

Seaview Wastewater Treatment Plant

Quarterly Resource Consents Report

January - March 2026



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Control Sheet

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Executive Summary

The following report was prepared by Veolia on behalf of the Hutt City Council (HCC) for the Greater Wellington Regional Council (GWRC). This report includes results and observations that satisfy the reporting requirements of the following Seaview Wastewater Treatment Plant resource consents:

Discharge Treated Wastewater to Coastal Marine Area -WGN050359 [24539]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN050359 [24539]. In general, the consent allows the discharge of secondary treated and disinfected wastewater to the coastal marine area through an existing outfall at Bluff Point. The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition		Compliant / Non-Compliant / Not Applicable
Quarterly Reporting Summary - condition 17		Compliant
Effluent Quality - Condition (9)	Carbonaceous Biochemical Oxygen Demand (cBOD ₅) - (9 a)	Compliant
	Suspended Solids - (9 b)	Non-compliant
	Faecal Coliforms - (9 c)	Non-compliant
Monitoring Reporting - Condition (10)		Compliant
Analysis for metals and other - Condition (11)		Compliant
Noticeable / Adverse Discharges - Condition (12)		Compliant
Water Samples - Condition (13)		Compliant
Quarterly Reporting Summary - Condition (17)		Compliant

Table 1:WGN050359 [24539] Resource Consent Condition Compliance

Discharge to Air - WGN950162 (01)

The discharge of contaminants to the air from the operation of the Seaview WWTP is governed by resource consent WGN950162 (01). The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Ventilation and Air Pollution Monitoring Parameters - Conditions (11) and (14)	Compliant
Air-borne Pathogen Monitoring - Condition (15)	Compliant
No Noxious, Dangerous Offensive or Objectionable Discharges - Conditions (6 & 7)	Non-Compliant
Complaints - Condition (16)	Compliant
Opacity of Discharges - Condition (18)	Not Applicable

Table 2: WGN980083 [33805] Resource Consent Condition Compliance

Occasional Weather Induced Discharges to Waiwhetu Stream - WGN120142 [33406]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33406]. In general, the consent allows the temporary discharge of treated wastewater to the Waiwhetu Stream during and/or immediately after heavy rain events when flows exceed the capacity of the main outfall pipeline and the storm tank system is fully utilised. The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Reporting of Discharges - Conditions (7) and (10)	Compliant
Reporting of Discharges - Condition (9)	Compliant
Wastewater Sampling - Condition (11)	Compliant
Water Quality Monitoring - Condition (12)	Compliant
Water Quality Monitoring Parameters - Condition (14)	Compliant
Noticeable / Adverse Discharges - Condition (15)	Compliant
Complaints - Condition (16)	Compliant

Table 3 :WGN120142 [33406] Resource Consent Condition Compliance

Outfall Pipeline Repairs - WGN120142 [31740]

When maintenance is required on the Seaview WWTP main outfall pipeline, resource consent WGN120142 [31740] governs the construction of temporary channels on the foreshore to direct treated wastewater discharged from the scour valves on the main outfall pipeline into the sea.

The resource consent is not subjected to quarterly reporting.

Discharges to Coastal Marine Area and land arising from repairs to Pencarrow Head Pipeline - WGN120142 [33407]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33407]. In general, the consent allows the temporary discharge of treated wastewater onto the land where it may enter streams or the coastal marine area from the following:

- Planned repairs
- Unplanned repairs
- Leaks associated with temporary repairs, and
- Minor leaks

This is in relation to the main outfall pipeline from Seaview WWTP to Pencarrow Head.

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Condition 12- Notifications	Compliant
Condition 13- Signage	Compliant
Condition 14 - Scour Valves notification	Compliant
Condition 15- Additional Notifications	Compliant

Table 4 :WGN120142 [33407] Resource Consent Condition Compliance

Discharges to Waiwhetu Stream arising from repairs to Pencarrow Head Pipeline - WGN120142 [33408]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33408]. In general, the consent allows the temporary discharge of treated wastewater to the Waiwhetu Stream when the main outfall pipeline is being repaired. The main outfall pipeline had undergone repair and maintenance from 03/03/2026 until 18/03/2026. The resource consent is not subjected to quarterly reporting. A detailed reporting will be provided in the Annual Reporting.

The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
10	Compliant
11	Non-Compliant
18	Non-Compliant
26	Compliant

Table 5: WGN120142 [33408] Resource Consent Condition Compliance

Discharge to Air from Outfall Vents - WGN930193 (01)

The discharge of contaminants to the air from the outfall venting structures and vents is governed by resource consent WGN930193 (01).

There are no reporting requirements for this resource consent.

Discharge to Air from Sewage Outfall - WGN930193 (02)

The discharge of contaminants to the air from the sewage outfall structure and the sewage effluent is governed by resource consent WGN930193 (02).

There are no reporting requirements for this resource consent.

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Discharge Treated Wastewater to Coastal Marine Area - WGN050359 [24539]

Condition (17) - Quarterly Reporting Summary

The permit holder shall make the results of all monitoring undertaken, as required by conditions of this permit, available to the Manager, Environmental Regulation, Wellington Regional Council on request, including provision of results in electronic format, and a monitoring report for each three-month period ending March, June, September and December shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 30 days after the end of each three month period. The quarterly report shall include reasons for any non-compliance and subsequent actions undertaken to remedy the non-compliance.

Condition is met. The report was not provided within the timeframe of the reporting period.

Effluent Quality - Condition (9)

The following effluent standards shall apply at all times:

- (a) Carbonaceous Biochemical Oxygen Demand (cBOD5)
Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric mean and eighty-percentile calculated each day using 90 consecutive daily test results. The geometric mean of 90 consecutive daily cBOD5 values shall not exceed 50 g/m³ and no more than 20% of 90 consecutive daily values shall exceed 85 g/m³.
- (b) Suspended solids
Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric mean and eighty-percentile calculated each day using 90 consecutive daily test results. The geometric mean of 90 consecutive daily suspended solids values shall not exceed 50 g/m³ and no more than 20% of 90 consecutive daily values shall exceed 85 g/m³.
- (c) Faecal Coliforms
Compliance is based on daily grab samples to be taken between the hours of 1 am and 4pm with a running geometric mean and eighty percentile calculated each day using 90 consecutive daily test results.
The geometric mean of 90 consecutive daily faecal coliform values shall not exceed 1000 per 100 mL and no more than 20% of 90 consecutive daily values shall exceed 5000 per 100 mL.

Reasons for non-compliance:

9(b) Seaview Wastewater Treatment Plant (SWWTP) returned to full compliance with condition 9(b) from 26 February 2026 onwards, and has remained compliant. However, it remained non-complaint for the month of January.

9(c) The 90-day geometric mean for faecal coliform became non-compliant on 25 September 2025, and the 90-day percentile became non-compliant on 16 September 2025. Both parameters remain in non-compliance to the present date.

Please note that two Please Explain documents were submitted to GWRC on 20th March 2026 and 10 April 2026 for exceedances of 90-day 80th percentile for total suspended solids and exceedances of fecal coliforms for Seaview WWTP respectively.

9(a) Condition is met. The following is a summary of the daily results, geometric mean, and eightieth percentile for carbonaceous biochemical oxygen demand.

Day	Jan 26			Feb 26			Mar 26		
	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile
	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3
1	6	15	47	6	15	38	11	14	34
2	25	15	46	11	15	38	61	14	34
3	6	15	46	47	15	46	6	14	34
4	6	15	46	6	15	46	7	14	34
5	6	15	46	6	15	46	13	14	34
6	9	15	46	6	15	46	28	14	34
7	6	15	46	15	15	46	41	14	37
8	6	15	46	6	15	46	24	14	34
9	10	14	46	8	15	46	9	14	34
10	7	14	46	10	15	46	12	14	32
11	13	14	46	8	15	46	32	13	32
12	6	14	46	6	15	46	22	13	29
13	9	14	46	16	15	46	67	13	29
14	34	14	46	6	15	46	15	13	28
15	73	15	47	68	15	47	6	13	26
16	8	15	47	21	16	47	6	12	24
17	6	15	47	10	16	47	20	12	22
18	5	15	47	10	16	47	6	12	22
19	<6	15	47	17	16	47	6	12	22
20	6	15	47	6	16	47	6	12	21
21	6	14	46	8	16	47	6	11	21
22	10	14	46	7	16	47	21	11	21
23	21	15	46	97	16	47	11	11	20
24	17	15	46	6	16	47	15	11	20
25	19	15	40	6	15	46	27	11	21
26	11	14	40	10	15	46	74	11	21
27	22	15	40	9	15	38	19	11	21
28	11	15	40	9	14	34	13	11	21
29	10	15	40				6	11	21
30	6	15	40				11	11	21
31	3	15	40				22	11	21
Limits	N/A	50	85	N/A	50	85	N/A	50	85

Table 6: 5-Day Carbonaceous Biochemical Oxygen Demand Results, Geometric Mean, and 90th Percentile

9(b) - Suspended Solids

Non - Compliant for this part of the condition. The following is a summary of the daily results, geometric mean, and eightieth percentile for the suspended solids.

Day	Jan 26			Feb 26			Mar 26		
	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile
	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³
1	6	26	102	35	24	94	21	21	70
2	56	26	100	13	23	94	119	22	73
3	8	25	97	72	24	94	6	21	70
4	7	25	97	6	24	94	12	21	70
5	7	24	97	5	24	94	12	21	70
6	11	25	97	6	24	94	65	21	70
7	5	24	97	17	24	94	105	21	70
8	11	24	97	7	24	94	108	21	70
9	16	23	94	7	24	94	9	21	68
10	10	23	94	4	23	94	9	20	66
11	14	22	94	5	23	94	84	20	66
12	8	23	94	4	23	94	56	20	64
13	13	23	94	25	23	94	83	20	64
14	69	23	94	5	23	94	23	19	63
15	219	24	97	285	24	94	4	18	59
16	13	24	97	68	25	94	6	18	56
17	4	24	97	24	25	94	22	18	56
18	6	24	97	10	25	94	5	17	55
19	<5	24	98	47	25	94	5	16	54
20	5	24	98	5	25	94	6	16	54
21	12	23	95	11	25	94	5	16	54
22	6	23	95	7	25	94	64	16	54
23	34	23	95	48	25	94	20	15	49
24	55	24	95	5	24	94	51	16	52
25	43	23	94	5	23	88	11	15	51
26	18	23	94	9	23	88	182	15	51
27	64	24	94	11	22	78	19	15	47
28	16	24	94	11	22	73	18	15	47
29	12	24	94				11	15	47
30	5	24	94				20	15	49
31	5	24	94				63	15	52
Limits	N/A	50	85	N/A	50	85	N/A	50	85

Table 7: Suspended Solids Results, Geometric Mean, and 90th Percentile

9(c) - Faecal Coliforms

Non compliant for this part of the Condition. However; this parameter became compliant partway through the period. The following is a summary of the daily results, geometric mean, and eightieth percentile for faecal coliforms.

Day	Jan 26			Feb 26			Mar 26		
	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile	Daily Results	Geometric Mean	90-Day 80th Percentile
	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL
1	70	5496	63558	2249	3161	67720	4743	5415	105814
2	14	4897	60113	5657	3106	67720	63246	5361	104115
3	14	4502	60113	13416	3246	67720	328634	5506	105814
4	28	4164	60113	32404	3322	67720	3795	5453	105814
5	10	3861	60113	24495	3535	67720	12649	5793	105814
6	37	3647	60113	7746	3601	67720	161245	6100	111636
7	42	3579	60113	30	3538	67720	525	5999	111636
8	24	3310	60113	30	3483	67720	28	5639	111636
9	1010	3101	53435	267	3559	67720	200	5217	105814
10	4089	3029	53435	309839	3776	79623	5225	5073	105814
11	2449	2915	48255	164924	3893	85283	1543	4820	104115
12	103923	3062	53435	129306	4158	105047	555	4525	85283
13	120000	3154	60113	877496	4553	111636	157	4222	84283
14	109545	3183	63558	3873	4704	111636	226	4071	84283
15	1122497	3314	66972	151987	5089	121861	118	3796	84283
16	447	3170	66972	63246	5502	121861	1817	3565	79373
17	2098	3099	66972	64807	6001	121861	285	3384	79373
18	283	2931	66972	79373	6526	121861	1200	3284	79373
19	53	2771	66972	1122	6632	121861	949	3127	67720
20	14	2711	69137	154919	6915	133842	700	3076	67720
21	47	2535	69137	473286	7087	152573	309	2967	67720
22	1241	2421	63870	104881	7045	133842	837	2985	67720
23	16523	2468	63870	490	6535	121861	288	2762	63558
24	47329	2612	63870	1449	6271	121861	21354	2774	63558
25	3464	2790	63870	5857	5943	111636	1691	2692	63558
26	6164	2952	63870	800	5548	105814	1200	2647	63558
27	15492	3137	63870	24000	5413	104115	194422	2697	67720
28	219317	3373	70633	174356	5552	105814	1597	2748	67720
29	48990	3457	70633				13491	2877	67720
30	24495	3436	70633				15297	3122	67720
31	28284	3464	70633				1732	3274	67720
Limits	N/A	1000	5000	N/A	1000	5000	N/A	1000	5000

Table 8: Faecal Coliform Results, Geometric Mean, and 90 day 80th Percentile

Please note that highlighted results exceed the applicable condition limits.

Monitoring Reporting - Condition (10)

The permit holder shall report to the Manager, Environmental Regulation, Wellington Regional Council, immediately in the event that a running geometric mean and/or 80 percentile calculated daily from the monitoring programme exceeds the values stipulated in condition 9 for more than three consecutive days. Such a report shall include the likely reason for exceedance, and measures to be undertaken by the permit holder to remedy the situation. The permit holder shall also immediately notify the Medical Officer of Health of any such event.

Condition met. Results are reported for Condition 9 above. Condition exceedances were reported, as required.

Analysis for metals and other - Condition (11)

Based on 24 hour flow-proportioned composite samples collected and analysed once each month in accordance with conditions 6, 7 and 8 and Schedule 1 of this permit, all wastewater discharged through the outfall shall meet the following standards:

Analyte	Units	Standard: Over each 12-month period, from 1 October to 30 June, no more than 2 sample results shall exceed:
Dissolved Arsenic	mg/L	0.115
Dissolved Cadmium	mg/L	0.035
Dissolved Chromium	mg/L	0.220
Dissolved Copper	mg/L	0.065
Dissolved Nickel	mg/L	0.350
Dissolved Lead	mg/L	0.220
Dissolved Zinc	mg/L	0.750
Dissolved Mercury	mg/L	0.005
Cyanide	mg/L	0.200
Phenol	mg/L	0.500
Notes:	<ol style="list-style-type: none"> Two exceedances out of 12 samples is permitted to meet a 95-percentile discharge compliance standard, based on a discharger's risk of no more than 10% (from 'New Zealand Municipal Wastewater Monitoring Guidelines' NZWERF/MfE 2002) The treated wastewater standards above are based on the ANZECC (2000) marine water trigger levels for 'slightly to moderately disturbed ecosystems' multiplied by a factor of 50 to allow for reasonable mixing (the 50:1 dilution contour extends approximately 400 metres from the outfall). 	

Condition met.

Compound	Units	Limit	Jan 26	Feb 26	Mar 26
Dissolved arsenic	g/m³	0.115	0.002	0.003	0.002
Dissolved cadmium	g/m³	0.035	0.0002	0.0002	0.0002
Dissolved chromium	g/m³	0.220	0.002	0.002	0.002
Dissolved copper	g/m³	0.065	0.0039	0.0047	0.003
Dissolved lead	g/m³	0.220	0.0005	0.0005	0.0005
Dissolved mercury	g/m³	0.005	0.0005	<0.0005	0.0005
Dissolved nickel	g/m³	0.350	0.0011	0.0016	0.0011
Dissolved zinc	g/m³	0.750	0.010	0.038	0.010
Cyanide	g/m³	0.500	0.02	<0.02	<0.02
Phenol	g/m³	0.200	0.01	0.01	0.01
Oil and Grease	--	--	4	5	4
Nitrate-N	g/m³	--	4.9	5.5	6.7
Dissolved Reactive Phosphorus	g/m³	--	2	2.5	2.32
pH	g/m³	--	7.4	7.4	7.30
Conductivity	mS/m	--	112	128	116
Ammonia Nitrogen	g/m³	--	16.5	29.9	25.2

Table 9: Analytical Results for Quarterly Metals and other Specified Compounds

As per schedule 1, the effluent is analysed for enterococci on a weekly basis. The following is a summary of this analysis

Day	Jan 26	Feb 26	Mar 26
	cfu/100mL	cfu/100mL	cfu/100mL
1	100		
2			
3		2000	60000
4			
5		1000	8000
6	100		
7			
8	100		
9			
10		16000	2600
11			
12		2000	100
13	38000		
14			
15	60000		
16			
17		38000	200
18			
19		700	300
20			
21	100		
22	700		
23			
24		100	13000
25			
26		100	2000
27	4000		
28			
29	16000		
30			
31			700

Table 10: Effluent Enterococci Results

Noticeable / Adverse Discharges - Condition (12)

The discharge shall not result in any of the following effects beyond a 200 metre radius of the discharge point:

- (a) The production of any conspicuous oil or grease films, scums or foams or floatable or suspended material;
- (b) Any conspicuous change in colour or visual clarity;
- (c) Any emission of objectionable odour; and/or
- (d) Any significant adverse effect on aquatic life.

Condition met - none of the effects listed above were observed at the discharge point.

Water Samples - Condition (13)

The permit holder shall collect representative coastal water samples from knee deep water at the following locations, once each month for six months through November to April inclusive each year, for the duration of this permit:

- (a) Fitzroy Bay 400 m SE of outfall (R27:651.807)
- (b) Fitzroy Bay 100 m SE of outfall (R27:650.808)
- (c) Fitzroy Bay 100 m NW of outfall (R27:648.808)
- (d) Fitzroy Bay 400 m NW of outfall (R27:647.810)
- (e) Pencarrow Head at Lighthouse (R27:647.816)
- (f) Inconstant Point (R27:650.825)
- (g) Hinds Point (R27:655.839)

The water samples shall be analysed for faecal coliform and enterococci bacteria.

Condition is met.

Location	18/01/2026		18/02/2026		17/03/2026	
	Enterococci	Faecal Coliforms	Enterococci	Faecal Coliforms	Enterococci	Faecal Coliforms
Fitzroy Bay 400 SE	< 10	< 10	70	280	< 10	< 10
Fitzroy Bay 100 SE	< 10	< 10	50	410	< 10	20
Fitzroy Bay 100 NW	20	30	30	150	30	150
Fitzroy Bay 400 NW	10	60	< 10	10	< 10	30
Lighthouse	Cancelled		30	40	30	20
Inconstant Point	< 10	< 10	< 10	60	70	30
Hinds Point	< 10	< 10	40	100	< 10	20

Table 11: Water sample results for Faecal Coliform and Enterococci

Discharge to Air - WGN950162 (01)

Conditions 14 and 11(f) - Ventilation and Air Pollution Monitoring Parameters

Condition 14

Monitoring of the key parameters identified in condition 11 (f) above shall be carried out at an appropriate frequency for the type of air pollution control equipment adopted, if the monitoring frequency is not stated in condition 11 (f).

Continuous monitoring shall be used if it is considered appropriate for the type of control equipment adopted.

The results of the monitoring shall be forwarded to the Manager, Consents Management, Wellington Regional Council at three monthly intervals.

Both conditions 11 and 14 are met. Please refer to the tables below.

Jan 26 Day	Back Pressure Pa	Biofilter 1		Biofilter 2		Biofilter 3		Biofilter 4		Biofilter 5		Biofilter 6	
		Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH
		%	--	%	--	%	--	%	--	%	--	%	--
1	1815.48			60.94%	7.40								
2	2744.88					57.40%	7.33						
3	2826.96							56.61%	6.96				
4	2969.10									52.31%	7.26		
5	2490.81												
6	2878.70									66.91%	7.25	63.08%	7.01
7	2873.81	63.89%	7.29										
8	2926.72			53.80%	7.42								
9	2694.03					50.51%	7.43						
10	2902.09					54.73%	6.88						
11	2778.28							41.33%	6.65				
12	2458.96									67.32%	7.26		
13	2578.53											72.47%	7.36
14	2616.88	62.11%	7.26										
15	2514.73			63.01%	7.58								
16	2532.39					49.71%	7.14						
17	2585.41							46.25%	6.73				
18	2434.86							48.94%	6.70				
19	1637.20									44.26%	6.97	44.26%	6.97
20	2473.98	60.86%	7.15										
21	2412.01			63.93%	7.15								
22	1466.08					56.74%	7.78						
23	2404.56							58.44%	7.54				
24	1786.53									55.33%	7.49		
25	2438.32											58.83%	7.34
26	1546.51	60.98%	7.15										
27	1234.97			52.00%	7.08								
28	1507.38					63.81%	7.33						
29	995.35							59.86%	7.61				
30	1639.58									53.71%	7.40		
31	1834.53											44.51%	7.51
Limits		>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6

Table 12: Bio-filter Monitoring Parameters for January

Feb 26 Day	Back Pressure Pa	Biofilter 1		Biofilter 2		Biofilter 3		Biofilter 4		Biofilter 5		Biofilter 6	
		Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH
		%	--	%	--	%	--	%	--	%	--	%	--
1	1889.27	56.32%	7.12										
2	1615.83			55.44%	7.49								
3	1930.04					46.63%	6.86						
4	1749.16							51.87%	7.82				
5	1986.32							58.83%	7.22				
6	2052.76							43.27%	7.12				
7	2144.68									46.30%	7.53		
8	2273.97											59.21%	7.46
9	2039.29	51.34%	7.40										
10	2259.55			58.21%	7.02								
11	2319.46							42.90%	6.70				
12	2138.07					58.39%	6.72						
13	2207.23							28.27%	7.23				
14	2199.00									54.84%	7.12		
15	2259.00											54.39%	7.53
16	1868.85	59.94%	7.23										
17	2253.08			73.39%	5.94								
18	1419.80					62.88%	7.13						
19	1184.59							63.60%	7.05				
20	1767.27									53.21%	7.40		
21	2147.92											61.25%	7.41
22	2220.15	61.94%	7.20										
23	1621.70			53.71%	7.36								
24	1730.94					52.55%	7.59						
25	2191.48							58.38%	6.06				
26	1736.42									58.05%	6.53		
27	2511.89											54.83%	6.99
28	2320.42	57.62%	6.66										
Limits		>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6

Table 13: Bio-filter Monitoring Parameters for February

Mar 26 Day	Back Pressure Pa	Biofilter 1		Biofilter 2		Biofilter 3		Biofilter 4		Biofilter 5		Biofilter 6	
		Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH	Moisture Content	pH
		%	--	%	--	%	--	%	--	%	--	%	--
1	2319.41			80%	7.12								
2	1890.24					49%	7.11						
3	2114.17							57%	7.60				
4	2299.40									58%	7.64		
5	1682.35												
6	2279.56	73%	5.90									67%	6.07
7	2699.64			62%	6.29								
8	2648.72					54%	7.03						
9	2396.37							44%	7.09				
10	811.88									80%	7.14		
11	1141.31											50%	6.98
12	2324.56	49%	7.39										
13	2403.15	53%	7.36										
14	2433.27					60%	5.98						
15	2614.91							49%	7.07				
16	1805.32									44%	6.33		
17	2570.19											61%	7.23
18	2684.57	65%	7.16										
19	1479.50			59%	7.41								
20	1799.38					53%	7.52						
21	2656.06							62%	7.63				
22	2899.60									49%	7.01		
23	2398.21											66%	6.83
24	2910.38	56%	7.12										
25	3041.36			54%									
26	2341.54					55%	7.72						
27	2900.22							60%	6.59				
28	3072.37									67%	7.44		
29	3035.75											67%	7.11
30	1556.31	63%	6.35										
31	2699.39	-		69%	7.03								
Limits		>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6	>40%	>6

Table 14: Bio-filter Monitoring Parameters for March

Please note that the analysis for moisture content and pH in biofilter were determined in-house.

Condition 15 - Air-borne Pathogen Monitoring

Condition 15

The consent holder shall carry out monitoring of air-borne pathogens to demonstrate compliance with condition 6.

Monthly sampling at agreed sites for the first three months after commissioning and then at three monthly intervals thereafter for the first two years of operation, with this frequency to be reviewed at the end of this period.

The location of the samples sites shall be mutually agreed between the consent holder and the Manager, Consents Management, Wellington Regional Council.

The testing shall be carried out by a standard method to the satisfaction of the Manager, consents Management, Wellington Regional Council.

On 6 June 2024 Greater Wellington Regional Council determined:

- The sites for sampling,
- The frequency shall be once per annum, during summer. If there's any presence of faecal coliforms or salmonella detected, then monthly sampling until the absence of these microorganisms is established for two consecutive months.

Condition is met. Ambient microbe monitoring was performed on 24 February 2026 and the subsequent report issued on 14 March 2026.

The results of the Seaview WWTP ambient microbe monitoring performed on 24 February 2026 are presented in Table below and confirms the absence of Salmonella and Faecal Coliforms in the vicinity of the plant, thereby demonstrating compliance with site's resource consent.

The concentration of ambient microbes at all sites were within the Biodet guideline for outdoor air (Biodet database). Aspergillus Fumigatus, Gram-negative, and Enterococci were also below the detection limit of the method. The results were similar to those observed in February 2025.

Site	Total Count (CFU/m ³) ^a	Filter 1 Breakdown of Total Count					Filter 2		Filter 3		
		Total Bacteria (CFU/m ³) ^a	Total Actinomyces (CFU/m ³) ^a	Total Fungi ^b (CFU/m ³) ^a	Total Yeasts (CFU/m ³) ^a	Aspergillus Fumigatus ^c (CFU/m ³) ^a	Gram Negative (CFU/m ³) ^a	Enterococci (CFU/m ³) ^a	Salmonella Present/Absent	Total Coliforms Present/Absent	Faecal Coliforms Present/Absent
Site 1	265	12	2	251	<2	<2	<2	<2	Absent	Absent	Absent
Site 2	181	23	<2	158	<2	<2	<2	<2	Absent	Absent	Absent
Site 3	438	25	15	395	<2	<2	<2	<2	Absent	Absent	Absent
Site 4	146	53	<2	89	4	<2	<2	<2	Absent	Absent	Absent

a) CFU/m³ = Colony forming units per cubic meter of air at actual temperature and pressure

b) F/Fungi = Filamentous Fungi

c) Aspergillus fumigatus count is included in the Total Fungi count

The full report is available on request.

No Noxious, Dangerous Offensive or Objectionable Discharges - Conditions (6 & 7)

On completion of commissioning, there shall be no discharges to air that are noxious, dangerous, offensive or objectionable at or beyond the boundary of the property. These discharges include odour and dust.

The consent holder shall adopt the best practicable option to treat all discharges to air so as to comply with condition 6

Condition not met - there was one odour incident that was deemed Offensive & Objectionable.

Complaints - Condition (16)

The consent holder shall keep a record of any complaints received. The complaints shall be forwarded to the Manager, Consents Management within twenty-four hours of being received by the consent holder.

The consent holder shall endeavour to record the complainants name, time of incident that caused the complaint, wind direction and speed and plant operating conditions at the time of the complaint.

Any incident that could have caused or has caused adverse effects on the environment at or beyond the boundary of the site shall be notified to the Wellington Regional Council within twenty-four hour., This includes any incidents that result in complaints.

Condition met. A register of odour complaints is held and available to GWRC on request.

Opacity of Discharges - Condition (18)

The opacity of all discharges from combustion appliances and any sludge dryer (excluding steam) shall not exceed 20%, except for a period of ten minutes for starting up from cold.

This condition is not applicable. All exhaust from the sludge dryer is captured, condensed, and then discharged.

Occasional Weather Induced Discharges to Waiwhetu Stream - WGN120142 [33406]

Reporting of Discharges - Conditions (7) and (10)

Within two working days of the discharge stopping, the consent holder shall submit details of each discharge event in a suitable electronic format to Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydhb.org.nz. Details shall include but not be limited to:

- Consent reference WGN120142 [31523]
- Cause of the discharge
- Location of the discharge
- Start date and time of the discharge
- End date and time of the discharge
- Maximum flow (L/s) of the discharge
- Mean flow (L/s) of the discharge
- Daily volume (m³) of the discharge
- Contact person for further information regarding the discharge
- Continuous flow records (m³/s) during the discharge period as measured by the consent holder-as required by condition 10
- Rainfall in the catchment during the discharge period (mm) (if available)

Note: Local rainfall data (Hutt at Birch Lane monitoring site) can be downloaded from the Greater Wellington website <http://graphs.gw.govt.nz/rainfall-2/>

Condition is met - required disclosures provided in discharge notifications issued for each event. The following is a summary of the information in those discharge notifications:

Date	Duration	Flow in Waiwhetu Stream		Discharge to Waiwhetu Stream		Total Volume of Discharge	Consented	Cause
		Average Flow	Peak Flow	Average Flow	Peak Flow			
dd/mm/yyyy	hh:mm	m3/s		L/s		m ³	Y/N	
15/1/2026	25:06	2.7	12	315	1474	28419	Y	Heavy Rainfall
27/01/2026	01:14	2.2	4	221	1077	981	Y	
30/01/2026	02:06	-	-	207	643	3791	N	Pump failure
03/02/2026	12:06	-4	-4	405	1624	17623	Y	Heavy Rainfall
15/02/2025	84:57	-	-	666	1819	203669	Y	
16/02/2026	00:50	-	-	955	1588	2865	N	Power failure
27/03/2026	00:24	8.5	9	326	545	469	Y	Heavy Rain

Table 15: Discharge Events

Reporting of Discharges - Condition (9)

The consent holder shall monitor the flow rate, duration and total volume of all overflows discharged from the treatment plant into the Waiwhetu Stream and shall report the results to Wellington Regional Council in accordance with condition 25 of this consent, or upon request.

The flow monitoring devices shall be capable of measuring wastewater flows of magnitudes up to and beyond peak instantaneous flow rates, and calibrated and maintained to ensure that the measurement error is no more than +/-10%.

Condition is met, details disclosed in discharge notifications summarised above (refer conditions (7) and (10) / Table above).

Wastewater Sampling - Condition (11)

The consent holder shall take a grab sample of treated wastewater as it leaves the treatment plant prior to entering the overflow pipe each day that a discharge occurs for more than one hour. The samples shall be analysed for parameters specified in condition 14.

Condition met - see condition 14 (below).

Water Quality Monitoring - Condition (12)

Each day a discharge occurs and one day after the cease of a discharge the consent holder shall take representative grab samples of Waiwhetu Stream water at two levels in the water column, namely 0.5 centimetres and 15 centimetres below the surface. The samples shall be collected from the true left bank of the Waiwhetu Stream at locations specified in Table 1.1:

Site	NZTM	
	Easting	Northing
<ul style="list-style-type: none">Immediately upstream of the Port Road BridgeAdjacent to the Waiwhetu Pa site and downstream of the public walkwayImmediately downstream of the Bell Road Bridge	1759345	5433136
	1759539	5433352
	1760431	5433523

The consent holder shall record the date, time (NZ standard time), weather (in particular wind direction and strength) and tidal conditions (low/medium/high and ebb/flood tide) at the stream mouth when the samples are taken. Where practicable, the sampling should be undertaken at least three hours after any ebb tide starts. The samples shall be analysed for parameters specified in condition 14. Note: This condition does not apply to overflows with a duration of less than one hour.

Condition met. Please find the results in the Appendix II.

Water Quality Monitoring Parameters - Condition (14)

The samples collected in accordance with conditions 11 and 12 shall be analysed for:

- Faecal coliforms (cfu/100mL)
- Carbonaceous biochemical oxygen demand (cBODs) (g/m³)
- Escherichia coli (no./100mL)
- Enterococci (no./100mL)
- Dissolved reactive phosphorus (g/m³)
- Ammoniacal nitrogen (g/m³)
- Nitrate nitrogen (g/m³), and
- Nitrite nitrogen (g/m³)

In addition, on each sampling occasion at the three locations along the Waiwhetu Stream as described in condition 12 the consent holder shall ensure the following in-situ measurements are recorded:

- Water temperature
- pH
- Salinity, and
- Dissolved oxygen.

An assessment of the above results shall be provided in the annual report required by condition 25. Copies of the water quality monitoring results shall be provided in both electronic and hardcopy format to the Manager, Environmental Regulation, Wellington Regional Council upon request.

Condition met - The analytical results listed as requirements in this condition are set in the Appendix I.

Noticeable / Adverse Discharges - Condition (15)

- a) The discharge shall not result in any of the following effects on the water of the Waiwhetu Stream beyond the reasonable mixing zone boundary defined as 1 00m downstream of the Waiwhetu Stream outfall (i.e. immediately upstream of Port Road Bridge) and 100m upstream the Waiwhetu Stream outfall (i.e. adjacent to Lot 2 DP 421395):
- 1) The production of any conspicuous oil or grease or grease films, scums or foams or floatable or suspended materials, or
 - 2) Any conspicuous change in colour or clarity
 - 3) Any emission of objectionable odour, or
 - 4) Any significant adverse effects on aquatic life
- b) During each sampling event required by condition 12, the consent holder shall take photographs of the point of discharge and immediate receiving waters around the point of discharge to show the presence of any of effects (1-4) listed in condition 15 (a) and any obvious undesirable biological growths or visible die-offs.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the photographs in the annual report required by condition 25 of this consent or upon request.

Condition met - As recorded under Condition 12, there were no noticeable or adverse effects. Photographs are available on request.

Complaints - Condition (16)

The consent holder shall keep a record of any complaints received.

The consent holder shall endeavour to record the name and address of the complainant (if provided), identification of nature of the complaint, date and time of complaint and of the alleged event and measures taken to address the cause of the complaint.

The complaints shall be forwarded to the Manager, Consents Management within twenty-four hours of being received by the consent holder or next working day.

Condition met. A complaints register is maintained and details of any complaints received are available to GWRC on request.

Outfall Pipeline Repairs - WGN120142 [31740]

When maintenance is required on the Seaview WWTP main outfall pipeline, resource consent WGN120142 [31740] governs the construction of temporary channels on the foreshore to direct treated wastewater discharged from the scour valves on the main outfall pipeline into the sea.

The resource consent is not subjected to quarterly reporting.

Discharges to Coastal Marine Area and land arising from repairs to Pencarrow Head Pipeline WGN120142 [33407]

The main outfall pipeline had undergone repair and maintenance from 03/03/2026 until 18/03/2026. Please be advised that this consent is subject to annual reporting under condition 30 of the Resource Consent. The resource consent is not subjected to quarterly reporting. A detailed reporting will be provided in the Annual Reporting.

Condition 12- Notifications

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council at and rec-wq@gw.govt.nz and notifications@gw.govt.nz Regional Public Health at healthprotection@huttvalleydwb.org.nz 48 hours in advance (where practicable) of any planned/unplanned repair work commencing, or no later than eight hours after commencement of a discharge associated with unplanned repairs. Notification is to include: The consent reference WGN120142 [31524]
A name and phone number of a contact person for further information

Condition is met - required disclosures provided in discharge notifications issued for each event. A complaints register is maintained.

Condition 13 - Signage

On the day of the commencement of the discharge the consent holder shall ensure that notification signs are installed and maintained as close as practicable to the scour valve discharge location to indicate a health warning and advise that the immediate area has been recently polluted by treated wastewater. The signs shall remain in place for a minimum of 10 days after the cessation of the discharge. The content, location and duration of the signage shall be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Condition is met.

Condition 14 - Scour Valves notification

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz of the number of the scour valve(s) (i.e. scour valve 1-15) used to drain the pipeline and provide a description of the immediate receiving environment (e.g. discharge direct to water or across foreshore) within 24 hours of the discharge commencing.

Condition is met.

Condition 15- Additional Notifications

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz and rec-wq@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydwb.org.nz within 8 hours of a leak being identified. Notification is to include the consent reference WGN120142 [31524] location of the leak (NZTM coordinates) and a name and phone number of a contact person for further information.

Condition is met.

Discharges to Waiwhetu Stream arising from repairs to Pencarrow Head Pipeline - WGN120142 [33408]

The main outfall pipeline had undergone repair and maintenance from 03/03/2026 until 18/03/2026. Please be advised that this consent is subject to annual reporting under condition 35 of the Resource Consent. The resource consent is not subjected to quarterly reporting. A detailed reporting will be provided in the Annual Reporting.

Condition 10 - Notifications

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz and rec-wq@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydhb.org.nz 48 hours in advance (where practicable) of any planned/unplanned repair work commencing, or no later than eight hours after commencement of a discharge associated with unplanned repairs. Notification is to include the consent reference WGN120142 [31528] and a name and phone number of a contact person for further information.

Condition is met.

Condition 11 - Discharge notification

Within two working days of the discharge stopping, the consent holder shall submit details of each discharge event in a suitable electronic format to Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz rec-wq@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydhb.org.nz. Details shall include but not be limited to:

- Cause of the discharge (e.g. associated with planned or unplanned repairs)
- Location of the discharge
- Start date and time of the discharge
- End date and time of the discharge
- Maximum flow (L/s)
- Mean flow (L/s)
- Daily volume (m3)

Condition is not met. The report was not provided within two working days. However; the following is a summary of the information in the discharge notification:

Start Date	End Date	Duration	Flow in Waiwhetu Stream		Discharge to Waiwhetu Stream		Total Volume of Discharge	Consented	Cause
			Average Flow	Peak Flow	Average Flow	Peak Flow			
dd/mm/yyyy		hh:mm	m3/s		L/s		m ³	Y/N	
03/03/2026	18/03/2026	345:41	Refer discharge notification		600	941	747,111	Y	Unplanned outfall repair

Table 16: Discharge Events

Complaints - Condition (26)

The consent holder shall keep a record of any complaints received.

The consent holder shall endeavour to record the name and address of the complainant (if provided), identification of nature of the complaint, date and time of complaint and of the alleged event and measures taken to address the cause of the complaint.

The complaints shall be forwarded to the Manager, Consents Management within twenty-four hours of being received by the consent holder or next working day.

Condition met. A complaints register is maintained and details of any complaints received are available to GWRC on request.

	January 2026	February 2026	March 2026
# of Complaints logged	0	0	1

Table 17: Complaints Register

Effects on Waiwhetu - Condition (18a)

The discharge shall not result in any of the following effects on the water of the Waiwhetu Stream beyond the reasonable mixing zone boundary as defined as 100m downstream of the Waiwhetu outfall (i.e. immediately upstream of the Port Road Bridge) and 100m upstream of the Waiwhetu Stream outfall (i.e. adjacent to Lot 2 DP421395):

1. The production of conspicuous oil or grease or grease films, scums or foams or floatable suspended materials, or
2. Any conspicuous change in colour or clarity
3. Any emission or objectionable odour, or
4. Any significant adverse effects on aquatic life

Please find the results in Appendix III.

Appendix I - Condition 11 and 14 Wastewater Sampling

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
15/1/2026	Nitrite-N	mg/l	<0.01	<0.01	<0.01	<0.01
	Nitrate-N	mg/l	0.16	0.11	0.08	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	15	10	40	653
	Dissolved Copper	mg/l	0.0036	0.0045	0.0027	0.003
	Dissolved Zinc	mg/l	0.033	0.094	0.094	0.005
	Turbidity	NTU	6.9	8.1	45	400
	Salinity	ppt	<2	<2	<2	<2
	Dissolved Reactive Phosphorus	mg/l	0.013	0.056	0.031	3.52
	Ammonia Nitrogen	mg/l	0.08	0.08	2	21.9
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	6000	24000	210000	540000
16/1/2026	Nitrite-N	mg/l	<0.01	<0.01	<0.01	<0.01
	Nitrate-N	mg/l	0.66	0.19	0.13	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<6	<6	<6	10
	Dissolved Copper	mg/l	0.0039	0.0019	0.0008	0.0038
	Dissolved Zinc	mg/l	0.024	0.016	0.003	0.014
	Turbidity	NTU	8.6	13	7.2	2.3
	Salinity	ppt	<2	<2	<2	<2
	Dissolved Reactive Phosphorus	mg/l	0.072	0.029	0.022	0.103
	Ammonia Nitrogen	mg/l	0.17	0.04	<0.01	11.9
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	4400	6000	1600	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	6000	> 6000	2400	4400
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	2000	< 1000	1000	4000
17/1/2026	Nitrite-N	mg/l	0.01	<0.01	<0.01	<0.01
	Nitrate-N	mg/l	1.14	0.25	0.28	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<6	<6	<6	<6
	Dissolved Copper	mg/l	0.0033	0.0021	0.0024	0.0042
	Dissolved Zinc	mg/l	0.023	0.018	0.019	0.013
	Turbidity	NTU	28	25	6.6	1.9
	Salinity	ppt	<2	<2	2	<2
	Dissolved Reactive Phosphorus	mg/l	0.071	0.049	0.048	0.367

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
	Ammonia Nitrogen	mg/l	0.09	0.01	0.06	17.5
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	700	3200	4800	1500
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	600	1900	3300	800
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	2000	1000	5000	< 1000
18/1/2026	Nitrite-N	mg/l	0.01	<0.01	<0.01	<0.01
	Nitrate-N	mg/l	0.45	0.43	0.4	0.02
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0021	0.0024	0.0022	0.0037
	Dissolved Zinc	mg/l	0.014	0.026	0.021	0.011
	Turbidity	NTU	21	6.5	4.2	4.3
	Salinity	ppt	<2	<2	2	<2
	Dissolved Reactive Phosphorus	mg/l	0.081	0.053	0.064	0.508
	Ammonia Nitrogen	mg/l	<0.01	0.05	0.02	22
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	300	2000	2600	600
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	400	1000	900	10
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	< 1000
27/1/2026	Nitrite-N	mg/l	0.01	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.26	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	3	<3	<3	153
	Dissolved Copper	mg/l	0.0036	0.0021	0.0025	0.0035
	Dissolved Zinc	mg/l	0.026	0.015	0.025	0.008
	Turbidity	NTU	6.4	4.3	6	160
	Salinity	ppt	<2	2	2	<2
	Dissolved Reactive Phosphorus	mg/l	0.053	0.029	0.036	1.85
	Ammonia Nitrogen	mg/l	0.08	0.04	0.05	34.4
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	4400	5200	> 6000	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	2000	2000	6000	59000
28/1/2026	Nitrite-N	mg/l	<0.01	<0.01	<0.01	<0.01
	Nitrate-N	mg/l	0.38	0.06	0.02	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	58	<6	<6	10
	Dissolved Copper	mg/l	0.0025	0.0006	0.0007	0.0047
	Dissolved Zinc	mg/l	0.01	0.005	0.006	0.012
	Turbidity	NTU	500	2.24	2.17	3.926666667

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
	Salinity	ppt	<2	5	9	<2
	Dissolved Reactive Phosphorus	mg/l	0.046	0.014	0.017	1.97
	Ammonia Nitrogen	mg/l	0.1	0.1	0.27	17.4
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	3700	570	430	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	4100	210	110	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	1000	1000	< 1000	120000
29/1/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.01
	Nitrate-N	mg/l	0.17	<0.1	<0.1	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<3	<3	<3	10
	Dissolved Copper	mg/l	0.0013	0.0005	0.0006	0.0041
	Dissolved Zinc	mg/l	0.168	0.007	0.003	0.01
	Turbidity	NTU	5.6	1.72	1.25	3.605
	Salinity	ppt	11	15	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.058	0.024	0.026	1.39
	Ammonia Nitrogen	mg/l	0.62	0.39	0.47	20.9
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	1400	500	40	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	400	140	80	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	1000	< 1000	< 1000	85000
30/1/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.01
	Nitrate-N	mg/l	0.21	<0.1	<0.1	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<6	<3	<3	18
	Dissolved Copper	mg/l	0.0011	0.0015	0.0008	0.0105
	Dissolved Zinc	mg/l	0.024	0.006	0.005	0.013
	Turbidity	NTU	9.3	2.215	0.929	9.8
	Salinity	ppt	7	9	2	<2
	Dissolved Reactive Phosphorus	mg/l	0.052	0.41	0.013	1.51
	Ammonia Nitrogen	mg/l	0.14	4.73	0.05	21.8
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	5600	> 6000	800	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	500	4000	170	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	2000	23000	< 1000	200000
31/1/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.01
	Nitrate-N	mg/l	0.17	0.18	<0.1	0.02
	Carbonaceous Biochemical Oxygen Demand	mg/l	<3	4	<3	20
	Dissolved Copper	mg/l	0.0015	0.0053	0.0022	0.0074

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
	Dissolved Zinc	mg/l	0.018	0.046	0.007	0.013
	Turbidity	NTU	8.4	4.6	1.5	3.7
	Salinity	ppt	11	11	18	<2
	Dissolved Reactive Phosphorus	mg/l	0.052	0.032	0.016	2.16
	Ammonia Nitrogen	mg/l	0.36	0.46	0.22	23.4
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	700	500	260	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	400	300	150	6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	20000
1/2/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.01
	Nitrate-N	mg/l	0.13	0.15	0.12	<0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<3	7	<3	4
	Dissolved Copper	mg/l	0.0016	0.0031	0.0016	0.0032
	Dissolved Zinc	mg/l	0.021	0.048	0.018	0.007
	Turbidity	NTU	12	6.9	3.8	1.9
	Salinity	ppt	13	13	13	<2
	Dissolved Reactive Phosphorus	mg/l	0.029	0.026	0.03	0.993
	Ammonia Nitrogen	mg/l	0.23	0.31	0.2	24.3
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	500	1600	500	2100
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	380	260	190	1300
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	1000	1000	< 1000	< 1000
04/02/2026	Nitrite-N	mg/l	<0.01	<0.01	<0.1	<0.01
	Nitrate-N	mg/l	0.56	0.18	0.16	0.02
	Carbonaceous Biochemical Oxygen Demand	mg/l	6	<6	6	18
	Dissolved Copper	mg/l	0.0055	0.0027	0.003	0.0033
	Dissolved Zinc	mg/l	0.031	0.021	0.022	0.012
	Turbidity	NTU	11	13	10	9.8
	Salinity	ppt	<2	<2	<2	<2
	Dissolved Reactive Phosphorus	mg/l	0.036	0.062	0.071	0.243
	Ammonia Nitrogen	mg/l	0.04	0.61	0.68	8.86
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	6000	33000	24000	60000	
05/02/2026	Nitrite-N	mg/l	<0.01	<0.01	<0.1	<0.01
	Nitrate-N	mg/l	0.33	0.34	0.24	0.01

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
	Carbonaceous Biochemical Oxygen Demand	mg/l	<6	<3	<3	6
	Dissolved Copper	mg/l	0.0019	0.0018	0.0017	0.0034
	Dissolved Zinc	mg/l	0.016	0.021	0.019	0.012
	Turbidity	NTU	21	7.2	15.05	1.9
	Salinity	ppt	<2	4	4	<2
	Dissolved Reactive Phosphorus	mg/l	0.133	0.039	0.103	1.07
	Ammonia Nitrogen	mg/l	0.13	0.12	0.11	19.6
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	> 6000	> 6000	> 6000	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	3200	500	400	> 6000
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	4000	8000
6/2/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.01
	Nitrate-N	mg/l	0.24	<0.1	<0.1	0.01
	Carbonaceous Biochemical Oxygen Demand	mg/l	<3	3	<3	9
	Dissolved Copper	mg/l	0.0015	0.0016	0.0012	0.0034
	Dissolved Zinc	mg/l	0.028	0.022	0.019	0.013
	Turbidity	NTU	6.655	4.3	3.105	4.01
	Salinity	ppt	7	14	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.038	0.029	0.031	1.82
	Ammonia Nitrogen	mg/l	0.11	0.14	0.31	21.7
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	> 6000	2500	1800	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1000	600	900	1400
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	10000	< 1000	1000	2000
07/02/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
	Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
16/2/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
	Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000
17/02/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
	Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000
18/2/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1	

Date	Parameter Name	Units	Bell Road	Waiwhetu Pa	Port Road	Discharge Point
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000
19/02/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
	Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000
20/2/2026	Nitrite-N	mg/l	<0.1	<0.1	<0.1	<0.1
	Nitrate-N	mg/l	0.23	<0.1	<0.1	<0.1
	Carbonaceous Biochemical Oxygen Demand	mg/l	4	<3	<3	7
	Dissolved Copper	mg/l	0.0028	0.0012	0.0014	0.0054
	Dissolved Zinc	mg/l	0.021	0.011	0.011	0.014
	Turbidity	NTU	3.88	1.26	1.2	3.35
	Salinity	ppt	8	13	15	<2
	Dissolved Reactive Phosphorus	mg/l	0.031	0.016	0.029	0.566
	Ammonia Nitrogen	mg/l	0.2	0.21	0.22	23.1
	Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	2300	400	200	> 6000
	Enumeration of Enterococci by Membrane Filtration	cfu/100 ml	1300	300	300	2100
	Enumeration of Escherichia coli by Membrane Filtra	cfu/100 ml	< 1000	< 1000	< 1000	8000

Table 18: Discharge Monitoring

Appendix II - Water Quality Monitoring - Condition (12)

Conditions at Sampling Sites													
Date	Time	SITE ID	Temp	PH	D O mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible debris
15/01/2026	14:05:00	Down Stream Bell Rd Bridge	18.2	6.24	8.43	SW	Light	Rain	High	Flood	Yes	None	None
15/01/2026	13:25:00	Effluent Dis To Waiwhetu Stream	20.1	6.93	1.1	SW	Light	Rain	High	Flood	Yes	None	None
15/01/2026	14:20:00	Waiwhetu Pa	17.9	6.32	7.94	SW	Light	Rain	High	Flood	Yes	None	None
15/01/2026	14:30:00	Upstream of Port Rd Bridge	18.1	6.39	7.1	SW	Light	Rain	High	Flood	Yes	None	None
16/01/2026	12:38:00	Down Stream Bell Rd Bridge	18.7	6.58	7.36	SW	Light	Overcast	Mid	Flood	Yes	None	None
16/01/2026	12:18:00	Effluent Dis To Waiwhetu Stream	20.3	6.94	6.14	SW	Light	Overcast	Mid	Flood	Yes	None	None
16/01/2026	12:47:00	Waiwhetu Pa	17.6	6.73	9.55	SW	Light	Overcast	Mid	Flood	Yes	None	None
16/01/2026	13:01:00	Upstream of Port Rd Bridge	17	6.86	9.91	SW	Light	Overcast	Mid	Flood	Yes	None	None
27/01/2026	13:34:00	Down Stream Bell Rd Bridge	17.3	7.15	6.73	S	Light	Rain	Flood	High	Yes	None	None
27/01/2026	13:06:00	Effluent Dis To Waiwhetu Stream	19.8	7.25	1.49	S	Light	Rain	Flood	High	Yes	None	None
27/01/2026	13:18:00	Waiwhetu Pa	16.9	6.7	8.66	S	Light	Rain	Flood	High	Yes	None	None
27/01/2026	13:53:00	Upstream of Port Rd Bridge	17	7.16	8.79	S	Light	Rain	Flood	High	Yes	None	None
28/01/2026	10:13:00	Down Stream Bell Rd Bridge	18	6.81	5.55	S	Moderate	Clear	Flood	High	Yes	None	None
28/01/2026	10:35:00	Effluent Dis To Waiwhetu Stream	21.4	7.46	5.82	S	Moderate	Clear	Flood	High	Yes	None	None
28/01/2026	11:48:00	Waiwhetu Pa	17.4	7.96	10.13	S	Moderate	Clear	Flood	High	Yes	None	None
28/01/2026	11:55:00	Upstream of Port Rd Bridge	17.1	8.11	10.63	S	Moderate	Clear	Flood	High	Yes	None	None
29/01/2026	13:09:00	Down Stream Bell Rd Bridge	19.1	7.66	7.77	S	Light	Overcast	Flood	High	Yes	None	None
29/01/2026	12:13:00	Effluent Dis To Waiwhetu Stream	20.5	7.46	6.19	S	Light	Overcast	Flood	High	Yes	None	None
29/01/2026	13:03:00	Waiwhetu Pa	18	8.2	9.82	S	Light	Overcast	Flood	High	Yes	None	None
29/01/2026	13:17:00	Upstream of Port Rd Bridge	17.8	8.22	9.89	S	Light	Overcast	Flood	High	Yes	None	None
30/01/2026	12:52:00	Down Stream Bell Rd Bridge	20.1	7.07	7.13	N	Light	Overcast	Low	Flood	No	None	None
30/01/2026	12:30:00	Effluent Dis To Waiwhetu Stream	22.5	7.15	5.97	N	Light	Overcast	Low	Flood	No	None	None
30/01/2026	13:05:00	Waiwhetu Pa	21.3	7.21	7.22	N	Light	Overcast	Low	Flood	No	None	None
30/01/2026	13:15:00	Upstream of Port Rd Bridge	20.5	7.18	7.69	N	Light	Overcast	Low	Flood	No	None	None
31/01/2026	11:32:00	Down Stream Bell Rd Bridge	20.2	7.32	8.01	N	Strong	Cloudy	Low	Flood	No	None	None
31/01/2026	11:06:00	Effluent Dis To Waiwhetu Stream	21	7.31	8.01	N	Strong	Cloudy	Low	Flood	No	None	None

Conditions at Sampling Sites													
Date	Time	SITE ID	Temp	PH	D O mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible debris
31/01/2026	11:41:00	Waiwhetu Pa	22	7.4	7.97	N	Strong	Cloudy	Low	Flood	No	None	None
31/01/2026	11:57:00	Upstream of Port Rd Bridge	20.6	9.97	8.1	N	Strong	Cloudy	Low	Flood	No	None	None
01/02/2026	11:27:00	Down Stream Bell Rd Bridge	19.3	7.19	8.42	N	Moderate	Overcast	Low	Flood	No	None	None
01/02/2026	11:10:00	Effluent Dis To Waiwhetu Stream	22.1	7.32	6.07	N	Moderate	Overcast	Low	Flood	No	None	None
01/02/2026	11:40:00	Waiwhetu Pa	22.1	6.95	7.92	N	Moderate	Overcast	Low	Flood	No	None	None
01/02/2026	11:55:00	Upstream of Port Rd Bridge	20.9	7.01	8.79	N	Moderate	Overcast	Low	Flood	No	None	None
04/02/2026	09:07:00	Down Stream Bell Rd Bridge	16	6.53	8.01	S	Light	Overcast	High	Ebb	Yes	None	None
04/02/2026	09:42:00	Effluent Dis To Waiwhetu Stream	18.6	7.11	3.71	S	Light	Overcast	High	Ebb	Yes	None	None
04/02/2026	09:17:00	Waiwhetu Pa	15.5	7.04	8.35	S	Light	Overcast	High	Ebb	Yes	None	None
04/02/2026	09:27:00	Upstream of Port Rd Bridge	15.6	7.14	8.34	S	Light	Overcast	High	Ebb	Yes	None	None
05/02/2026	13:05:00	Down Stream Bell Rd Bridge	21.4	7.28	6.59	N	Light	Clear	Low	Ebb	Yes	None	None
05/02/2026	12:29:00	Effluent Dis To Waiwhetu Stream	21.6	7.25	6.06	N	Light	Clear	Low	Ebb	Yes	None	None
05/02/2026	12:56:00	Waiwhetu Pa	20.1	7.39	7.32	N	Light	Clear	Low	Ebb	Yes	None	None
05/02/2026	13:14:00	Upstream of Port Rd Bridge	19.6	7.38	7.38	N	Light	Clear	Low	Ebb	Yes	None	None
06/02/2026	12:10:00	Down Stream Bell Rd Bridge	19.6	7.07	7.29	N	Light	Clear	Mid	Ebb	No	None	None
06/02/2026	11:50:00	Effluent Dis To Waiwhetu Stream	22.3	7.31	6.01	N	Light	Clear	Mid	Ebb	No	None	None
06/02/2026	12:17:00	Waiwhetu Pa	19.6	7.03	9.31	N	Light	Clear	Mid	Ebb	No	None	None
06/02/2026	12:25:00	Upstream of Port Rd Bridge	19.7	7.22	8.82	N	Light	Clear	Mid	Ebb	No	None	None
07/02/2026	12:17:00	Down Stream Bell Rd Bridge	21.8	7.08	7.31	N	Moderate	Cloudy	Mid	Ebb	No	None	None
07/02/2026	12:05:00	Effluent Dis To Waiwhetu Stream	23.3	7.46	6.43	N	Moderate	Cloudy	Mid	Ebb	No	None	None
07/02/2026	12:26:00	Waiwhetu Pa	21.6	7.45	8.85	N	Moderate	Cloudy	Mid	Ebb	No	None	None
07/02/2026	12:37:00	Upstream of Port Rd Bridge	21.6	7.56	8.91	N	Moderate	Cloudy	Mid	Ebb	No	None	None
16/02/2026	13:14:00	Down Stream Bell Rd Bridge	14.3	6.25	9.64	S	Strong	Overcast	Low	Flood	Yes	None	None
16/02/2026	12:54:00	Effluent Dis To Waiwhetu Stream	17.9	6.66	6.9	S	Strong	Overcast	Low	Flood	Yes	None	None
16/02/2026	13:04:00	Waiwhetu Pa	14.4	6.59	9.55	S	Strong	Overcast	Low	Flood	Yes	None	None
16/02/2026		Upstream of Port Rd Bridge	NOT SAMPLED										
17/02/2026	13:21:00	Down Stream Bell Rd Bridge	16.7	6.75	7.44	N	Light	Cloudy	Low	Flood	Yes	None	None
17/02/2026	13:30:00	Effluent Dis To Waiwhetu Stream	17.3	6.88	3.83	N	Light	Cloudy	Low	Flood	Yes	None	None

Conditions at Sampling Sites													
Date	Time	SITE ID	Temp	PH	D O mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible debris
17/02/2026	13:58:00	Waiwhetu Pa	17.4	6.48	7.78	N	Light	Cloudy	Low	Flood	Yes	None	None
17/02/2026	12:41:00	Upstream of Port Rd Bridge	17.1	6.64	7.95	N	Light	Cloudy	Low	Flood	Yes	None	None
18/02/2026	11:31:00	Down Stream Bell Rd Bridge	18.5	6.88	6.24	N	Light	Cloudy	Low	Ebb	Yes	None	None
18/02/2026	11:14:00	Effluent Dis To Waiwhetu Stream	20.5	6.83	3.4	N	Light	Cloudy	Low	Ebb	Yes	None	None
18/02/2026	11:21:00	Waiwhetu Pa	18.8	6.71	5.76	N	Light	Cloudy	Low	Ebb	Yes	None	None
18/02/2026	11:47:00	Upstream of Port Rd Bridge	18.5	6.88	6.12	N	Light	Cloudy	Low	Ebb	Yes	None	None
19/02/2026	10:35:00	Down Stream Bell Rd Bridge	17	6.5	5.83	NE	Strong	Cloudy	Low	Ebb	No	None	None
19/02/2026	10:46:00	Effluent Dis To Waiwhetu Stream	19.6	7.2	5	NE	Strong	Cloudy	Low	Ebb	No	None	None
19/02/2026	12:07:00	Waiwhetu Pa	17.6	7.12	5.66	NE	Strong	Cloudy	Low	Ebb	No	None	None
19/02/2026	12:16:00	Upstream of Port Rd Bridge	17.9	7.01	5.98	NE	Strong	Cloudy	Low	Ebb	No	None	None
20/02/2026	11:01:00	Down Stream Bell Rd Bridge	17.6	6.56	5.13	NE	Moderate	Overcast	Low	Ebb	No	None	None
20/02/2026	11:13:00	Effluent Dis To Waiwhetu Stream	19.7	7.16	4.94	NE	Moderate	Overcast	Low	Ebb	No	None	None
20/02/2026	12:04:00	Waiwhetu Pa	17.3	7.08	5.41	NE	Moderate	Overcast	Low	Ebb	No	None	None
20/02/2026	12:10:00	Upstream of Port Rd Bridge	17.8	6.99	5.58	NE	Moderate	Overcast	Low	Ebb	No	None	None

Table 19: Discharge Monitoring

Appendix III - Water quality Monitoring in reference to Resource Consent WGN120142 [33408] - Condition 18a

Date	NZDT	Site ID	Temp	pH	DO mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible surface debris
03/03/2026	16:55:00	Down Stream Bell Rd Bridge	14.4	6.46	9.48	S	Mod	overcast	High	Flood	Yes	No	No
03/03/2026	15:13:00	Effluent Dis To Waiwhetu Stream	19.9	7.11	6.08	S	Mod	overcast	High	Flood	Yes	No	No
03/03/2026	16:15:00	Waiwhetu Pa	14.1	6.45	10.43	S	Mod	overcast	High	Flood	Yes	Some	No
03/03/2026	16:32:00	Upstream of Port Rd Bridge	13.3	6.27	10.94	S	Mod	overcast	High	Flood	Yes	No	No
03/03/2026	16:22:00	Waiwhetu River Mouth 50m Up	13.8	6.41	11	S	Mod	overcast	High	Flood	Yes	No	No
03/03/2026	16:41:00	Waiwhetu River Mouth 50m Down	13.6	6.41	11.03	S	Mod	overcast	High	Flood	Yes	No	No
04/03/2026	10:06:00	Down Stream Bell Rd Bridge	14.2	6.37	7.57	S	Light	Cloudy	Mid	Ebb	Yes	No	No
04/03/2026	07:32:00	Effluent Dis To Waiwhetu Stream	18.7	6.81	4.8	S	Light	Cloudy	High	Ebb	Yes	No	No
04/03/2026	10:15:00	Waiwhetu Pa	16.1	6.85	8.29	S	Light	Cloudy	Mid	Ebb	Yes	No	No
04/03/2026	10:35:00	Upstream of Port Rd Bridge	16.6	6.92	8.29	S	Light	Cloudy	Low	Ebb	Yes	Some	No
04/03/2026	10:26:00	Waiwhetu River Mouth 50m Up	14	6.99	10.33	S	Light	Cloudy	Low	Ebb	Yes	No	No
04/03/2026	10:58:00	Waiwhetu River Mouth 50m Down	15.7	7.04	9.68	S	Light	Cloudy	LoW	Ebb	Yes	No	No
05/03/2026	11:08:00	Down Stream Bell Rd Bridge	16.6	6.95	7.1	N	Light	Overcast	Low	Ebb	No	No	No
05/03/2026	10:55:00	Effluent Dis To Waiwhetu Stream	19.5	7.06	4.73	N	Light	Overcast	Low	Ebb	No	No	No
05/03/2026	11:20:00	Waiwhetu Pa	17	6.86	7.62	N	Light	Overcast	Low	Ebb	No	No	No
05/03/2026	11:43:00	Upstream of Port Rd Bridge	17	7.05	8.17	N	Light	Overcast	Low	Ebb	No	Some	No
05/03/2026	11:35:00	Waiwhetu River Mouth 50m Up	15.9	7.38	10.17	N	Light	Overcast	Low	Ebb	No	No	No
05/03/2026	12:00:00	Waiwhetu River Mouth 50m Down	17.1	7.78	12.46	N	Light	Overcast	Low	Ebb	No	No	No
06/03/2026	12:57:00	Down Stream Bell Rd Bridge	16	7.19	8.49	N	Strong	Overcast	Low	Ebb	No	No	No
06/03/2026	12:30:00	Effluent Dis To Waiwhetu Stream	19.4	7.22	4.5	N	Strong	Overcast	Low	Ebb	No	No	No
06/03/2026	12:44:00	Waiwhetu Pa	16.7	7.3	8.12	N	Strong	Overcast	Low	Ebb	No	No	No
06/03/2026	09:49:00	Upstream of Port Rd Bridge	17.5	7.37	8.17	N	Strong	Overcast	Mid	Ebb	No	Some	No
06/03/2026	09:40:00	Waiwhetu River Mouth 50m Up	16.1	7.63	9.69	N	Strong	Overcast	Mid	Ebb	No	No	No
06/03/2026	09:54:00	Waiwhetu River Mouth 50m Down	16.5	7.74	10.5	N	Strong	Overcast	Mid	Ebb	No	No	No

Date	NZDT	Site ID	Temp	pH	DO mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible surface debris
07/03/2026	07:41:00	Down Stream Bell Rd Bridge	16.5	7.19	7.65	N	Light	Cloudy	High	Flood	No	No	No
07/03/2026	06:56:00	Effluent Dis To Waiwhetu Stream	19.4	7.15	4	N	Light	Cloudy	High	Flood	No	No	No
07/03/2026	07:05:00	Waiwhetu Pa	15.6	7.34	9.89	N	Light	Cloudy	High	Flood	No	No	No
07/03/2026	07:13:00	Upstream of Port Rd Bridge	16.1	7.37	9.72	N	Light	Cloudy	High	Flood	No	No	No
07/03/2026	07:19:00	Waiwhetu River Mouth 50m Up	15.7	7.31	9.49	N	Light	Cloudy	High	Flood	No	No	No
07/03/2026	07:24:00	Waiwhetu River Mouth 50m Down	15.7	7.48	9.57	N	Light	Cloudy	High	Flood	No	No	No
08/03/2026	07:08:00	Down Stream Bell Rd Bridge	18.4	6.9	6.83	NW	Light	Overcast	High	Flood	Yes	No	No
08/03/2026	07:16:00	Effluent Dis To Waiwhetu Stream	19.6	7.24	3.76	NW	Light	Overcast	High	Flood	Yes	No	No
08/03/2026	07:26:00	Waiwhetu Pa	17.9	7.4	8.14	NW	Light	Overcast	High	Flood	Yes	No	No
08/03/2026	07:34:00	Upstream of Port Rd Bridge	18.3	7.35	8.93	NW	Light	Overcast	High	Flood	Yes	No	No
08/03/2026	07:42:00	Waiwhetu River Mouth 50m Up	17	7.79	9.4	NW	Light	Overcast	High	Flood	Yes	No	No
08/03/2026	07:48:00	Waiwhetu River Mouth 50m Down	17	7.89	9.86	NW	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	07:53:00	Down Stream Bell Rd Bridge	16.8	6.94	6.57	N	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	06:58:00	Effluent Dis To Waiwhetu Stream	19.7	7.2	3.21	N	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	07:12:00	Waiwhetu Pa	17.9	7.28	8.48	N	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	07:21:00	Upstream of Port Rd Bridge	16.6	7.35	9.38	N	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	07:44:00	Waiwhetu River Mouth 50m Up	16.5	7.43	9.5	N	Light	Overcast	High	Flood	Yes	No	No
09/03/2026	07:29:00	Waiwhetu River Mouth 50m Down	16.4	7.43	9.68	N	Light	Overcast	High	Flood	Yes	No	No
10/03/2026	07:48:00	Down Stream Bell Rd Bridge	14.5	7.03	6.33	S	Light	Cloudy	Low	Flood	Yes	No	No
10/03/2026	06:51:00	Effluent Dis To Waiwhetu Stream	19	7.14	2.62	S	Light	Cloudy	Low	Flood	Yes	No	No
10/03/2026	08:04:00	Waiwhetu Pa	16.1	7.09	6.15	S	Light	Cloudy	Low	Flood	Yes	No	No
10/03/2026	08:15:00	Upstream of Port Rd Bridge	14.4	7.43	9.88	S	Light	Cloudy	Low	Flood	Yes	No	No
10/03/2026	08:25:00	Waiwhetu River Mouth 50m Up	14	7.37	10.16	S	Light	Cloudy	Low	Flood	Yes	No	No
10/03/2026	08:40:00	Waiwhetu River Mouth 50m Down	14.3	7.48	10.57	S	Light	Cloudy	Low	Flood	Yes	No	No
11/03/2026	06:56:00	Down Stream Bell Rd Bridge	13	7.15	6.65	N	Light	Cloudy	Low	Flood	No	No	No
11/03/2026	07:58	Effluent Dis To Waiwhetu Stream	18.6	7.121	2.55	N	Light	Cloudy	Low	Flood	No	No	No
11/03/2026	07:58	Waiwhetu Pa	13.6	7.02	7.15	N	Light	Cloudy	Low	Flood	No	No	No
11/03/2026	07:12:00	Upstream of Port Rd Bridge	16.5	7.08	6.15	N	Light	Cloudy	Low	Flood	No	No	No
11/03/2026	07:23	Waiwhetu River Mouth 50m Up	13.2	7.23	8.24	N	Light	Cloudy	Low	Flood	No	No	No
11/03/2026	07:32:00	Waiwhetu River Mouth 50m Down	13.5	7.23	9.32	N	Light	Cloudy	Low	Flood	No	No	No
12/03/2026	08:13:00	Down Stream Bell Rd Bridge	14	7.21	6.1	N	Light	Fine	Low	Flood	No	No	No
12/03/2026	07:20:00	Effluent Dis To Waiwhetu Stream	18.8	7.09	2.37	N	Light	Fine	Low	Flood	No	No	No
12/03/2026	07:34:00	Waiwhetu Pa	15.1	6.92	6.91	N	Light	Fine	Low	Flood	No	No	No

Date	NZDT	Site ID	Temp	pH	DO mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible surface debris
12/03/2026	07:45:00	Upstream of Port Rd Bridge	16.9	7.09	6.55	N	Light	Fine	Low	Flood	No	No	No
12/03/2026	07:54:00	Waiwhetu River Mouth 50m Up	13.7	7.26	7.08	N	Light	Fine	Low	Flood	No	No	No
12/03/2026	08:00:00	Waiwhetu River Mouth 50m Down	13.5	7.24	7.94	N	Light	Fine	Low	Flood	No	No	No
13/03/2026	08:30:00	Down Stream Bell Rd Bridge	17.2	7.15	6.57	N	Light	Overcast	Low	Flood	Yes	No	No
13/03/2026	07:21:00	Effluent Dis To Waiwhetu Stream	19.8	7.16	2.75	N	Light	Overcast	Low	Flood	Yes	No	No
13/03/2026	07:32:00	Waiwhetu Pa	17.4	6.83	6.3	N	Light	Overcast	Low	Flood	Yes	No	No
13/03/2026	07:47:00	Upstream of Port Rd Bridge	18.4	7.09	6.39	N	Light	Overcast	Low	Flood	Yes	No	No
13/03/2026	08:09:00	Waiwhetu River Mouth 50m Up	16.6	7.21	7.48	N	Light	Overcast	Low	Flood	Yes	No	No
13/03/2026	08:16:00	Waiwhetu River Mouth 50m Down	17.5	7.21	8.21	N	Light	Overcast	Low	Flood	Yes	No	No
14/03/2026	07:54:00	Down Stream Bell Rd Bridge	17.9	6.9	4.74	SW	Light	Overcast	Low	Ebb	Yes	No	No
14/03/2026	07:08:00	Effluent Dis To Waiwhetu Stream	19.7	7.1	3.03	SW	Light	Rain	Low	Ebb	Yes	No	No
14/03/2026	07:15:00	Waiwhetu Pa	18	6.91	5.05	SW	Light	Rain	Low	Ebb	Yes	No	No
14/03/2026	07:26:00	Upstream of Port Rd Bridge	18.3	6.98	5.22	SW	Light	Overcast	Low	Ebb	Yes	No	No
14/03/2026	07:33:00	Waiwhetu River Mouth 50m Up	17.9	7.19	8.81	SW	Light	Overcast	Low	Ebb	Yes	No	No
14/03/2026	07:45:00	Waiwhetu River Mouth 50m Down	16.6	7.26	9.56	SW	Light	Overcast	Low	Ebb	Yes	No	No
15/03/2026	08:05:00	Down Stream Bell Rd Bridge	15.7	6.63	5.59	None	None	Clear	Low	Ebb	Yes	No	No
15/03/2026	09:01:00	Effluent Dis To Waiwhetu Stream	19.1	7.27	3.39	None	None	Clear	Low	Flood	Yes	No	No
15/03/2026	08:27:00	Waiwhetu Pa	15.6	6.75	6.47	None	None	Clear	Low	Ebb	Yes	No	No
15/03/2026	08:34:00	Upstream of Port Rd Bridge	17.2	6.95	4.59	None	None	Clear	Low	Ebb	Yes	Yes	Yes
15/03/2026	08:41:00	Waiwhetu River Mouth 50m Up	14.6	7.26	9.21	None	None	Clear	Low	Flood	Yes	No	No
15/03/2026	08:52:00	Waiwhetu River Mouth 50m Down	16.3	7.05	6.84	None	None	Clear	Low	Flood	Yes	Yes	No
16/03/2026	09:20:00	Down Stream Bell Rd Bridge	16.1	7.11	6.59	NW	Mod	Cloudy	Low	Ebb	No	No	No
16/03/2026	08:12:00	Effluent Dis To Waiwhetu Stream	19.4	7.07	3.08	NW	Mod	Cloudy	Low	Ebb	No	No	No
16/03/2026	08:24:00	Waiwhetu Pa	16.4	6.81	5.96	NW	Mod	Cloudy	Low	Ebb	No	No	No
16/03/2026	08:37:00	Upstream of Port Rd Bridge	17.4	6.97	5.95	NW	Mod	Cloudy	Low	Ebb	No	No	No
16/03/2026	08:55:00	Waiwhetu River Mouth 50m Up	15.6	6.82	10.21	NW	Mod	Cloudy	Low	Ebb	No	No	No
16/03/2026	09:07:00	Waiwhetu River Mouth 50m Down	16.7	7.33	9.54	NW	Mod	Cloudy	Low	Ebb	No	No	No
17/03/2026	08:20:00	Down Stream Bell Rd Bridge	15.8	6.58	5.6	N	Light	Clear	Low	Ebb	No	No	No
17/03/2026	07:05:00	Effluent Dis To Waiwhetu Stream	19.5	7.03	3.05	N	Light	Clear	Low	Ebb	No	No	No
17/03/2026	08:32:00	Waiwhetu Pa	16.3	6.82	6.15	N	Light	Clear	Low	Ebb	No	No	No
17/03/2026	08:40:00	Upstream of Port Rd Bridge	17.7	6.96	5.84	N	Light	Clear	Low	Ebb	No	No	No
17/03/2026	09:00:00	Waiwhetu River Mouth 50m Up	15.4	7.23	9.74	N	Light	Clear	Low	Ebb	No	No	No
17/03/2026	09:10:00	Waiwhetu River Mouth 50m Down	16.9	7.29	8.89	N	Light	Clear	Low	Ebb	No	No	No

Date	NZDT	Site ID	Temp	pH	DO mg/L	Wind Direction	Wind Strength	Weather	Tidal Height	Tide Ebb/Flow	Rain in last 24 hours	Discoloration	Visible surface debris
18/03/2026	09:34:00	Down Stream Bell Rd Bridge	17.2	5.84	6.29	N	Mod	Cloudy	Low	Ebb	Yes	No	No
18/03/2026	07:18:00	Effluent Dis To Waiwhetu Stream	19.5	7.17	5.87	N	Mod	Cloudy	Mid	Ebb	Yes	No	No
18/03/2026	07:30:00	Waiwhetu Pa	17	6.97	6.94	N	Mod	Cloudy	Mid	Ebb	Yes	No	No
18/03/2026	07:40:00	Upstream of Port Rd Bridge	17	6.95	6.89	N	Mod	Cloudy	Mid	Ebb	Yes	No	No
18/03/2026	08:01:00	Waiwhetu River Mouth 50m Up	16.5	7.36	8.87	N	Mod	Cloudy	Low	Ebb	Yes	No	No
18/03/2026	08:10:00	Waiwhetu River Mouth 50m Down	17	7.35	7.66	N	Mod	Cloudy	Low	Ebb	Yes	No	No
19/03/2026	09:38:00	Down Stream Bell Rd Bridge	16.3	6.84	6.56	S	Light	Clear	Low	Ebb	No	No	No
19/03/2026	08:33:00	Effluent Dis To Waiwhetu Stream	19	7.17	5.78	S	Light	Clear	Mid	Ebb	No	No	No
19/03/2026	08:45:00	Waiwhetu Pa	15.8	7.26	8.86	S	Light	Clear	Mid	Ebb	No	No	No
19/03/2026	08:55:00	Upstream of Port Rd Bridge	15.5	7.34	8.89	S	Light	Clear	Mid	Ebb	No	No	No
19/03/2026	08:05:00	Waiwhetu River Mouth 50m Up	15.2	7.48	10.04	S	Light	Clear	Mid	Ebb	No	No	No
19/03/2026	08:20:00	Waiwhetu River Mouth 50m Down	15.1	7.31	10.58	S	Light	Clear	Mid	Ebb	No	No	No

Table 19: Water quality Monitoring in reference to Resource Consent WGN120142 [3340

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