

Date	Time	Water Temperature °C	Salinity ppt	Total Ammoniacal-N mg/L	Nitrate + Nitrite Nitrogen mg/L	Total Nitrogen mg/L	Dissolved Reactive Phosphorus mg/L P	Total Phosphorus mg/L	Chlorophyll a (phytoplankton) g/m3	Chlorophyll a (plankton) ug/L	Dissolved Oxygen Saturation %	Dissolved Oxygen mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids g/m3	Turbidity NTU	pH	Enterococci MPN / 100m	Faecal Coliforms CFU/100mL	
Source: Timaru Harbour Port Entrance Site No: SQ21008 Easting 1461741 Northing 5083721																			
14-Jul-04	1615	8.6	26	0.023	0.033	0.33	0.013	0.026		2.9	100.1	9.99			2.6	8.1			
12-Aug-04	1425	5.1	23	0.049	0.039	0.12	0.017	0.033			79.6	8.03			7	7.9			
4-Oct-04	1355	6.2	22	0.011	<0.005	0.19	0.011	0.019			80.1	7.98			2.7	8.1			
17-Nov-04	1315	13.8	24.9	0.007	0.006	0.23	0.008	<0.008		2.4	77.5	7.69			1.8	8			
9-Dec-04	1415	13.9	33.3	0.051	0.02	0.27	0.012	0.038			81.5	8.09			4.5	8.1			
20-Jan-05	1400	16.6	20.1	0.01	0.005	0.2	0.003	0.023		1.8	88.1	8.75			1.3	8.2			
28-Feb-05	1120	16.3	43.6	0.009	0.007	0.18	0.014	0.044			84.1	8.87			2	7.9			
21-Mar-05	1340	15.7	34.5	0.054	0.047	0.37	0.019	0.047			86.8	8.77			7.3	7.9			
2-May-05	830	12.6	34	0.024	0.034	0.2	0.017	0.041		2.1	82.7	8.19			3.8	7.9			
26-May-05	1540	12.4	34.2	0.051	0.056	0.16	0.027	0.041			82.6	8.22			2.5	8			
21-Jun-05	1215	9.1	33	0.014	0.087	0.21	0.023	0.032			80.4	8.06			2.4	8			
27-Sep-07	1210	10.7	31.9	0.036	0.005	<0.08	0.004	0.016		0.5			9.1		4.5	8			
17-Dec-07	1050	17.2	32.4	0.011	0.028	0.29	0.004	0.015		2.8			3.3		1.7	8.1			
26-Mar-08	1149	16.9	33	0.044	0.013	0.11	0.007	0.03		4.8			6		2.6	8			
25-Jun-08	110	8.6	32.7	0.094	0.085	0.15	0.024	0.036		1.5			14		4.3	7.8			
24-Sep-08	1024	10.6	32.1	0.072	0.01	0.1	0.002	0.023		1.8			10		6.1	8.1			
18-Dec-08	954	16	31.1	0.013	0.012	0.14	<0.002	<0.002		2			28		2.1	8			
25-Mar-09		15.1	32.8	0.05	0.022	0.4	0.007	0.03		12.3			13		6.3	8.1			
22-Jun-09	1107	7.6	32.3	<0.005	0.1	0.23	0.011	0.028		1.1			11		3.4	8			
21-Sep-09	1048	10.6	34.6	0.02	0.025	0.23	0.012	0.029		5			29		4.9	7.9			
7-Dec-09	955	14.7	33.5	0.012	0.012	0.33	0.013	0.031		4.2			11		2.5	7.9			
8-Mar-10	1247	18.3	32.9	0.027	0.01	0.27	0.009	0.032		2.2			19		2.6	8			
29-Jun-10	1030	8.2	31.8	0.013	0.12	0.26	0.009	0.011		0.6			14		1.9	7.9			
13-Sep-10	1058	11.6	31.7	0.01	0.067	0.2	0.013	0.013		0.6			9.3		3.4	7.9			
20-Dec-10	1025	16.5	33.1	0.008	<0.005	0.12	<0.002	0.029		1.8			8.5		1.8	8.1			
29-Mar-11	951	15.4	33.9	0.04	0.018	0.35	0.018	0.038					5		3.4	8.1			
28-Jun-11	1018	7.6	33.8	0.035	0.12	0.34	0.027	0.045	<0.003				18		5.9	7.9			
4-Jul-11	1845		32.7	0.039	0.14	0.29	0.018	0.041	<0.003				5.2		3.1	8			
14-Sep-11	1143	6	33.1	0.015	<0.0020	0.12	<0.0020	0.033	<0.003				33		2.6	8.1			
9-Dec-11	1942		31.9	0.011	<0.005	0.17	0.003	0.039		1.3			27		2	8.1			
12-Dec-11	1402	16	30.4	0.016	0.012	0.19	0.007	0.04		1.8			15		5.3	8			
27-Mar-12	1109	15	33.5	0.046	0.036	0.34	0.014	0.05		2			48		3.1	8			
29-Jun-12	1018	8	30.8	0.007	0.087	0.26	0.019	0.047	<0.003				22		11	7.9			
27-Sep-12	1100	10.93	33.7	0.029	0.042	0.55	<0.001	0.31		1.8			8.9		1.6	8			
10-Dec-12	1042	16.3	33.1	< 0.010	0.003	0.24	< 0.004	0.02	0.0008				3		1.72	7.9			
5-Apr-13	1235	15.3	33.7	< 0.010	< 0.002	< 0.3	< 0.004	0.032	0.0018				13		7.3	8.1			
27-Jun-13	1040	9	32.3	< 0.010	0.181	0.33	0.024	0.034	0.0004				5		1.81	8.1			
3-Sep-13	1241	11.1	34.2	< 0.005	0.005	0.31	< 0.002	0.02	0.0016				7		3.5				
20-Dec-13	940	17.4	33.3	< 0.005	< 0.002	0.21	< 0.002	0.012	0.0016				< 3		1.81				

26-Mar-14	905	14.4	32	0.008	0.06	0.43	0.0078	0.038	0.0025		17	13.6	8
13-Jun-14	1052			0.063	0.091	0.33	0.022	0.027	0.0007		4	1.94	8
23-Sep-14	941	10.6	33.1	0.005	< 0.002	0.103	< 0.002	0.007	< 0.0002		8	5.4	8.2
8-Dec-14	952	14.8	33.3	0.005	0.002	0.2	< 0.0010	0.019	0.0034		4	2.4	8
23-Mar-15	950	14.9	32.7	0.013	0.01	0.167	0.01	0.016	0.0022		10	8.7	8
23-Jun-15	1040	8.2	32.1	0.014	0.093	0.2	0.0148	0.022	0.0004		16	13.2	7.8
21-Sep-15	1048	9.8	32.2	0.018	< 0.002	0.166	0.0091	0.019	0.0006		8	5.4	8.1
7-Dec-15	936	14.9	32.3	0.007	< 0.0010	0.27	< 0.0010	0.012	0.0011		12	5.8	8
9-Mar-16	944	17.1	33.6	0.036	0.0177	0.26	0.0134	0.031	0.0012		15	7.4	8
13-Jun-16	1240	10.1	32.9	0.055	0.086	0.39	0.0169	0.023	0.001		77	8.6	7.9
13-Sep-16	1055	10.4	32.7	0.011	0.0143	0.173	0.002	0.014	0.0028		< 3	2.3	8.1
8-Dec-16	1005		34	0.009	0.0019	0.26	< 0.0010	0.013	0.005		5	2.1	8.2

Source:Ocean - Timaru South Beach Point Site No:SQ35597 Easting 1462038 Northing 5083658

27-Jul-09	1338	7.5	32.7	<0.005	0.097	0.12	0.012	0.031		0.9	106	10.22		8	<2			
24-Aug-09	1154	9.4	33.4	<0.005	0.029	0.19	<0.001	0.026		1.9	107.4	9.76		8.1	<1			
29-Sep-09	1237	10.2	34.3	0.035	0.03	0.15	0.015	0.041		3.9	95.2	8.51		8	3			
28-Oct-09	1225	12.2	34	<0.005	0.006	0.08	<0.001	0.038		1.5	99.8	8.68		8	1			
10-Nov-09	1341	14	34.5	<0.005	0.007	<0.08	<0.001	0.028		1	102.7	8.65		8.1	2			
21-Dec-09	1124	15.1	34.2	<0.005	0.04	0.14	0.004	0.048		2.5	98.2	7.99		8	<1			
25-Jan-10	1317	15.8	33.7	<0.005	<0.005	0.12	<0.001	0.02		0.7	100.4	8.04		8	<1			
17-Feb-10	1225	17.8	34.2	<0.005	0.02	0.35	0.006	0.043		2.9	99.6	7.7		8	1			
24-Mar-10	1112	15.5	34.2	<0.005	0.015	0.09	0.009	0.018		1.7	99.7	8.08		8	<1			
19-Apr-10	1237	14.8	34.2	<0.005	0.02	<0.08	0.007	0.031		2.5	91.8	7.5		8	1			
24-May-10	1137	11.4	32.1	<0.005	0.024	0.12	0.004	0.025		0.8	101	9.8		8	<1			
24-Jun-10	1142	9.1	32.4	<0.005	0.13	0.2	0.013	0.046		0.9	100.7	9.43		7.9	2			
16-Jul-14	1153	9	34.7	0.029	0.092	0.21	0.0179	0.029	0.0006		98.3	9.27	13	< 3	6.4	8	< 10	22
26-Aug-14	1015	9.6	33.5	0.01	0.003	0.161	0.0023	0.013	0.0059		97.7	9.15	11	< 3	6.2	8.1	< 10	< 1
29-Sep-14	1205	11.6	32.23	< 0.005	< 0.002	0.168	< 0.002	0.012	0.0009		97.1	8.61	13	< 3	5.2	8.2	< 10	< 1
28-Oct-14	1023	12.3	33.27	0.007	0.016	0.17	0.0039	0.016	0.0009		103.3	8.86	8	< 3	5.6	8.2	< 10	< 1
26-Nov-14	952	15.4	32.47	0.008	0.044	0.2	0.0084	0.022	0.0012		96	9.57	12	< 3	7.5	8	< 10	1
19-Dec-14	938	16.2	34	0.008	0.004	0.15	0.0022	0.017	0.0012		111.7	8.91	7	< 3	3.5	8.2	< 10	< 1
28-Jan-15	952	17.8	34.14	0.009	0.012	0.19	< 0.0010	0.012	0.001		108.1	8.44	11	< 3	7	8.1	< 10	< 1
26-Feb-15	1218	17.2	34.51	0.019	0.025	0.23	0.004	0.026	0.0014		95.9	7.51	27	3	13.6	8.1	< 10	1
25-Mar-15	1000	15.2	34	0.014	0.004	0.21	0.0057	0.017	0.001		97.7	8.32	7	< 3	4.4	8	< 10	6
28-Apr-15	1142	13.4	34.52	0.037	0.013	0.26	0.0161	0.032	0.0011		101.2	10.34	25	< 3	20	8	< 10	9
22-May-15	1104	11.3	33.58	< 0.005	0.036	0.23	0.0068	0.023	0.002		101	9.93	14	< 3	5.7	8.1	< 10	3
30-Jun-15	1115	8.6	33.56	< 0.005	0.095	0.26	0.0123	0.041	0.0005		101.4	9.48	58	< 3	33	8.1	< 10	2

Source:Ocean - PATITI POINT Site No:SQ20653 Site Easting 1461904, Northing 5080928

27-Jul-09	1216	7.1	33.77	<0.005	0.062	0.12	0.009	0.028		0.4	111.1	10.74		8	<2
24-Aug-09	1110	9	33.5	<0.005	0.028	0.19	<0.001	0.035		0.9	105.3	9.7		8.1	<1
29-Sep-09	1158	10.4	34.7	0.042	0.025	0.14	0.013	0.036		1.3	104.7	9.34		8	<1
28-Oct-09	1126	12.2	33.8	<0.005	0.014	<0.08	<0.001	0.032		0.7	103.2	8.87		8	<1
10-Nov-09	1155	13.6	33.9	0.008	0.01	<0.08	<0.001	0.029		0.7	101.7	8.49		8	5
21-Dec-09	1252	15.1	34.2	<0.005	0.026	0.11	0.003	0.048		2.1	101.9	8.17		8	3
25-Jan-10	1403	15.8	33.6	<0.005	0.016	0.1	0.004	0.026		0.6	100.4	8.07		7.9	<1
17-Feb-10	1159	17.3	33.9	0.008	0.026	0.39	0.012	0.064		3	99.1	7.75		8	3
24-Mar-10	1143	15.5	34.2	<0.005	0.038	0.11	0.01	0.021		0.7	105.1	8.05		7.9	1
19-Apr-10	1305	15.1	34.2	<0.005	0.022	<0.08	0.008	0.034		1.1	91.2	7.4		7.9	<1
24-May-10	1108	11.4	31.5	<0.005	0.034	0.14	0.008	0.038		0.8	101	9.09		7.9	10
24-Jun-10	1225	9.2	32.1	<0.005	0.13	0.24	0.012	0.061		0.7	100.8	9.4		7.8	5

16-Jul-14	1103	9.1	33.1	0.029	0.089	0.2	0.019	0.041		99	9.33	28	< 3	13.5	8	< 10	< 1
26-Aug-14	930	9.3	32.95	0.018	0.039	0.14	0.007	0.013		98.5	9.32	13	< 3	6.6	8.1	< 10	< 1
29-Sep-14	1115	10.5	32.82	< 0.005	< 0.002	0.157	0.004	0.018		96.7	8.79	20	< 3	7.6	8.2	< 10	< 1
28-Oct-14	933	12.6	33.13	0.017	0.013	0.15	0.0064	0.02		105.6	9.05	36	6	6.7	8.2	< 10	< 1
26-Nov-14	848	14.9	34.1	0.008	0.029	0.18	0.0055	0.027		101.4	8.49	29	< 3	15.8	8	< 10	2
19-Dec-14	1001	17.1	34.05	0.014	0.003	0.13	0.0067	0.018		111.4	8.73	27	< 3	11.6	8	< 10	4
28-Jan-15	923	17.9	34.21	0.008	0.012	0.17	0.0041	0.044		104.2	8.06	49	4	22	8	< 10	< 1
26-Feb-15	1124	17.3	33.44	0.012	0.004	0.21	0.0062	0.05		96.1	7.53	46	< 3	25	8	10	10
25-Mar-15	900	15.1	35.05	0.014	0.004	0.2	0.0059	0.02		98.7	9.88	30	< 3	15	8	< 10	2
28-Apr-15	1049	13.4	34.52	0.035	0.012	0.3	0.0167	0.054		100.8	10.25	66	< 3	40	7.9	< 10	4
22-May-15	1009	10.8	33.44	< 0.005	0.032	0.22	0.0053	0.022		101.9	9.36	34	3	16.9	8	< 10	8
30-Jun-15	1025	8.4	33.41	< 0.005	0.097	0.23	0.0127	0.032		102.5	9.64	40	< 3	23	8.1	< 10	8

Source:Ocean - Tuhawaiki Point Site No:SQ35596 Easting 1461673 Northing 5077446

27-Jul-09	1124	7	33.7	<0.005	0.092	0.12	0.01	0.036		0.4	100.3	10.14			8		<2	
24-Aug-09	1019	8.9	33.5	<0.005	0.017	0.16	0.002	0.022		1.1	104.8	8.97			8.1		<1	
29-Sep-09	1101	10	34.4	0.038	0.026	0.14	0.013	0.049		2.2	102.9	9.21			8		1	
28-Oct-09	1040	11.7	33.7	<0.005	0.024	0.1	<0.001	0.045		2.9	102.7	8.81			8		2	
10-Nov-09	1252	13.5	34	<0.005	0.012	<0.08	<0.001	0.054		0.5	102.9	8.62			8		1	
21-Dec-09	1223	14.4	34.1	<0.005	0.012	0.1	0.003	0.064		2	100.9	8.32			8		130	
25-Jan-10	1506	15.5	33.2	<0.005	<0.005	<0.08	0.002	0.019		0.3	101.4	8.28			8		<1	
17-Feb-10	1401	17.1	33.5	<0.005	0.016	0.37	0.005	0.088		2.2	100.3	7.97			8		28	
24-Mar-10	1241	15.5	34.1	<0.005	0.015	0.14	0.009	0.024		0.8	99.7	8.08			8		10	
19-Apr-10	1358	14.7	34.2	<0.005	0.019	<0.08	0.007	0.041		1.5	92.8	7.5			8		<1	
24-May-10	1015	11.3	31.5	<0.005	0.025	0.18	0.005	0.039		0.6	100.9	9.13			8		<1	
24-Jun-10	1415	9		<0.005	0.14	0.28	0.013	0.088		1.1					7.9		12	
16-Jul-14	1023	8.7	33.3	0.032	0.083	0.191	0.0168	0.04	0.0006		98.3	9.34	34	< 3	19.2	8	< 10	3
26-Aug-14	855	9.3	33.34	0.023	0.016	0.181	0.0073	0.021	0.0021		97.5	9.21	26	< 3	15	8.1	< 10	< 1
29-Sep-14	1030	11.3	33.2	< 0.005	< 0.002	0.105	0.003	0.016	0.0003		94.2	8.23	11	< 3	3.2	8.1	< 10	< 1
28-Oct-14	831	12	33.32	0.013	0.012	0.14	0.005	0.02	< 0.0002		102.7	8.9	16	< 3	8.3	8.2	< 10	< 1
26-Nov-14	805	14	34.12	0.008	0.012	0.13	0.0035	0.02	0.0004		105.3	8.68	18	< 3	6.4	8.1	< 10	< 1
19-Dec-14	1054	16.1	34.09	0.016	0.004	0.13	0.0025	0.009	0.0004		123	9.88	9	< 3	4.4	8.1	< 10	< 1
28-Jan-15	838	17.1	33.58	0.01	0.007	0.16	0.0029	0.014	0.0006		103.5	8.15	12	< 3	6.2	8.1	< 10	6
26-Feb-15	1259	16.7	3.18	0.019	0.012	0.14	0.0103	0.03	0.0018		101.7	9.85	30	< 3	15.2	8.1	30	10
25-Mar-15	820	15	34.2	0.015	0.002	0.177	0.006	0.013	0.0007		100.1	9.04	10	< 3	5.7	8	< 10	3
28-Apr-15	1010	13	33.67	0.027	0.008	0.24	0.0128	0.03	0.0009		100.7	10.38	25	< 3	16.4	8	< 10	40
22-May-15	926	10.6	33.46	< 0.005	0.054	0.23	0.007	0.033	0.001		101.9	9.15	33	< 3	18.9	8	< 10	50
30-Jun-15	948	8.1	33.32	< 0.005	0.097	0.25	0.0105	0.037	0.0009		101.3	9.91	53	< 3	31	8.1	< 10	10

Source:Ocean - 3km Sth of Otaio River Mouth Sth of Springbank Rd, 100m from shore Site No:SQ34749 Easting 1454824 Northing 5062320

18-Nov-04	1015	14..5	33.4	0.027	0.007	0.15	0.004	0.018		0.3					8.1		
18-Nov-04	1015	14	33.4	0.016	0.006	0.19	0.004	0.02		0.5					8.1		
18-Nov-04	1015	14	33.5	0.016	0.007	0.16	0.004	0.018		0.4					8.1		
21-Sep-15	1037	9.4	31.3	< 0.005	0.033	0.15	0.0072	0.014	0.0009			6		4	8.1		
7-Dec-15	928	14.2	31.9	0.006	0.0024	0.26	< 0.0010	0.011	0.0011			< 3		1.57	8.1		
9-Mar-16	1054	15.9	32.1	0.008	< 0.0010	0.114	0.0038	0.013	0.0012			< 3		1.96	8.1		
13-Jun-16	1045	9.9	32.6	0.013	0.086	0.196	0.0162	0.018	0.0005			8		6.5	8		
13-Sep-16	1050	10.1	28.7	0.013	0.051	0.139	0.0075	0.009	0.0007			< 3		2.4	8.1		
8-Dec-16	955		33	0.012	< 0.0010	0.153	0.0028	0.008	0.0023			5		2.1	8.1		

Source:Canterbury Bight 200m offshore, At least 2km Nth of Waitaki River Site No:SQ35198 Easting 1454565 Northing 5024625

27-Sep-07	1238	12	31.8	0.027	0.015	0.17	0.003	0.054		1.6		50		22	8		
17-Dec-07	1023	15.9	28.7	0.008	0.026	0.13	0.006	0.029		4		18		8	8.1		

26-Mar-08	1213	16.2	14.9	0.046	0.027	0.17	0.004	0.027		5	20	10	6.9
25-Jun-08	1034	8.1	23.7	0.031	0.061	0.1	0.012	0.023		0.7	22	5.2	8.2
24-Sep-08	1000	10.7	31.9	0.072	0.011	0.08	0.003	<0.008		2.4	15	10	8.1
18-Dec-08	927	15.3	31.2	0.019	0.049	0.18	0.002	0.004		3.1	15	2.7	8.1
25-Mar-09	1330	14.3	25.8	0.009	0.027	0.14	<0.002	0.006		2.1	21	7	8.1
22-Jun-09	1042	8.6	33.4	0.009	0.1	0.25	0.009	0.033		1.8	38	14	8
21-Sep-09	1020	10.5	30.8	0.005	0.11	0.27	0.014	0.033		4.2	38	15	7.9
7-Dec-09	931	14.3	22.1	0.01	0.051	0.29	0.008	0.013		0.9	11	2.2	8
8-Mar-10	1225	17.3	27.2	<0.005	0.019	0.26	0.008	0.025		0.9	18	5.9	8
29-Jun-10	1005	7.8	18.3	0.005	0.12	0.21	0.007	<0.005		0.7	18	6.4	7.9
13-Sep-10	1033	11	18.3	0.011	0.069	0.18	0.005	0.014		0.9	22	4.4	7.9
20-Dec-10	1002	16.5	16.4	0.006	0.014	0.26	<0.002	0.038		9.5	59	18	8
29-Mar-11	1015	14.2	34.3	0.028	0.019	0.27	0.009	0.039			17	12	8.1
28-Jun-11	951	7.8	33.7	0.009	0.11	0.23	0.023	0.042	<0.003		75	26	8
4-Jul-11	2205		31.5	0.011	0.13	0.29	0.012	0.044	<0.003		15	7.2	8
14-Sep-11	1209	5.4	29.3	0.025	0.019	0.25	0.003	0.1	<0.003		140	50	8
10-Dec-11	840		21.8	0.014	0.065	0.18	0.004	0.031		0.3	15	7.5	8.1
12-Dec-11	1336	14.2	33.9	0.017	0.029	0.4	0.009	0.089		4.2	150	46	8
27-Mar-12	1037	14.3	26.4	0.016	0.038	0.19	0.012	0.035		0.5	35	9.8	8
29-Jun-12	954	7	26.6	0.01	0.083	0.24	0.014	0.063	<0.003		67	20	7.9
27-Sep-12	1032	11	34.4	<0.005	0.036	<0.08	<0.001	0.026		0.9	17	2.8	8
10-Dec-12	1017	15.4	18.4	< 0.010	0.08	0.22	< 0.004	0.021	< 0.0005		6	4.6	7.9
25-Mar-13	0	15.7	26.7	< 0.010	< 0.002	< 0.3	< 0.004	0.029	< 0.0005		35	1.97	8.1
27-Jun-13	1013	9.6	32.8	< 0.010	0.151	0.29	0.016	0.04	0.0005		36	16.4	8.2
3-Sep-13	1217	10.3	28.9	< 0.005	0.036	0.31	< 0.002	0.02	0.0036		6	4.4	
20-Dec-13	915	16.3	33.2	< 0.005	0.004	0.26	0.0089	0.032	0.0012		22	10.1	
26-Mar-14	839	13.7	18.3	< 0.005	0.033	0.21	0.0018	0.012	0.0012		18	11.2	8
13-Jun-14	1025			< 0.005	0.095	0.22	< 0.0010	0.022	0.0008		19	10.9	8
23-Sep-14	917	9.9	25.7	< 0.005	0.004	0.125	< 0.002	0.017	< 0.0002		13	7.8	8.2
8-Dec-14	924	14.5	23	0.008	0.075	0.175	0.003	0.01	0.0005		9	5.2	8
23-Mar-15	925	14.7	21.7	0.013	0.02	0.115	0.0073	0.005	0.001		10	7.4	8
23-Jun-15	1014	6.7	9.1	0.007	0.065	0.151	0.0092	0.02	0.0006		37	24	7.8
21-Sep-15	1017	8.7	17.5	< 0.005	0.026	0.119	0.0048	0.013	0.0024		9	6.4	8
7-Dec-15	911	15.5	23	< 0.005	0.027	0.191	0.0018	0.005	0.0006		7	4.6	8.1
9-Mar-16	920	16.2	19	< 0.005	0.018	0.112	0.0011	0.013	0.0004		6	3.2	8
13-Jun-16	1025	9.4	27.6	0.012	0.124	0.25	0.015	0.016	0.0007		8	6.2	7.9
13-Sep-16	1025	10.2	29	0.013	0.041	0.145	0.0061	0.014	0.0029		11	7.2	8.1
8-Dec-16	935		28	0.007	< 0.0010	0.144	0.0023	0.009	0.0019		< 5	1.09	8.1

Source: Canterbury Bight 3 km offshore north of Makikhi River Site No: SQ35202 Easting 1457121 Northing 5040494

27-Sep-07	1222	10.1	31.4	0.024	<0.005	<0.08	0.002	0.013		1.7	6	3.1	8.1
17-Dec-07	1035	16.4	32.8	0.01	0.01	0.1	0.004	0.021		0.9	4.5	0.7	8.1
26-Mar-08	1200	18.4	33.5	0.05	<0.005	<0.08	0.006	0.018		3	4	1.3	7.9
25-Jun-08	1049	9.4	33.2	0.056	0.076	0.13	0.018	0.03		0.8	14	5	8.1
24-Sep-08	1012	10.3	32.7	0.078	0.022	<0.08	0.004	0.015		0.9	6.3	5.6	8.1
18-Dec-08	942	15	30.7	0.012	0.009	0.15	<0.002	<0.002		1.3	4.4	1.7	8.1
25-Mar-09		14	33.6	0.013	0.009	0.19	<0.002	0.005		6.1	5.4	3.1	8.1
22-Jun-09	1058	8.5	34.7	<0.005	0.08	0.12	0.007	<0.008		1.7	4	1.7	8
21-Sep-09	1036	10.4	34.2	<0.005	0.014	0.14	0.009	0.015		2.1	4.7	1.3	7.9
7-Dec-09	945	14.4	33.1	<0.005	<0.005	0.26	0.009	0.017		0.9	7.6	1.1	8
8-Mar-10	1237	18	33.2	<0.005	<0.005	0.25	0.002	0.027		0.7	18	1.1	8.1
29-Jun-10	1020	8.7	31.9	<0.005	0.12	0.25	0.011	0.012		0.6	14	1.9	8

13-Sep-10	1043	11.6	33.5	<0.005	0.015	0.16	0.003	0.008		1.9	9.7	1.1	7.9
20-Dec-10	1016	16.5	32.2	0.009	<0.005	0.1	<0.002	0.024		0.8	4.2	1.2	8
29-Mar-11	1000	14.1	33.4	<0.020	0.007	0.2	0.007	0.027			5	3.9	8.2
28-Jun-11	1006	7.3	33.7	<0.0050	0.09	0.19	0.02	0.037	<0.003		9	1.5	8
4-Jul-11	2025		32.4	0.005	0.085	0.22	0.011	0.037	<0.003		5.1	1.6	8
14-Sep-11	1154	5.9	32.5	0.013	0.008	0.14	<0.0020	0.036	<0.003		34	4.6	8
10-Dec-11	705		31.9	0.017	<0.005	0.19	0.004	0.037		0.2	10	1.2	8.1
12-Dec-11	1350	15.6	32.4	0.013	0.008	0.15	0.006	0.037		0.5	15	0.7	8.1
27-Mar-12	1057	14.1	33	0.009	0.02	0.19	0.008	0.035		0.7	25	0.8	8.1
29-Jun-12	1007	8	32.2	0.01	0.086	0.29	0.016	0.052	<0.003		20	6.7	7.9
27-Sep-12	1048	10.8	33.5	0.012	0.008	<0.08	0.007	0.021		0.2	7	0.5	8.1
10-Dec-12	1034	15.5	32.3	< 0.010	< 0.002	0.161	< 0.004	0.017	0.0005		< 3	1.81	8
25-Mar-13	0	17.2	33.7	< 0.010	< 0.002	< 0.3	< 0.004	0.016	0.0005		25	0.36	8.2
27-Jun-13	1029	8.8	32.2	< 0.010	0.158	0.27	0.018	0.023	0.0004		3	1.19	7.3
3-Sep-13	1230	11.3	34.2	< 0.005	0.008	0.187	< 0.002	0.014	0.002		3	1.41	
20-Dec-13	930	15.8	32.8	< 0.005	< 0.002	0.125	< 0.002	0.005	0.0004		< 3	1.04	
26-Mar-14	854	13.8	31	0.007	0.082	0.34	0.0085	0.02	0.0052		6	3.8	8
13-Jun-14	1040			< 0.005	0.05	0.27	< 0.0010	0.023	0.0019		< 7	2.3	8
23-Sep-14	930	10.2	33	0.005	0.004	0.142	< 0.002	0.006	< 0.0002		6	3.5	8.2
8-Dec-14	941	13.9	32.4	0.01	0.008	0.125	0.003	0.009	0.0006		4	3.9	8.1
23-Mar-15	939	14.7	32.6	0.016	0.009	0.156	0.0091	0.008	0.0015		6	5.2	8
23-Jun-15	1031	8.3	32.5	0.01	0.088	0.2	0.0142	0.02	0.0005		11	8.8	7.8
21-Sep-15	1034	9	30.8	< 0.005	0.038	0.148	0.007	0.012	0.0009		< 3	2.1	8.1
7-Dec-15	924	14.7	31.8	0.007	< 0.0010	0.198	0.0022	0.008	0.0007		< 3	0.97	8.2
9-Mar-16	935	16	32.7	0.008	< 0.0010	0.143	0.0032	0.01	0.0007		< 3	1.08	8.1
13-Jun-16	1040	10.3	33.5	0.01	0.079	0.195	0.0156	0.018	0.0006		3	3.7	7.9
13-Sep-16	1045	10.5	32.5	0.013	0.035	0.138	0.0072	0.012	0.0008		< 3	1.7	8.1
8-Dec-16	950		34	0.011	< 0.0010	0.16	0.0012	0.011	0.0013		< 3	0.61	8.2