

Receiving environment sampling results

The table below provides results of sampling in the area receiving the discharge from the Akaroa wastewater treatment plant. Surface water samples are taken from three sites: 400m north, 400m south of the outfall and at the shoreline nearest the outfall. These samples are then analysed for the faecal coliforms and enterococci.

Conditions 10-13					Dec-Feb: Weekly	Dec-Feb: Weekly, Mar-Nov: Monthly				
Sample date	Site	Sample time	Time between WW and rec. env. sample	Lab sample no.	Enterococci (MPN/100ml)	Faecal coliforms (CFU/100ml)	Median	< 14/100ml?	% > 43 CFU/100ml of total samples	< 10%?
6/01/2021	Shoreline nearest outfall	7:15	0:20	2018240	20	140	34	NO	31%	NO
	400m S on Shoreline	7:20	0:15	2018239	10	1	1	YES	23%	NO
	400m N on shoreline	7:10	0:25	2018238	10	3	3	YES	23%	NO
13/01/2021	Shoreline nearest outfall	7:25	0:20	2018386	31	72	58	NO	38%	NO
	400m S on Shoreline	7:30	0:15	2018385	10	15	3	YES	15%	NO
	400m N on shoreline	7:20	0:25	2018384	41	79	8	YES	31%	NO
20/01/2021	Shoreline nearest outfall	7:35	0:10	2018418	110	44	44	NO	46%	NO
	400m S on Shoreline	7:40	0:05	2018417	73	33	3	YES	15%	NO
	400m N on shoreline	7:30	0:15	2018416	62	33	33	NO	31%	NO
27/01/2021	Shoreline nearest outfall	7:25	0:15	2018427	10	1	44	NO	38%	NO
	400m S on Shoreline	7:30	0:10	2018429	10	1	1	YES	8%	YES
	400m N on shoreline	7:20	0:20	2018428	10	3	33	NO	23%	NO
3/02/2021	Shoreline nearest outfall	7:10	0:20	2100141	10	3	44	NO	38%	NO
	400m S on Shoreline	7:15	0:15	2100135	10	1	1	YES	8%	YES
	400m N on shoreline	7:05	0:25	2100134	10	3	3	YES	23%	NO
10/02/2021	Shoreline nearest outfall	8:20	0:00	2100147	10	1	3	YES	38%	NO
	400m S on Shoreline	8:25	0:05	2100146	10	1	1	YES	8%	YES
	400m N on shoreline	8:15	0:05	2100145	10	3	3	YES	23%	NO
17/02/2021	Shoreline nearest outfall	10:40	0:10	2100152	10	1	1	YES	31%	NO
	400m S on Shoreline	10:45	0:15	2100150	10	1	1	YES	0%	YES
	400m N on shoreline	10:50	0:20	2100149	10	1	3	YES	15%	NO
24/02/2021	Shoreline nearest outfall	8:25	0:10	2100157	10	1	1	YES	31%	NO
	400m S on Shoreline	8:30	0:15	2100155	10	1	1	YES	0%	YES
	400m N on shoreline	8:20	0:05	2100154	10	1	3	YES	15%	NO
4/03/2021	Shoreline nearest outfall	7:20	0:15	2102324	10	1	1	YES	0%	YES
	400m S on Shoreline	7:15	0:10	2102323	10	1	1	YES	15%	NO
	400m N on shoreline	7:25	0:20	2102322	10	1	1	YES	0%	YES
9/04/2021	Shoreline nearest outfall	10:20	0:15	2105162	10	1	1	YES	0%	YES
	400m S on Shoreline	10:25	0:05	2105161	10	1	1	YES	15%	NO
	400m N on shoreline	10:15	0:20	2105160	10	1	1	YES	0%	YES
6/05/2021	Shoreline nearest outfall	9:25	0:15	2107254	10	1	1	YES	0%	YES
	400m S on Shoreline	9:30	0:20	2107253	10	2	1	YES	0%	YES
	400m N on shoreline	9:20	0:10	2107252	10	1	1	YES	0%	YES
24/06/2021	Shoreline nearest outfall	8:30	0:15	2109269	10	10	1	YES	0%	YES
	400m S on Shoreline	8:35	0:20	2109268	10	10	1	YES	0%	YES
	400m N on shoreline	8:25	0:10	2109267	10	10	1	YES	0%	YES

Legend

BLUE < Value
 NR Not required by consent