

Prince William Sound Potential Places of Refuge
Site Assessment Matrix

PPOR ID#	Map #	Location Name	Latitude	Longitude	Size of vessels Available (ft.)	Swing Room / Dock Face	Bottom Type	Exposure to	Conflicting Uses	Ability to Boom/GRS	Sensitive Resources	Dist. to Population Center (nm)	Dist. Alt. PPOR (nm)
Potential Places of Refuge for DEEP DRAFT large vessel exceeding 20,000 Gross Tons													
A03	Map-01	Gold Creek Anchorage	61 07.64	146 27.05	D	1100	M	S,W,E	R,SF,S,AQ	B,G	R	V-2.75	2.7 A04
D06	Map-01	Valdez Container Terminal	61 07.28	146 18.48	D	700		S,W	C/I, AQ	B	R	V-0	0.2 A04
D08	Map-01	Valdez Marine Terminal-#1	61 05.40	146 24.21	D	390		N,W	C/I, AQ	B	R	V-2.75	0.7 M12
D09	Map-01	Valdez Marine Terminal-#3	61 05.39	146 23.04	D	122		N,W	C/I, AQ	B	R	V-0	0.7 M12
D10	Map-01	Valdez Marine Terminal-#4	61 05.33	146 23.74	D	122		N,W	C/I, AQ	B	R	V-0	0.7 M12
D11	Map-01	Valdez Marine Terminal-#5	61 05.40	146 24.22	D	122		N,W	C/I, AQ	B	R	V-0	0.7 M12
A13	Map-02	North Jack Bay Anchorage	61 02.41	146 37.30	D	1200	M	E	S,CF,A,SF,R	B,G	H,I	V-12.5, T-13.7	6.4 A02
A14	Map-02	South Jack Bay Anchorage	61 01.98	146 37.49	D	1800	M	E	S,CF,A,SF,R	B,G	H,I	V-12.5, T-13.7	6.4 A02
A21	Map-04	Knowles Head Anchorage	60 38.85	146 36.75	D	6500	M,C	S,W,E	C/I		R	T-16	13.4 A19
A28	Map-07	Port Etches Anchorage	60 20.59	146 33.84	D	2300	C	E,W	S,CF,R	B,G	H,M	C-49	12.5 A29
A29	Map-07	Zaikof Bay Anchorage	60 19.42	146 57.98	D	5000	M	NE	A,CF,R	B,G	H,I	C-47, CH-43	12.5 A28
M30	Map-07	Port Etches Moorage	60 20 39	146 33.20	D	2300		E,W	S,CF,R	B	H,I	C-49	12.5 A28
A31	Map-08	Macleod Harbor Anchorage	59 52.93	147 47.06	D	1600	M,S	SW	S,A,CF,R	B,G	R	CH-21	19.5 A32
A36	Map-11	North Smith Island Anchorage	60 31.90	147 22.67	D	1900	M	N,E,W	S		R	CH-36, W-44, V-48	7.0 A37
A37	Map-11	Outside Bay Anchorage	60 38.26	147 29.48	D	1750	M	E	CF	B,G	H,R	W-37, V-47, T-31	7.0 A36
A38	Map-11	McPherson Bay Anchorage	60 40.65	147 21.79	D	1750	M	NE	R	B	R	T-24.5, V-41, W-41	9.5 A36
A42	Map-12	Pigot Bay Anchorage	60 50.76	148 22.42	D	1300	M	E	CF,R,AQ	B	I	W-15	10.5 A40
D43	Map-12	Whittier Cruise Ship Dock	60 46.71	148 41.83	D	660		NE	C/I,R,AQ	B	R	W-0	3.2 A41
D44	Map-12	DeLong Pier	60 46.71	148 40.05	D	425		NE	C/I,R,AQ	B	R	W-0	3.0 A41
A47	Map-13	South College Fjord Anchorage	61 03.53	147 56.59	D	1850	M	N,S	A,SF,CF,R	B	M	W-30.5	14 A46
A48	Map-13	North College Fjord Anchorage	61 06.53	147 55.71	D	3200	M	N,S	A,SF,CF,R	B	M	W-33.3	15 A46
Potential Places of Refuge for LIGHT DRAFT medium sized vessel 300 to 19,999 Gross Tons													
A01	Map-01	West Sawmill Spit Anchorage	61 05.39	146 25.79	L	1200	M,G	N,W	R,AQ	B,G	I	V-3.0	0.7 D08
D04	Map-01	Valdez City Dock	61 07.39	146 21.69	L	600		S,W	C/I,SF,AQ	B	R	V-0	0.2 D05
D05	Map-01	SERVS Dock	61 07.39	146 21.45	L	560		S,W	C/I, AQ	B	R	V-0	0.2 A04
D07	Map-01	Valdez Petroleum Terminal	61 07.40	146 21.45	L	200		W	C/I, AQ	B	R	V-0	0.5 A01
M12	Map-01	SERVS Buoys in Port Valdez	61 06.41	146 16.42	L	2000		W	C/I, AQ	B	R	V-2.0	1.4 D07
A15	Map-03	Black Point/Tatitlek Narrows Anchorage	60 54.93	146 45.00	L	1800	H,G	NW	CF,S,R,AQ	B,G	H,I	T-3.7	3.6 D18
A16	Map-03	Boulder Bay/Tatitlek Anchorage	60 51.35	146 40.04	L	1400	M	S	SF,S,R,AQ	B,G	H,R	T-.5	0.8 D18
A19	Map-04	East Two Moon Bay Anchorage	60 45.41	146 32.88	L	1200	M	N	CF,R	B,G	I	T-7.6	8.0 A16
A20	Map-04	West Two Moon Bay Anchorage	60 45.24	146 33.63	L	1300	M	N	CF,R	B,G	I	T-7.6	8.0 A16
A22	Map-05	Sheep Bay Anchorage	60 38.16	146 02.42	L	3600	M	SW	R,S,CF	B,G	I	C-14.5	13.5 A23
A23	Map-05	Nelson Bay Anchorage	60 39.01	145 39.36	L	3000	M	SW	R	B	I	C-6.5	8.0 A24
A24	Map-06	Spike Island Anchorage	60 33.11	145 46.25	L	550	M,S	NE	R, AQ		R	C-.3	0.2 D08
D25	Map-06	Cordova City Dock	60 32.92	145 45.99	L	300		NE	C/I, R,S,AQ	B	R	C-0	0.2 A24
D26	Map-06	Cordova Municipal Dock	60 33.46	145 45.32	L	408		N,W,S	C/I, R,S,AQ	B	R	C-0	0.2 A24
D27	Map-06	Cordova T-Dock	60 32.89	145 46.07	L	263		N,W,S	C/I, R,S,AQ	B	R	C-0	0.2 A24
A32	Map-09	West Sawmill Bay Anchorage	60 03.19	148 03.17	L	875	M,SH,R		CF,R,AQ	B	I	CH-1.4	1.0 D34
A33	Map-09	East Sawmill Bay Anchorage	60 03.50	148 02.23	L	750	M,SH		CF,R,AQ	B	I	CH-1.4	1.5 D34
D34	Map-09	Chenga Ferry/Tramper Dock	60 03.73	148 00.80	L	300		E	C/I, R,CF,AQ	B	R	CH-0	1.0 A32
A35	Map-10	Snug Harbor Anchorage	60 14.77	147 43.30	L	2000	G	E	S	B	R	CH-18.5	16.8 A32
A56	Map-11	Bass Harbor Anchorage	60 37.88	147 24.18	L	500	M	S,SE	CF	B,G	R	CH-42, V-54, W-44, T-40	5.6 A37
A57	Map-11	South Smith Island Anchorage	60 30.98	147 21.84	L	1000	M	W,SW,E	S		R	W-37, V-47, T-31	7.0 A36
M39	Map-11	Outside Bay Moorage	60 38.07	147 28.82	L	1400		W	CF	B,G	H,R	W-37, V-47, T-31	7.0 A36
A41	Map-12	Bush Banks Anchorage	60 48.17	148 35.95	L	1200	M	N,W	R,A	B	R	W-3.2	2.4 A40
D45	Map-12	Whittier Ferry Dock	60 46.61	148 40.45	L	200		NE	C/I,R	B	R	W-0	3.0 A41
A46	Map-13	Barry Arm Anchorage	61 06.56	148 10.35	L	1750	M		R	B	M	W-31.5	14 A47

Table H-2. Site assessment matrix for Potential Places of Refuge in the Prince William Sound Subarea (page 1 of 2).

Prince William Sound Potential Places of Refuge
Site Assessment Matrix

PPOR ID#	Map #	Location Name	Latitude	Longitude	Size of vessels	Available Swing Room (ft.)/Dock Face	Bottom Type	Exposure to	Conflicting Uses	Ability to Boom/GRS	Sensitive Resources	Dist. to Population Center (nm)	Dist. Alt. PPOR (nm)
A49	Map-14	Unakwik Inlet-Siwash Bay Anchorage	60 57.90	147 36.32	L	2000	M	N,S	CF,R,AQ	B	I	W-43.3,V-48.8	20.5 M39
A50	Map-14	North Unakwik Inlet Anchorage	61 00.63	147 31.84	L	650	M	N,S	CF,R,AQ	B	I	W-45.5,V-50.3	23 M39
A51	Map-15	Heather Bay Anchorage	60 59.02	147 00.15	L	1650	M	SE	R,CF	B	R	T-16,V-34	6.5 D52
A53	Map-16	Okalee Channel Anchorage	60 03.36	144 23.92	L	1150	H	W	CF,R	B,G	H,I	C- 62	4.4 A54
A54	Map-16	Kayak Entrance Anchorage	59 59.07	144 24.91	L	2700	H	W	CF,R	B,G	R	C- 64	4.4 A53
An incomplete list of Potential Places of Refuge for SHALLOW DRAFT small sized vessel less than 300 Gross Tons													
A02	Map-01	Anderson Bay Anchorage	61 04.83	146 33.84	S	1200	M	N,E,W	R,AQ	B,G	I	V-6.5	4.0 A01
A17	Map-03	South Bligh Island Anchorage	60 47.68	146 48.46	S	1500	M,S	S,SW,SE	S,AQ	G	M	T-6.6	6.3 A16
D18	Map-03	Tatitlek Ferry Dock	60 51.69	146 41.06	S	513		S	R,S,CF,AQ	B,G	H,R	T-0	0.8 A16
A40	Map-12	Shotgun Cove Anchorage	60 47.76	148 33.01	S	700	M	N	R,A	B	R	W-5.7	2.4 A41
A58	Map-15	Chamberlain Bay Anchorage	60 52.55	147 11.19	S	600	M		R	B		T-19.5, V-32	6.5 A51
An incomplete list of Potential Grounding Sites													
G55	Map-01	Lowe River mud flats	61 05.48	146 16.30	N/A	N/A	M,G	S,W,E	R,SF,S,AQ	B,G	R	V-3.0	1.4 M12
G56	Map-01	Gold Creek	61 07.76	146 28.02	N/A	N/A	S	S,W,E	R,SF,S,AQ	B,G	R	V-2.75	2.7 A04
G57	Map-01	Saw Mill Spit	61 05.13	146 25.89	N/A	N/A	S,G	N,E,W	R,SF,S,C/I,AQ	B,G	I	V-3.0	0.7 A08
G58	Map-01	Old Valdez Town Site	61 06.94	146 16.63	N/A	N/A	M,G	S,W,E	R,C/I,AQ	B,G	I	V-2.25	0.5 M12
G59	Map-02	North Side of Jack Bay	61 02.42	146 35.47	N/A	N/A	S,G	E	S,CF,A,SF,R	B,G	H,I	V-12.5, T-13.7	6.4 A02
G60	Map-03	Sac Bay/North of Galena Bay	60 58.79	146 42.46	N/A	N/A	S,G	E	R,AQ	B	I	V-15,T-9.5	5.4 A13
G61	Map-04	Red Head	60 40.68	146 28.32	N/A	N/A	M,G	S	C/I	B	I	T-20	3.0 A21
G62	Map-11	Outside Bay	60 37.81	147 27.87	N/A	N/A	M,G	W	CF	B,G	H,R	W-37, V-47,T-31	7.0 A36
G63	Map-07	Port Etches	60 19.46	146 34.14	N/A	N/A	S,G	W	S,CF,R	B,G	H,M	C-49	12.5 A29
G65	Map-13	Point Pakenham	61 00.01	148 04.01	N/A	N/A	M,G	S,W,E	A,SF,CF,R		M	W-27.8	5.25 A47
G66	Map-13	Coghill Point	61 03.66	147 55.74	N/A	N/A	M,G	S	A,SF,CF,R	B	M	W-33.3	0.5 A47
G67	Map-12	Head of Passage Canal	60 46.62	148 42.84	N/A	N/A	G	NE	SF,CF,R	B	M	W-0	0.5 D43

Reference: Southwest Alaska Pilots Association, teleconference and correspondence, June, 2004

Reference: Alaska Department of Environmental Conservation, Prince William Sound Geographic Response Strategies Site Selection Matrix, February 20, 2004

Reference: Geographic Resource Database, Alyeska Pipeline Service Company, Applied Science Associates, SLR Alaska, January 2003

Reference: USCG, Prince William Sound Marine Firefighting and Prevention Plan, Revision 2, March 2004

Table H-2. Site assessment matrix for Potential Places of Refuge in the Prince William Sound Subarea (page 2 of 2).