

SECONDARY PORTS TABLE – *continued*

Port	Lat. °	S. '	Long. °	E. '	Mean Time Differences		Mean Spring, Neap and Sea Level Heights (metres)					Range Ratio
					HW	LW	MHWS	MHWN	MLWN	MLWS	MSL	
ONEHUNGA	36	56	174	47	hhmm	hhmm	4.2	3.4	1.4	0.5	2.42	
Manukau Harbour												
Cornwallis	37	00	174	36	-0020	-0011	3.5	2.9	1.1	0.5	2.0	0.81 *
Papakura Channel – LPG Terminal	37	02	174	50	+0005	-0004	3.9	3.2	1.1	0.4	2.1	0.95
Paratutae Island	37	03	174	31	-0031	-0020	3.1	2.5	1.0	0.4	1.8	0.73
Waiuku	37	15	174	44	+0030	-	-	-	-	-	-	- *
West Coast Beaches												
Muriwai Beach	36	50	174	26	-0040	-0030	-	-	-	-	-	- *
Piha Beach	36	57	174	28	-0045	-0035	-	-	-	-	-	- *
Te Henga (Bethells Beach)	36	53	174	27	-0040	-0050	-	-	-	-	-	- *
PICTON	41	17	174	00	hhmm	hhmm	1.5	1.0	0.5	0.0	0.74	
Cook Strait												
Fishermans Rock	41	04	174	36	0000	0000	1.5	1.0	0.5	0.0	0.7	1.00 *
Queen Charlotte Sound												
(Totaranui)												
East Bay	41	14	174	08	-0012	-0019	1.4	1.0	0.4	0.0	0.7	0.93 *
Long Island	41	07	174	17	-0004	-0003	1.5	1.0	0.4	0.1	0.7	0.93
Okiwa Bay	41	17	173	55	-0003	-0006	1.5	1.0	0.5	0.0	0.7	1.00 *
Tory Channel												
Okukari Bay	41	12	174	19	-0053	-0034	1.4	1.1	0.7	0.4	0.9	0.67
Te Iro Bay	41	14	174	11	-0019	-0010	1.3	0.9	0.4	0.0	0.7	0.87 *
PORT CHALMERS	45	49	170	39	hhmm	hhmm	2.1	1.8	0.5	0.2	1.12	
Oamaru	45	06	170	59	+0002	+0002	2.3	1.9	0.8	0.5	1.4	0.95
Otago Harbour Entrance – Spit Wharf	45	47	170	43	-0013	-0024	2.0	1.7	0.5	0.3	1.1	0.89
PORT TARANAKI	39	04	174	02	hhmm	hhmm	3.5	2.7	1.1	0.3	1.94	1.10
Ahipara Bay	35	10	173	07	-0015	-0015	3.6	2.9	1.1	0.4	2.0	1.00 *
Aotea Harbour	38	00	174	50	-0004	-0004	3.7	2.9	1.2	0.4	2.1	1.03 *
Cape Maria van Diemen	34	29	172	38	-0035	-0035	2.4	2.1	0.6	0.3	1.4	0.66 *
Karehana Bay – Plimmerton	41	04	174	51	-0013	-0022	1.5	0.9	0.8	0.2	0.8	0.41 *
Boating Club												
Kawhia	38	04	174	49	+0018	-0004	3.6	2.8	1.1	0.3	2.0	1.03
Makara Beach	41	13	174	42	-0040	-0040	1.3	0.9	0.7	0.3	0.8	0.31 *
Manawatu River Entrance	40	28	175	13	-0020	-0020	2.4	1.8	0.9	0.2	1.3	0.69 *
Otaki River Entrance	40	45	175	06	-0020	-0020	-	-	-	-	-	- *
Paraparaumu Beach	40	54	174	59	-0020	-0020	-	-	-	-	-	- *
Porirua Harbour – Mana Cruising Club	41	06	174	52	0000	-0016	1.7	1.2	0.9	0.4	1.0	0.41 *
Raglan	37	48	174	53	+0023	+0008	3.2	2.5	0.9	0.1	1.8	0.97
Waikanae River Entrance	40	52	175	00	+0008	+0004	-	-	-	-	-	- *
Waikato River Entrance	37	24	174	45	-0004	-0004	3.7	3.0	1.2	0.5	2.1	1.00 *
Waitare Beach	40	34	175	11	-0020	-0020	-	-	-	-	-	- *
Hokianga Harbour												
Kohukohu	35	22	173	32	+0015	+0015	3.3	2.8	0.8	0.3	1.8	0.94 *
Opononi	35	30	173	24	+0005	+0002	2.9	2.3	0.7	0.1	1.5	0.88
Rawene	35	24	173	30	+0026	+0016	3.3	2.7	1.0	0.4	1.9	0.91
Kaipara Harbour												
Dargaville	35	56	173	52	+0228	+0346	-	-	-	-	-	- *
Helensville	36	40	174	27	+0222	+0249	-	-	-	-	-	- *
Island Point	36	14	174	05	+0046	+0046	3.6	2.8	1.1	0.3	1.9	1.03
Pouto Point	36	22	174	11	+0039	+0035	3.3	2.7	0.8	0.3	1.8	0.94
Shelly Beach	36	34	174	23	+0053	+0050	3.8	3.1	0.8	0.1	2.0	1.16
Te Kopuru	36	02	173	56	+0156	+0236	3.4	3.0	-	-	-	- *
Tikinui	36	07	173	58	+0138	+0155	3.8	2.9	0.8	0.1	2.0	1.16
Tinopai	36	15	174	15	+0059	+0059	3.8	2.7	0.9	0.1	1.9	1.16
Whakapirau	36	09	174	15	+0125	+0107	3.9	3.0	1.2	0.3	2.1	1.13
Kapiti Island												
Waiorua Bay	40	50	174	57	-0017	-0017	1.7	1.2	0.9	0.4	1.1	0.41 *
Manawatāwhi/Three Kings Islands												
Great Island – North West Bay	34	09	172	09	-0136	-0133	2.4	2.0	0.7	0.4	1.4	0.63
North Taranaki Bight												
Waitara River Entrance	38	59	174	14	0000	0000	3.5	2.9	1.1	0.4	2.0	0.97 *
South Taranaki Bight												
Opunake Bay	39	28	173	51	-0005	-0005	3.3	2.7	1.0	0.3	1.8	0.94 *
Patea	39	47	174	29	-0010	-0010	2.5	1.9	0.8	0.2	1.3	0.72 *
Whanganui River Entrance	39	57	174	59	+0035	+0035	2.8	2.2	1.3	0.7	1.7	0.66 *

* Data Approximate

- No Data