

Key to PWS Potential Places of Refuge Site Assessment Matrix

Maximum Vessel Size	Swing Room/ Dock Face (ft.)	Bottom Type	Exposure to Winds and Seas	Conflicting Uses	Spill Response	Environmental Sensitivities	Distance by Water to Nearest Population Center (nm)	Distance by Water to Alternate Places of Refuge (nm)
L = LARGE vessel that exceed 20,000 Gross Tons, has drafts of 25-60 ft. and range from 450 ft.- 1000 ft. LOA, typical of Tankers/Cruiseships	Distance measured to nearest shoal waters or hazard	M= Mud	Exposed to winds/seas from the direction noted	CF=Commercial Fishing	B=Vessel can likely be surrounded by oil spill containment boom at this location	C=Cultural Resources are present in the area	V=Valdez	A=Anchorage
M = MEDIUM sized vessels of 300 to 19,999 Gross Tons, has drafts up to 25 ft., LOA of up to 450 ft., typical of Ferrys/Trampers		R= Rocky		SF=Sport fishing	G= Geographic Response Strategy in the area	E=Threatened or Endangered Species present	C=Cordova	D=Dock/Pier
S = SMALL sized vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft., typical of Excursion/Fishing vessels		G= Gravel		AQ= Aquaculture		H=Highly Sensitive as designated by the PWS GRS Workgroup (see Section G, Part I)	W=Whittier	M=Mooring
		C= Clay		R=Recreational			T=Tatitlik	
		S= Sand		C/I=Commercial/Industrial			Ch=Chenega	
		H= Hard		A= Anchorage				
		SH=Shells		S=Subsistence Activities				

Table H-1. Key to codes used in Table H-2.

ID#	Map #	Location	Latitude	Longitude	Maximum Vessel Size	Swing Room/Dock Face (ft.)	Bottom Type	Exposure to Winds and Seas	Conflicting Uses	Spill Response	Environmental Sensitivities*	Distance by Water to Nearest Population Center (nm)	Distance by Water to Alternate Places of Refuge (nm)
Potential Places of Refuge for any size vessel, including LARGE vessels exceeding 20,000 Gross Tons													
A-03	POR-01	Gold Creek Anchorage	61 07.64	146 27.05	L	1100	M	S,W,E	R,SF,S	B,G		2 to V	2 to D-01
A-04	POR-02	North Jack Bay Anchorage	61 02.41	146 37.30	L	1200	M	W	S,CF,A,SF,R	B,G	H,C	14.5 to V	6 to A-02
A-05	POR-02	South Jack Bay Anchorage	61 01.98	146 37.49	L	1800	M	W	S,CF,A,SF,R	B,G	H,C	14.5 to V	6 to A-02
A-11	POR-04	Knowles Head Anchorage	60 38.85	146 36.75	L	6500	M,C	S,W,E	C/I			16 to T, 35 to C, 47 to V	13 to A-08
A-15	POR-07	Port Etches Anchorage	60 20.59	146 33.84	L	2300	C	SW	S,CF,R	B,G	H,C	55 to C, 63 to CH	14 to A-16
A-16	POR-07	Zaikof Bay Anchorage	60 19.42	146 57.98	L	5000	M	NE	A,CF,R	B,G	H,C	53 to C, 43 to CH	14 to A-15
A-17	POR-08	Macleod Harbor Anchorage	59 52.93	147 47.06	L	1600	M,S	W	S,A,CF,R	B,G		20 to CH	20 to A-18
A-21	POR-11	North Smith Island Anchorage	60 31.90	147 22.67	L	1900	M	NE,SW	S, R			43 to CH, 44 to W, 48 to V	8 to A-22
A-22	POR-11	Outside Bay Anchorage	60 38.26	147 29.48	L	1750	M	NE,SW	CF	B,G	H	37 to W, 47 to V, 31 to T	14 to A-23
A-23	POR-11	McPherson Harbor Anchorage	60 40.65	147 21.79	L	1750	M	NW	R	B		24.5 to T, 41 to V, 41 to T	14 to A-22
A-26	POR-12	Pigot Bay Anchorage	60 50.76	148 22.42	L	1300	M	E	CF,R	B		15 to W	10.5 to A-24
A-28	POR-13	South College Fiord Anchorage	61 03.53	147 56.59	L	1850	M	NE,SW	A,SF,CF,R	B		36 to W	14 to A-27
A-29	POR-13	North College Fiord Anchorage	61 06.53	147 55.71	L	3200	M	NE,SW	A,SF,CF,R	B		39 to W	22 to A-27
D-03	POR-01	Valdez Container Terminal	61 07.28	146 18.48	L	700		S,W	C/I	B		0 to V	0.5 to D-01
D-05	POR-01	Valdez Marine Terminal-#1	61 05.40	146 24.21	L	390		N,W	C/I	B		3 to V	2 to A-03
D-06	POR-01	Valdez Marine Terminal-#3	61 05.39	146 23.04	L	122		N,W	C/I	B		0 to V	2 to A-03
D-07	POR-01	Valdez Marine Terminal-#4	61 05.33	146 23.74	L	122		N,W	C/I	B		0 to V	2 to A-03
D-08	POR-01	Valdez Marine Terminal-#5	61 05.40	146 24.22	L	122		N,W	C/I	B		0 to V	2 to A-03
D-13	POR-12	Whittier Cruise Ship Dock	60 46.71	148 41.83	L			NE,SW	C/I,R, SF	B		0 to W	5.5 to A-25
D-15	POR-12	DeLong Pier	60 46.71	148 40.05	L	425		W	C/I,R, SF	B		0 to W	5.5 to A-24
M-02	POR-07	Port Etches Moorage	60 20.59	146 33.84	L	2300		SW	S,CF,R	B	H,C	49 to C, 45 to CH	14 to A-16
Potential Places of Refuge for vessels up to MEDIUM vessels (less than 20,000 Gross Tons)													
A-01	POR-01	West Sawmill Spit Anchorage	61 05.39	146 25.79	M	1200	M	N,E,W	R	B,G		3.5 to V	0.7 to D-05
A-06	POR-03	Black Point/Tatitlek Narrows Anchorage	60 54.93	146 45.00	M	1800	H	W	CF,S,R	B,G	H,C	3.5 to T	5 to A-07
A-07	POR-03	Boulder Bay/Tatitlek Anchorage	60 51.35	146 40.04	M	1400	M	S	SF,S,R	B,G	H	0 to T	5 to A-06
A-09	POR-04	East Two Moon Bay Anchorage	60 45.24	146 33.63	M	1200	M	N	CF,R	B,G		9 to T, 53 to C, 43 to V	8.5 to A-07
A-10	POR-04	West Two Moon Bay Anchorage	60 45.41	146 32.88	M	1300	M	N	CF,R	B,G		9 to T, 53 to C, 43 to V	8.5 to A-07
A-12	POR-05	Sheep Bay Anchorage	60 38.16	146 02.42	M	3600	M	SW	R,S,CF	B,G	C	17 to C	13.5 to A-13
A-13	POR-05	Nelson Bay Anchorage	60 39.01	145 39.36	M	3000	M	SW	R	B		7.5 to C	8.0 to A-14
A-14	POR-06	Spike Island Anchorage	60 33.11	145 46.25	M	550	M,S	NE,SW	R, SF			0 to C	7.5 to A-13
A-18	POR-09	West Sawmill Bay Anchorage	60 03.19	148 03.17	M	875	M	NE,SW	CF,R	B		1 to CH	1.0 to D-12
A-19	POR-09	East Sawmill Bay Anchorage	60 03.50	148 02.23	M	750	M,SH	NE,SW	CF,R	B		1 to CH	1.5 to D-12
A-20	POR-10	Snug Harbor Anchorage	60 14.77	147 43.30	M	2000	G	NE	R,CF	B		21 to CH	20 to A-18
A-25	POR-12	Bush Banks Anchorage	60 48.17	148 35.95	M	1200	M	NE,SW	R,A	B		4 to W	3 to A-24
A-27	POR-13	Barry Arm Anchorage	61 06.56	148 10.35	M	1750	M	NE,SW	R	B		35 to W	14 to A-28
A-30	POR-14	Unakwik Inlet-Siwash Bay Anchorage	60 57.90	147 36.32	M	2000	M	N,S	CF,R	B		52 to W, 54 to V	24 to A-22
A-31	POR-14	North Unakwik Inlet Anchorage	61 00.63	147 31.84	M	650	M	N,S	CF,R	B		52.5 to W, 58 to V	28 to A-22
D-01	POR-01	Valdez City Dock	61 07.39	146 21.69	M	600		S,W	C/I	B		0 to V	2 to A-03
D-02	POR-01	SERVS Dock	61 07.39	146 21.45	M			S,W	C/I	B		0 to V	2 to A-03
D-04	POR-01	Valdez Petroleum Terminal	61 07.25	146 18.51	M			W	C/I	B		0 to V	2 to A-03
D-09	POR-06	Cordova City Dock	60 32.88	145 46.11	M	300		NE,SW	C/I, R,S, SF	B		0 to C	7.5 to A-13
D-10	POR-06	Cordova Municipal Dock	60 33.46	145 45.32	M	408		NE,SW	C/I, R,S, SF	B		0 to C	7.5 to A-13
D-11	POR-06	Cordova T-Dock	60 33.12	145 45.83	M	263		NE,SW	C/I, R,S, SF	B		0 to C	7.5 to A-13
D-12	POR-09	Chenega Ferry/Tramper Dock	60 03.73	148 00.80	M	300		N,SW	C/I, R, CF	B		0 to CH	1.0 to A-18
D-16	POR-12	Whittier Ferry Dock	60 46.61	148 40.45	M	1300		W	C/I,R, SF	B		0 to W	5.5 to A-24
M-01	POR-01	SERVS Buoys in Port Valdez	61 06.41	146 16.42	M	2000		W	C/I	B		2 to V	1.5 to D-04
M-03	POR-11	Outside Bay Moorage	60 38.07	147 28.82	M	1400		W	CF	B,G	H	37 to W, 47 to V, 31 to T	14 to A-23
Partial list of Potential Places of Refuge for SMALL vessels (less than 300 Gross Tons)													
A-02	POR-01	Anderson Bay Anchorage	61 04.83	146 33.84	S	1200	M	N,E,W	R	B,G		7 to V	4.0 to A-01
A-08	POR-03	South Bligh Island Anchorage	60 47.68	146 48.46	S	500	M,S	S,SW,SE	S	G		6.5 to T	7 to A-07
A-24	POR-12	Shotgun Cove Anchorage	60 47.76	148 33.01	S	700	M	NE,SW	R, SF	B		5.5 to W	3 to A-25
D-14	POR-03	Tatitlek Ferry Dock	60 51.69	146 41.06	S			S	R,S,CF	B,G	H	0 to T	5 to A-06

Reference- Southwest Alaska Pilots Association, teleconference and corespondence, 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-Prince William Sound Geographic Response Strategies Site Selection Matrix, PWS GRS Workgroup February 2004

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

* NOTE: Additional Environmental sensitivity information may be found in GRS site selection matrices found in Section G, Part 1 of this document.

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