

July	6	40	11.15 a.m.	12 $\frac{1}{2}$ ' E.N.E. of Timaru ..	16	Black mud	1.45 p.m.	6' N.E. x E. $\frac{3}{4}$ E. of Timaru Light-house	9 $\frac{1}{2}$	Fine sand ..	2.45	7 $\frac{1}{2}$
"	8	41	4.50 p.m.	12' N.E. $\frac{1}{2}$ E. of Timaru ..	13	"	7 p.m.	17 $\frac{1}{2}$ ' N.E. x E. of Timaru Lighthouse	16	Sand and mud	2.10	6 $\frac{1}{2}$
"	9	42	7 a.m.	32 $\frac{1}{2}$ ' N.E. $\frac{3}{4}$ E. of Timaru ..	21	Gravel ..	9 a.m.	45 $\frac{1}{2}$ ' N.E. x E. $\frac{1}{2}$ E. of Timaru Lighthouse	24	Shell and gravel	2.0	6
"	9	43	10.50 a.m.	32 $\frac{1}{2}$ ' S.W. $\frac{3}{4}$ S. Akaroa Lighthouse ..	29	Sand and shell	1 p.m.	20 $\frac{1}{2}$ ' S.W. $\frac{3}{4}$ S. Akaroa Lighthouse ..	30	Shell and sand	2.10	6
"	9	44	1.40 p.m.	22' S.W. $\frac{1}{2}$ W. Akaroa Lighthouse ..	30	"	4.15 p.m.	18 $\frac{1}{2}$ ' S.W. $\frac{1}{2}$ W. Akaroa Lighthouse ..	24	Black mu.	2.30	7 $\frac{1}{2}$
"	10	44	10.20 a.m.	24' N. x E. $\frac{1}{2}$ E. Long Lookout Point ..	10	Sand and mud	12.45 p.m.	8 $\frac{1}{2}$ ' N. $\frac{1}{2}$ E. of Long Lookout Point ..	14	"	2.20	7
"	11	46	8.15 a.m.	4' N. $\frac{3}{4}$ E. of Sail Rocks ..	24	Mud ..	9.45 a.m.	8 $\frac{1}{2}$ ' N.E. $\frac{3}{4}$ N. of Sail Rocks ..	35	Fine sand ..	1.30	4 $\frac{1}{2}$
"	11	47	11.5 a.m.	16 $\frac{1}{2}$ ' N.E. x E. $\frac{1}{2}$ E. of Sail Rocks ..	39	Fine sand and shell	1 p.m.	21' N.E. $\frac{1}{2}$ E. of Sail Rocks ..	44	Fine sand and shell..	1.55	6
"	11	48	1.15 p.m.	21' N.E. $\frac{1}{2}$ E. of Sail Rocks ..	44	"	3.20 p.m.	27' N.E. $\frac{1}{2}$ E. of Sail Rocks ..	46	Fine sand and shell..	2.5	6 $\frac{1}{2}$
"	12	49	8 a.m.	28 $\frac{1}{2}$ ' N.E. x E. Godley Head Light-house	50	Fine sand ..	9.15 a.m.	23 $\frac{1}{2}$ ' N.E. $\frac{1}{2}$ E. Godley Head Light-house	40	Fine sand ..	1.15	3 $\frac{1}{2}$
"	12	50	9.35 a.m.	29 $\frac{1}{2}$ ' N.E. $\frac{1}{2}$ E. Godley Head Light-house	40	"	11.30 a.m.	24' N.E. Godley Head Lighthouse..	28	Sand and mud	1.55	6
"	12	51	12 noon	24' N.E. Godley Head Lighthouse ..	28	Mud and sand	1.30 p.m.	18' N.E. Godley Head Lighthouse ..	18	Soft mud ..	1.30	4 $\frac{1}{2}$
"	15	52	4.35 p.m.	9' N. x E. Godley Head Lighthouse	14	Mud ..	6.45 p.m.	15' N.E. Godley Head Lighthouse..	17	"	2.10	6 $\frac{1}{2}$
"	16	53	7 a.m.	23 $\frac{1}{2}$ ' N.N.E. Godley Head Lighthouse	16	"	8.50 a.m.	27 $\frac{1}{2}$ ' N.E. x N. $\frac{1}{2}$ N. Godley Head Lighthouse	21	Fine black sand	1.50	5 $\frac{1}{2}$
"	16	54	9.5 a.m.	27' N.E. x N. $\frac{1}{2}$ N. Godley Head Lighthouse	21	Fine sand ..	10.55 a.m.	30 $\frac{1}{2}$ ' N.E. x N. Godley Head Light-house	27	Soft mud ..	1.55	6
"	16	55	11.55 a.m.	36' N.E. $\frac{3}{4}$ N. Godley Head Light-house	38	Mud ..	1 p.m.	39' N.E. $\frac{3}{4}$ N. Godley Head Light-house	40	"	1.5	3
"	16	56	2.15 p.m.	43' N.E. x N. Godley Head Light-house	55	Sand and mud	3.30 p.m.	46' N.E. $\frac{3}{4}$ N. Godley Head Light-house	58	Mud and clay	1.15	4
"	17	57	10.45 a.m.	43' E.S.E. of Waiuana River	26	Gravel and mud	11.30 a.m.	6 $\frac{1}{2}$ ' E. $\frac{1}{2}$ S. of Waiuana River	43	Gravel and shell	0.45	2 $\frac{1}{2}$
"	18	58	1.50 p.m.	6 $\frac{1}{2}$ ' N.N.E. of Cape Campbell	38	Gravel, shell, and fine sand	12.45 p.m.	7 $\frac{1}{2}$ ' N. $\frac{3}{4}$ E. of Cape Campbell	35	Soft sand and shell..	0.55	3
"	18	59	3.5 p.m.	7 $\frac{1}{2}$ ' N. $\frac{3}{4}$ E. of Cape Campbell	35	Soft sand and coarse shell	4.5 p.m.	5 $\frac{1}{2}$ ' E. of White Bluffs ..	25	Gravel and shell	1.0	3
"	18	60	4.25 p.m.	5 $\frac{1}{2}$ ' E. of White Bluffs ..	25	Gravel and shell	5.25 p.m.	6 $\frac{1}{2}$ ' N.W. x N. $\frac{1}{2}$ N. of Cape Campbell	20	Fine sand ..	1.0	8
"	19	61	8.35 a.m.	2 $\frac{1}{2}$ ' N. $\frac{3}{4}$ W. of White Cliffs ..	10	Mud ..	9.45 a.m.	5 $\frac{1}{2}$ ' N.E. $\frac{3}{4}$ E. of Wairau River ..	15	Black sand	1.10	3 $\frac{1}{2}$
"	19	62	10 a.m.	5 $\frac{1}{2}$ ' N.E. $\frac{3}{4}$ E. of Wairau River	15	Black sand	11.30 a.m.	9 $\frac{1}{2}$ ' N.E. x E. $\frac{1}{2}$ E. of Wairau River..	30	"	1.30	4 $\frac{1}{2}$
"	19	63	12.35 p.m.	13' S. x E. $\frac{1}{2}$ E. of Wellington Heads	58	Sand and gravel	2.5 p.m.	10 $\frac{1}{2}$ ' S.W. $\frac{1}{2}$ S. of Cape Terawhiti ..	75	Gravel and shell	1.30	4 $\frac{1}{2}$
"	29	64	7.20 a.m.	1 $\frac{1}{2}$ ' N.W. $\frac{1}{2}$ W. Clatchie Point ..	16	Sand and shell	8.30 a.m.	2 $\frac{1}{2}$ ' S.E. of Port Hutt ..	24	Fine sand ..	1.20	4
"	29	65	8.50 a.m.	5' E. x S. $\frac{1}{2}$ S. of Port Hutt ..	24	Fine sand ..	10.25 a.m.	5' W. of Clatchie Point ..	33	Fine yellow sand	1.35	4 $\frac{1}{2}$
"	29	66	10.40 a.m.	5' W. of Clatchie Point ..	33	Fine yellow sand	11.50 a.m.	6 $\frac{1}{2}$ ' N.W. x W. of Durham Point ..	42	"	1.10	3 $\frac{1}{2}$
"	29	67	12.5 p.m.	5 $\frac{1}{2}$ ' N.W. x N. of Durham Point ..	42	"	1.45 p.m.	6 $\frac{1}{2}$ ' W. x N. of Durham Point ..	50	"	1.40	4 $\frac{1}{2}$
"	29	68	3.35 p.m.	5' W. x N. $\frac{3}{4}$ N. of Somes Point ..	45	Coarse sand and shell	4 p.m.	1 $\frac{1}{2}$ ' W. $\frac{1}{2}$ S. of Alison Point ..	Foul	Fine sand and shell..	0.30	2 $\frac{1}{2}$
Aug.	1	69	1.5 p.m.	4' N. $\frac{1}{2}$ E. of Cape Fournier ..	16	Sand and shell	2.25 p.m.	8 $\frac{1}{2}$ ' N. $\frac{1}{2}$ W. of Cape Fournier ..	25	Fine sand ..	1.20	4
"	1	70	3.20 p.m.	6 $\frac{1}{2}$ ' N. x E. $\frac{1}{2}$ E. of Cape Fournier ..	33	Fine sand and shell..	4.25 p.m.	11' N. $\frac{1}{2}$ E. of Cape Fournier ..	45	Fine sand ..	1.5	4
"	12	71	11.50 a.m.	1 $\frac{1}{2}$ ' S.W. x S. $\frac{1}{2}$ S. Pencarrow	28	"	1.10 p.m.	4 $\frac{1}{2}$ ' S.W. $\frac{1}{2}$ W. of Pencarrow Head..	38	Rocks, foul	1.20	4 $\frac{1}{2}$
"	13	72	7.10 a.m.	Palliser Bay ..	14	"	7.55 a.m.	Paliser Bay ..	13	Fine black sand	0.45	2 $\frac{1}{2}$
"	13	73	8.35 a.m.	" ..	11	"	9.35 a.m.	" ..	15	"	1.0	3
"	13	74	10.16 a.m.	" ..	20	"	11.30 a.m.	" ..	29	"	1.15	4
"	13	75	Noon	" ..	29	"	1.30 p.m.	" ..	38	Soft mud ..	1.30	4 $\frac{1}{2}$
"	14	76	10.20 a.m.	3 $\frac{1}{2}$ ' E. x S. $\frac{3}{4}$ S. of Castlepoint ..	28	"	11.30 p.m.	5 $\frac{1}{2}$ ' N.E. x N. $\frac{1}{2}$ N. of Castlepoint ..	19	Dark sand ..	1.10	3 $\frac{1}{2}$
"	14	77	2.10 p.m.	4' E. x N. $\frac{1}{2}$ N. of Ahanga River ..	23	Sand and mud	4.10 p.m.	6 $\frac{1}{2}$ ' S.W. x S. $\frac{1}{2}$ S. of Cape Turnagain	20	Sand a. d mud	2.0	6
"	15	78	7.40 a.m.	4 $\frac{1}{2}$ ' N.E. x N. of Cape Turnagain ..	74	Fine dark sand	9.10 a.m.	8 $\frac{1}{2}$ ' N. $\frac{3}{4}$ E. of Cape Turnagain ..	18	Fine dark sand	1.30	4 $\frac{1}{2}$
"	15	79	9.55 a.m.	Off Porangahan River ..	9	"	Fouled	" ..	Fouled	"	"	"
"	15	80	11.15 a.m.	Centre of bay ..	16	"	12.10 p.m.	8 $\frac{1}{2}$ ' S.S.W. of Black Head..	17	Fine sand ..	0.55	3
"	16	81	7.35 a.m.	2 $\frac{1}{2}$ ' N. $\frac{1}{2}$ E. of Bare Island ..	16	"	9.15 a.m.	6 $\frac{1}{2}$ ' S. $\frac{3}{4}$ E. of Cape Kidnappers	21	Sand and mud	1.40	4 $\frac{1}{2}$
"	16	82	9.35 a.m.	4 $\frac{1}{2}$ ' S. $\frac{3}{4}$ E. of Cape Kidnappers ..	21	"	10.35 a.m.	8 $\frac{1}{2}$ ' S. $\frac{3}{4}$ E. of Cape Kidnappers ..	Fouled	"	1.0	3