Monthly	2
5 Wilson Rd	Glen Eden	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
3 Wilson Rd	Glen Eden	6 Monthly	1
1 Wilson Rd	Glen Eden	6 Monthly	1
47 Pinedale Pl	Henderson	6 Monthly	2
38 Edmonton Rd	Henderson	6 Monthly	1
5a Valdale Rd	Henderson	6 Monthly	1
17 Valdale Rd	Henderson	6 Monthly	1
15 Edsel Rd	Henderson	6 Monthly	2
330 Great North Rd	Henderson	6 Monthly	3
332- Great North Rd	Henderson	6 Monthly	1
326- Great North Rd	Henderson	6 Monthly	1
333 Great North Rd	Henderson	6 Monthly	1
345- Great North Rd	Henderson	6 Monthly	1
2 Trading Pl	Henderson	6 Monthly	1
5 Ratanui St	Henderson	6 Monthly	1
7 Trading Pl	Henderson	6 Monthly	1
6 Rupeke Pl	Henderson	6 Monthly	1
42 Keeling Rd	Henderson	6 Monthly	2
38 Keeling Rd	Henderson	6 Monthly	1
36 Keeling Rd	Henderson	6 Monthly	1
34 Keeling Rd	Henderson	6 Monthly	1
138- Rainside Ave	Henderson	6 Monthly	1
134- Rainside Ave	Henderson	6 Monthly	3
38 Millbrook Rd	Henderson	6 Monthly	1
174a Rainside Ave	Henderson	6 Monthly	1
19 Kereru St	Henderson	6 Monthly	1
24 Kereru St	Henderson	6 Monthly	2
29 Robert Burke Pl	Henderson	6 Monthly	1
27 Robert Burke Pl	Henderson	6 Monthly	1
44 Sunnyside Rd	Sunnyvale	6 Monthly	1
58 Sunline Ave	Massey	6 Monthly	1
12 Taranui Pl	Henderson	6 Monthly	1
18a Riserra Dr	Ranui	6 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
10 Rakich Pl	Ranui	6 Monthly	4
5 Armada Dr	Ranui	6 Monthly	1
14 Armada Dr	Ranui	6 Monthly	2
12 Armada Dr	Ranui	6 Monthly	1
36 Childers Rd	Ranui	6 Monthly	1
13 Hamblyn Pl	Ranui	6 Monthly	1
9 Hamblyn Pl	Ranui	6 Monthly	1
3 Hamblyn Pl	Ranui	6 Monthly	1
16 Pooks Rd	Ranui	6 Monthly	2
14 Pooks Rd	Ranui	6 Monthly	1
12 Pooks Rd	Ranui	6 Monthly	1
12b Pooks Rd	Ranui	6 Monthly	1
4 Pooks Rd	Ranui	6 Monthly	1
46 Ranui Station Rd	Ranui	6 Monthly	1
34 Marinich Dr-S	Ranui	6 Monthly	1
50 Pooks Rd	Ranui	6 Monthly	1
58 Pooks Rd	Ranui	6 Monthly	1
18 Candia Rd	Swanson	6 Monthly	3
8 Candia Rd	Swanson	6 Monthly	2
4 Candia Rd	Swanson	6 Monthly	1
2 Candia Rd	Swanson	6 Monthly	6
620 Swanson Rd	Swanson	6 Monthly	4
9 North Candia Rd	Swanson	6 Monthly	1
194 Henderson Valley Rd	Henderson	6 Monthly	1
720 Swanson Rd	Swanson	6 Monthly	1
324a Swanson Rd	Henderson	6 Monthly	4
35a Mason St	New Lynn	6 Monthly	1
19 Matipo Rd	Te Atatu Peninsula	6 Monthly	1
36 Glynnbrooke St	Te Atatu South	6 Monthly	1
12 Kuaka Pl	New Lynn	6 Monthly	1
5 Kuaka Pl	New Lynn	6 Monthly	4
3 Kuaka Pl	New Lynn	6 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
12 Bruce McLaren Rd	Henderson	12 Monthly	2
4 Bruce McLaren Rd	Henderson	12 Monthly	1
3 Bruce McLaren Rd	Henderson	12 Monthly	2
1 Bruce McLaren Rd	Henderson	12 Monthly	4
19 Bruce McLaren Rd	Henderson	12 Monthly	1
15a Bruce McLaren Rd	Henderson	12 Monthly	1
13 Bruce McLaren Rd	Henderson	12 Monthly	1
15 Lincoln Rd	Henderson	12 Monthly	1
47 Vintage Dr	Henderson	12 Monthly	1
45 Vintage Dr	Henderson	12 Monthly	3
43 Wilsher Cres	Henderson	12 Monthly	4
2 Mt Lebanon Lane	Henderson	12 Monthly	1
86 View Rd	Henderson	12 Monthly	1
70 Clayburn Rd	Glen Eden	12 Monthly	1
66 Clayburn Rd	Glen Eden	12 Monthly	1
58 Clayburn Rd	Glen Eden	12 Monthly	1
54 Clayburn Rd	Glen Eden	12 Monthly	2
41 Brandon Rd	Glen Eden	12 Monthly	3
33c Brandon Rd	Glen Eden	12 Monthly	1
58 Glendale Rd	Glen Eden	12 Monthly	1
77 Glendale Rd	Glen Eden	12 Monthly	2
122a Glendale Rd	Glen Eden	12 Monthly	1
9 Surat Plc	Glen Eden	12 Monthly	3
1/125 Glendale Rd	Glen Eden	12 Monthly	3
87c Kaurilands Rd	Titirangi	12 Monthly	5
11b Konini Rd	Titirangi	12 Monthly	1
5a Konini Rd	Titirangi	12 Monthly	4
22 Withers Rd	Glen Eden	12 Monthly	1
20 Withers Rd	Glen Eden	12 Monthly	1
14 Withers Rd	Glen Eden	12 Monthly	1
12 Withers Rd	Glen Eden	12 Monthly	1
90 Kaurilands Rd	Titirangi	12 Monthly	3

Address	Suburb	Frequency (months)	Number of associated pipes
8a Withers Rd	Glen Eden	12 Monthly	1
4 Withers Rd	Glen Eden	12 Monthly	1
93 Kaurilands Rd	Titirangi	12 Monthly	1
16 Aquarius Ave	Glen Eden	12 Monthly	3
9 Annison Ave	Glen Eden	12 Monthly	1
7 Kashmir Rd	Glen Eden	12 Monthly	1
25 Autumn Ave	Glen Eden	12 Monthly	2
17a Autumn Ave	Glen Eden	12 Monthly	1
38 Copley St	New Lynn	12 Monthly	2
7 Koromiko St	New Lynn	12 Monthly	1
9a Koromiko St	New Lynn	12 Monthly	1
17 Queen Mary Ave	New Lynn	12 Monthly	2
9 Queen Mary Ave	New Lynn	12 Monthly	1
3 Queen Mary Ave	New Lynn	12 Monthly	3
8 Kuaka Pl	New Lynn	12 Monthly	1
18 Kuaka Pl	New Lynn	12 Monthly	1
14 Reid Rd	New Lynn	12 Monthly	1
12 Reid Rd	New Lynn	12 Monthly	1
10 Reid Rd	New Lynn	12 Monthly	1
8 Reid Rd	New Lynn	12 Monthly	1
3/27 Rata St	New Lynn	12 Monthly	1
12 Kaponga Cres	New Lynn	12 Monthly	1
14 Kaponga Cres	New Lynn	12 Monthly	1
10 Waters St	New Lynn	12 Monthly	1
29 Karaka St	New Lynn	12 Monthly	3
26 Karaka St	New Lynn	12 Monthly	1
22 Karaka St	New Lynn	12 Monthly	1
20 Karaka St	New Lynn	12 Monthly	1
16 Wattle St	New Lynn	12 Monthly	4
18 Wattle St	New Lynn	12 Monthly	2
27 Tomo St	New Lynn	12 Monthly	1
19 Tomo St	New Lynn	12 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
40a Tomo St	New Lynn	12 Monthly	3
13 Bentinck Rd	New Lynn	12 Monthly	1
72 Delta Ave	New Lynn	12 Monthly	1
39 Hill Cres	New Lynn	12 Monthly	2
99 Portage Rd	New Lynn	12 Monthly	2
64 Portage Rd	New Lynn	12 Monthly	1
30 Northall Rd	New Lynn	12 Monthly	1
67 Fruitvale Rd	New Lynn	12 Monthly	3
53 Fruitvale Rd	New Lynn	12 Monthly	1
55 Fruitvale Rd	New Lynn	12 Monthly	2
36 Blease St	New Lynn	12 Monthly	1
13 Wolley Ave	New Lynn	12 Monthly	2
16 Hinau St	New Lynn	12 Monthly	1
20 Hinau St	New Lynn	12 Monthly	1
22 Hinau St	New Lynn	12 Monthly	1
24 Beverley Plc	New Lynn	12 Monthly	1
105 Gardner Rd	New Lynn	12 Monthly	1
89 Gardner Rd	New Lynn	12 Monthly	1
50 Gardner Rd	New Lynn	12 Monthly	1
61 Parker Ave	New Lynn	12 Monthly	1
243 Metcalfe Rd	Ranui	12 Monthly	1
84 Simpson Rd	Ranui	12 Monthly	1
20 Afton Pl	Henderson	12 Monthly	1
24 Afton Pl	Henderson	12 Monthly	1
65a Metcalfe Rd	Ranui	12 Monthly	3
89 Metcalfe Rd	Ranui	12 Monthly	1
87 Metcalfe Rd	Ranui	12 Monthly	1
71 Metcalfe Rd	Ranui	12 Monthly	1
2 Mayer Pl	Ranui	12 Monthly	1
78 Urlich Dr	Ranui	12 Monthly	1
84 Urlich Dr	Ranui	12 Monthly	1
21 Waimoko Gln	Swanson	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
82 Ulrich Dr	Ranui	12 Monthly	1
19 Waimoko Gln	Swanson	12 Monthly	1
17 Waimoko Gln	Swanson	12 Monthly	1
44 Arodella Cres	Ranui	12 Monthly	1
98 Glen Rd	Ranui	12 Monthly	3
62 Palamino Dr	Henderson	12 Monthly	1
30 Tumanaka Pl	Henderson	12 Monthly	4
53 Border Rd	Henderson	12 Monthly	1
19 Waipareira Ave	Henderson	12 Monthly	2
59 Larissa Ave	Henderson	12 Monthly	1
1/5 Keeling Rd	Henderson	12 Monthly	1
33 Henderson Valley Rd	Henderson	12 Monthly	2
17 Keeling Rd	Henderson	12 Monthly	1
7 Espalier Drv	Henderson	12 Monthly	1
3 Espalier Drv	Henderson	12 Monthly	2
18 Karen Rd	Laiingholm	12 Monthly	2
7 Laingfield Tce	Laingholm	12 Monthly	1
22 Western Rd	Laiingholm	12 Monthly	1
20 Western Rd	Laiingholm	12 Monthly	1
18 Western Rd	Laiingholm	12 Monthly	1
14 Western Rd	Laiingholm	12 Monthly	1
12a Western Rd	Laiingholm	12 Monthly	1
11 Laingholm Drv	Laingholm	12 Monthly	1
14 Park Rd	Titirangi	12 Monthly	1
71 Park Rd	Titirangi	12 Monthly	1
4 Otitori Bay Rd	Titirangi	12 Monthly	1
14 Miha Rd	French Bay	12 Monthly	1
52 Valley Rd	Titirangi	12 Monthly	1
87 Otitori Bay Rd	Titirangi	12 Monthly	1
518 South Titirangi Rd	Titirangi	12 Monthly	1
520 South Titirangi Rd	Titirangi	12 Monthly	1
524 South Titirangi Rd	Titirangi	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
526 South Titirangi Rd	Titirangi	12 Monthly	1
550 South Titirangi Rd	Titirangi	12 Monthly	1
11 Wood Bay Rd	Titirangi	12 Monthly	1
19 Wood Bay Rd	Titirangi	12 Monthly	1
101 Wood Bay Rd	Titirangi	12 Monthly	1
95 Wood Bay Rd	Titirangi	12 Monthly	1
77 Wood Bay Rd	Titirangi	12 Monthly	1
30 Paturoa Rd	Titirangi	12 Monthly	1
41 Mceldowney Rd	Titirangi	12 Monthly	3
187c Titirangi Rd	Titirangi	12 Monthly	1
47 Fairmount Rd	Titirangi	12 Monthly	2
324 Huia Rd	Titirangi	12 Monthly	6
312 Huia Rd	Titirangi	12 Monthly	3
189 Atkinson Rd	Titirangi	6 Monthly	1
16 Avonleigh Rd	Green Bay	12 Monthly	1
12 Avonleigh Rd	Green Bay	12 Monthly	1
20a Godley Rd	Green Bay	12 Monthly	1
24a Godley Rd	Green Bay	12 Monthly	1
18 Godley Rd	Green Bay	12 Monthly	1
189 Portage Rd	Green Bay	12 Monthly	2
11 Links Rd	Green Bay	12 Monthly	2
4 La Rosa St	Green Bay	12 Monthly	1
90a Godley Rd	Green Bay	12 Monthly	2
13 Aronui Tce	Kelston	12 Monthly	2
31 Cartwright Rd	Kelston	12 Monthly	1
30 Cartwright Rd	Kelston	12 Monthly	1
45 Kelman Rd	Kelston	12 Monthly	1
47 Kelman Rd	Kelston	12 Monthly	2
24 Kelkirk St	Kelston	12 Monthly	1
28 Kelkirk St	Kelston	12 Monthly	1
30 Kelkirk St	Kelston	12 Monthly	1
59a Sabulite Rd	Kelston	12 Monthly	1

Section Three
Version 1

Address	Suburb	Frequency (months)	Number of associated pipes
57a Sabulite Rd	Kelston	12 Monthly	1
36 Kelkirk St	Kelston	12 Monthly	1
32 Kelkirk St	Kelston	12 Monthly	1
26 Kelkirk St	Kelston	12 Monthly	2
88- Archibald Rd	Kelston	12 Monthly	1
40 St Leonards Rd	Kelston	12 Monthly	1
23 St Leonards Rd	Kelston	12 Monthly	1
166 Hepburn St	Kelston	12 Monthly	1
164 Hepburn St	Kelston	12 Monthly	1
18 Kiernan Pl	Kelston	12 Monthly	1
81 Cobham Cres	Kelston	12 Monthly	1
24 Cobham Cres	Kelston	12 Monthly	1
13 Kiernan Pl	Kelston	12 Monthly	1
19 Kiernan Pl	Kelston	12 Monthly	1
34 Kiernan Pl	Kelston	12 Monthly	1
28 Sabulite Rd	Kelston	12 Monthly	3
80 Butterworth Dr	Glendene	12 Monthly	1
1/1 Pakira Ave	Glendene	12 Monthly	1
43 Thornlow St	Glendene	12 Monthly	1
35 Thornlow St	Glendene	12 Monthly	1
5 Barnfield Pl	Glendene	12 Monthly	1
7 Barnfield Pl	Glendene	12 Monthly	1
8 Barnfield Pl	Glendene	12 Monthly	1
12 Barnfield Pl	Glendene	12 Monthly	1
18 Barnfield Pl	Glendene	12 Monthly	1
22 Barnfield Pl	Glendene	12 Monthly	1
30 Glendene Ave	Glendene	12 Monthly	1
32 Glendene Ave	Glendene	12 Monthly	1
43 Glendene Ave	Glendene	12 Monthly	1
79 Barrys Rd	Glendene	12 Monthly	3
50 Patts Ave	Glendene	12 Monthly	1
4 Akatea Rd	Glendene	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
1 Rankin Ave	New Lynn	12 Monthly	4
1b Rankin Ave	New Lynn	12 Monthly	1
8m Aotea Rd	Glen Eden	12 Monthly	2
8e Aotea Rd	Glen Eden	12 Monthly	1
8e Aotea Rd	Glen Eden	12 Monthly	1
26 Tahi Tce	Glen Eden	12 Monthly	1
32 Tahi Tce	Glen Eden	12 Monthly	1
56 Tahi Tce	Glen Eden	12 Monthly	2
Tahi Tce	Glen Eden	12 Monthly	1
49 Tahi Tce	Glen Eden	12 Monthly	1
37 Northall Rd	New Lynn	12 Monthly	2
15a Tahi Tce	Glen Eden	12 Monthly	1
38 Glendale Rd	Glen Eden	12 Monthly	4
42 Glendale Rd	Glen Eden	12 Monthly	2
131a Glengarry Rd	Glen Eden	12 Monthly	1
125 Parrs Cross Rd	Glen Eden	12 Monthly	2
456a West Coast Rd	Glen Eden	12 Monthly	1
454 West Coast Rd	Glen Eden	12 Monthly	1
424 West Coast Rd	Glen Eden	12 Monthly	1
426 West Coast Rd	Glen Eden	12 Monthly	3
427- West Coast Rd	Glen Eden	12 Monthly	1
336 West Coast Rd	Glen Eden	12 Monthly	1
338b West Coast Rd	Glen Eden	12 Monthly	3
47 Kamara Rd	Glen Eden	12 Monthly	1
50a Renata Cres	Te Atatu Peninsula	12 Monthly	1
54 Renata Cres	Te Atatu Peninsula	12 Monthly	1
572c Te Atatu Rd	Te Atatu Peninsula	12 Monthly	1
8 Kelvin Cres	Te Atatu Peninsula	12 Monthly	1
8 Shamrock Lane	Te Atatu Peninsula	12 Monthly	1
12 Talavera Pl	Te Atatu South	12 Monthly	1
16 Talavera Pl	Te Atatu South	12 Monthly	1
6 Roberts Rd	Te Atatu South	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
22 Cornwall St	Te Atatu South	12 Monthly	1
24 Cornwall St	Te Atatu South	12 Monthly	1
31 Coniston Ave	Te Atatu South	12 Monthly	1
2 Vera Rd	Te Atatu South	12 Monthly	1
128 Tiroroa Ave	Te Atatu South	12 Monthly	2
244 Te Atatu Rd	Te Atatu South	12 Monthly	1
248 Te Atatu Rd	Te Atatu South	12 Monthly	2
248a Te Atatu Rd	Te Atatu South	12 Monthly	1
256 Te Atatu Rd	Te Atatu South	12 Monthly	1
3a Christina Ave	Te Atatu South	12 Monthly	2
43 Cron Ave	Te Atatu South	12 Monthly	1
4 Marewa St	Te Atatu South	12 Monthly	1
97 Marina View Drv	West Harbour	12 Monthly	1
66 Marina View Drv	West Harbour	12 Monthly	1
1- Reflection Dr	West Harbour	12 Monthly	1
59 West Harbour Drv	West Harbour	12 Monthly	1
45 West Harbour Drv	West Harbour	12 Monthly	1
91- Moire Rd	Massey	12 Monthly	3
153c Colwill Rd	Massey	12 Monthly	1
155d Colwill Rd	Massey	12 Monthly	1
157e Colwill Rd	Massey	12 Monthly	2
87a Colwill Rd	Massey	12 Monthly	1
15 Wickstead Pl	Massey	12 Monthly	1
33 Bellringer Rd	Massey	12 Monthly	1
67 Kemp Rd	Massey	12 Monthly	1
79 Kemp Rd	Massey	12 Monthly	1
81 Kemp Rd	Massey	12 Monthly	1
57 Hewlett Rd	Massey	12 Monthly	1
274 Don Buck Rd	Massey	12 Monthly	2
4 Timandra Pl	Massey	12 Monthly	1
26 Katrina Pl	Massey	12 Monthly	1
20 Killygordan Plc	Massey	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
14 Killygordan Plc	Massey	12 Monthly	1
112c Triangle Rd	Massey	12 Monthly	1
101 Kemp Rd	Massey	12 Monthly	2
53 Riverpark Cres	Henderson	12 Monthly	1
57 Riverpark Cres	Henderson	12 Monthly	1
21 Vina Pl	Massey	12 Monthly	1
15 Edmonton Rd	Henderson	12 Monthly	1
Matuhi Rise	Henderson	12 Monthly	1
30 Newington Rd	Henderson	12 Monthly	1
40 Newington Rd	Henderson	12 Monthly	3
38 Newington Rd	Henderson	12 Monthly	1
37 Newington Rd	Henderson	12 Monthly	2
5 Vitasovich Ave	Henderson	12 Monthly	3
9 Silverstone Pl	Henderson	12 Monthly	1
19 Silverstone Pl	Henderson	12 Monthly	1
88 Chislehurst St	Henderson	12 Monthly	2
50 Borich Rd	Sunnyvale	12 Monthly	3
31 Blueridge Cl	Sunnyvale	12 Monthly	1
16 Wattle Rd	Sunnyvale	12 Monthly	1
12 Wattle Rd	Sunnyvale	12 Monthly	1
3 Wattle Rd	Sunnyvale	12 Monthly	2
113 View Rd	Sunnyvale	12 Monthly	1
4 Sunnyside Rd	Sunnyvale	12 Monthly	2
5 Sunnyside Rd	Sunnyvale	12 Monthly	1
104 Sturges Rd	Henderson	12 Monthly	1
25 St Catherine Cres	Massey	12 Monthly	1
133 Henderson Valley Rd	Henderson	12 Monthly	1
139 Henderson Valley Rd	Henderson	12 Monthly	1
135 Henderson Valley Rd	Henderson	12 Monthly	1
133a Henderson Valley Rd	Henderson	12 Monthly	1
32 Coburg St	Henderson	12 Monthly	1
18a Lendic Ave	Henderson	12 Monthly	1

Address	Suburb	Frequency (months)	Number of associated pipes
14 Lendic Ave	Henderson	12 Monthly	1
13 Lendic Ave	Henderson	12 Monthly	1
35 Coburg St	Henderson	12 Monthly	1
41 Coburg St	Henderson	12 Monthly	1
43 Coburg St	Henderson	12 Monthly	1
25 Coburg St	Henderson	12 Monthly	1
7 Coburg St	Henderson	12 Monthly	1
5 Coburg St	Henderson	12 Monthly	1
22 Garelja Rd	Henderson	12 Monthly	1
25 Garelja Rd	Henderson	12 Monthly	1
183 Henderson Valley Rd	Henderson	12 Monthly	1
189 Henderson Valley Rd	Henderson	12 Monthly	1
201b Henderson Valley Rd	Henderson	12 Monthly	1
39 Pooks Rd	Ranui	12 Monthly	1
37 Pooks Rd	Ranui	12 Monthly	2
508- Swanson Rd	Ranui	12 Monthly	2
512 Swanson Rd	Ranui	12 Monthly	1
1 Luanda Dr	Ranui	12 Monthly	1
35 Farwood Dr	Henderson	12 Monthly	1
23 Karepo Cres	Ranui	12 Monthly	4
84 Glen Rd	Ranui	12 Monthly	1
90 Glen Rd	Ranui	12 Monthly	1
1 Parklands Ave	Swanson	12 Monthly	3
81 Park Rd	Titirangi	12 Monthly	2
96 Park Rd	Titirangi	12 Monthly	6
1 Titirangi Beach Rd	Titirangi	12 Monthly	2
14 Titirangi Beach Rd	Titirangi	12 Monthly	6
22 Titirangi Beach Rd	Titirangi	12 Monthly	1
26 Titirangi Beach Rd	Titirangi	12 Monthly	1
32 Titirangi Beach Rd	Titirangi	12 Monthly	1
36 Titirangi Beach Rd	Titirangi	12 Monthly	4
104 Park Rd	Titirangi	12 Monthly	2

Address	Suburb	Frequency (months)	Number of associated pipes
276 Triangle Rd	Massey	12 Monthly	1
29 Huruhuru Rd	Massey	12 Monthly	1
304 Triangle Rd	Massey	12 Monthly	1
302 Triangle Rd	Massey	12 Monthly	2
296 Triangle Rd	Massey	12 Monthly	1
294a Triangle Rd	Massey	12 Monthly	1
23 Kopi Pl	Massey	12 Monthly	1
1/17 Aldern Rd	Massey	12 Monthly	3
2/19 Aldern Rd	Massey	12 Monthly	1
1/10 Alidade Pl	Massey	12 Monthly	2
16 Kotuku St	Te Atatu Peninsula	12 Monthly	5
19 Meadow Cres	Te Atatu South	12 Monthly	5
13 Meadow Cres	Te Atatu South	12 Monthly	1
48 Cobham Cres	Kelston	6 Monthly	1
39 Cobham Cres	Kelston	6 Monthly	3
92 Cobham Cres	Kelston	6 Monthly	1
96 Cobham Cres	Kelston	6 Monthly	1
11 Ingleby Plc	Kelston	6 Monthly	1
109 Archibald Rd	Kelston	6 Monthly	2
21 Martin Plc	Kelston	6 Monthly	1
134 Archibald Rd	Kelston	6 Monthly	2