

PORT OTAGO PASSAGE PLAN

INBOUND PBG ALPHA to PORT CHALMERS

WP	REMARK	LATITUDE	LONGITUDE	Co.	DIST	DIST	SPEED	TIME	Tot.TIME	RAD	ROT	PARALLEL INDEX
WP000	Pilot Boarding Ground ALPHA	45° 42.83234'S	170° 44.80986'E	225°	1.10 NM	1.10 NM	12.0 kn	0 h 5 m				
WP001	Pilot Boarding Ground BRAVO	45° 43.60788'S	170° 43.71355'E	186°	1.50 NM	1.50 NM	12.0 kn	0 h 7 m	0 h 12 m	1195 m		FWB 186° x 0.09' L
WP002	Fairway Beacon	45° 45.06463'S	170° 43.47662'E	181°	0.54 NM	2.04 NM	12.0 kn	0 h 3 m	0 h 15 m	500 m		FWB 181° x 0.09' L
WP003	North Approach	45° 45.60344'S	170° 43.46250'E	186°	1.10 NM	3.14 NM	12.0 kn	0 h 5 m	0 h 20 m	500 m		Howletts point 186° x 0.13'L
WP004	Pilots Beach	45° 46.67528'S	170° 43.29670'E	181°	0.32 NM	3.46 NM	12.0 kn	0 h 2 m	0 h 22 m	500 m		Harrington Point 181° x 0.06'L
WP005	Harrington Point	45° 46.99726'S	170° 43.28844'E	181°	0.17 NM	3.59 NM	12.0 kn	0 h 1 m	0 h 23 m	500 m		Harrington Point 181° x 0.06'L
WP006	Spit Tide Gauge Pile	45° 47.17063'S	170° 43.28311'E	193°	0.60 NM	4.19 NM	12.0 kn	0 h 3 m	0 h 26 m	1000 m	20°	
WP007	Harrington Bend	45° 47.73455'S	170° 43.09572'E	268°	0.80 NM	4.99 NM	12.0 kn	0 h 4 m	0 h 30 m	1100 m	20°	
WP008	Cross Channel East	45° 47.76073'S	170° 42.00155'E	283°	1.40 NM	6.39 NM	10.0 kn	0 h 8 m	0 h 38 m	1000 m		Bcn no. 11 283° x 0.07'R
WP009	Cross Channel West	45° 47.45124'S	170° 40.11388'E	231°	0.70 NM	7.09 NM	8.0 kn	0 h 5 m	0 h 43 m	1730 m		Bcn no. 15 231° x 0.06'R
WP010	Pulling Point(Tug Meeting Pt)	45° 47.89481'S	170° 39.31109'E	263°	0.60 NM	7.69 NM	8.0 kn	0 h 4 m	0 h 47 m	1500 m	10°	Acheron Point 263° x 0.07'R
WP011	Acheron Point	45° 47.96236'S	170° 38.48544'E	241°	0.42 NM	8.11 NM	6.0 kn	0 h 4 m	0 h 51 m	1900 m		
WP012	Deborah Bend	45° 48.16202'S	170° 37.95941'E	198°	0.37 NM	8.48 NM	6.0 kn	0 h 4 m	0 h 55 m	1000 m	11°	
WP013	Multi-Purpose North End	45° 48.51790'S	170° 37.79359'E	168°	0.30 NM	8.78 NM	3.0 kn	0 h 6 m	1 h 01 m	500 m		
WP014	Beach Street North End	45° 48.81490'S	170° 37.88001'E									

PORT OTAGO PASSAGE PLAN

OUTBOUND PORT CHALMERS to PBG ALPHA

WP	REMARK	LATITUDE	LONGITUDE	Co.	DIST	T.	SPEED	TIME	Tot.TIME	RAD	ROT	PARALLEL INDEX
WP014	Beach Street North End	45° 48.81490'S	170° 37.88001'E	349°	0.30 NM	0.30 NM	3.0 kn	0 h 6 m				
WP013	Multi-Purpose North End	45° 48.51790'S	170° 37.79359'E	018°	0.37 NM	0.67 NM	6.0 kn	0 h 4 m	0 h 10 m	500 m		
WP012	Deborah Bend	45° 48.16202'S	170° 37.95941'E	061°	0.41 NM	1.08 NM	6.0 kn	0 h 4 m	0 h 14 m	1000 m	11°	
WP011	Acheron Point	45° 47.96236'S	170° 38.48544'E	083°	0.60 NM	1.68 NM	8.0 kn	0 h 4 m	0 h 18 m	1900 m		Acheron Point 083° x 0.07'L
WP010	Pulling Point(Tug Meeting Pt)	45° 47.89481'S	170° 39.31109'E	052°	0.70 NM	2.38 NM	8.0 kn	0 h 5 m	0 h 23 m	1500 m	10°	Bcn no. 15 052° x 0.06'L
WP009	Cross Channel West	45° 47.45124'S	170° 40.11388'E	103°	1.40 NM	3.78 NM	10.0 kn	0 h 8 m	0 h 31 m	1730 m		Bcn no. 11 103° x 0.07'L
WP008	Cross Channel East	45° 47.76073'S	170° 42.00155'E	088°	0.80 NM	4.58 NM	12.0 kn	0 h 4 m	0 h 35 m	1000 m		
WP007	Harrington Bend	45° 47.73455'S	170° 43.09572'E	013°	0.60 NM	5.18 NM	12.0 kn	0 h 3 m	0 h 38 m	1100 m	20°	
WP006	Spit Tide Gauge Pile	45° 47.17063'S	170° 43.28311'E	001°	0.17 NM	5.35 NM	12.0 kn	0 h 1 m	0 h 39 m	1000 m	20°	Harrington Point 001° x 0.06'R
WP005	Harrington Point	45° 46.99726'S	170° 43.28844'E	001°	0.32 NM	5.67 NM	12.0 kn	0 h 2 m	0 h 41 m	500 m		Harrington Point 001° x 0.06'R
WP004	Pilots Beach	45° 46.67528'S	170° 43.29670'E	006°	1.10 NM	6.77 NM	12.0 kn	0 h 5 m	0 h 46 m	500 m		Howletts point 006° x 0.13'R
WP003	North Approach	45° 45.60344'S	170° 43.46250'E	001°	0.54 NM	7.30 NM	12.0 kn	0 h 3 m	0 h 49 m	500 m		FWB 001° x 0.09' R
WP002	Fairway Beacon	45° 45.06463'S	170° 43.47662'E	006°	1.50 NM	8.80 NM	12.0 kn	0 h 7 m	0 h 56 m	500 m		FWB 006° x 0.09' R
WP001	Pilot Boarding Ground BRAVO	45° 43.60788'S	170° 43.71355'E	045°	1.10 NM	9.90 NM	12.0 kn	0 h 5 m	1 h 01 m	1195 m		
WP000	Pilot Boarding Ground ALPHA	45° 42.83234'S	170° 44.80986'E									

PORT OTAGO PASSAGE PLAN

INBOUND PBG ALPHA to DUNEDIN

WP		LATITUDE	LONGITUDE	Co.	DIST	DIST	SPEED	TIME	Tot.TIME	RAD	ROT	PARALLEL INDEX
WP000	Pilot Boarding Ground ALPHA	45° 42.83234'S	170° 44.80986'E	225°	1.10 NM	1.10 NM	12.0 kn	0 h 5 m				
WP001	Pilot Boarding Ground BRAVO	45° 43.60788'S	170° 43.71355'E	186°	1.50 NM	1.50 NM	12.0 kn	0 h 7 m	0 h 12 m	1195 m		FWB 186° x 0.09' L
WP002	Fairway Beacon	45° 45.06463'S	170° 43.47662'E	181°	0.54 NM	2.04 NM	12.0 kn	0 h 3 m	0 h 15 m	500 m		FWB 181° x 0.09' L
WP003	North Approach	45° 45.60344'S	170° 43.46250'E	186°	1.10 NM	3.14 NM	12.0 kn	0 h 5 m	0 h 20 m	500 m		Howletts point 186° x 0.13'L
WP004	Pilots Beach	45° 46.67528'S	170° 43.29670'E	181°	0.32 NM	3.46 NM	12.0 kn	0 h 2 m	0 h 22 m	500 m		Harrington Point 181° x 0.06'L
WP005	Harrington Point	45° 46.99726'S	170° 43.28844'E	181°	0.17 NM	3.59 NM	12.0 kn	0 h 1 m	0 h 23 m	500 m		Harrington Point 181° x 0.06'L
WP006	Spit Tide Gauge Pile	45° 47.17063'S	170° 43.28311'E	193°	0.60 NM	4.19 NM	12.0 kn	0 h 3 m	0 h 26 m	1000 m	20°	
WP007	Harrington Bend	45° 47.73455'S	170° 43.09572'E	268°	0.80 NM	4.99 NM	12.0 kn	0 h 4 m	0 h 30 m	1100 m	20°	
WP008	Cross Channel East	45° 47.76073'S	170° 42.00155'E	283°	1.40 NM	6.39 NM	10.0 kn	0 h 8 m	0 h 38 m	1000 m		Bcn no. 11 283° x 0.07'R
WP009	Cross Channel West	45° 47.45124'S	170° 40.11388'E	231°	0.70 NM	7.09 NM	8.0 kn	0 h 5 m	0 h 43 m	1730 m		Bcn no. 15 231° x 0.06'R
WP010	Pulling Point(Tug Meeting Pt)	45° 47.89481'S	170° 39.31109'E	263°	0.60 NM	7.69 NM	8.0 kn	0 h 4 m	0 h 47 m	1500 m	10°	Acheron Point 263° x 0.07'R
WP011	Acheron Point	45° 47.96236'S	170° 38.48544'E	241°	0.42 NM	8.11 NM	6.0 kn	0 h 4 m	0 h 51 m	1900 m		
WP012	Deborah Bend	45° 48.16202'S	170° 37.95941'E	198°	0.37 NM	8.48 NM	6.0 kn	0 h 4 m	0 h 55 m	1000 m	11°	
WP013	Multi-Purpose North End	45° 48.51790'S	170° 37.79359'E	168°	0.30 NM	8.78 NM	6.0 kn	0 h 3 m	0 h 58 m	500 m		Bcn no. 26 168° x 0.12' L
WP014	Beach Street North End	45° 48.81490'S	170° 37.88001'E	180°	0.35 NM	9.13 NM	8.0 kn	0 h 5 m	1 h 03 m	500 m		Bcn no. 28 180° x 0.08' L
WP015	Back Beach	45° 49.16624'S	170° 37.88010'E	192°	0.25 NM	9.38 NM	8.0 kn	0 h 2 m	1 h 05 m	1800 m	8°	Bcn no. 32 192° x 0.04' L
WP016	Halfway Islands North	45° 49.41387'S	170° 37.80621'E	213°	0.30 NM	9.68 NM	8.0 kn	0 h 2 m	1 h 07 m	1000 m	15°	Qn Is bcn no. 2 213° x 0.036' L
WP017	Halfway Islands South	45° 49.66638'S	170° 37.57288'E	234°	0.13 NM	9.81 NM	8.0 kn	0 h 1 m	1 h 08 m	500 m		
WP018	Bcn 2A leading Front light	45° 49.74593'S	170° 37.41666'E	264°	0.70 NM	10.51 NM	8.0 kn	0 h 04 m	1 h 12 m	500 m		Bcn no. 3 264° x 0.04 R
WP019	Bcn No. 7	45° 49.81210'S	170° 36.45827'E	242°	0.21 NM	10.71 NM	10.0 kn	0 h 03 m	1 h 15 m	1800 m	10°	Bcn no. 8A 242° x 0.03L
WP020	Kilgours Point	45° 49.91150'S	170° 36.18420'E	243°	0.15 NM	10.86 NM	10.0 kn	0 h 01 m	1 h 16 m	500 m	20°	Bcn no.12 244° x 0.03L
WP021	Eastern Channel	45° 49.97900'S	170° 35.99491'E	244°	0.26 NM	11.12 NM	10.0 kn	0 h 02 m	1 h 18 m	1800 m	10°	Bcn no. 12 244° x 0.03' L
WP022	Bcn No. 15	45° 50.09398'S	170° 35.65718'E	233°	0.14 NM	11.26 NM	10.0 kn	0 h 01 m	1 h 19 m	500 m	10°	Bcn no. 15 233° x 0.03' R
WP023	Bcn No. 19	45° 50.17766'S	170° 35.49897'E	213°	0.21 NM	11.47 NM	10.0 kn	0 h 01 m	1 h 20 m	500 m		Bcn no. 19 213° x 0.03' R
WP024	Bcn No. 23	45° 50.35710'S	170° 35.33363'E	197°	0.28 NM	11.75 NM	8.0 kn	0 h 02 m	1 h 22 m	1800 m		Bcn no. 23 197° x 0.03' R
WP025	Bcn No. 27	45° 50.62775'S	170° 35.21381'E	199°	0.14 NM	11.89 NM	8.0 kn	0 h 02 m	1 h 24 m	500 m		Bcn no. 27 199° x 0.03' R
WP026	Bcn No. 29	45° 50.76165'S	170° 35.14688'E	203°	0.17 NM	12.06 NM	8.0 kn	0 h 03 m	1 h 27 m	1800 m		Bcn no. 29 203° x 0.03' R
WP027	Bcn No. 30	45° 50.92324'S	170° 35.04876'E	207°	0.09 NM	12.15 NM	8.0 kn	0 h 01 m	1 h 28 m	500 m		Bcn no. 30 207° x 0.03' L
WP028	Bcn No. 31	45° 51.00201'S	170° 34.99076'E	210°	0.28 NM	12.43 NM	8.0 kn	0 h 02 m	1 h 30 m	500 m		Bcn no. 31 210° x 0.03' R
WP029	Bcn No. 35	45° 51.24289'S	170° 34.79189'E	211°	0.32 NM	12.75 NM	8.0 kn	0 h 02 m	1 h 32 m	500 m		Bcn no. 35 211° x 0.03' R
WP030	Bcn No. 39	45° 51.51521'S	170° 34.55555'E	213°	0.11 NM	12.86 NM	8.0 kn	0 h 01 m	1 h 33 m	500 m		Bcn no. 39 213° x 0.03' R
WP031	Burkes	45°51.61184'S	170° 34.46511'E	219°	0.09 NM	12.95 NM	8.0 kn	0 h 01 m	1 h 34 m	500 m		
WP032	Bcn No. 41	45° 51.67962'S	170° 34.38564'E	223°	0.1 NM	12.96 NM	8.0 kn	0 h 01 m	1 h 35 m	500 m		Bcn no. 41 223° x 0.04' R
WP033	Midway	45° 51.75229'S	170° 34.28881'E	227°	0.11 NM	13.07 NM	8.0 kn	0 h 02 m	1 h 37 m	500 m		
WP034	Bcn No. 43	45° 51.82559'S	170° 34.17493'E	237°	0.13 NM	13.20 NM	8.0 kn	0 h 01 m	1 h 38 m	500 m		Bcn no. 43 237° x 0.04' R
WP035	Bcn No. 45	45° 51.89615'S	170° 34.01721'E	241°	0.2 NM	13.40 NM	8.0 kn	0 h 02 m	1 h 40 m	500 m		Bcn no. 45 241° x 0.04' R
WP036	Bcn No. 47	45° 51.99568'S	170° 33.75986'E	244°	0.11 NM	13.51 NM	8.0 kn	0 h 01 m	1 h 41 m	500 m		Bcn no. 47 244° x 0.04' R
WP037	Bcn No. 49	45° 52.04609'S	170° 33.61287'E	246°	0.11 NM	13.62 NM	8.0 kn	0 h 01 m	1 h 42 m	500 m		Bcn no. 49 246° x 0.04' R
WP038	Bcn No. 51	45° 52.09065'S	170° 33.46938'E	249°	0.12 NM	13.74 NM	8.0 kn	0 h 01 m	1 h 43 m	500 m		Bcn no. 51 249° x 0.04' R
WP039	Bcn No. 53	45° 52.13303'S	170° 33.31281'E	251°	0.17 NM	13.90 NM	6.0 kn	0 h 01 m	1 h 44 m	500 m		Bcn no. 53 251° x 0.03' R
WP040	Bcn No. 55	45° 52. 18591'S	170° 33.08601'E	253°	0.48 NM	14.38 NM	5.0 kn	0 h 06 m	1 h 50 m	500 m		Bcn no. 55 253° x 0.03' R
WP041	Bcn No. 59	45° 52.32574'S	170° 32.41957'E	251°	0.16 NM	14.54 NM	5.0 kn	0 h 02 m	1 h 52 m	500 m		Bcn no. 59 251° x 0.03' R
WP042	Bcn No. 61	45° 52.37798'S	170° 32.19505'E	253°	0.39 NM	14.93 NM	5.0 kn	0 h 05 m	1 h 57 m	500 m		Bcn no. 61 253° x 0.02' R
WP043	Bcn No. 67	45° 52.49330'S	170° 31.65496'E	260°	0.36 NM	15.29 NM	4.0 kn	0 h 05 m	2 h 02 m	500 m		Bcn no. 67 260° x 0.03' R
WP044	Dunedin Swing Basin	45° 52.55545'S	170° 31.14013'E									

PORT OTAGO PASSAGE PLAN

OUTBOUND DUNEDIN to PBG ALPHA

WP	REMARK	LATITUDE	LONGITUDE	Co.	DIST	DIST	SPEED	TIME	Tot.TIME	RAD	ROT	PARALLEL INDEX
WP044	Dunedin Swing Basin	45° 52.55545'S	170° 31.14013'E	080°	0.36 NM	0.36 NM	4.0 kn	0 h 05 m	0 h 05 m	500 m		
WP043	Bcn No. 67	45° 52.49330'S	170° 31.65496'E	073°	0.39 NM	0.75 NM	5.0 kn	0 h 05 m	0 h 10 m	500 m		Bcn no. 67 260° x 0.03' L
WP042	Bcn No. 61	45° 52.37798'S	170° 32.19505'E	071°	0.16 NM	0.91 NM	5.0 kn	0 h 02 m	0 h 12 m	500 m		Bcn no. 61 253° x 0.02' L
WP041	Bcn No. 59	45° 52.32574'S	170° 32.41957'E	073°	0.48 NM	1.39 NM	5.0 kn	0 h 06 m	0 h 18 m	500 m		Bcn no. 59 251° x 0.03' L
WP040	Bcn No. 55	45° 52.18591'S	170° 33.08601'E	071°	0.17 NM	1.56 NM	6.0 kn	0 h 01 m	0 h 19 m	500 m		Bcn no. 55 253° x 0.03' L
WP039	Bcn No. 53	45° 52.13303'S	170° 33.31281'E	069°	0.12 NM	1.68 NM	8.0 kn	0 h 01 m	0 h 20 m	500 m		Bcn no. 53 251° x 0.03' L
WP038	Bcn No. 51	45° 52.09065'S	170° 33.46938'E	066°	0.11 NM	1.79 NM	8.0 kn	0 h 01 m	0 h 21 m	500 m		Bcn no. 51 249° x 0.04' L
WP037	Bcn No. 49	45° 52.04609'S	170° 33.61287'E	064°	0.11 NM	1.90 NM	8.0 kn	0 h 01 m	0 h 22 m	500 m		Bcn no. 49 246° x 0.04' L
WP036	Bcn No. 47	45° 51.99568'S	170° 33.75986'E	061°	0.2 NM	2.10 NM	8.0 kn	0 h 02 m	0 h 24 m	500 m		Bcn no. 47 244° x 0.04' L
WP035	Bcn No. 45	45° 51.89615'S	170° 34.01721'E	057°	0.13 NM	2.23 NM	8.0 kn	0 h 01 m	0 h 25 m	500 m		Bcn no. 45 241° x 0.04' L
WP034	Bcn No. 43	45° 51.82559'S	170° 34.17493'E	047°	0.11 NM	2.34 NM	8.0 kn	0 h 02 m	0 h 27 m	500 m		Bcn no. 43 237° x 0.04' L
WP033	Midway	45° 51.75229'S	170° 34.28881'E	043°	0.1 NM	2.44 NM	8.0 kn	0 h 01 m	0 h 28 m	500 m		
WP032	Bcn No. 41	45° 51.67962'S	170° 34.38564'E	039°	0.09 NM	2.53 NM	8.0 kn	0 h 01 m	0 h 29 m	500 m		Bcn no. 41 223° x 0.04' L
WP031	Burkes	45°51.61184'S	170° 34.46511'E	033°	0.11 NM	2.66 NM	8.0 kn	0 h 01 m	0 h 30 m	500 m		
WP030	Bcn No. 39	45° 51.51521'S	170° 34.55555'E	031°	0.32 NM	2.98 NM	8.0 kn	0 h 02 m	0 h 32 m	500 m		Bcn no. 39 213° x 0.03' L
WP029	Bcn No. 35	45° 51.24289'S	170° 34.79189'E	030°	0.28 NM	3.26 NM	8.0 kn	0 h 02 m	0 h 34 m	500 m		Bcn no. 35 211° x 0.03' L
WP028	Bcn No. 31	45° 51.00201'S	170° 34.99076'E	027°	0.09 NM	3.35 NM	8.0 kn	0 h 01 m	0 h 35 m	500 m		Bcn no. 31 210° x 0.03' L
WP027	Bcn No. 30	45° 50.92324'S	170° 35.04876'E	023°	0.17 NM	3.52 NM	8.0 kn	0 h 03 m	0 h 38 m	1800 m		Bcn no. 30 207° x 0.03' L
WP026	Bcn No. 29	45° 50.76165'S	170° 35.14688'E	019°	0.14 NM	3.66 NM	8.0 kn	0 h 02 m	0 h 40 m	500 m		Bcn no. 29 203° x 0.03' L
WP025	Bcn No. 27	45° 50.62775'S	170° 35.21381'E	017°	0.28 NM	3.94 NM	8.0 kn	0 h 02 m	0 h 42 m	1800 m		Bcn no. 27 199° x 0.03' L
WP024	Bcn No. 23	45° 50.35710'S	170° 35.33363'E	033°	0.21 NM	4.15 NM	10.0 kn	0 h 01 m	0 h 43 m	500 m		Bcn no. 23 197° x 0.03' L
WP023	Bcn No. 19	45° 50.17766'S	170° 35.49897'E	053°	0.14 NM	4.29 NM	10.0 kn	0 h 01 m	0 h 44 m	500 m		Bcn no. 19 213° x 0.03' L
WP022	Bcn No. 15	45° 50.09398'S	170° 35.65718'E	064°	0.26 NM	4.55 NM	10.0 kn	0 h 02 m	0 h 46 m	1800 m	10°	Bcn no. 15 233° x 0.03' L
WP021	Eastern Channel	45° 49.97900'S	170° 35.99491'E	063°	0.15 NM	4.70 NM	10.0 kn	0 h 01 m	0 h 47 m	500 m	10°	Bcn no. 12 244° x 0.03' R
WP020	Kilgours Point	45° 49.91150'S	170° 36.18420'E	062°	0.21 NM	4.91 NM	10.0 kn	0 h 03 m	0 h 50 m	1800 m	20°	Bcn no.12 244° x 0.03 R
WP019	Bcn No. 7	45° 49.81210'S	170° 36.45827'E	084°	0.70 NM	5.61 NM	8.0 kn	0 h 04 m	0 h 54 m	500 m	10°	Bcn no. 8A 242° x 0.03 R
WP018	Bcn 2A leading Front light	45° 49.74593'S	170° 37.41666'E	054°	0.13 NM	5.74 NM	8.0 kn	0 h 1 m	0 h 55 m	500 m		Bcn no. 3 264° x 0.04 L
WP017	Halfway Islands South	45° 49.66638'S	170° 37.57288'E	033°	0.30 NM	6.04 NM	8.0 kn	0 h 2 m	0 h 57 m	1000 m	15°	Q Is bcn no. 2 213° x 0.036' L
WP016	Halfway Islands North	45° 49.41387'S	170° 37.80621'E	012°	0.25 NM	6.29 NM	8.0 kn	0 h 2 m	0 h 59 m	1800 m	8°	Bcn no. 32 192° x 0.04' R
WP015	Back Beach	45° 49.16624'S	170° 37.88010'E	000°	0.35 NM	6.64 NM	8.0 kn	0 h 5 m	1 h 04 m	500 m		Bcn no. 28 180° x 0.08' R
WP014	Beach Street North End	45° 48.81490'S	170° 37.88001'E	348°	0.30 NM	6.94 NM	6.0 kn	0 h 3 m	1 h 07 m	500 m		Bcn no. 26 168° x 0.12' R
WP013	Multi-Purpose North End	45° 48.51790'S	170° 37.79359'E	018°	0.37 NM	7.31 NM	6.0 kn	0 h 4 m	1 h 11 m	1000 m		
WP012	Deborah Bend	45° 48.16202'S	170° 37.95941'E	061°	0.42 NM	7.73 NM	6.0 kn	0 h 4 m	1 h 15 m	1900 m	11°	
WP011	Acheron Point	45° 47.96236'S	170° 38.48544'E	083°	0.60 NM	8.33 NM	8.0 kn	0 h 4 m	1 h 19 m	1500 m		Acheron Point 083° x 0.07'L
WP010	Pulling Point(Tug Meeting Pt)	45° 47.89481'S	170° 39.31109'E	051°	0.70 NM	9.03 NM	8.0 kn	0 h 5 m	1 h 24 m	1730 m	10°	Bcn no. 15 052° x 0.06'L
WP009	Cross Channel West	45° 47.45124'S	170° 40.11388'E	103°	1.40 NM	10.43 NM	10.0 kn	0 h 8 m	1 h 32 m	1000 m		Bcn no. 11 103° x 0.07'L
WP008	Cross Channel East	45° 47.76073'S	170° 42.00155'E	088°	0.80 NM	11.23 NM	12.0 kn	0 h 4 m	1 h 36 m	1100 m		
WP007	Harrington Bend	45° 47.73455'S	170° 43.09572'E	013°	0.60 NM	11.83 NM	12.0 kn	0 h 3 m	1 h 39 m	1000 m		
WP006	Spit Tide Gauge Pile	45° 47.17063'S	170° 43.28311'E	001°	0.17 NM	12.00 NM	12.0 kn	0 h 1 m	1 h 40 m	500 m	20°	Harrington Point 001° x 0.06'R
WP005	Harrington Point	45° 46.99726'S	170° 43.28844'E	001°	0.32 NM	12.32 NM	12.0 kn	0 h 2 m	1 h 42 m	500 m	20°	Harrington Point 001° x 0.06'R
WP004	Pilots Beach	45° 46.67528'S	170° 43.29670'E	006°	1.10 NM	13.42 NM	12.0 kn	0 h 5 m	0 h 47 m	500 m		Howletts point 006° x 0.13'R
WP003	North Approach	45° 45.60344'S	170° 43.46250'E	001°	0.54 NM	13.96 NM	12.0 kn	0 h 3 m	1 h 50 m	500 m		FWB 001° x 0.09' R
WP002	Fairway Beacon	45° 45.06463'S	170° 43.47662'E	006°	1.5 NM	15.46 NM	12.0 kn	0 h 7 m	1 h 57 m	500 m		FWB 006° x 0.09' R
WP001	Pilot Boarding Ground BRAVO	45° 43.60788'S	170° 43.71355'E	045°	1.10 NM	9.90 NM	12.0 kn	0 h 5 m	2 h 02 m	1195 m		
WP000	Pilot Boarding Ground ALPHA	45° 42.83234'S	170° 44.80986'E									