

## 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%?
7/05/2020	Shoreline nearest outfall	10:45	0:15	2003868	NR	31	1	YES	0%	YES
	400m S on Shoreline	10:40	0:10	2003867	NR	78	1	YES	15%	NO
	400m N on shoreline	10:50	0:20	2003866	NR	30	1	YES	0%	YES
9/06/2020	Shoreline nearest outfall	8:30	0:20	2007475	NR	29	2	YES	0%	YES
	400m S on Shoreline	8:35	0:25	2007473	NR	30	5	YES	15%	NO
	400m N on shoreline	8:25	0:15	2007472	NR	22	1	YES	0%	YES
9/07/2020	Shoreline nearest outfall	9:56	0:11	2009326	NR	70	29	NO	8%	YES
	400m S on Shoreline	9:51	0:06	2009325	NR	53	30	NO	23%	NO
	400m N on shoreline	10:01	0:16	2009324	NR	76	22	NO	8%	YES
4/08/2020	Shoreline nearest outfall	9:35	0:20	2009331	NR	1	29	NO	8%	YES
	400m S on Shoreline	9:30	0:15	2009330	NR	1	30	NO	23%	NO
	400m N on shoreline	9:25	0:10	2009329	NR	2	22	NO	8%	YES
3/09/2020	Shoreline nearest outfall	9:15	0:10	2011100	NR	1	29	NO	8%	YES
	400m S on Shoreline	9:20	0:05	2011099	NR	1	30	NO	23%	NO
	400m N on shoreline	9:10	0:15	2011098	NR	1	22	NO	8%	YES
6/10/2020	Shoreline nearest outfall	9:30	0:04	2012377	10	230	29	NO	15%	NO
	400m S on Shoreline	9:40	0:14	2011099	10	260	30	NO	31%	NO
	400m N on shoreline	9:20	0:06	2011098	20	220	22	NO	15%	NO
5/11/2020	Shoreline nearest outfall	8:00	0:15	2013505	NR	2	2	YES	15%	NO
	400m S on Shoreline	7:55	0:10	2013503	NR	1	1	YES	31%	NO
	400m N on shoreline	8:05	0:20	2013502	NR	43	43	NO	15%	NO
1/12/2020	Shoreline nearest outfall	8:30	0:10	2016822	10	2	2	YES	15%	NO
	400m S on Shoreline	8:35	0:15	2016823	10	2	1	YES	31%	NO
	400m N on shoreline	8:25	0:05	2016824	10	1	2	YES	15%	NO
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

## Legend

BLUE

&lt; Value

NR

Not required by consent