

## SECONDARY PORTS TABLE

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		
AUCKLAND	36	51	174	46	hhmm	hhmm	3.3	2.8	1.0	0.4	1.86		
Maraetai	36	57	175	03	-0015	-0015	-	-	-	-	-	-	*
Onetaunga Bay	36	49	174	42	+0004	-0007	3.4	2.9	0.9	0.5	2.0	1.00	
Coromandel Peninsula													
Coromandel Harbour	36	47	175	27	-0021	-0015	2.9	2.5	0.7	0.2	1.6	0.93	
Thames – Rocky Point	37	06	175	31	-0031	-0024	3.3	3.0	0.9	0.6	2.0	0.93	
Hauraki Gulf													
Mahurangi Harbour	36	29	174	43	+0002	+0012	-	-	-	-	-	-	*
Mangawhai Heads	36	05	174	36	+0005	+0005	-	-	-	-	-	-	*
Matakana River – Sandspit	36	24	174	44	+0005	+0005	2.7	2.4	0.9	0.5	1.6	0.76	
Murray Bay	36	44	174	45	-0025	-0003	2.9	2.6	0.7	0.5	1.7	0.83	*
Tiritiri Matangi Island	36	36	174	53	+0010	-0003	3.0	2.5	0.8	0.3	1.6	0.93	
Weiti River Entrance	36	39	174	44	+0001	+0007	3.0	2.5	0.8	0.2	1.7	0.97	
Whangateau Harbour	36	19	174	47	-	-	2.7	2.3	0.6	0.2	1.5	0.86	*
Kawau Island													
Mansion House Bay – Bon Accord Harbour	36	26	174	49	-0015	-0004	2.7	2.3	0.8	0.3	1.5	0.83	
Waiheke Island													
Man o'War Bay	36	47	175	09	-0018	-0018	3.0	2.5	0.7	0.2	1.6	0.97	
Matiatia Bay	36	47	174	59	0000	+0010	2.9	2.4	0.7	0.2	1.5	0.93	
BLUFF	46	36	168	21	hhmm	hhmm	2.8	2.4	1.0	0.6	1.74		
Colac Bay/Ōraka	46	22	167	54	-0044	-0039	2.3	1.8	0.9	0.4	1.3	0.86	*
Dog Island	46	39	168	25	-0017	-0035	2.8	2.3	1.0	0.5	1.7	1.05	
Kawakaputa Bay	46	23	167	49	-0115	-0119	2.8	2.3	0.9	0.4	1.6	1.09	
New River Entrance	46	32	168	15	-0022	-0022	2.8	2.5	0.7	0.4	1.6	1.09	*
Nugget Point	46	27	169	49	+0107	+0108	2.4	2.1	1.0	0.5	1.5	0.86	*
Port Craig	46	13	167	22	-0203	-0205	3.1	2.6	1.3	0.7	1.9	1.09	
Riverton/Aparima	46	22	168	01	-0054	-0052	2.9	2.4	1.2	0.7	1.8	1.00	
Ruapuke Island	46	47	168	30	-0011	-0019	2.7	2.3	0.9	0.5	1.6	1.00	
Waikawa Harbour	46	39	169	10	+0017	+0021	2.3	2.0	1.0	0.4	1.4	0.86	*
Waipapa Point	46	39	168	51	+0017	+0016	2.7	2.5	0.9	0.6	1.7	0.95	
South Offshore Islands													
Antipodes Island	49	40	178	48	+0210	-	1.8	-	-	-	1.1	-	*
Auckland Island – Carnley Harbour	50	50	166	03	-0036	-0043	1.1	0.8	0.3	0.1	0.6	0.45	
Campbell Island/Motu Ihupuku – Perseverance Harbour	52	33	169	08	+0013	+0020	1.7	1.4	0.9	0.6	1.2	0.50	*
Snares Island	48	02	166	36	-0109	-0109	1.9	1.7	0.8	0.5	1.2	0.64	
Solander Island (Hautere)	46	35	166	53	-0134	-0134	2.3	2.0	0.9	0.6	1.5	0.77	
Stewart Island/Rakiura													
Easy Harbour	47	09	167	34	-0200	-0201	2.6	2.2	0.9	0.4	1.6	1.00	*
Ernest Islands	46	58	167	41	-0200	-0203	2.2	1.8	0.7	0.2	1.2	0.91	*
Flour Cask Bay	47	17	167	29	-0124	-0136	2.8	2.4	1.0	0.5	1.7	1.05	*
Golden Bay	46	54	168	07	-0001	-0012	2.7	2.2	1.1	0.6	1.7	0.95	
Halfmoon Bay – Oban	46	54	168	08	-0006	-0009	2.6	2.2	1.1	0.6	1.6	0.91	
Port Adventure	47	05	168	11	-0017	-0017	3.0	2.5	1.1	0.6	1.8	1.09	
Small Craft Retreat	47	15	167	39	-0108	-0108	2.8	2.5	1.1	0.7	1.8	0.95	
Yankee River	46	41	167	53	-0103	-0117	2.3	1.9	0.9	0.5	1.4	0.82	
LYTTELTON	43	36	172	43	hhmm	hhmm	2.5	2.0	0.7	0.2	1.37		
Akaroa	43	48	172	55	-0043	-0042	2.6	2.2	0.9	0.6	1.5	0.87	
Cape Campbell	41	44	174	15	+0050	+0050	1.7	1.6	0.5	0.4	1.1	0.57	
Kaikoura	42	25	173	42	+0017	+0017	2.0	1.6	0.5	0.2	1.1	0.78	
Lucky Bay	41	16	174	17	+0230	+0230	1.3	1.2	0.5	0.4	0.9	0.39	*
Port Underwood	41	20	174	06	+0142	+0148	1.5	1.1	0.6	0.3	0.9	0.52	
Rakaia River Mouth	43	54	172	13	-0046	-	-	-	-	-	-	-	*
Chatham Island <sup>1</sup>													
Owenga	44	02	176	22W	+0022	+0021	1.3	1.0	0.3	0.0	0.7	0.57	
Waitangi	43	57	176	34W	+0022	+0021	0.9	0.6	0.2	0.0	0.4	0.39	
MARSDEN POINT	35	50	174	30	hhmm	hhmm	2.7	2.3	0.9	0.4	1.57		
Mangonui	34	59	173	32	+0033	+0049	2.6	2.2	0.9	0.4	1.5	0.96	
North Cape (Otou)	34	25	173	03	+0013	+0017	2.4	1.9	0.8	0.3	1.4	0.91	
Portland Wharf	35	48	174	21	+0019	+0013	3.1	2.6	1.1	0.4	1.8	1.17	
Tutukaka Harbour	35	37	174	32	-0015	-0010	2.3	1.9	0.8	0.3	1.4	0.87	
Whangamumu Harbour	35	15	174	18	+0014	+0031	2.1	1.9	0.6	0.2	1.2	0.83	
Whangarei	35	46	174	21	+0021	+0014	3.1	2.6	1.1	0.5	1.8	1.13	
Awanui River													
Dairy Factory Wharf	35	02	173	15	+0122	+0223	2.3	1.8	0.6	0.1	1.2	0.96	*

<sup>1</sup> Add a further 45 minutes to NZST to obtain Chatham Island Standard Time

\* Data Approximate - No Data

## 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	
<b>MARSDEN POINT</b> <i>continued</i>	<b>35</b>	<b>50</b>	<b>174</b>	<b>30</b>	<b>hhmm</b>	<b>hhmm</b>	<b>2.7</b>	<b>2.3</b>	<b>0.9</b>	<b>0.4</b>	<b>1.57</b>	
<b>Bay of Islands</b>												
Doves Bay	35	12	174	02	-0002	-0002	2.4	2.2	0.8	0.6	1.5	0.78
Kerikeri	35	13	173	56	+0005	+0009	-	-	-	-	-	- *
Opuā	35	19	174	07	+0002	+0006	2.5	2.1	0.8	0.4	1.4	0.91
Russell	35	16	174	07	+0006	+0006	2.4	2.0	0.8	0.3	1.4	0.91
Waitangi	35	16	174	05	+0022	+0022	2.3	2.0	0.6	0.4	1.4	0.83
<b>Coromandel Peninsula</b>												
Port Jackson	36	29	175	20	-0030	-0017	2.6	2.1	0.8	0.2	1.4	1.04
<b>Great Barrier Island (Aotea Island)</b>												
Nagle Cove	36	09	175	19	-0031	-0027	2.6	2.2	1.0	0.4	1.5	0.96
Tryphena	36	19	175	29	-0029	-0025	2.6	2.2	0.9	0.4	1.5	0.96
<b>Houhora Harbour</b>												
Houhora Harbour Entrance	34	50	173	09	+0039	+0032	2.2	1.9	0.7	0.3	1.3	0.83
Pukenui Wharf	34	49	173	07	+0042	+0035	2.1	1.9	0.3	0.1	1.1	0.87 *
<b>Kermadec Islands - Raoul Island</b>												
Fishing Rock	29	15	177	55W	-0027	-0015	1.8	1.6	0.8	0.5	1.2	0.57
Boat Cove	29	17	177	54W	-0034	-0027	1.7	1.5	0.7	0.4	1.1	0.57
Mokohinau Islands												
Burgess Island (Pokohinu)	35	54	175	07	-0024	-0020	2.5	2.1	0.9	0.4	1.5	0.91
<b>Motukawanui Island</b>												
Waiiti Bay	35	01	173	56	+0013	+0009	2.2	2.0	0.7	0.5	1.3	0.74
<b>Parengarenga Harbour</b>												
Ngatehe Point	34	31	172	57	+0140	+0145	2.5	2.1	0.7	0.4	1.4	0.91 *
<b>Rangaunu Harbour</b>												
Omaia Island	35	00	173	16	-	-	2.3	2.0	0.5	0.2	1.3	0.91 *
Scheigis Rock	34	54	173	18	+0015	-0003	2.3	1.9	0.6	0.2	1.3	0.91 *
Unahi Jetty	35	00	173	15	+0102	+0129	2.3	1.9	0.6	0.2	1.3	0.91 *
<b>Whangaroa Harbour</b>												
Whangaroa	35	01	173	45	+0032	+0028	2.5	2.2	0.8	0.5	1.5	0.87
<b>Whangaruru Harbour</b>												
Rocky Point	35	22	174	21	-	-	2.2	2.0	0.6	0.3	1.3	0.83 *
<b>NAPIER</b>	<b>39</b>	<b>29</b>	<b>176</b>	<b>55</b>	<b>hhmm</b>	<b>hhmm</b>	<b>1.8</b>	<b>1.5</b>	<b>0.4</b>	<b>0.0</b>	<b>0.94</b>	
<b>Hawke Bay</b>												
Cape Kidnappers	39	38	177	05	-0020	-0020	-	-	-	-	-	- *
Portland Island	39	17	177	52	-0015	-0015	-	-	-	-	-	- *
Waikokopu	39	04	177	50	+0005	+0005	1.6	1.5	0.4	0.2	0.9	0.78 *
Wairoa River Mouth	39	03	177	26	0000	0000	1.6	1.5	0.3	0.2	0.9	0.78 *
<b>Wairarapa Coast</b>												
Akitio River Entrance	40	36	176	25	-0100	-0100	-	-	-	-	-	- *
Bare Island (Motu o Kura)	39	50	177	02	-0017	-0017	-	-	-	-	-	- *
Cape Turnagain	40	30	176	37	-0049	-0049	-	-	-	-	-	- *
Castlepoint	40	55	176	13	-0018	-0018	1.2	1.1	0.1	0.0	0.6	0.67
Porangahau River Entrance	40	15	176	42	-0038	-0038	-	-	-	-	-	- *
Punawaitai	40	06	176	52	-0030	-0030	-	-	-	-	-	- *
<b>NELSON</b>	<b>41</b>	<b>16</b>	<b>173</b>	<b>16</b>	<b>hhmm</b>	<b>hhmm</b>	<b>4.2</b>	<b>3.2</b>	<b>1.4</b>	<b>0.5</b>	<b>2.32</b>	
Stephens Island (Takapourewa)	40	40	174	00	-0030	-0030	2.8	2.3	1.1	0.6	1.7	0.59 *
<b>Golden Bay</b>												
Collingwood	40	40	172	40	-	-	4.7	3.8	1.4	0.5	2.6	1.14 *
Motupipi Inlet	40	50	172	51	-	-	5.0	4.1	1.5	0.6	2.8	1.19 *
Tarakohe	40	49	172	54	+0002	+0008	4.0	3.0	1.3	0.3	2.1	1.00
<b>Marlborough Sounds</b>												
Catherine Cove	40	52	173	53	-0031	-0032	2.6	1.9	0.8	0.2	1.4	0.65
Current Basin	40	56	173	50	-	-	3.9	3.1	1.4	0.6	2.3	0.89 *
Elaine Bay	41	03	173	46	-0035	-0035	2.6	1.9	1.0	0.4	1.5	0.59
Elmslie Bay	40	56	173	51	-0033	-0032	3.1	2.2	1.4	0.6	1.8	0.68
Havelock	41	17	173	46	-0014	-0014	3.1	2.4	1.2	0.5	1.8	0.70
Pelorus Sound Entrance	40	55	173	59	-0100	-0120	2.8	2.2	1.1	0.5	1.6	0.62 *
Portage	41	12	174	02	-0028	-0028	3.1	2.4	1.2	0.4	1.8	0.73
Whakatahuri	41	01	174	03	-0100	-0100	2.7	2.1	1.1	0.6	1.6	0.57 *
<b>Rangitoto ki te Tonga/D'Urville Island</b>												
Greville Harbour	40	52	173	48	-0020	-0020	3.8	2.9	1.5	0.6	2.2	0.86
<b>Tasman Bay</b>												
Astrolabe Roadstead	40	58	173	03	-0020	-0020	4.8	3.8	1.2	0.2	2.5	1.24 *
Croisilles Harbour	41	05	173	42	-0018	-0002	3.6	3.0	1.2	0.7	2.1	0.78 *
Kaiteriteri	41	03	173	01	+0001	+0005	3.9	2.9	1.3	0.3	2.1	0.97
Mapua	41	15	173	06	+0019	+0019	4.1	3.3	1.6	0.6	2.4	0.95 *
Motueka	41	08	173	01	+0006	+0005	3.9	3.3	1.4	0.8	2.4	0.84 *

\* Data Approximate

- No Data

## 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	
<b>ONEHUNGA</b>	<b>36</b>	<b>56</b>	<b>174</b>	<b>47</b>	<b>hhmm</b>	<b>hhmm</b>	<b>4.2</b>	<b>3.4</b>	<b>1.4</b>	<b>0.5</b>	<b>2.42</b>	
<i><b>Manukau Harbour</b></i>												
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	-	-	-	-	-	-	- *
<i><b>West Coast Beaches</b></i>												
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	-	-	-	-	-	- *
<b>PICTON</b>	<b>41</b>	<b>17</b>	<b>174</b>	<b>00</b>	<b>hhmm</b>	<b>hhmm</b>	<b>1.5</b>	<b>1.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.74</b>	
<i><b>Cook Strait</b></i>												
Fishermans Rock	41	04	174	36	0000	0000	1.5	1.0	0.5	0.0	0.7	1.00 *
<i><b>Queen Charlotte Sound</b></i>												
<i><b>(Totaranui)</b></i>												
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 *
<i><b>Tory Channel</b></i>												
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 *
<b>PORT CHALMERS</b>	<b>45</b>	<b>49</b>	<b>170</b>	<b>39</b>	<b>hhmm</b>	<b>hhmm</b>	<b>2.1</b>	<b>1.8</b>	<b>0.5</b>	<b>0.2</b>	<b>1.12</b>	
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
<b>PORT TARANAKI</b>	<b>39</b>	<b>04</b>	<b>174</b>	<b>02</b>	<b>hhmm</b>	<b>hhmm</b>	<b>3.5</b>	<b>2.7</b>	<b>1.1</b>	<b>0.3</b>	<b>1.94</b>	<b>1.10</b>
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	-	-	-	-	-	- *
<i><b>Hokianga Harbour</b></i>												
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
<i><b>Kaipara Harbour</b></i>												
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
<i><b>Kapiti Island</b></i>												
Waiorua Bay	40	50	174	57	-0017	-0017	1.7	1.2	0.9	0.4	1.1	0.41 *
<i><b>Manawatāwhi/Three Kings Islands</b></i>												
Great Island – North West Bay	34	09	172	09	-0136	-0133	2.4	2.0	0.7	0.4	1.4	0.63
<i><b>North Taranaki Bight</b></i>												
Waitara River Entrance	38	59	174	14	0000	0000	3.5	2.9	1.1	0.4	2.0	0.97 *
<i><b>South Taranaki Bight</b></i>												
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

## 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		
TAURANGA	37	39	176	11	hhmm	hhmm	1.9	1.6	0.5	0.1	1.04		
Bay of Plenty													
Haurere Point	37	58	177	27	-0025	-0030	-	-	-	-	-	-	*
Lottin Point	37	33	178	10	-0037	-0031	1.9	1.6	0.5	0.2	1.0	0.94	
Maketu Estuary Entrance	37	45	176	27	-0040	-	-	-	-	-	-	-	*
Moutohora Island – Whale Island <sup>1</sup>	37	52	176	59	-0029	-0024	1.9	1.7	0.4	0.2	1.1	0.94	
Omaio Bay – Motunui Island	37	47	177	39	-0033	-0024	2.1	1.9	0.7	0.5	1.3	0.89	
Opotiki Wharf	38	02	177	14	+0023	+0001	2.0	1.6	0.6	0.3	1.1	0.94	
Papamoa Beach	37	43	176	20	-0040	-	-	-	-	-	-	-	*
Port Ohope Wharf	37	59	177	06	+0022	+0002	2.1	1.7	0.6	0.2	1.2	1.06	
Te Kaha	37	46	177	40	-0030	-0040	-	-	-	-	-	-	*
Waihi Beach	37	24	175	56	-0015	-	-	-	-	-	-	-	*
Whakaari/White Island	37	31	177	11	-0023	-0017	-	-	-	-	-	-	*
Whakatane	37	57	177	00	-0022	-0010	2.0	1.7	0.6	0.3	1.1	0.94	
Coromandel Peninsula													
Pauanui	37	04	175	53	-0004	-0002	-	-	-	-	-	-	*
Slipper Island (Whakahau)	37	03	175	57	-0038	-0010	2.0	1.8	0.5	0.4	1.2	0.89	
Tairua	37	00	175	51	-0003	-0003	1.9	1.6	0.4	0.1	1.0	1.00	
Tapuaetahi Bay (Boat Harbour)	36	56	175	51	-0024	-0024	1.8	1.6	0.6	0.3	1.1	0.83	
Whangamata	37	12	175	53	-0010	-0010	-	-	-	-	-	-	*
Whitianga	36	50	175	42	-0006	-0009	1.9	1.6	0.6	0.2	1.1	0.94	
Great Mercury Island (Ahuahu)													
Huruhi Harbour	36	36	175	46	-	-	2.0	1.8	0.4	0.2	1.1	1.00	*
North Island East Coast													
East Cape	37	41	178	33	-0045	-0041	2.1	1.9	0.7	0.5	1.3	0.89	*
Hicks Bay	37	35	178	19	-0045	-0031	2.2	2.0	0.8	0.5	1.3	0.94	
Tokomaru Bay	38	08	178	20	-	-	1.9	1.8	0.6	0.5	-	0.78	*
Tolaga Bay – Cooks Cove	38	23	178	20	-0104	-0110	1.7	1.6	0.4	0.3	1.0	0.78	
Waipiro Bay	38	02	178	20	-0052	-0058	2.0	1.8	0.6	0.5	1.2	0.83	*
Tauranga Harbour													
Bowentown – Katikati Entrance	37	28	175	59	-0005	-	-	-	-	-	-	-	*
Katikati – Kauri Point	37	31	175	59	+0030	-	-	-	-	-	-	-	*
Omokoroa Beach	37	40	176	03	+0100	-	-	-	-	-	-	-	*
Town Wharf	37	40	176	09	+0020	-	-	-	-	-	-	-	*
TIMARU	44	23	171	15	hhmm	hhmm	2.4	2.0	0.8	0.5	1.44		
Ashburton River Entrance	44	03	171	48	+0031	-	-	-	-	-	-	-	*
Rangitata River Entrance	44	11	171	31	+0015	-	-	-	-	-	-	-	*
WELLINGTON	41	17	174	47	hhmm	hhmm	1.8	1.4	0.7	0.4	1.08		
Cook Strait													
Cape Terawhiti – Oteranga Bay	41	18	174	37	+0107	+0113	0.9	0.7	0.5	0.3	0.6	0.43	
Karori Rock Light	41	21	174	39	+0045	+0045	-	-	-	-	-	-	*
Wairarapa Coast													
Cape Palliser (Matakitakiakupe)	41	37	175	17	+0010	+0010	1.5	1.4	0.5	0.3	0.9	0.86	*
WESTPORT	41	45	171	36	hhmm	hhmm	3.2	2.5	0.9	0.2	1.76		
Buller Coast													
Karamea River Entrance	41	15	172	06	-0035	-	-	-	-	-	-	-	*
Whanganui Inlet	40	35	172	35	-0105	-0105	2.9	2.3	0.8	0.0	1.4	0.97	*
Fiordland Sounds													
Bligh Sound	44	53	167	32	+0100	+0100	2.1	1.8	0.6	0.3	1.2	0.60	*
Charles Sound	45	05	167	06	+0033	+0035	3.1	2.6	1.1	0.4	1.8	0.90	
George Sound	44	52	167	22	+0034	+0034	2.5	2.1	0.9	0.5	1.5	0.67	
Breaksea Sound													
Gilbert Islands	45	36	166	41	+0037	+0039	2.3	1.8	0.7	0.2	1.3	0.70	
Chalky Inlet													
Chalky Island - Sealers Bay	46	03	166	33	+0053	+0054	2.6	2.1	1.0	0.4	1.5	0.73	
Small Craft Harbour Islands	45	58	166	40	+0105	+0058	2.4	1.9	0.8	0.3	1.3	0.70	
Doubtful Sound/Patea													
Blanket Bay	45	18	166	59	+0036	+0037	2.3	1.7	0.7	0.1	1.2	0.73	
Deep Cove	45	28	167	09	+0112	+0110	2.3	1.8	0.8	0.3	1.3	0.67	
Dusky Sound													
Front Islands	45	44	166	44	+0055	+0056	2.2	1.7	0.6	0.2	1.2	0.67	
Many Islands	45	46	166	31	+0042	+0043	2.6	2.2	1.1	0.5	1.6	0.70	
Milford Sound/Piopirotahi													
Anita Bay	44	35	167	48	+0026	+0027	2.5	1.9	0.9	0.3	1.4	0.73	
Fresh Water Basin	44	40	167	56	+0028	+0029	2.5	1.9	0.8	0.4	1.4	0.70	
Preservation Inlet													
Coal Island - Fishing Bay	46	06	166	39	+0100	+0100	2.2	1.8	0.8	0.3	1.3	0.63	

<sup>1</sup> Name not official

\* Data Approximate

- No Data