

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%?
9/12/2020	Shoreline nearest outfall	7:40	0:10	2016829	10	6	2	YES	15%	NO
	400m S on Shoreline	7:45	0:15	2016828	10	1	1	YES	23%	NO
	400m N on shoreline	7:35	0:05	2016827	10	3	3	YES	15%	NO
16/12/2020	Shoreline nearest outfall	9:40	5:10	2016840	10	58	6	YES	23%	NO
	400m S on Shoreline	9:45	5:05	2016839	10	3	2	YES	23%	NO
	400m N on shoreline	4:35	0:15	2016838	10	8	8	YES	15%	NO
23/12/2020	Shoreline nearest outfall	7:45	0:20	2016845	10	1	2	YES	15%	NO
	400m S on Shoreline	7:50	0:25	2016844	10	3	2	YES	23%	NO
	400m N on shoreline	7:35	0:10	2016843	10	2	3	YES	15%	NO
30/12/2020	Shoreline nearest outfall	7:35	0:05	2016850	10	34	6	YES	23%	NO
	400m S on Shoreline	7:40	0:00	2016849	10	1	2	YES	23%	NO
	400m N on shoreline	7:30	0:10	2016848	10	46	3	YES	23%	NO
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	NR	1	1	YES	31%	NO
	400m S on Shoreline	7:15	0:10	2102323	NR	1	1	YES	0%	YES
	400m N on shoreline	7:25	0:20	2102322	NR	1	1	YES	15%	NO
9/04/2021	Shoreline nearest outfall	10:20	0:15	2105162	NR	1	1	YES	23%	NO
	400m S on Shoreline	10:25	0:05	2105161	NR	1	1	YES	0%	YES
	400m N on shoreline	10:15	0:20	2105160	NR	1	1	YES	15%	NO
6/05/2021	Shoreline nearest outfall	9:25	0:15	2107254	NR	1	1	YES	23%	NO
	400m S on Shoreline	9:30	0:20	2107253	NR	2	1	YES	0%	YES
	400m N on shoreline	9:20	0:10	2107252	NR	1	1	YES	15%	NO
24/06/2021	Shoreline nearest outfall	8:30	0:15	2109269	NR	10	1	YES	23%	NO
	400m S on Shoreline	8:35	0:20	2109268	NR	10	1	YES	0%	YES
	400m N on shoreline	8:25	0:10	2109267	NR	10	1	YES	15%	NO
14/07/2021	Shoreline nearest outfall	9:05	0:15	2112159	NR	1	1	YES	23%	NO
	400m S on Shoreline	9:10	0:10	2112158	NR	1	1	YES	0%	YES
	400m N on shoreline	9:00	0:20	2112157	NR	1	1	YES	8%	YES
26/08/2021	Shoreline nearest outfall	9:35	0:20	2113298	NR	1	1	YES	15%	NO
	400m S on Shoreline	9:30	0:15	2113297	NR	1	1	YES	0%	YES
	400m N on shoreline	9:25	0:10	2113296	NR	1	1	YES	0%	YES
15/09/2021	Shoreline nearest outfall	9:35	0:10	2116764	NR	1	1	YES	8%	YES
	400m S on Shoreline	9:40	0:05	2116762	NR	1	1	YES	0%	YES
	400m N on shoreline	9:30	0:15	2116761	NR	1	1	YES	0%	YES
13/10/2021	Shoreline nearest outfall	9:35	0:10	2118440	NR	20	1	YES	0%	YES
	400m S on Shoreline	9:40	0:05	2118439	NR	8	1	YES	0%	YES
	400m N on shoreline	9:30	0:15	2118438	NR	400	1	YES	8%	YES
26/11/2021	Shoreline nearest outfall	13:15	0:15	2121379	NR	1	1	YES	0%	YES
	400m S on Shoreline	13:20	0:20	2121378	NR	1	1	YES	0%	YES
	400m N on shoreline	13:10	0:10	2121377	NR	1	1	YES	8%	YES
3/12/2021	Shoreline nearest outfall	8:30	0:10	2122619	75	1	1	YES	0%	YES
	400m S on Shoreline	8:35	0:05	2122618	10	7	1	YES	0%	YES
	400m N on shoreline	8:40	0:15	2122617	10	1	1	YES	8%	YES
8/12/2021	Shoreline nearest outfall	17:28	0:15	2122642	10	4	1	YES	0%	YES
	400m S on Shoreline	17:35	0:20	2122641	10	1	1	YES	0%	YES
	400m N on shoreline	17:30	0:10	2122640	10	1	1	YES	8%	YES
15/12/2021	Shoreline nearest outfall	7:56	0:15	2122642	10	4	4	YES	0%	YES
	400m S on Shoreline	8:08	0:20	2122641	10	1	1	YES	0%	YES
	400m N on shoreline	8:14	0:10	2122640	10	1	1	YES	8%	YES
22/12/2021	Shoreline nearest outfall	11:42	0:07	2122670	10	2	2	YES	0%	YES
	400m S on Shoreline	11:37	0:02	2122669	10	1	1	YES	0%	YES
	400m N on shoreline	11:49	0:14	2122668	10	2	1	YES	8%	YES
30/12/2021	Shoreline nearest outfall	15:36	0:04	2125254	63	122	4	YES	8%	YES
	400m S on Shoreline	15:38	0:02	2125253	10	2	1	YES	0%	YES
	400m N on shoreline	15:02	0:38	2125252	10	6	1	YES	8%	YES

Legend
 BLUE < Value
 NR Not required by consent