

PARTICULARS OF HAULS—continued.

Hauls	Date.	Hour.	Locality.	Direction trawled.	Miles from Shore.	Fathoms Depth.	Nature of Bottom.
46	7 March, 1901	7.10 a.m. to 8.10 a.m.	West of Rangipukea Island	S.E. 1/4 E. ..	4 to 6	15 to 19	Mud.
47	"	8.50 a.m. to 10 a.m.	South-west of Kiritia Bay	S.E. 1/4 E. ..	2 3/4	18 to 9	Sand.
48	"	11.10 a.m. to 1.10 p.m.	West of Waikawa River	S.E. 1/4 E. ..	4	6	Mud and shingle.
49	"	1.30 p.m. to 3 p.m.	East of Waimongo Pa	N.W. by W. 3/4 W.	5 to 2 1/4	12	Mud.
50	"	5.30 a.m. to 6.30 a.m.	East of Ponui Island	N. by W. 3/4 W.	1 1/2	10 to 8	"
51	"	7 a.m. to 8.30 a.m.	Off Titokarau Rocks	S.E. by S. 1/4 E.	3 1/4	11 to 12	"
52	"	9.25 a.m. to 11.30 a.m.	West of Tapu River	Beach-line..	2 to 3	4 to 6	"
53	"	12.5 p.m. to 1.35 p.m.	North-east of Pukehau Point	W. 1/4 S. ..	2 1/2 to 5 1/2	5 to 7	"
54	"	1.45 p.m. to 3.15 p.m.	Head of Frith of Thames	Beach-line..	2 1/2	6 to 7	"
55	"	6.30 a.m. to 7.30 a.m.	Whangarei Bay..	S.W. 3/4 S. ..	1 to 2	5 to 9	Sand.
56	"	8.15 a.m. to 9.30 a.m.	"	S. by E. 1/4 E.	1 1/2	10 to 9	"
57	"	10 a.m. to 11.15 a.m.	"	N.E. by E. 1/4 E.	1 1/2 to 2 1/2	9	"
58	"	11.30 a.m. to 1 p.m.	"	N. by W. ...	3 to 5	19 to 25	"
59	1 April, 1901	11.15 a.m. to 12.45 p.m.	Across opening, Whangarei Bay	Midstream	..	2 1/2 to 7	"
60	"	2.30 p.m. to 4 p.m.	Down Kaipara Channel from Aotea Point	"	..	7 to 8	"
61	"	4 p.m. to 5.20 p.m.	Down Kaipara Channel from Okaka Head	"	..	8 to 9	"
62	"	6.30 a.m. to 8 a.m.	Kaipara Channel	"	..	1 1/2 to 3	"
63	"	8.15 a.m. to 9.30 a.m.	Omokoiti Flats ..	Across flats	..	5 to 10	"
64	"	2.30 p.m. to 4 p.m.	Pouito Point up Otamatea Channel	Midstream	..	5 to 8	"
65	"	4.15 p.m. to 5.30 p.m.	Otamatea Channel	"	..	12 to 9	"
66	"	9 p.m. to 10 p.m.	Pouito Point outwards	"	..	9 to 12	"
67	"	6.45 a.m. to 7.45 a.m.	Kaipara Heads ..	S.E. by S.	3	5 to 7	"
68	"	8 a.m. to 9.30 a.m.	South of Kaipara Heads	E. by S. 1/4 S.	3	8 to 7	Dark sand.
69	"	11 a.m. to 12.30 p.m.	Off Rangarira Beach	S.E. 3/4 S. ..	5 to 6	13 to 14	"
70	"	3.30 p.m. to 5 p.m.	West of Parera Island	S.E. 3/4 S. ..	5 1/2	18 to 14	Sand.
71	"	10.15 a.m. to 11.30 a.m.	Inside of Manaukau Heads	Midstream	..	15 to 16	Dark sand.
72	"	11.30 a.m. to 12.30 p.m.	Puponga Point ..	Towards Papakura Channel	..	16	"
73	"	7.25 a.m. to 8.40 a.m.	Wairoa Channel	Round Puponga Point	..	5 1/2 to 6	"
74	"	9 a.m. to 10.15 a.m.	"	Towards Onehunga	..	5	"
75	"	10.20 a.m. to 11.20 a.m.	"	Up-stream	..	6 to 4	"
76	"	9.45 a.m. to 11.15 a.m.	Papakura Channel	E. by S. 3/4 E.	..	12 to 3	Sand and shell.
77	"	11.35 a.m. to 12.50 p.m.	Outside Manaukau Heads	W. by N. ..	..	2	Sand.
78	"	9.30 a.m. to 11 a.m.	"	N.E. 1/4 N. ..	2 to 3 1/2	9	Dark sand.
79	"	11.10 a.m. to 1.10 p.m.	North-east of Waikato River	S. by E. 3/4 E.	4 1/2 to 9	10 to 15	"
80	"	1.30 p.m. to 3 p.m.	Off Kawa Beach	S. by E. 3/4 E.	8 to 4	15 to 8	Sand.
81	"	8.30 a.m. to 10 a.m.	West of Rangikahu Stream	S.E. by E. ..	3 1/2 to 4 1/2	12 to 11	Dark sand.
82	"	11 a.m. to 12.30 p.m.	Off Whaingaroa Harbour	S.E. by E. ..	9 to 7	15 to 18	"
83	"	1.15 p.m. to 2.45 p.m.	South-west of Kaipia Rock	S.E. ..	3 1/2 to 2 1/2	24 to 22	Sand.
84	"	3.30 p.m. to 4.50 p.m.	Off Whaingaroa Harbour	Inshore	3 to 4	17 to 16	Dark sand.
85	"	5.30 p.m. to 6.30 p.m.	South-west of Waipapa Point	N.N.W. ..	2 to 4	14 to 7	Sand.
86	"	7.30 a.m. to 9 a.m.	North-west of Kawhia Harbour	S.W. by S. 1/4 S.	6 to 9	13 1/2 to 17	Dark sand.
87	"	8.30 a.m. to 10 a.m.	Inside Gannet Island	S.S.E. ..	5 to 2	20 to 23	Sand.
88	"	10.30 a.m. to 11.55 a.m.	West of Kawhia Harbour	Shore-line..	2 to 1	25 to 18	"
89	"	12.30 p.m. to 2 p.m.	"	"	..	15 to 8	"
90	"	2.40 p.m. to 4.25 p.m.	Kawhia Harbour-mouth	"	..	..	"