SECONDARY PORTS TABLE – continued

	Lat.	S.	Long.	E.	Mean Time Differences		Mean Spring, Neap and Sea Level Heights (metres)					Range Ratio
Port	0	,		-	HW	LW	MHWS	MHWN	MLWN	MLWS	MSL	
AURANGA	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 Island1	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
ē Kaha	37	46	177	40	-0030	-0040	-	-	-	-	-	-
Vaihi Beach	37	24	175	56	-0015	-	-	-	-	-	-	-
Vhakaari/White Island	37	31	177	11	-0023	-0017	-	-	-		-	
Vhakatane	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
āirua	37	00	175	51	-0003	-0003	1.9	1.6	0.4	0.1	1.0	1.00
apuaetahi Bay (Boat Harbour)	36	56	175	51	-0024	-0024	1.8	1.6	0.6	0.3	1.1	0.83
Vhangamata	37	12	175	53	-0010	-0010	-	-	-	-		
Vhitianga	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
licks Bay	37	35	178	19	-0045	-0031	2.2	2.0	0.8	0.5	1.3	0.94
okomaru Bay	38	08	178	20	-0043	-0001	1.9	1.8	0.6	0.5	-	0.34
okomaru Bay olaga Bay – Cooks Cove	38	23	178	20	-0104	-0110	1.7	1.6	0.4	0.3	1.0	0.78
Vaipiro 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	_	_	_	_	_	_	_
own Wharf	37	40	176	09	+0020	_	_	_	_	_	_	_
own whan		70	170	00	10020							
IMARU	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	-	-	-	-	-	-	-
VEL L INIOTON		4=	4=4	4=							4.00	
VELLINGTON	41	17	174	47	hhmm	hhmm	1.8	1.4	0.7	0.4	1.08	
Cook Strait	4.4	40	474	07	0407	0440	0.0	0.7	0.5	0.0	0.0	0.40
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	-	-	-	-	-	-
Vairarapa Coast												
Cape Palliser (Matakitakiakupe)	41	37	175	17	+0010	+0010	1.5	1.4	0.5	0.3	0.9	0.86
VESTPORT	41	45	171	36	hhmm	hhmm	3.2	2.5	0.9	0.2	1.76	
	41	40	171	30	hhmm	hhmm	3.2	2.5	0.9	0.2	1.70	
Buller Coast	44	15	170	06	0005							
Karamea River Entrance	41	15	172	06 25	-0035	0105	2.0	-	- 0.0	-	- 1 /	- 0.07
Vhanganui Inlet	40	35	172	35	-0105	-0105	2.9	2.3	8.0	0.0	1.4	0.97
Fiordland Sounds						c ·						
Bligh Sound	44	53	167	32	+0100	+0100	2.1	1.8	0.6	0.3	1.2	0.60
	45	05	167	06	+0033	+0035	3.1	2.6	1.1	0.4	1.8	0.90
Charles Sound		52		22	+0034	+0034	2.5	2.1	0.9	0.5	1.5	0.67
Charles Sound George Sound	44	0_	167		+000+							
George Sound Breaksea Sound												
George Sound	44 45	36	167 166	41	+0037	+0039	2.3	1.8	0.7	0.2	1.3	0.70
George Sound Breaksea Sound				41		+0039	2.3	1.8	0.7	0.2	1.3	
George Sound Breaksea Sound Gilbert Islands				41 33			2.3 2.6	1.8 2.1	0.7 1.0	0.2	1.5	0.70 0.73
George Sound Breaksea Sound Gilbert Islands Chalky Inlet	45	36	166		+0037	+0039						
George Sound Breaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Small Craft Harbour Islands	45 46	36 03	166 166	33	+0037 +0053	+0039	2.6	2.1	1.0	0.4	1.5	0.73
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Small Craft Harbour Islands Doubtful Sound/Patea	45 46	36 03	166 166	33	+0037 +0053	+0039	2.6	2.1	1.0	0.4	1.5	0.73
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Doubtful Sound/Patea Blanket Bay	45 46 45	36 03 58 18	166 166 166	33 40 59	+0037 +0053 +0105 +0036	+0039 +0054 +0058 +0037	2.6 2.4	2.1 1.9	1.0 0.8 0.7	0.4 0.3	1.5 1.3	0.73 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Small Craft Harbour Islands Doubtful Sound/Patea Blanket Bay Deep Cove	45 46 45 45	36 03 58	166 166 166	33 40	+0037 +0053 +0105	+0039 +0054 +0058	2.6 2.4 2.3	2.1 1.9 1.7	1.0 0.8	0.4 0.3 0.1	1.5 1.3 1.2	0.73 0.70 0.73
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Doubtful Sound/Patea Blanket Bay Deep Cove	45 46 45 45 45	36 03 58 18 28	166 166 166 166 167	33 40 59 09	+0037 +0053 +0105 +0036 +0112	+0039 +0054 +0058 +0037 +0110	2.6 2.4 2.3 2.3	2.1 1.9 1.7 1.8	1.0 0.8 0.7 0.8	0.4 0.3 0.1 0.3	1.5 1.3 1.2 1.3	0.73 0.70 0.73 0.67
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Doubtful Sound/Patea Blanket Bay Deep Cove Dusky Sound Front Islands	45 46 45 45 45 45	36 03 58 18 28	166 166 166 167 166	33 40 59 09	+0037 +0053 +0105 +0036 +0112 +0055	+0039 +0054 +0058 +0037 +0110 +0056	2.6 2.4 2.3 2.3	2.1 1.9 1.7 1.8	1.0 0.8 0.7 0.8	0.4 0.3 0.1 0.3	1.5 1.3 1.2 1.3	0.73 0.70 0.73 0.67
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Coubtful Sound/Patea Blanket Bay Deep Cove Cousky Sound Front Islands Many Islands	45 46 45 45 45	36 03 58 18 28	166 166 166 166 167	33 40 59 09	+0037 +0053 +0105 +0036 +0112	+0039 +0054 +0058 +0037 +0110	2.6 2.4 2.3 2.3	2.1 1.9 1.7 1.8	1.0 0.8 0.7 0.8	0.4 0.3 0.1 0.3	1.5 1.3 1.2 1.3	0.73 0.70 0.73 0.67
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Doubtful Sound/Patea Blanket Bay Deep Cove Dusky Sound Front Islands Many Islands Milford Sound/Piopiotahi	45 46 45 45 45 45 45	36 03 58 18 28 44 46	166 166 166 167 166 166	33 40 59 09 44 31	+0037 +0053 +0105 +036 +0112 +0055 +0042	+0039 +0054 +0058 +0037 +0110 +0056 +0043	2.6 2.4 2.3 2.3 2.2 2.6	2.1 1.9 1.7 1.8 1.7 2.2	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5	1.5 1.3 1.2 1.3 1.2 1.6	0.73 0.70 0.73 0.67 0.67 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Coubtful Sound/Patea Blanket Bay Deep Cove Cusky Sound Front Islands Many Islands Milford Sound/Piopiotahi Anita Bay	45 46 45 45 45 45 45 44	36 03 58 18 28 44 46	166 166 166 167 166 166	33 40 59 09 44 31	+0037 +0053 +0105 +036 +0112 +0055 +0042 +0026	+0039 +0054 +0058 +0037 +0110 +0056 +0043 +0027	2.6 2.4 2.3 2.3 2.2 2.6	2.1 1.9 1.7 1.8 1.7 2.2	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5	1.5 1.3 1.2 1.3 1.2 1.6	0.73 0.70 0.73 0.67 0.67 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Doubtful Sound/Patea Blanket Bay Deep Cove Dusky Sound Front Islands Many Islands Milford Sound/Piopiotahi	45 46 45 45 45 45 45	36 03 58 18 28 44 46	166 166 166 167 166 166	33 40 59 09 44 31	+0037 +0053 +0105 +036 +0112 +0055 +0042	+0039 +0054 +0058 +0037 +0110 +0056 +0043	2.6 2.4 2.3 2.3 2.2 2.6	2.1 1.9 1.7 1.8 1.7 2.2	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5	1.5 1.3 1.2 1.3 1.2 1.6	0.73 0.70 0.73 0.67 0.67 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Coubtful Sound/Patea Blanket Bay Deep Cove Cusky Sound Front Islands Many Islands Milford Sound/Piopiotahi Anita Bay Fresh Water Basin Preservation Inlet	45 46 45 45 45 45 45 44 44	36 03 58 18 28 44 46 35 40	166 166 166 167 166 166 167	33 40 59 09 44 31 48 56	+0037 +0053 +0105 +036 +0112 +0055 +0042 +0026 +0028	+0039 +0054 +0058 +0037 +0110 +0056 +0043 +0027 +0029	2.6 2.4 2.3 2.3 2.2 2.6 2.5 2.5	2.1 1.9 1.7 1.8 1.7 2.2 1.9	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5 0.3 0.4	1.5 1.3 1.2 1.3 1.2 1.6 1.4	0.73 0.70 0.73 0.67 0.67 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Coubtful Sound/Patea Blanket Bay Deep Cove Cusky Sound Front Islands Many Islands Milford Sound/Piopiotahi Anita Bay Fresh Water Basin	45 46 45 45 45 45 45 44	36 03 58 18 28 44 46	166 166 166 167 166 166	33 40 59 09 44 31	+0037 +0053 +0105 +036 +0112 +0055 +0042 +0026	+0039 +0054 +0058 +0037 +0110 +0056 +0043 +0027	2.6 2.4 2.3 2.3 2.2 2.6	2.1 1.9 1.7 1.8 1.7 2.2	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5	1.5 1.3 1.2 1.3 1.2 1.6	0.73 0.70 0.73 0.67 0.67 0.70
George Sound Greaksea Sound Gilbert Islands Chalky Inlet Chalky Island - Sealers Bay Gmall Craft Harbour Islands Chalky Island - Sealers Bay Gmall Craft Harbour Islands Coubtful Sound/Patea Blanket Bay Ceep Cove Cusky Sound Gront Islands Many Islands Milford Sound/Piopiotahi Anita Bay Gresh Water Basin Creservation Inlet	45 46 45 45 45 45 45 44 44	36 03 58 18 28 44 46 35 40	166 166 166 167 166 166 167	33 40 59 09 44 31 48 56	+0037 +0053 +0105 +036 +0112 +0055 +0042 +0026 +0028	+0039 +0054 +0058 +0037 +0110 +0056 +0043 +0027 +0029	2.6 2.4 2.3 2.3 2.2 2.6 2.5 2.5	2.1 1.9 1.7 1.8 1.7 2.2 1.9	1.0 0.8 0.7 0.8 0.6 1.1	0.4 0.3 0.1 0.3 0.2 0.5 0.3 0.4	1.5 1.3 1.2 1.3 1.2 1.6 1.4	0.73 0.70 0.73 0.67 0.67 0.70