

## Secondary Ports Table

No.	Port	Lat. °	S. ′	Long. °	E. ′	Time Differences High Water		Time Differences Low Water		Mean Spring, Neap and Sea Level Heights (metres)					Range Ratio
						Mean	Range	Mean	Range	MHWS	MHWN	MLWN	MLWS	MSL	
<b>6400</b>	<b>Auckland</b>	<b>36</b>	<b>51</b>	<b>174</b>	<b>46</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>3.3</b>	<b>2.7</b>	<b>1.0</b>	<b>0.5</b>	<b>1.92</b>	
6399c	Devonport Naval Base	36	50	174	47	0000	-0007 to +0003	0000	-0007 to +0004	3.2	2.7	0.9	0.4	1.8	1.00
6399e	Hobsonville	36	47	174	40	+0008	-0013 to +0036	+0003	-0028 to +0033	3.6	3.1	1.1	0.6	2.1	1.07
6402	Maraetai	36	52	175	03	-0015	-	-0015	-	-	-	-	-	-	*
6399d	Onetaunga Bay	36	49	174	42	+0004	-	-0007	-	3.4	2.9	0.9	0.5	2.0	1.04 *
6401b	Pine Harbour	36	53	174	59	-0012	-0033 to +0006	0000	-0025 to +0021	3.2	2.7	0.9	0.3	1.8	1.04
6402a	Sandspit Passage	36	54	175	11	-0015	-0033 to -0001	-0004	-0025 to +0009	3.3	2.7	0.9	0.3	1.8	1.07
6401c	Tamaki River	36	55	174	52	0000	-0008 to +0008	0000	-0007 to +0007	3.4	2.8	1.1	0.5	1.9	1.04
6399f	Whau River Entrance	36	52	174	39	+0010	-0042 to +0031	+0007	-0040 to +0029	3.6	3.1	1.1	0.6	2.1	1.07
<b>Coromandel Peninsula</b>															
6405	Coromandel Harbour - Whanganui Island	36	47	175	27	-0021	-0044 to +0011	-0015	-0048 to +0011	2.9	2.3	0.7	0.0	1.5	1.04
6404	Thames	37	08	175	31	-0017	-0027 to -0009	-0010	-0017 to +0003	3.5	2.9	0.9	0.3	1.9	1.14
<b>Hauraki Gulf / Tikapa Moana</b>															
6396b	Leigh	36	17	174	48	-0012	-0033 to +0013	-0001	-0031 to +0022	2.6	2.2	0.8	0.3	1.5	0.82
6398	Mahurangi Harbour	36	29	174	43	-0010	-0025 to +0014	0000	-0018 to +0025	2.9	2.4	0.9	0.4	1.7	0.89
6397a	Matakana River - Sandspit	36	24	174	44	-0006	-0018 to +0015	+0001	-0013 to +0014	2.9	2.5	0.9	0.5	1.7	0.86
6400a	McKenzie Bay	36	47	174	50	-0012	-0030 to +0008	-0003	-0023 to +0018	3.1	2.6	0.9	0.4	1.7	0.96
6399a	Murrays Bay	36	44	174	45	-0011	-0030 to +0008	0000	-0021 to +0022	3.1	2.6	0.9	0.3	1.7	1.00
6399b	Rakino Island	36	44	174	57	-0014	-0039 to +0006	-0003	-0030 to +0022	3.0	2.5	0.9	0.3	1.7	0.96
6398a	Tiritiri Matangi Island	36	36	174	53	-0013	-0031 to +0007	-0001	-0023 to +0022	2.9	2.5	0.8	0.3	1.7	0.93
6399	Weiti River Entrance	36	39	174	44	+0001	-0020 to +0022	+0007	-0023 to +0025	3.0	2.5	1.0	0.5	1.8	0.89
6396c	Whangateau Harbour	36	19	174	47	-	-	-	-	2.7	2.3	0.6	0.2	1.5	0.89 *
<b>Kawau Island</b>															
6397	Bon Accord Harbour - Mansion House Bay	36	26	174	49	-0010	-0038 to +0012	0000	-0030 to +0023	2.9	2.4	0.9	0.4	1.7	0.89
<b>Waiheke Island</b>															
6401	Man o'War Bay	36	47	175	09	-0015	-0033 to -0001	-0004	-0023 to +0014	3.2	2.6	0.9	0.3	1.8	1.04
6401a	Matiatia Bay	36	47	174	59	-0011	-0028 to +0005	-0002	-0021 to +0016	3.1	2.6	0.9	0.4	1.7	0.96
<b>6504</b>	<b>Bluff</b>	<b>46</b>	<b>36</b>	<b>168</b>	<b>21</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>2.8</b>	<b>2.3</b>	<b>1.1</b>	<b>0.6</b>	<b>1.76</b>	
6506	Colac Bay / Ōraka	46	22	167	54	-	-	-	-	2.3	1.8	0.9	0.4	1.3	0.86 *
6503	Dog Island	46	39	168	25	-0017	-0028 to -0002	-0035	-0047 to -0015	2.9	2.5	1.2	0.6	1.8	1.05
6506a	Kawakaputa Bay	46	23	167	49	-0115	-0148 to -0035	-0119	-0148 to -0048	2.8	2.3	0.9	0.4	1.6	1.09
6505	New River Entrance	46	32	168	15	-0022	-	-0022	-	2.8	2.5	0.7	0.4	1.6	1.09 *
6500	Nugget Point	46	27	169	49	+0107	+0012 to +0213	+0108	+0019 to +0200	2.4	2.1	1.0	0.5	1.5	0.86 *

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						Mean hhmm	Range hhmm to hhmm	Mean hhmm	Range hhmm to hhmm	MHWS	MHWN	MLWN	MLWS	MSL	
<b>6504</b>	<b>Bluff continued</b>	<b>46</b>	<b>36</b>	<b>168</b>	<b>21</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>2.8</b>	<b>2.3</b>	<b>1.1</b>	<b>0.6</b>	<b>1.76</b>	
6510f	Port Craig	46	13	167	22	-0203	-0236 to -0138	-0205	-0230 to -0142	3.1	2.6	1.3	0.7	1.9	1.09
6505a	Riverton / Aparima	46	22	168	01	-0054	-0135 to -0033	-0052	-0114 to -0034	2.9	2.4	1.2	0.7	1.8	1.00
6503a	Ruapuke Island	46	47	168	30	-0011	-0035 to +0018	-0019	-0040 to +0009	2.7	2.3	0.9	0.5	1.6	1.00
6501	Waikawa Harbour	46	39	169	10	+0122	+0057 to +0138	+0114	+0057 to +0128	2.5	2.2	0.9	0.5	1.5	0.91
6502	Waipapa Point	46	39	168	51	-	-	-	-	2.7	2.5	0.9	0.6	1.7	0.95 *
<b>Stewart Island / Rakiura</b>															
6510d	Christmas Village Bay	46	45	168	00	-0033	-0107 to -0014	-0046	-0112 to -0024	2.4	2.0	1.1	0.6	1.5	0.82
6509a	Easy Harbour	47	09	167	34	-0200	-0235 to -0140	-0201	-0225 to -0143	2.6	2.2	0.9	0.4	1.6	1.00
6510	Ernest Islands	46	58	167	41	-0200	-0226 to -0131	-0203	-0224 to -0134	2.2	1.8	0.7	0.2	1.2	0.91 *
6509	Flour Cask Bay	47	17	167	29	-0124	-0146 to -0110	-0136	-0145 to -0128	2.8	2.4	1.0	0.5	1.7	1.05
6507	Golden Bay	46	54	168	07	-0001	-0022 to +0022	-0012	-0031 to +0014	2.7	2.2	1.1	0.6	1.7	0.95
6506c	Halfmoon Bay / Oban	46	54	168	08	-0006	-0033 to +0024	-0019	-0039 to +0012	2.6	2.2	1.1	0.6	1.6	0.91
6508	Port Adventure	47	05	168	11	-0011	-0036 to +0038	-0013	-0036 to +0027	2.9	2.4	1.1	0.6	1.8	1.05
6510e	Port William / Potirepo	46	50	168	05	-0015	-0043 to +0009	-0028	-0056 to -0005	2.6	2.1	1.1	0.6	1.6	0.91
6508a	Small Craft Retreat	47	15	167	39	-0100	-0123 to -0037	-0102	-0118 to -0039	3.0	2.5	1.1	0.6	1.8	1.09
6510c	Yankee River Entrance	46	41	167	53	-0103	-0132 to -0031	-0117	-0144 to -0044	2.3	1.9	0.9	0.5	1.4	0.82
<b>Sub-Antarctic Islands</b>															
6535	Antipodes Island	49	40	178	48	+0210	-	-	-	1.8	-	-	-	1.1	- *
6534	Auckland Island - Carnley Harbour	50	50	166	03	-0042	-0103 to -0027	-0040	-0055 to -0019	1.9	1.4	0.7	0.2	1.1	0.77
6532	Campbell Island / Motu Ihupuku - Perseverance Harbour	52	33	169	08	+0013	-	+0020	-	1.7	1.4	0.9	0.6	1.2	0.50 *
6510b	Snares Islands / Tini Heke - North East Island	48	01	166	36	-0140	-0226 to -0117	-0143	-0217 to -0124	1.9	1.6	0.7	0.3	1.2	0.73
6510a	Solander Island / Hautere	46	35	166	53	-0206	-0254 to -0144	-0207	-0243 to -0146	2.3	2.0	0.9	0.4	1.4	0.86
<b>6425</b>	<b>Gisborne</b>	<b>38</b>	<b>40</b>	<b>178</b>	<b>02</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>2.1</b>	<b>1.7</b>	<b>0.8</b>	<b>0.4</b>	<b>1.26</b>	
6422	East Cape	37	41	178	33	+0032	-	+0030	-	2.1	1.9	0.7	0.5	1.3	0.94 *
6427	Happy Jacks Boat Harbour	39	01	177	54	0000	-0017 to +0025	0000	-0016 to +0020	2.0	1.7	0.8	0.5	1.3	0.88
6423a	Tokomaru Bay	38	08	178	20	-	-	-	-	1.9	1.8	0.6	0.5	1.2	0.82 *
6424	Tolaga Bay - Cooks Cove	38	23	178	20	+0005	-0015 to +0025	+0005	-0013 to +0027	1.7	1.6	0.4	0.3	1.0	0.82
6423b	Tolaga Bay Wharf	38	23	178	19	+0008	-0007 to +0033	+0008	-0006 to +0027	1.6	1.4	0.3	0.1	1.3	0.88
6423	Waipiro Bay	38	02	178	20	+0011	-0011 to +0024	+0010	-0011 to +0025	2.1	1.8	0.8	0.5	1.3	0.94
6421	Wharekahika / Hicks Bay	37	35	178	19	+0039	+0018 to +0101	+0039	+0020 to +0102	1.9	1.6	0.5	0.2	1.1	1.00
<b>6490</b>	<b>Lyttelton</b>	<b>43</b>	<b>36</b>	<b>172</b>	<b>43</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>hhmm</b>	<b>hhmm to hhmm</b>	<b>2.5</b>	<b>2.0</b>	<b>0.7</b>	<b>0.3</b>	<b>1.44</b>	
6487b	Conway Flat	42	38	173	27	+0015	-0010 to +0033	+0014	-0014 to +0032	1.8	1.3	0.4	0.0	0.8	0.82
6487	Kaikōura	42	25	173	42	+0017	+0010 to +0025	+0017	+0007 to +0029	1.8	1.4	0.4	0.0	0.9	0.82
6486	Kekerengu	42	00	174	01	+0023	0000 to +0036	+0022	-0004 to +0038	1.8	1.3	0.4	0.0	0.9	0.82

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