

## POTENTIAL PLACES OF REFUGE: PART ONE – INTRODUCTION

### Purpose and Scope

This Potential Places of Refuge (PPOR) section supplements information found elsewhere in the Southeast Subarea Contingency Plan for Oil and Hazardous Substances Spills and Releases, commonly referred to as the Southeast Subarea Contingency Plan (SCP). Information about sensitive areas associated with PPOR may be found in the Sensitive Areas - Section D of the SCP. Information about response strategies to protect sensitive areas and areas of public concern associated with PPOR may be found in the Geographic Response Strategies – Section G of the SCP.

A “place of refuge” is defined as a location where a vessel needing assistance can be temporarily moved to, and where actions can then be taken to stabilize the vessel, protect human life, reduce a hazard to navigation, and/or protect sensitive natural resources and other uses of the area (e.g., subsistence collection of mussels, commercial fishing, recreational boating). A place of refuge may include constructed harbors, ports, natural embayments, potential grounding sites, or offshore waters. This section identifies potential docking, anchoring, and mooring locations that may be selected as Places of Refuge in the Southeast Subarea. Actual designation of a Place of Refuge will always be an incident-specific decision made by the U.S. Coast Guard Captain of the Port for Southeast Alaska.

The Southeast Subarea has approximately 11,000 miles of environmentally sensitive coastline. In addition to sensitive shoreline habitats such as marshes, sheltered tidal flats, and exposed tidal flats, Southeast Alaska supports a number of sensitive biological resources including birds, fish and shellfish, and marine mammals. Additional information about identification of sensitive areas and resources may be found in Section D of the SCP. Additional information about protection of sensitive areas may be found in Section G of the SCP.

The Southeast Subarea lands are managed under a variety of land use management plans including;

- Revised Land Resource Management Plan for the Tongass National Forest, 1997
- City and Borough of Juneau Coastal Management Plan, 2008.
- City of Craig Coastal Management Plan, 2007.
- Skagway Municipality Coastal Management Plan, 2007
- City of Hoonah Coastal Management Plan, 2007
- City of Thorne Bay Coastal Management Plan, 2007
- City and Borough of Yakutat Coastal Management Plan, 2008.
- City of Pelican Coastal Management Plan, 2007
- Haines Borough Coastal Management Plan, 2007
- Sitka Area Coastal Management Plan, 2005
- Ketchikan Gateway Borough, Coastal Management Plan, 2008.
- General Management Plan, Glacier Bay National Park, 1984

The Southeast Subarea is also widely used for marine commerce. Log transport ships, fuel barges, freighters, container ships, ferries, and cruise ships make routine stops at Southeast ports. Also, commercial fishing boats, sport fishing charter boats, and privately-owned vessels regularly use local harbors and docks.

There is no perfect docking, mooring or anchoring, site for all vessels in all situations. A vessels length and draft are major determining factors when considering a site for refuge. Deep draft vessels, such as oil tankers and cruiseships, cannot be taken to certain locations. Some ports may have shallow approaches or small bays, and deep draft ships cannot enter these locations. However, shallower draft

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vessels, such as fishing vessels and charter vessels, may be able to utilize these ports. The multitude of possible sites of refuge for these shallow draft vessels in Southeast Alaska precluded listing them all. Therefore, this class of vessel has not been addressed in these documents. For the purposes of this section, vessels have been divided into two categories: deep draft and light draft.

**Deep Draft Vessels** are vessels with lengths up to and greater than 1000 feet and require anchor swinging room of 0.5 mile. Typically they have drafts of 20-40 feet. Cruiseships and container ships and tank vessels are the predominant deep draft vessels operating in Southeast Alaska.

**Light Draft Vessels** are vessels up to 450 feet in length and require anchor swing room of \_ mile. They have drafts to 20 feet. Freighters, catcher processors, and ferries are the most common light draft vessels operating in Southeast Alaska.

The information in this section may be used for a vessel of any size that has suffered an incident that creates a need for a temporary place of safe refuge, but it is focused on deep draft and light draft size vessels.

## How the Document Was Developed

This section was developed in 2009 by a Work Group of interested and knowledgeable stakeholders in keeping with the Alaska Regional Response Team's "Guidelines for Places of Refuge Decision-Making," (Alaska Federal/State Preparedness Plan for Response to Oil and Hazardous Substance Discharges/Releases, Annex O). The Work Group arrived at a consensus on the potential places of refuge and submitted this document to the Subarea Committee for approval and inclusion in the Southeast Subarea Contingency Plan. The Work Group participants represented the following organizations:

- Alaska Department of Environmental Conservation
- Alaska Department of Natural Resources
- Alaska Department of Fish and Game
- Southeast Alaska Pilots Association
- U.S. Coast Guard, Sector Juneau
- U.S. Department of the Interior – Offices of Environmental Policy and Compliance, Fish and Wildlife Service, and National Park Service
- U.S. Environmental Protection Agency
- City and Borough of Juneau
- City and Borough of Sitka
- Municipality of Skagway
- Ketchikan Gateway Borough
- Central Council of the Tlingit Haida Indian Tribes of Alaska

The first step of the PPOR process was to identify candidate sites (anchorage, moorings, docks/piers,) within the Southeast Subarea. The Workgroup began by researching available information to determine major risk factors in the Southeast Subarea. Maps were developed, depicting the following risk and logistical information:

- Locations of bulk fuel facilities and pipelines (Figure H-1);
- Location of Noncrude carrier routes (Figure H-2);
- Locations of cruise ship and ferry traffic (Figure H-3);
- Locations of hatcheries and remote release sites (Figure H-4);
- Locations of aquatic farms and mariculture sites (Figure H-5);
- Locations of communities with spill response agreements, spill response hubs and equipment depots (Figure H-6);

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- Locations of geographic response strategies (Figure H-7);
- Locations of major airports (Figure H-8);
- Locations of marine casualty events (Figure H-9).

Figure H-10 is a composite map of all risk factors combined.

The second step led to the identification of 88 PPOR sites within the Southeast Subarea. A site assessment matrix (Table H-2) and key (Table H-1) were developed. The matrix consists of identified sites in each row with information about risk factors and site selection criteria in the columns. The information presented for each site includes:

- PPOR identification;
- Response Zone #;
- Type of Berth;
- Location Name;
- Body of Water;
- Latitude;
- Longitude;
- Maximum Vessel Depth
- Anchoring Swing Room or Dock Face in feet;
- Depth at dock face:
- Depth at anchorage;
- Bottom Type;
- Exposure to;
- Conflicting uses;
- Ability to boom;
- GRS in the area;
- Sensitive Resources;
- Distance to population centers; and
- Distance to alternate PPOR.

The PPOR identification method begins with either a “D” or “L.” which indicates the appropriate size vessel for the site. “D” will correspond to deep draft vessels, “L” is light draft vessels. Following the letter is a number which indicates the response zone in which the site is located. This is then followed by a number which is a unique site identifier with no importance attached to the magnitude of the number.

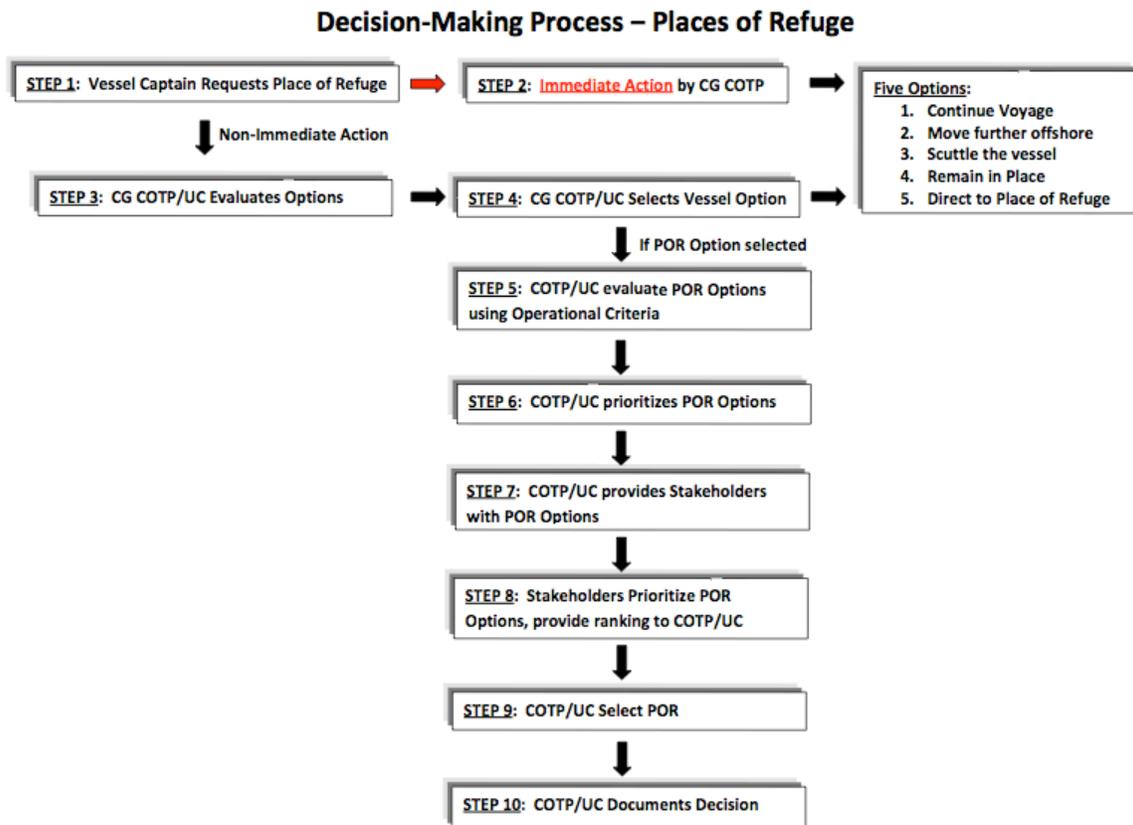
The site assessment matrix contains potentially suitable emergency anchorage, docking and moorage locations based on operational factors such as water depth, swing room, exposure/protection, and navigational approach. Sites are grouped by the individual response zones and then by the maximum vessel size category suitable for the site.

Step 3 was to identify specific factors that should be considered as part of the site assessment process. These factors include:

- Distance from population and logistics centers;
- Proximity to environmentally sensitive areas, wildlife resources, threatened or endangered species or habitats, and/or historic properties;
- Uses, such as fisheries, mariculture sites, tourism and recreational use, subsistence use, and the location of public or private facilities;
- Response factors such as booming feasibility and the proximity to existing Geographic Response Strategy (GRS) sites; and
- The distance from the closest alternative PPOR.

## How to Use the Potential Places of Refuge Section

The "Guidelines for Places of Refuge Decision-Making" (Annex O of the Unified Plan) will be used for places of refuge decision-making in the Southeast Subarea. As outlined in the guidelines, when the U.S. Coast Guard Captain of the Port (COTP) receives a request from a vessel master or his/her representative to move a vessel to a place of refuge--or in the event there are no individuals on board the vessel authorized to make the request, or the vessel has been abandoned and the COTP needs to consider moving the vessel to a place of refuge--the COTP will initiate the decision-making process in Appendix 1 of Annex O. As outlined in Steps 2 and 3 in Appendix 1, if the COTP/ Unified Command determines that places of refuge should be considered for an incident-specific response, the information in the Southeast PPOR document may be used to provide background information to help expedite the incident-specific place of refuge decision. The steps of the decision-making process are displayed as follows:



The information provided in this document should help decision-making by providing site-specific information to the COTP/Unified Command.

Part Two of this document contains site-specific information for some of the PPOR in the Southeast Subarea. An index map (Figure H-11) at the beginning of this section shows the location of the PPOR maps. Each PPOR map consists of two parts: 1) a map page showing a locator map, picture, and detailed nautical charts; and 2) a table page providing site information and local site conditions. All geographic data was collected using Mercator Projection, North American Datum 1983.

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## **Who to Contact for Input**

Comments and recommendations on these PPOR are welcomed. Please send your comments to either of the following agencies:

Alaska Department of Environmental Conservation  
Prevention and Emergency Response Program  
555 Cordova Street  
Anchorage, AK 99501

United States Coast Guard  
Captain of the Port, Southeast Alaska  
2760 Sherwood Lane Suite 2A  
Juneau, AK 99801-8545

## POTENTIAL PLACES OF REFUGE: PART TWO – PPOR MAPS

### Index of PPOR Maps

The Workgroup developed 9 PPOR Maps within the Southeast Subarea to correspond with the response zones established by oil spill responders in the area. These maps aid in the site assessment process. These maps are larger in scale, showing a small portion of the Subarea in more detail than the maps in Part One. Figure H-11 provides an overview of the Subarea, identifying the location of each PPOR Map. Each PPOR Map has been assigned an identifying number, which has no relevance other than as a map identifier.



Figure H-11. Southeast Alaska Zone Map for Potential Places of Refuge.

### PPOR Maps

Each PPOR Map consists of two parts: 1) a graphic showing a locator map, pictures, and detailed nautical charts showing the location of anchorages, docks, and moorings and other information critical to the selection of a place of refuge; and 2) a series of tables providing site information regarding local site conditions, environmental sensitivities and other considerations.

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## **POTENTIAL PLACES OF REFUGE: PART THREE – REFERENCES**

Alaska Regional Response Team. October 2004. Alaska Federal/State Preparedness Plan for Response to Oil and Hazardous Substance Discharges/Releases, Annex O, Guidelines for Places of Refuge Decision-Making.

Dept of Commerce - National Oceanic & Atmospheric Administration (NOAA), National Ocean Survey can provide detailed hydrographic charts of PPOR locations upon request. Contact Dave Neander, [Dave.Neander@noaa.gov](mailto:Dave.Neander@noaa.gov), (206) 526-6949, NOAA/ORR, 7600 Sand Point Way, NE, Seattle, WA 98115.

International Maritime Organization (IMO). July 17, 2003. Draft Assembly Resolutions Finalized by Nav. 49, Annex 1 Guidelines On Places Of Refuge For Ships In Need of Assistance.

Pacific States/British Columbia Task Force. December 2004. Guidelines for Places of Refuge

U.S. Coast Guard, Marine Safety Office Southeast, 2007. Southeast Alaska Marine Firefighting Contingency Plan.

### **Useful Websites**

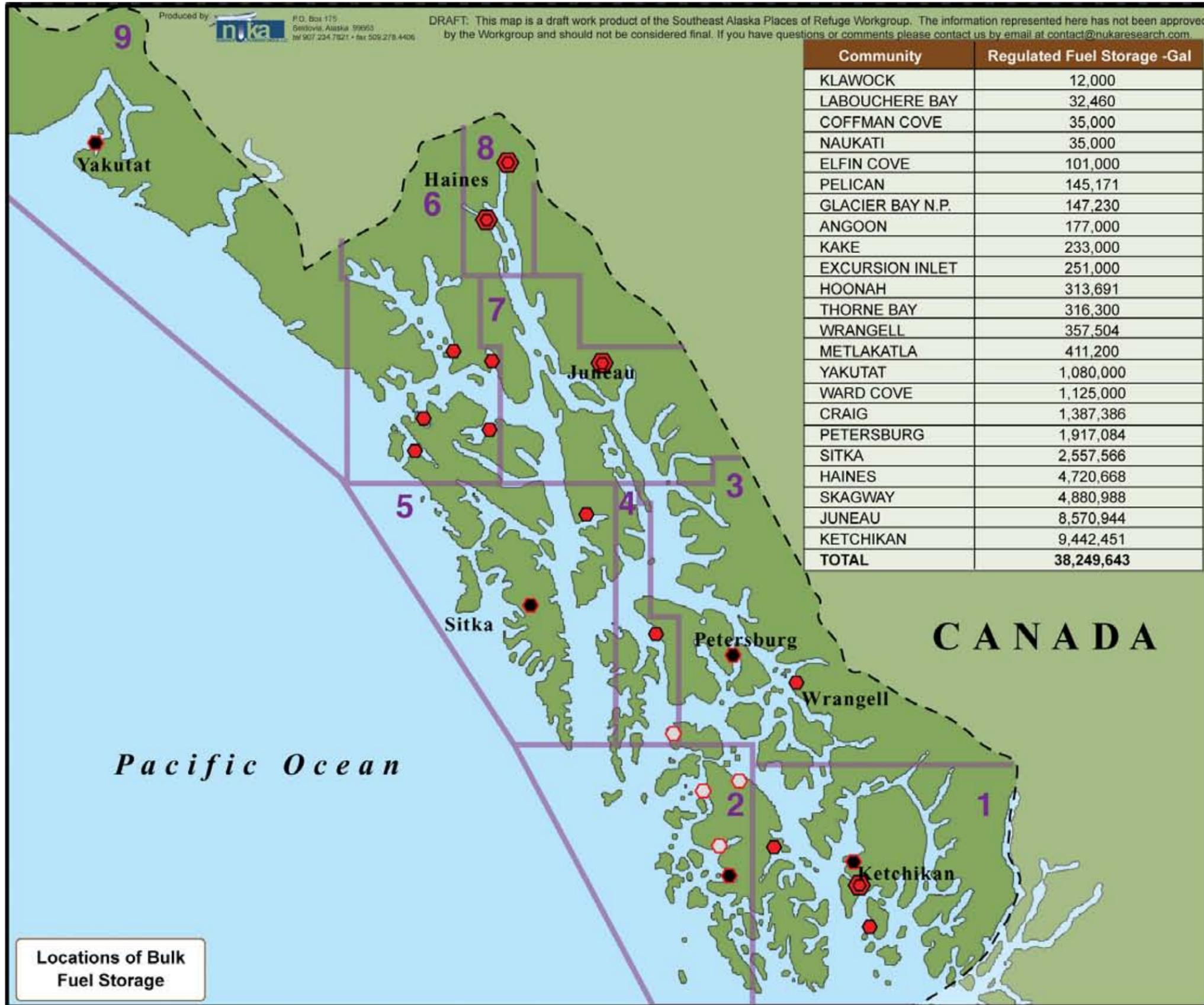
Alaska Dept. of Environmental Conservation, Southeast GRS Information  
<http://www.dec.state.ak.us/spar/perp/grs/se/home.htm>

Alaska Dept. of Natural Resources. Southeast Public Access Atlas.  
<http://www.dnr.state.ak.us/mlw/planning/easmtatlas/>

Alaska Dept. of Natural Resources, Southeast Subarea maps including, general maps, land use and management maps, biologically sensitive area maps, most environmentally sensitive area maps, environmentally sensitive index maps, and geographic response strategies.  
<http://www.asgdc.state.ak.us/maps/cplans/subareas.html#cook>

Alaska Regional Response Team, Southeast Subarea Contingency Plan,  
<http://www.akrrt.org/SEAKplan/SEAKtoc.shtml>

U.S Bureau of Land Management. Alaska Land Information System.  
<http://www.ak.blm.gov/alis/>



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## SOUTHEAST, Alaska

### POTENTIAL PLACES OF REFUGE and RISK FACTORS

#### RISK SYMBOLS

**Potential Places of Refuge**

- Anchorage (Red anchor symbol)
- Dock (Green dock symbol)
- Mooring (Blue mooring symbol)

**Response Equipment**

- COMMUNITY AGREEMENTS (Yellow star with 'CA')
- NEARSHORE PACKAGES (Blue star with 'NP')
- STATE (Green star with 'S')

— Noncrude Oil Carrier Routes (Red line)

— Cruise and AMHS Ship Traffic (Blue line)

#### BULK FUEL STORAGE SITES > 10,000 Gals.

- = 10K - 100K Gal.
- = 100K - 500K Gal.
- = 1M - 3M Gal.
- = 3M - 10M Gal.

#### SOUTHEAST SUBAREA SPILLS > 1000 Gal.

- = Persistent (Green)
- = Non-Persistent (Yellow)
- = 1,000 - 4,999 gal.
- = 5,000 - 10K gal.
- ▲ = 10K - 15K gal.
- ◆ = 100K gal.

✈ Airport    ⚓ Seaplane    (H) Heliport

(GRS) Geographic Response Strategy

🌊 Aquatic Farms    🐟 Hatcheries

Figure H-1. Locations of Bulk Fuel Storage.

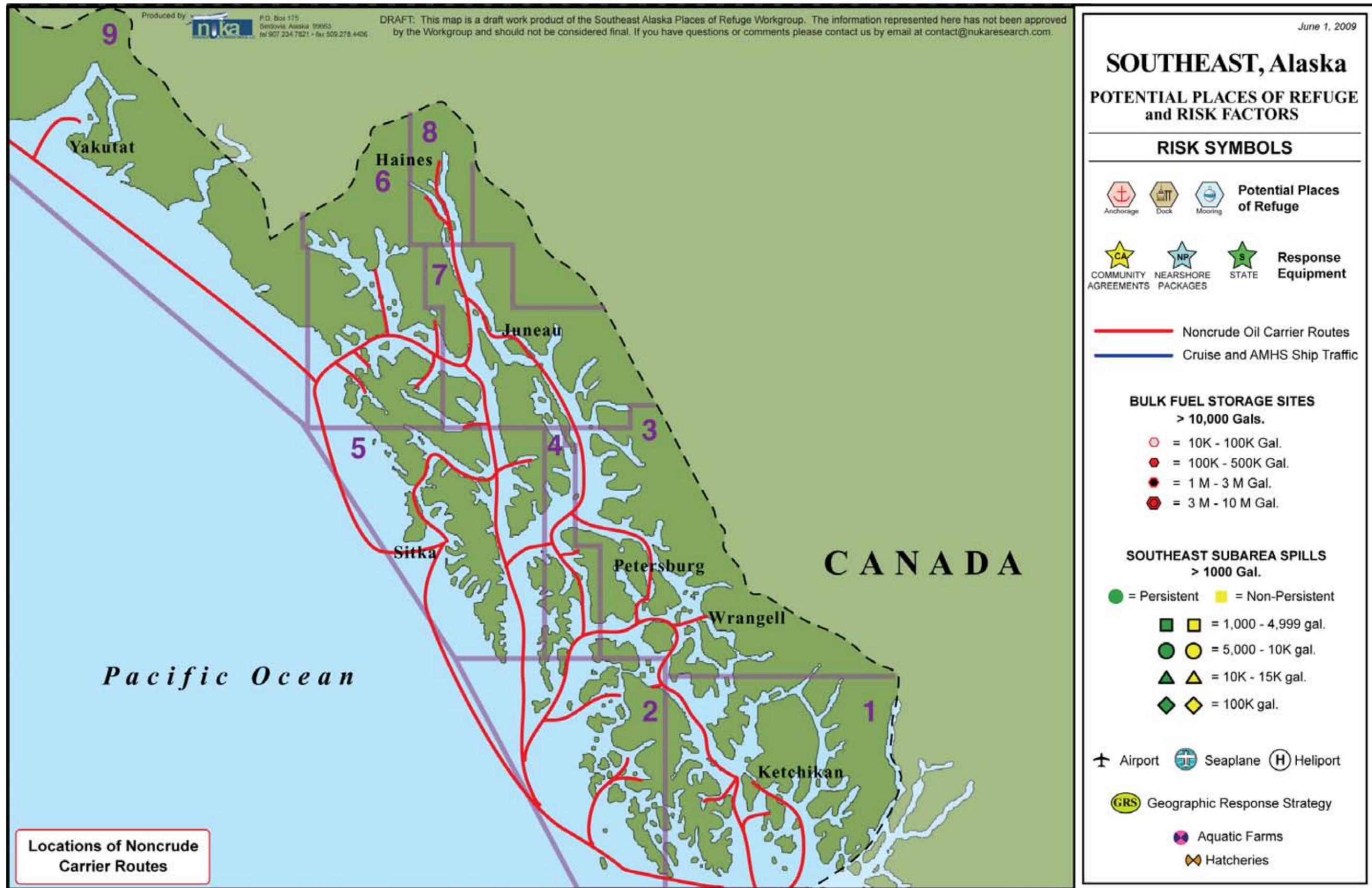


Figure H-2. Locations of Noncrude Carrier Routes.

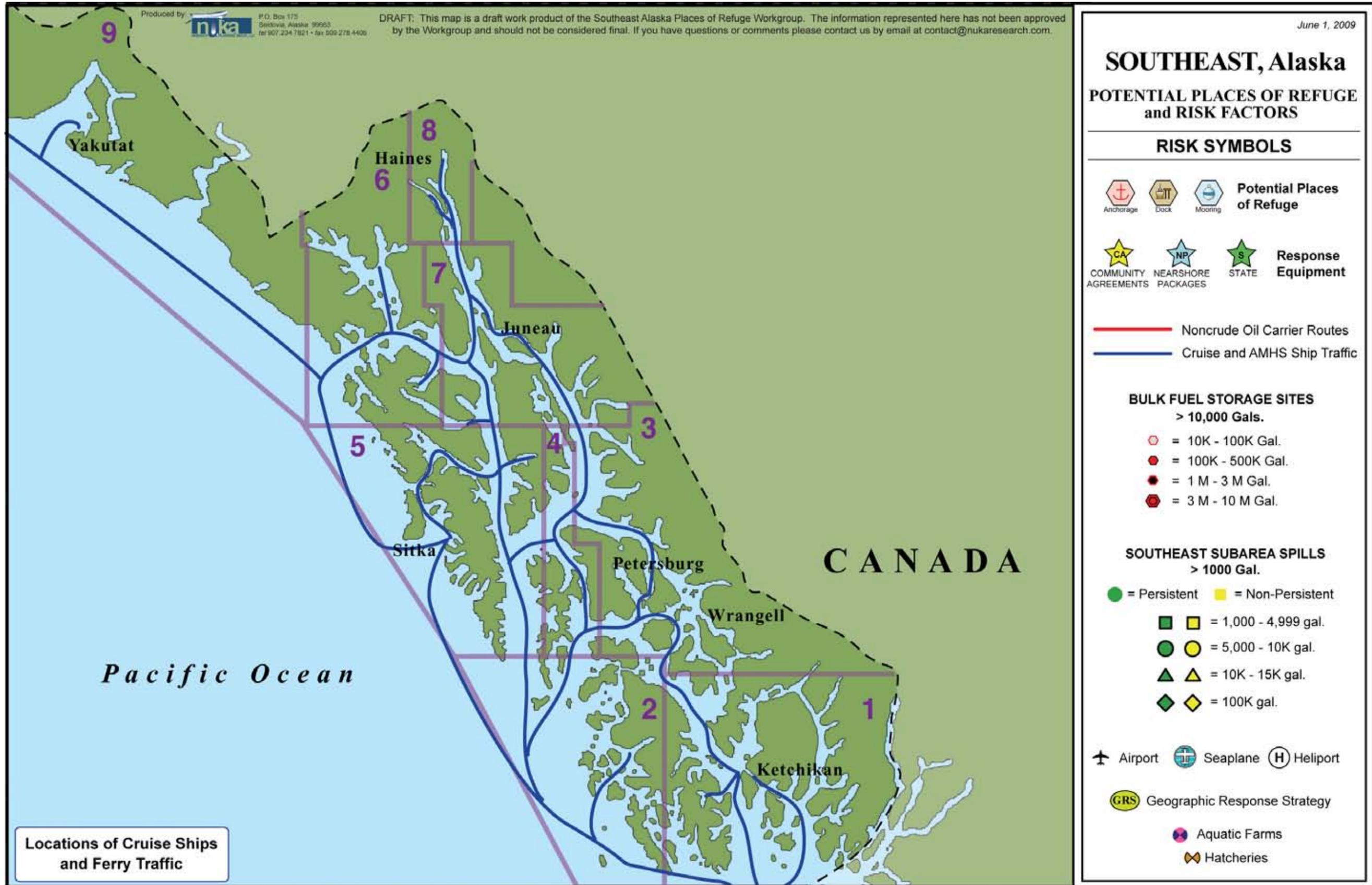


Figure H-3. Locations of Cruise Ships and Ferry Traffic.

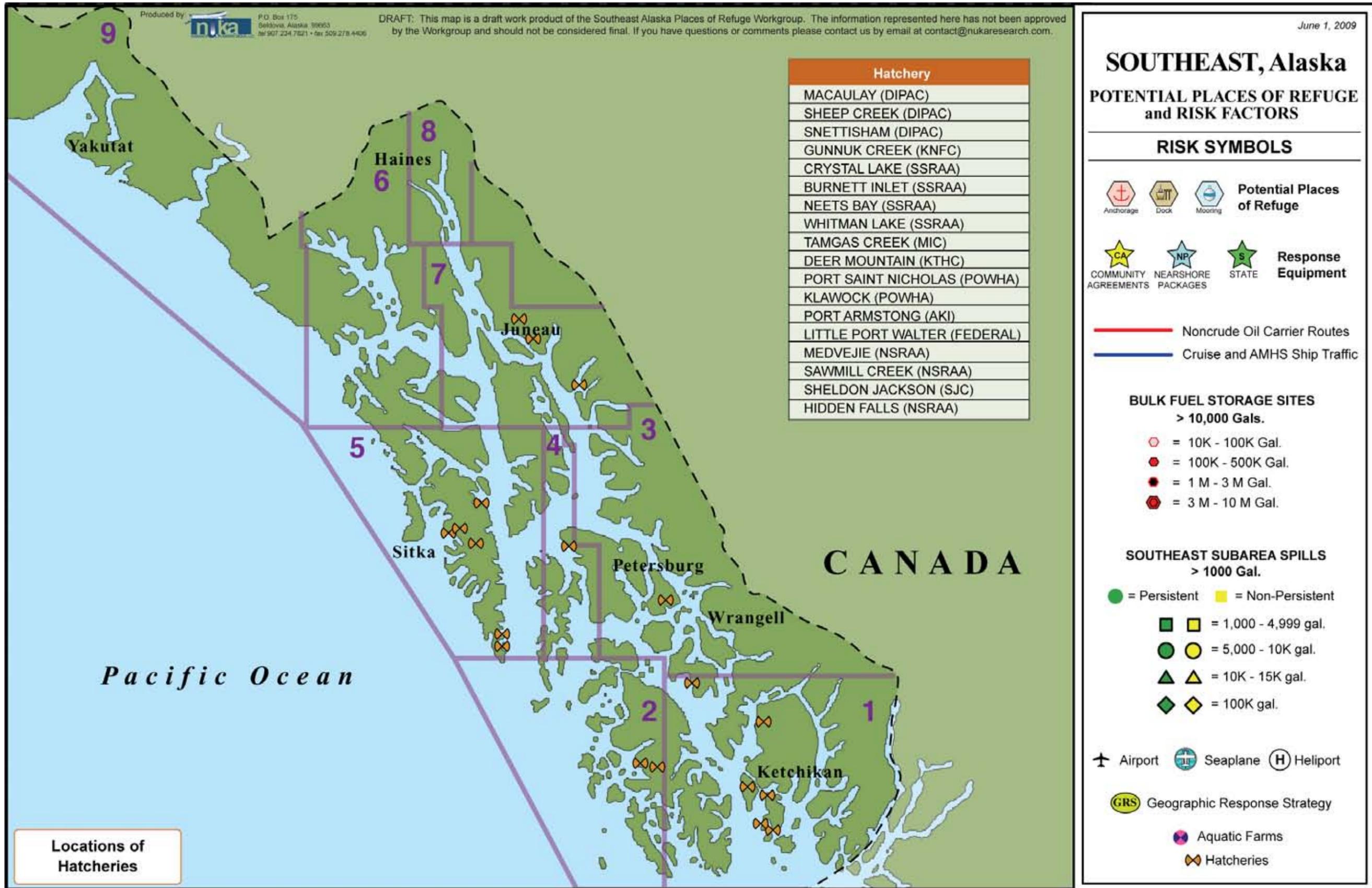


Figure H-4. Locations of Hatcheries.

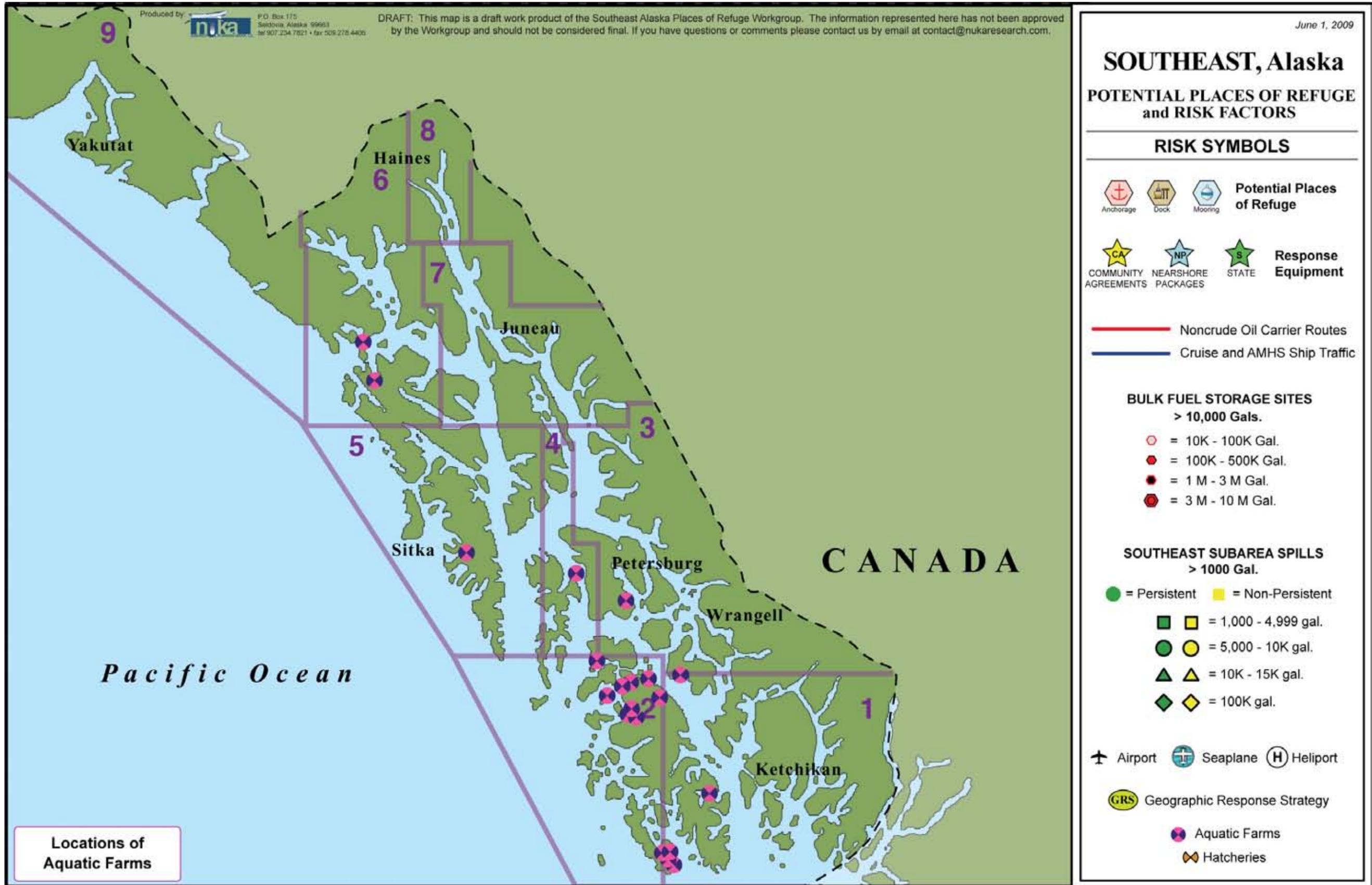


Figure H-5. Locations of Aquatic Farms.

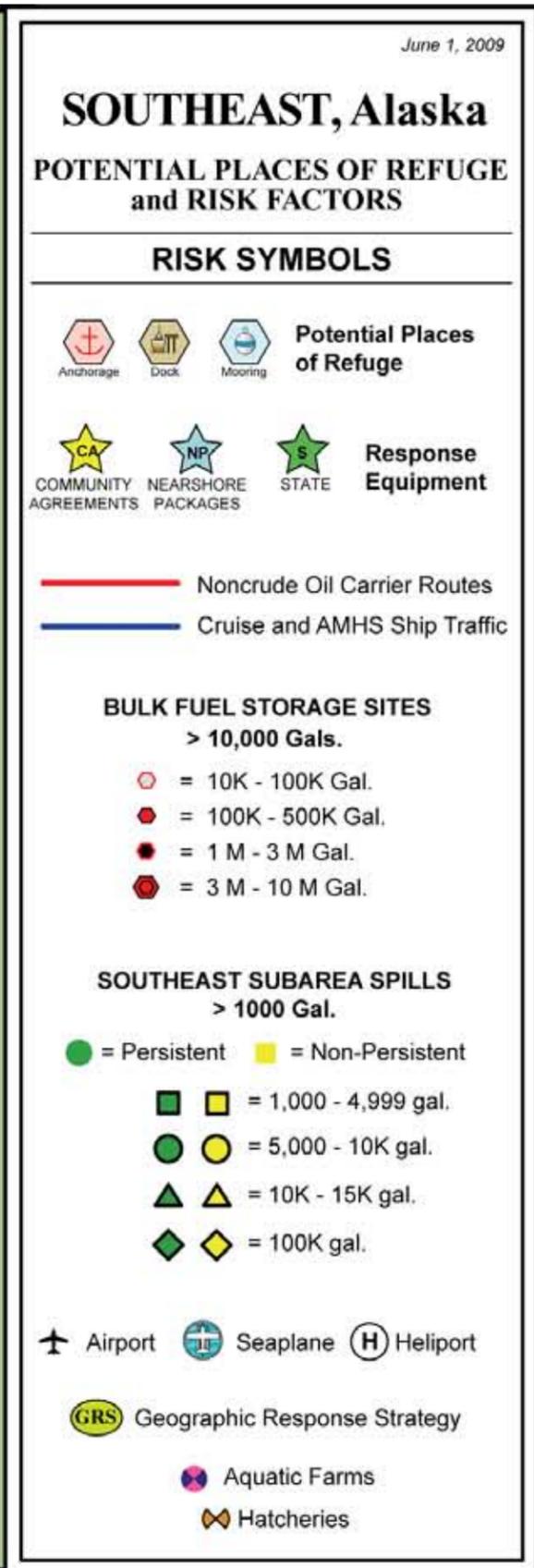


Figure H-6. Locations of Spill Response Agreements, Response Equipment Containers, and Nearshore Equipment Packages.



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## SOUTHEAST, Alaska

### POTENTIAL PLACES OF REFUGE and RISK FACTORS

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#### RISK SYMBOLS

Anchorage

Dock

Mooring

**Potential Places of Refuge**

COMMUNITY AGREEMENTS

NEARSHORE PACKAGES

STATE RESPONSE EQUIPMENT

Noncrude Oil Carrier Routes

Cruise and AMHS Ship Traffic

**BULK FUEL STORAGE SITES**  
 > 10,000 Gals.

- = 10K - 100K Gal.
- = 100K - 500K Gal.
- = 1 M - 3 M Gal.
- = 3 M - 10 M Gal.

**SOUTHEAST SUBAREA SPILLS**  
 > 1000 Gal.

= Persistent    = Non-Persistent

- = 1,000 - 4,999 gal.
- = 5,000 - 10K gal.
- = 10K - 15K gal.
- = 100K gal.

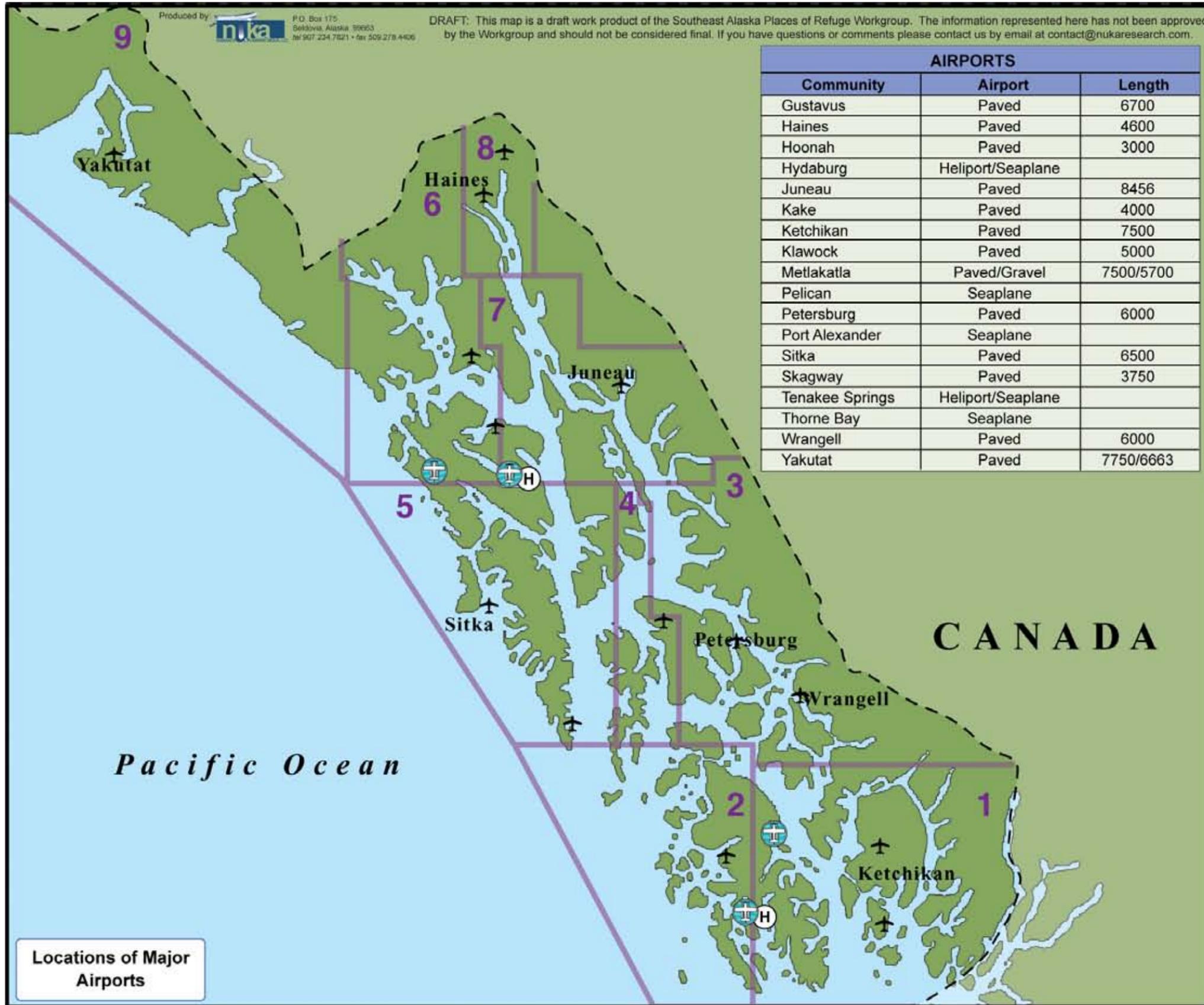
Airport    Seaplane    Heliport

Geographic Response Strategy

Aquatic Farms

Hatcheries

Figure H-7. Locations of Geographic Response Strategies.



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## SOUTHEAST, Alaska

### POTENTIAL PLACES OF REFUGE and RISK FACTORS

#### RISK SYMBOLS

**Potential Places of Refuge**

- Anchorage
- Dock
- Mooring

**Response Equipment**

- COMMUNITY AGREEMENTS (CA)
- NEARSHORE PACKAGES (NP)
- STATE (S)

— Noncrude Oil Carrier Routes (Red line)

— Cruise and AMHS Ship Traffic (Blue line)

#### BULK FUEL STORAGE SITES > 10,000 Gals.

- 10K - 100K Gal.
- 100K - 500K Gal.
- 1 M - 3 M Gal.
- 3 M - 10 M Gal.

#### SOUTHEAST SUBAREA SPILLS > 1000 Gal.

- Persistent (Green)
- Non-Persistent (Yellow)
- 1,000 - 4,999 gal.
- 5,000 - 10K gal.
- 10K - 15K gal.
- 100K gal.

✈ Airport    ⚓ Seaplane    (H) Heliport

(GRS) Geographic Response Strategy

- Aquatic Farms
- Hatcheries

Figure H-8. Locations of Major Airports.

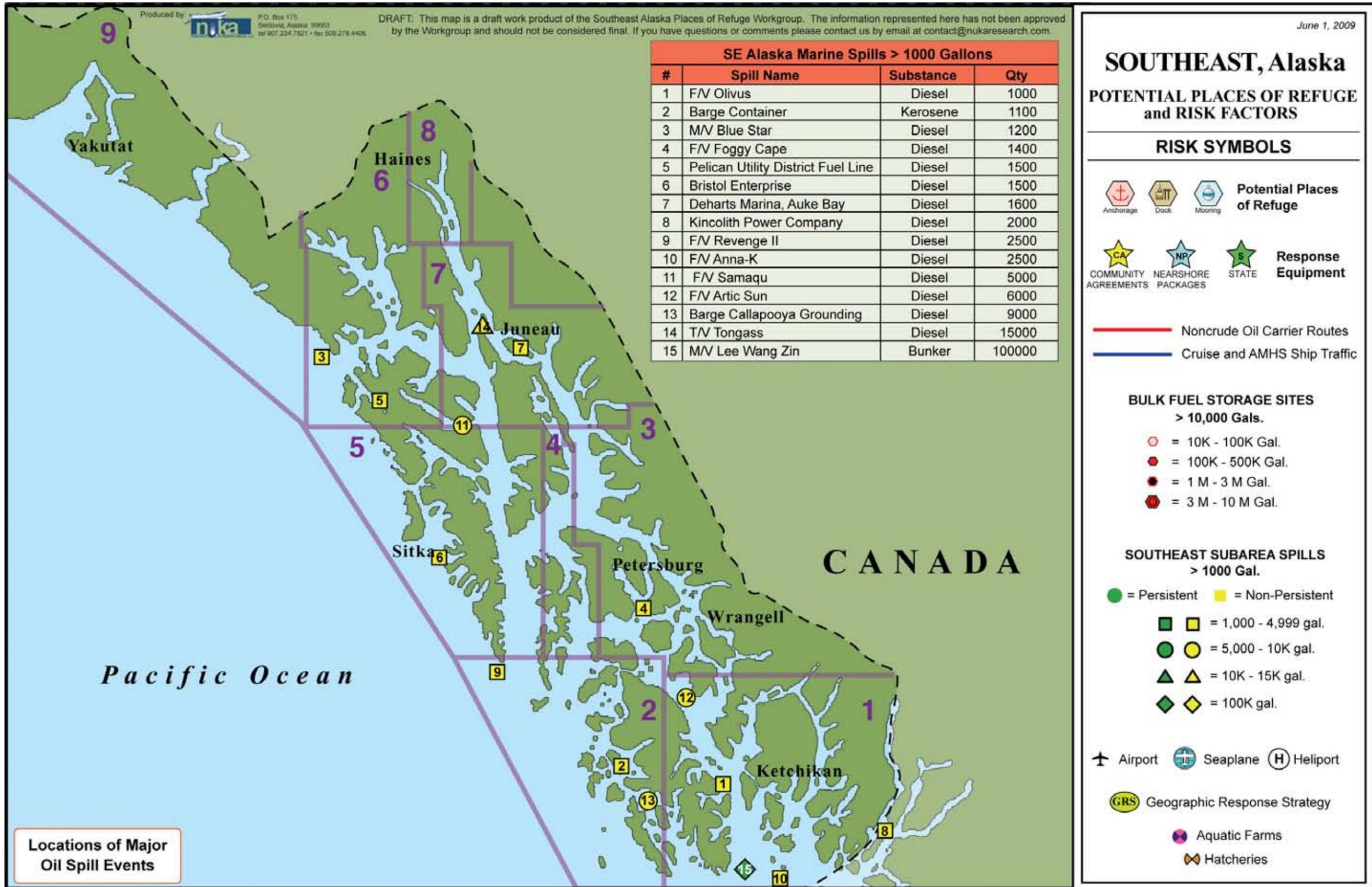


Figure H-9. Locations of Major Oil Spill Events.

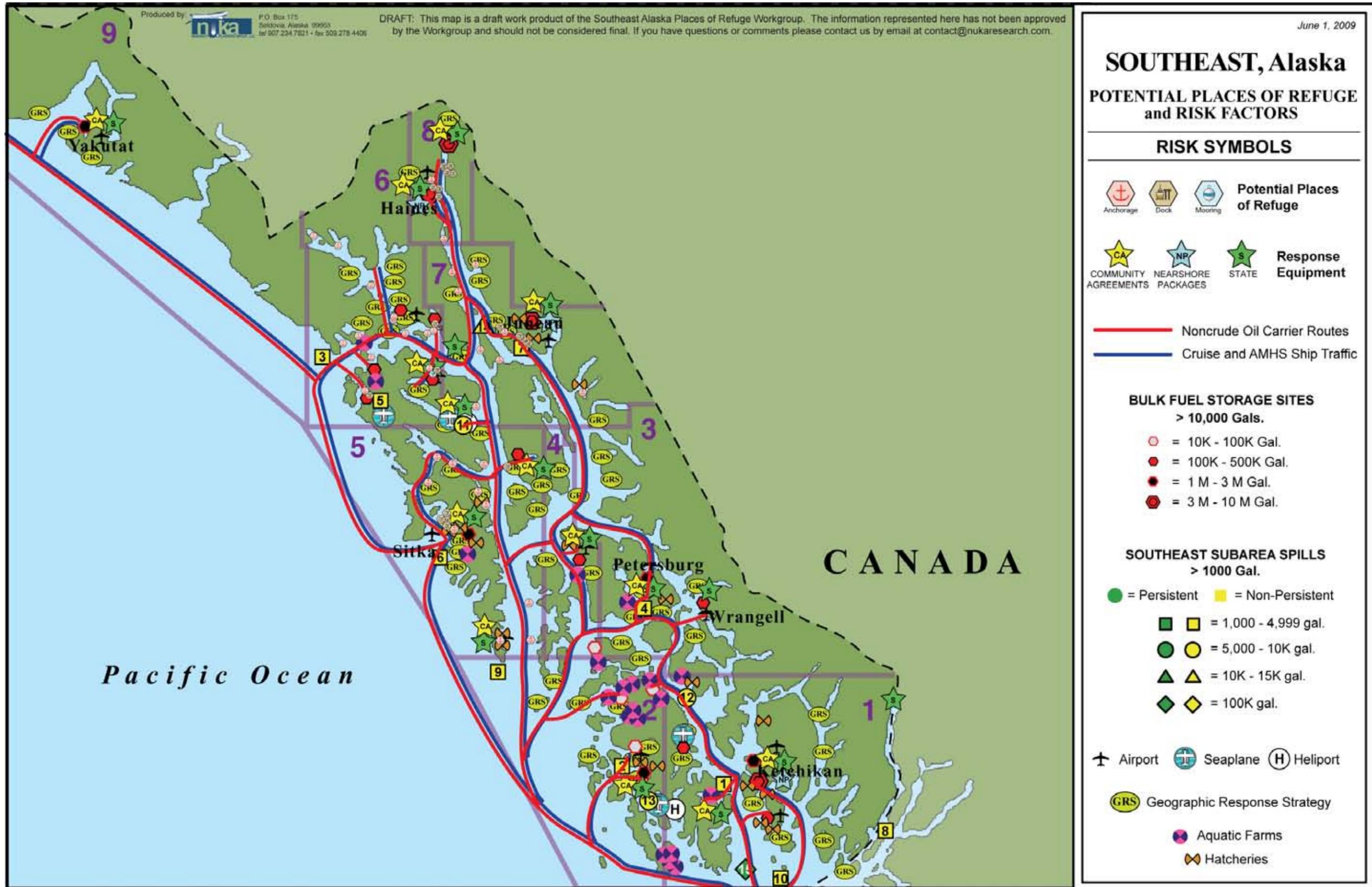


Figure H-10. Location of all Risk Factors Combined.

**Southeast Subarea  
Potential Places of Refuge  
Site Assessment Matrix**

PPOR ID# (size-zone-number)	Response Zone #	Type of berth	Location Name	Body Of Water	Lat.	Lon	Max Vessel Depth	Anchoring SwingRoom or Dock Face(w/ Dolphins) in ft.	Depth at dock face in FEET (MLLW)	Depth at anchorage in FATHOMS	Bottom Type
D-1-01	1	A	Mary Island	Felice Strait	55°03.23'N	131°16.25'W	PPOR for this zone is not developed	6000		32	SG
D-1-02	1	A	Nichols Passage	Nichols Passage	55°09.98'N	131°36.70'W		3000		23	G
D-1-03	1	D/P	Port of Ketchikan Berth 1-A & 1-B	Tongass Narrows	55°20.40'N	131°38.76'W		1605	30-40		N/A
D-1-04	1	D/P	Port of Ketchikan Berth 2	Tongass Narrows	55°20.52'N	131°38.94'W		575(865)	40		N/A
D-1-05	1	D/P	AK Marine Lines-Ketchikan	Tongass Narrows	55°21.12'N	131°41.40'W		400	35		N/A
D-1-06	1	D/P	Ketchikan Ferry Terminal-1	Tongass Narrows	55°21.22'N	131°41.67'W		550	35		N/A
D-1-07	1	D/P	Ketchikan Ferry Terminal-2	Tongass Narrows	55°21.23'N	131°41.72'W		450	40		N/A
D-1-08	1	D/P	Alaska Ship & Drydock	Tongass Narrows	55°21.30'N	131°41.88'W		560	35		N/A
D-1-09	1	A	Ward Cove	Tongass Narrows	55°23.51'N	131°44.77'W		1500		30	M
D-1-10	1	D/P	Boyer Towing Dock	Tongass Narrows	55°23.82'N	131°43.68'W		PPOR for this zone is not developed	750	40	
D-1-11	1	M	Tolstoi Bay Moorage	Clarence Strait	55°38.84'N	132°26.06'W	1800			73	N/A
D-1-12	1	A	Vixen Inlet	Earnest Sound	55°49.94'N	132°06.81'W	3000			28	Rky
L-1-01	1	D/P	Port of Ketchikan Berth 1-C & 1-D	Tongass Narrows	55°20.33'N	131°38.64'W	860		20ft		N/A
L-1-02	1	A	Vallenar Bay	Clarence Strait	55°23.50'N	131°51.39'W	3000			32	S
L-1-03	1	D/P	Hollis Ferry Dock	Twelve Mile Arm	55°29.47'N	132°37.51'W	(200)		25		N/A

Table H-1. Key to Southeast Alaska PPOR Site Selection Matrix.

**Southeast Subarea  
Potential Places of Refuge  
Site Assessment Matrix**

PPOR ID# (size-zone-number)	Response Zone #	Type of berth	Location Name	Body Of Water	Lat.	Lon	Max Vessel Depth	Anchoring SwingRoom or Dock Face(w/ Dolphins) in ft.	Depth at dock face in FEET (MLLW)	Depth at anchorage in FATHOMS	Bottom Type	Exposure to	Conflicting uses	Ability to Boom	GRS# in the area	Sensitive Resources	Dist. to Population Center(nm)	Dist. Alt. PPOR	
D-1-01	1	A	Mary Island	Felice Strait	55°03.23'N	131°16.25'W	PPOR for this zone is not developed	6000		32	SG	SW, N	CF	No	SE01-06	Not Designated	23 to M	23 to D-01-03	
D-1-02	1	A	Nichols Passage	Nichols Passage	55°09.98'N	131°36.70'W		3000		23	G	S,N	CF,R,S	WD					
D-1-03	1	D/P	Port of Ketchikan Berth 1-A & 1-B	Tongass Narrows	55°20.40'N	131°38.76'W		1605	30-40		N/A	None	CI	Y	No			0 to K	
D-1-04	1	D/P	Port of Ketchikan Berth 2	Tongass Narrows	55°20.52'N	131°38.94'W		575(865)	40		N/A	None	CI, R		No			0 to K	
D-1-05	1	D/P	AK Marine Lines-Ketchikan	Tongass Narrows	55°21.12'N	131°41.40'W		400	35		N/A	None	CI	WD	No			0 to K	
D-1-06	1	D/P	Ketchikan Ferry Terminal-1	Tongass Narrows	55°21.22'N	131°41.67'W		550	35		N/A	None	CI, R	WD	No				
D-1-07	1	D/P	Ketchikan Ferry Terminal-2	Tongass Narrows	55°21.23'N	131°41.72'W		450	40		N/A	None	CI, R	WD	No				
D-1-08	1	D/P	Alaska Ship & Drydock	Tongass Narrows	55°21.30'N	131°41.88'W		560	35		N/A	None	CI, R	Y	No				
D-1-09	1	A	Ward Cove	Tongass Narrows	55°23.51'N	131°44.77'W		1500		30	M	NW	CI, R	WD	No			4 to K	
D-1-10	1	D/P	Boyer Towing Dock	Tongass Narrows	55°23.82'N	131°43.68'W		750	40		N/A	None	CI, R	Y	No			4.25 to K	
D-1-11	1	M	Tolstoi Bay Moorage	Clarence Strait	55°38.84'N	132°26.06'W	PPOR for this zone is not developed	1800		73	N/A	N	CI, R	No	SE01-05		0.0 to UA	0.3 to 62-LI	
D-1-12	1	A	Vixen Inlet	Earnest Sound	55°49.94'N	132°06.81'W		3000		28	Rky	SW-N	CF	WD	No			22 to TB	
L-1-01	1	D/P	Port of Ketchikan Berth 1-C & 1-D	Tongass Narrows	55°20.33'N	131°38.64'W		860	20ft		N/A	None	CI	Y	No			0 to K	
L-1-02	1	A	Vallenar Bay	Clarence Strait	55°23.50'N	131°51.39'W		3000		32	S	W,N	R,S	WD	No			12 to K	
L-1-03	1	D/P	Hollis Ferry Dock	Twelve Mile Arm	55°29.47'N	132°37.51'W		(200)	25		N/A	None	CF, CI, R	Y	SE01-08			36 to K	
L-1-04	1	A	Lyman Anchorage	Clarence Strait	55°32.70'N	132°17.31'W		1500		9	Rky		CF,R	WD	No			11 to TB	16 to L-1-05
L-1-05	1	A	Union Bay	Earnest Sound	55°45.01'N	132°12.17'W		2400		34	SG	NW_N	CF,R	WD	No			14 to TB	16 to L-1-04
D-3-01	3	A	Woronkofski Island Anchorage	Zimovia Strait	56°26.16'N	132°25.91'W													
D-3-02	3	A	Baht Harbor	Sumner Strait	56°27.21'N	132°48.56'W													
D-3-03	3	D/P	Wrangell Cruise Vessel Wharf	Zimovia Strait	56°28.20'N	132°23.28'W													
D-3-04	3	A	Holkum Bay Anchorage	Stephens Passage	57°45.28'N	133°39.38'W													
L-3-01	3	A	Steamer Bay	Clarence Strait	56°10.52'N	132°42.49'W													
L-3-02	3	A	Salmon Bay	Clarence Strait	56°17.54'N	133°06.74'W													
L-3-03	3	D/P	Wrangell Ferry Terminal	Zimovia Strait	56°28.44'N	132°23.46'W													
L-3-04	3	A	Point Alexander Anchorage	Sumner Strait	56°31.04'N	132°57.85'W													
L-3-05	3	D/P	South Mitkof Ferry Terminal	Sumner Strait	56°31.92'N	132°42.71'W													

Table H-2. Southeast Alaska PPOR Site Selection Matrix. Page 1 of 3.

**Southeast Subarea  
Potential Places of Refuge  
Site Assessment Matrix**

PPOR ID# (size-zone-number)	Response Zone #	Type of berth	Location Name	Body Of Water	Lat.	Lon	Max Vessel Depth	Anchoring SwingRoom or Dock Face(w/ Dolphins) in ft.	Depth at dock face in FEET (MLLW)	Depth at anchorage in FATHOMS	Bottom Type	Exposure to	Conflicting uses	Ability to Boom	GRS# in the area	Sensitive Resources	Dist. to Population Center(nm)	Dist. Alt. PPOR	
L-3-06	3	A	Scow Bay Anchorage	Wrangell Narrows	56°46.00'N	132°58.47'W													
L-3-07	3	A	Farragut Bay	Frederick Sound	57°07.00'N	133°14.34'W	Zone not developed into PPOR												
D-4-01	4	A	Saginaw Bay		56°53.48'N	134°12.39'W													
D-4-02	4	A	Keku Strait	Keku Strait	56°58.86'N	134°05.17'W													
L-4-01	4	A	Calder Rocks	Sumner Strait	56°15.03'N	133°39.08'W													
L-4-02	4	A	Sumner Strait	Sumner Strait	56°23.43'N	133°13.57'W													
L-4-03	4	D/P	Kake Ferry Terminal	Keku Strait	56°58.48'N	133°56.65'W													
L-4-04	4	A	Pybus Bay	Frederick Sound	57°18.93'N	134°02.46'W													
D-5-01	5	A	Port Conclusion	Chatham Strait	56°15.89'N	134°39.89'W	40	2000		41	Rky	NE	CF,S	WD	No	Not Designated	5 to PA	20 to D-05-02	
D-5-02	5	A	Tebenkof Bay	Chatham Strait	56°32.31'N	134°18.09'W	40	3000		20	G,rky,h	S,E	CF	WD	No	Not Designated	22 to PA	20 to D-05-01	
D-5-03	5	D/P	USCG Dock	Sitka Sound	57°03.00'N	135°20.72'W	20	283/185	42/22		N/A	None	CF, CI, R, S,A	Yes	SE05-02,03,05,11	H	0 to S	.25 to D-05-04	
D-5-04	5	D/P	Sitka City Dock	Sitka Sound	57°03.24'N	135°20.88'W	30	350	37		N/A	None	CF, CI, R, S,A	Yes	SE05-02,03,05,11	H	0 to S	.25 to D-05-03	
D-5-05	5	A	Battery Island Anchorage	Sitka Sound	57°03.99'N	135°23.04'W	40	3000		17	C, Sh	S	CF, CI, R, S,A	WD	SE05-02,03,05,11	H	1.5 to S	1.25 to D-05-04	
D-5-06	5	D/P	Samson Tug Dock	Sitka Sound	57°07.74'N	135°22.98'W	25	300/250	65/25		N/A	None	CF, CI, R, S,A	Yes	SE05-02,03,05,11	H	5 to S	5 to D-05-05	
L-5-01	5	A	Port Malmesbury	Chatham Strait	56°16.77'N	134°16.61'W	40	2400		30	Rky	E	CF	WD	No	Not Designated	13 to PA	12 to D-05-01	
L-5-02	5	M	Sawmill Cove	Sitka Sound	57°02.50'N	135°13.53'W	40	1200		32	N/A	SW	CF, CI, R, S,A	WD	SE05-02,03,05,11	H	4.25 to S	4.5 to D-05-03	
L-5-03	5	D/P	Sitka Ferry Dock	Sitka Sound	57°07.98'N	135°22.75'W	25	460	30		N/A	None	CF, CI, R, S,A	Yes	SE05-02,03,05,11	H	5 to S	5 to D-05-05	
L-5-04	5	A	Kasnyku Bay	Chatham Strait	57°12.91'N	134°50.93'W	40	1000		33	M	SW	CF	WD	SE05-04	H	18 to AN	8.75 to L-05-05	
L-5-05	5	A	Kelp Bay	Chatham Strait	57°18.63'N	134°56.70'W	40	1700		26	Rky	None	CF	WD	SE05-04,07	H	20 to AN	8.75 to L-05-04	
L-5-06	5	A	Fish Bay	Peril Strait	57°22.64'N	135°35.12'W	40	2600		33	M	None	CF,S	WD	SE05-08	H	33 to S	15 to L-05-10	
L-5-07	5	D/P	Angoon Ferry Terminal	Chatham Strait	57°28.33'N	134°33.97'W	20	200	24		N/A	None	CF, CI, R, S,A	Yes	SE05-01	H	2 to AN	12.5 to L-05-08	
L-5-08	5	A	Florence Bay	Chatham Strait	57°29.89'N	134°52.82'W	40	1500		28	h	S	CF	WD	No	Not Designated	12 to AN	12.5 to L-05-07	
L-5-09	5	A	Point Elizabeth	Hoonah Sound	57°30.34'N	135°16.26'W	40	2700		27	h	SW,NW,SE	CF	WD	No	Not Designated	24 to AN	8.5 to L-05-10	
L-5-10	5	A	Deadman Reach	Hoonah Sound	57°33.33'N	135°28.51'W	40	2400		28	M,h,S	SW,W	CF	WD	No	Not Designated	35 to S	8.5 to L-05-09	
D-6-01	6	A	Idaho Inlet	Cross Sound	58°12.51'N	136°11.48'W	40+	3600		20	M	N	CF	WD	No	Not Designated	19 to G	9.5 to D-06-03	
D-6-02	6	A	Taylor Bay	Cross Sound	58°17.45'N	136°32.70'W	40+	3000		32	Sh	S	CF	WD	No	Not Designated	28 to G	9.5 to D-06-03	

Table H-2 continued. Southeast Alaska PPOR Site Selection Matrix. Page 2 of 3.

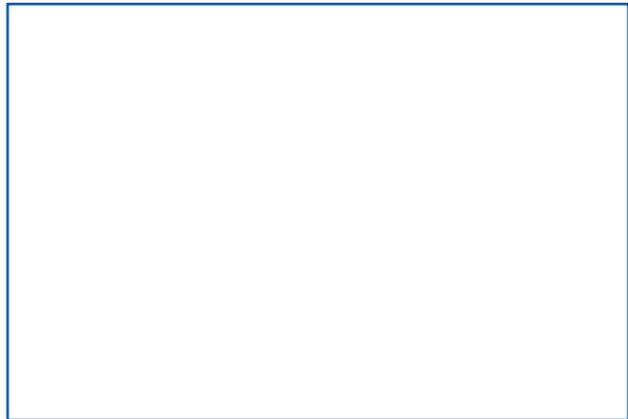
**Southeast Subarea  
Potential Places of Refuge  
Site Assessment Matrix**

PPOR ID# (size-zone-number)	Response Zone #	Type of berth	Location Name	Body Of Water	Lat.	Lon	Max Vessel Depth	Anchoring SwingRoom or Dock Face(w/ Dolphins) in ft.	Depth at dock face in FEET (MLLW)	Depth at anchorage in FATHOMS	Bottom Type	Exposure to	Conflicting uses	Ability to Boom	GRS# in the area	Sensitive Resources	Dist. to Population Center(nm)	Dist. Alt. PPOR
D-6-03	6	A	Dundas Bay	Cross Sound	58°20.36'N	136°20.31'W	40	3000		12	M, rky	S	CF,R	WD	SE06-07	H	21 to G	9.5 to D-06-01
D-6-04	6	A	East Pleasant Island	Icy Strait	58°21.50'N	135°31.59'W	40+	4200		24	M,SH	S	CF,R	WD	No	Not Designated	7 to G	2.5 to D-06-06
D-6-05	6	A	West Pleasant Island	Icy Strait	58°21.56'N	135°47.09'W	40+	6000		31	M	SW-E	CF,R	WD	SE06-01	H	2.5 to G	10 to D-06-07
D-6-06	6	A	Excursion Inlet	Icy Strait	58°22.45'N	135°27.24'W	40	3000		14	M	N,S	CF,R	WD	No	Not Designated	3.5 to G	2.5 to D-06-04
D-6-07	6	A	Outer Bartlett Cove	Glacier Bay	58°26.42'N	135°55.70'W	40+	3600		21	M	W	CF, R	WD	SE06-02	H	1.5 to G	10 to D-06-05
D-6-08	6	A	Drake Island Anchorage	Glacier Bay	58°39.27'N	136°11.52'W	40	3600		14	Rky	N-SE	CF, R	WD	SE06-04.06,08	H	20 to G	17 to D-06-07
D-6-09	6	A	Composite Island	Glacier Bay	58°53.79'N	136°35.14'W	40+	2400		24	M,S	S	CF,R	No	SE06-08,09	H	38 to G	11 to D-06-10
D-6-10	6	A	Russell Island	Glacier Bay	58°57.28'N	136°52.66'W	40	2000		30	M	NW	R	WD	SE06-05	H	44 to G	11 to D-06-09
L-6-01	6	A	Lisianski Inlet	Lisianski Inlet	57°58.72'N	136°15.01'W	20	1200		20	G	S, NW	CF,R,S	WD	No	Not Designated	1.5 to P	22 to D-06-02
L-6-02	6	M	Hoonah Moorage	Port Frederick	58°06.16'N	135°28.14'W	20	1200		28	N/A	N	CF, CI, R, A	WD	SE06-03	H	0.25 to H	2 to L-06-03
L-6-03	6	A	Halibut Rock Anchorage	Port Frederick	58°07.88'N	135°30.39'W	20	3000		13	Rky	S	CF, CI, R, S	WD	SE06-03	H	2.25 to H	2 to L-06-02
L-6-04	6	D/P	Excursion Inlet Cannery Dock	Glacier Bay	58°24.97'N	135°26.82'W	20	130	25		N/A	S, NW	CF, CI, R, S	Yes	No	Not Designated	12 to G	17.5 to L-06-03
L-6-05	6	A	Inner Bartlett Cove	Glacier Bay	58°27.13'N	135°54.97'W	20	2800		28	M	SW	CF, R	WD	SE06-02	H	.5 to G	22 to L-06-04
D-7-01	7	A	Lyoukeen Cove	Chatham Strait	57°53.03'N	134°57.71'W	40+	3600		24	S	NE-SE	CF	WD	No	Not Designated	15 to TS	38 to D-06-04
D-7-02	7	A	Gilbert Bay	Stephens Passage	57°57.22'N	133°42.19'W	40+	2800		30	M	None	CF	WD	No	E	35 to J	25 to D-03-04
D-7-03	7	A	Young Bay	Stephens Passage	58°10.61'N	134°40.80'W	40+	3000		22	M,G	N	CF, R	WD	No	Not Designated	24 to J	24 to D-07-04
D-7-04	7	D/P	Princess Cruise Line Ship Terminal	Gastineau Channel	58°17.46'N	134°23.64'W	30*	960	30		N/A	None	CF, CI, R	Yes	SE07-01	Not Designated	0 to J	.5 to D-07-05
D-7-05	7	D/P	Juneau Cruise Ship Terminal	Gastineau Channel	58°17.82'N	134°24.24'W	27*	1700	27		N/A	None	CF, CI, R	Yes	SE07-01	Not Designated	0 to J	.5 to D-07-04
D-7-06	7	A	Auke Bay	Lynn Canal	58°22.19'N	134°40.04'W	40+	3600		29	M	None	CF, CI, R	WD	SE07-01,02	H,MESA-61	2 to J	14 to D-07-03
D-7-07	7	A	St James Bay	Lynn Canal	58°36.09'N	135°10.09'W	40	2400		10	M,P	None	CF, R	WD	SE07-05	H	24 to J	16 to D-07-07
D-7-08	7	A	Berners Bay	Lynn Canal	58°46.00'N	134°57.20'W	40+	3000		27	M	S	CF, R	WD	SE07-04,06	H	31 to J	16 to D-07-06
L-7-01	7	A	Funter Bay	Lynn Canal	58°14.34'N	134°54.58'W	25	1500		27	Sh, P	E	CF, R	WD	SE07-03	H	22 to H	21 to L-06-03

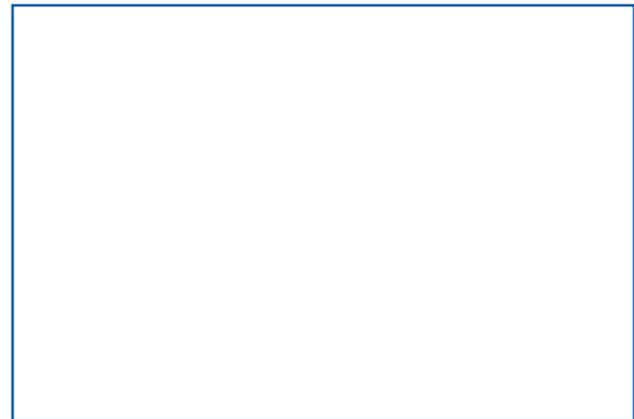
Table H-2 continued. Southeast Alaska PPOR Site Selection Matrix. Page 3 of 3.



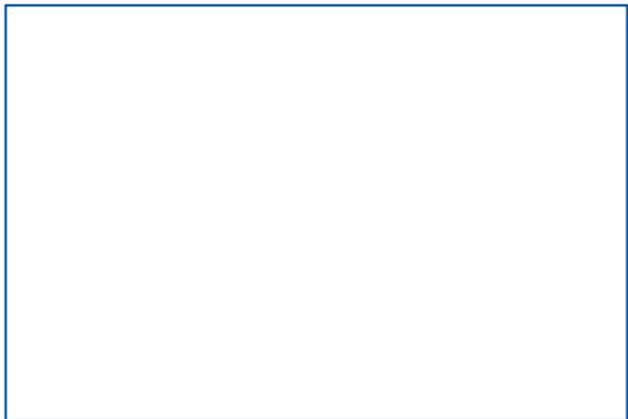
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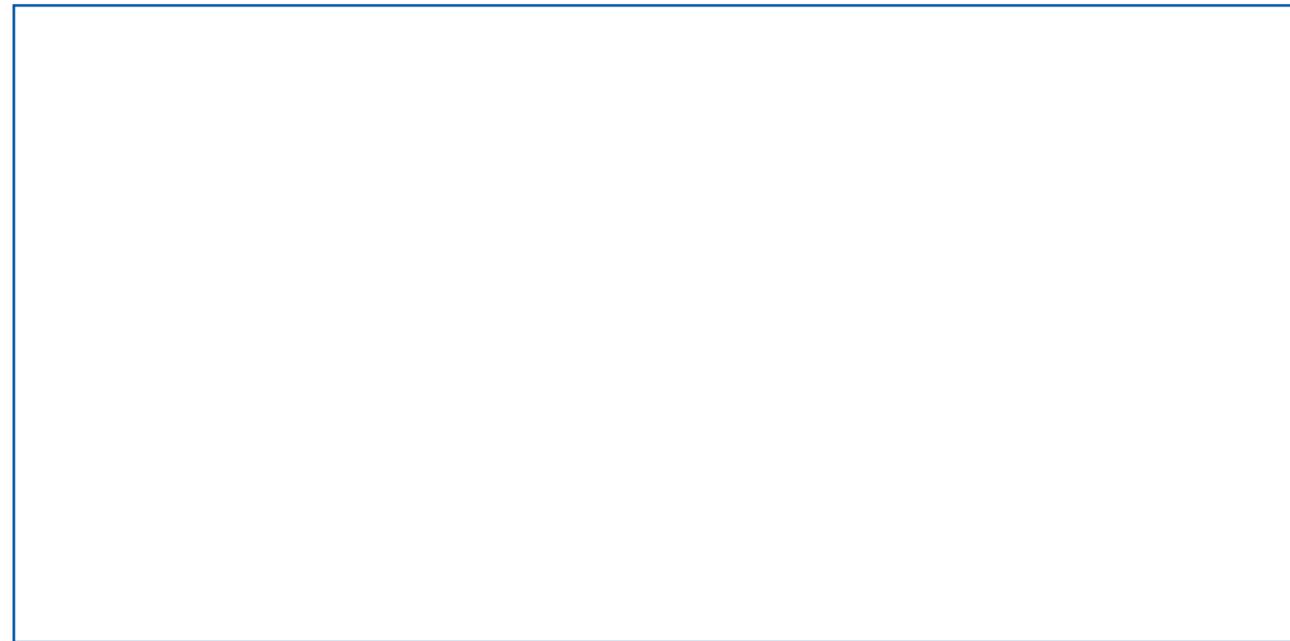
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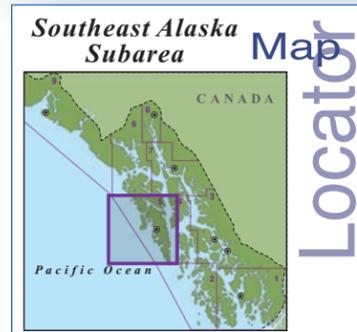
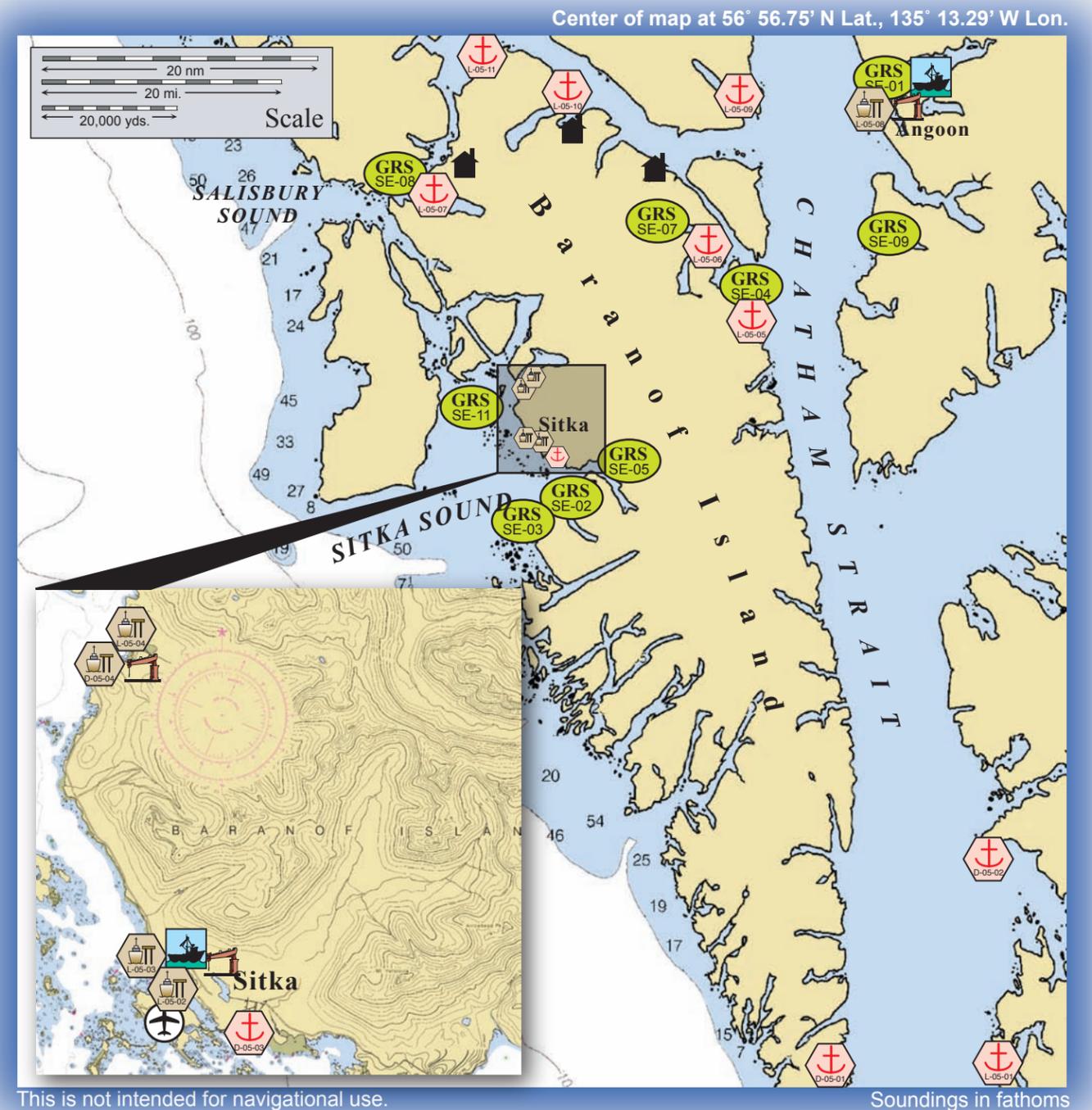


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Potential Places of Refuge for Southeast Alaska Subarea



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

**Southeast PPOR Map 05**

USGS 1:969,756K Quadrangle Map Reference - Dixon Entrance to Cape St Elias 16016\_1

**Site Considerations for PPOR Zone 05 of the Southeast Alaska Subarea**

	Port Conclusion	Tebenkof Bay	Eastern Anchorage	Samson Tug Dock	Port Malmesbury	USCG Dock	Sitka City Dock	Sitka Ferry Dock	Kasnyku Bay	Kelp Bay	Fish Bay	Angoon Ferry Terminal	Florence Bay	Point Elizabeth	Deadman Reach
ID Number	D-05-01	D-05-02	D-05-03	D-05-04	L-05-01	L-05-02	L-05-03	L-05-04	L-05-05	L-05-06	L-05-07	L-05-08	L-05-09	L-05-10	L-05-11
<b>Human Health &amp; Safety</b>															
Community-distance to (nm)	5 to Port Alexander	22 to Port Alexander	1.5 to Sitka	5 to Sitka	13 to Port Alexander	0 to Sitka	5 to Sitka	18 to Angoon	20 to Angoon	33 to Sitka	2 to Angoon	12 to Angoon	24 to Angoon	40 to Sitka	
Health Care Facilities	EMS services in Port Alexander		Full Hospital Services in Sitka		EMS services in Port Alexander	Full Hospital Services in Sitka		Clinic Services in Angoon		Full Hospital Services in Sitka	Clinic Services in Angoon			Full Hospital Services in Sitka	
<b>Natural Resources Considerations</b>															
Fish & Wildlife	Spawning salmon, seals, waterfowl concentrations	Spawning salmon, seals, waterfowl concentrations			Spawning salmon, seals, otters, waterfowl concentrations	Spawning salmon, herring, seals, otters, waterfowl and seabird concentrations			Spawning salmon, seals, otters, waterfowl, Steller sea lions in area	Spawning salmon, herring, seals, otters, waterfowl	Spawning salmon, seals, otters, waterfowl concentrations, humpback whale concentration				
Threatened & Endangered Species	Steller sea lions (threatened) haul-out at Cape Ommaney	None	Steller sea lions (threatened) in the area		None	Steller sea lions (threatened) in the area			Steller sea lion haulout in the area	None	Steller sea lions (threatened) in the area		None		
Sensitive Areas	No designated areas	Designated Wilderness Area	This locale is designated as a Special Management Area of the Sitka Coastal Mgt. Plan. Area designated sensitive by SE GRS Workgroup. MESA-62 St. Lazaria in Sitka Sound.		Not Designated	MESA-62 St. Lazaria Is. These locales are a Special Management Area of the Sitka Coastal Mgt. Plan. Designated high priority by SE GRS Workgroup.			Designated high priority by SE GRS Workgroup.	These locales are Special Management Areas of the Sitka Coastal Mgt. Plan.		Area designated high priority by SE GRS Workgroup.	These locales are a Special Management Area of the Sitka Coastal Mgt. Plan.		
<b>Other Stakeholder Considerations</b>															
Fisheries	Salmon, Groundfish, Crab		Salmon, Groundfish, Crab, Herring		Salmon, Groundfish, Crab	Salmon, Groundfish, Crab, Herring			Salmon, Crab, Groundfish	Salmon, Groundfish, Crab, Herring	Salmon, Crab, Groundfish				
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.														
Mariculture	Little Port Walter Fish Hatchery nearby	None	Hatchery and Shellfish Mariculture present		None Present	Hatchery and Shellfish Mariculture present			Hatchery rearing pens nearby	None present					
Subsistence	High local subsistence use	Low level subsistence use	High local subsistence use		Low level subsistence use	High local subsistence use-salmon, herring, crab									
Tourism/Recreation	High recreational use throughout the area-sport fishing, wildlife viewing, excursions, camping, cruise ships, hunting														
Waterfront Public Facilities/Parks	Tongass National Forest-No waterfront facilities	Tebenkof Bay Wilderness Area-no waterfront facilities	Municipality owned small boat harbor and supporting services are present in Sitka. Tongass National Forest	Starrigavan State Parks, Old Sitka State Historical Park, Starrigavan Forest Service campground. Sitka Harbor nearby	Tongass National Forest-No waterfront facilities	Municipality owned small boat harbor and supporting services are present in Sitka. Tongass National Forest	Starrigavan State Parks, Old Sitka State Historical Park, Starrigavan Forest Service campground. Sitka Harbor nearby	Tongass National Forest-No waterfront facilities	Tongass National Forest-Small cabin in bay	State Ferry Terminal	Tongass National Forest-No waterfront facilities				
Waterfront Private Facilities	None present		Numerous marine services docks and piers		None	Numerous marine services docks and piers			None	Private Docks	None	Private facilities in Angoon	None		
<b>Response and Salvage Resource Consideration</b>															
Ability to Boom Vessel	Weather Dependent		Weather Dependent	Yes	Weather Dependent	Yes	Yes	Weather Dependent	Yes	Weather Dependent		Yes	Weather Dependent		
Geographic Response Strategies	None (2009)		SE05-02,03,05,11	SE05-11	None (2009)	SE05-02,03,05,11			SE05-04	SE05-07	None (2009)	SE05-01	None (2009)		
Closest Alternative PPOR for a same sized vessel	20 to D-05-02	20 to D-05-01	9 to D-05-04	9 to D-05-03	12 to D-05-01	.25 to L-05-03	.25 to L-05-02	7 to L-05-03	8.75 to L-05-06	8.75 to L-05-05	15 to L-05-11	12 to L-05-09	12 to L-05-08	8.5 to L-05-11	8.5 to L-05-10

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft

Stakeholders for PPOR Zone 05 of the Southeast Alaska Subarea	
Year-2009	Contact
Alaska Department of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer
Angoon Community Association (IRA)	President
Central Council Tlingit-Haida Tribal	President
City and Borough of Sitka	Mayor
City of Angoon	Mayor
City of Port Alexander	Mayor
Native Allotments	Dept of the Interior-Regional Environmental Officer
Sealaska Corporation	President
Sitka Tribe of Alaska (IRA)	Chairperson
Tongass National Forest	Forest Supervisor

**Physical and Operational Characteristics for PPOR Map 05 of the Southeast Alaska Subarea**

	Port Conclusion	Tebenkof Bay	Eastern Anchorage	Samson Tug Dock	Port Malmesbury	USCG Dock	Sitka City Dock	Sitka Ferry Dock	Kasnyku Bay	Kelp Bay	Fish Bay	Angoon Ferry Terminal	Florence Bay	Point Elizabeth	Deadman Reach	
ID Number	D-05-01	D-05-02	D-05-03	D-05-04	L-05-01	L-05-02	L-05-03	L-05-04	L-05-05	L-05-06	L-05-07	L-05-08	L-05-09	L-05-10	L-05-11	
Location (in the general area)	56°15.89'N 134°39.89'W	56°32.31'N 134°18.09'W	57°02.27'N 135°18.22'W	57°07.74'N 135°22.98'W	56°16.77'N 134°16.61'W	57°03.00'N 135°20.72'W	57°03.24'N 135°20.88'W	57°07.98'N 135°22.75'W	57°12.91'N 134°50.93'W	57°18.63'N 134°56.70'W	57°22.64'N 135°35.12'W	57°28.33'N 134°33.97'W	57°29.89'N 134°52.82'W	57°30.34'N 135°16.26'W	57°33.33'N 135°28.51'W	
Maximum Vessel Size	Deep Draft Vessels- lengths to 1000 feet or greater, 20-40 feet of draft, greater than 10,000 GT				Light Draft Vessel - up to 450 feet in length, draft up to 20 feet											
Type of Berthing	Anchorage			Dock	Anchorage			Dock			Anchorage		Anchorage			
Contact	N/A		Harbormaster 907.747.3439	907.747.8559	N/A		Commanding Officer 907.966.5470	Harbormaster 907.747.3439	Ferry Office 907.747.8737	N/A		907.788.3653	N/A			
Navigational Approach	NE	S-SW	SW	SW	W	NW via marked channel-Approach has little maneuvering room			SW	E	E	W	S via marked channel	SE	NW-E	S-NE
Minimum Water Depths (MLLW)	41 fathoms	20 Fathoms	13 Fathoms	60/25 ft.	30 fathoms	42/22 ft.	37 ft.	30 ft.	33 fathoms	26 fathoms	33 fathoms	24 ft.	28 fathoms	27 fathoms	28 fathoms	
Maximum Vessel Draft	40 ft.		Varies		No minimum depth	20 ft.	32 ft.	25 ft.	No minimum depth, limited by approach and swing room			20 ft.	No minimum depth, limited by approach and swing room			
Swing Room or Dock Face (w/ dolphins)	2000 ft.	3000 ft.	2400 ft.	300/250 ft.	2400 ft.	283/185 ft.	350 ft.	460 ft.	1000 ft.	1700 ft.	2600 ft.	200 ft.	1500 ft.	2700 ft.	2400 ft.	
Bottom Type	Rocky	Gravel, Rocky, Hard	Mud	N/A	Rocky	N/A			Mud	Rocky	Mud	N/A	Hard	Hard	Mud, Sand, Hard	
Nearest Alternative Dock/Piers	79 nm to D-05-04	97 nm to D-05-04	8 nm to D-05-04	Options limited for additional deep draft docks	13 nm to D-05-01	.25 nm to L-05-03	.25 nm to L-05-02	.5 nm to D-05-04	18.75nm to L-05-08	19 nm to L-05-08	25 nm to L-05-04	12.5 nm to L-05-09	12.5 to L-05-08	24 nm to L-05-08	32.5 nm to L-05-08	
Nearest Alternative Anchorage	20 nm to D-05-02	20 nm to D-05-01	77 nm to D-05-01	8 nm to D-05-03	60 nm to L-05-04	4 nm to D-05-03	4 nm to D-05-03	9 nm to D-05-03	8.75 nm to L-05-06	8.75 nm to L-05-05	15 nm to L-05-11	54 nm L-04-03	17 nm to L-05-10	8.5 nm to L-05-11	8.5 nm to L-05-10	
Prevailing Winds	Strongest winds are usually out of the N, E, and SE. May through September NW winds dominate. E and SE winds blow more than 50 percent of the time from October through February															
Currents	Minimum currents in anchorage			Minimal current at the dock	Currents under 1 knot	Currents under 1 knot in Sitka Harbor			Minimal current at the dock	Minimum currents in anchorage		The current is between 1.4 and 2.5 knots in Peril Strait, areas to 9 knots	Minimal current at the dock	Minimum currents in anchorage		
Tides	Mean High 10.5 ft. (Higher 11.4) Mean Low ---- (Lower -4.0)	Mean High 10.9 ft. (Higher 11.8) Mean Low 1.5 (Lower -4.0)	Mean High 9.2ft. (Higher 9.9) Mean Low 1.5 (Lower 0.0)	Mean High 14.7 ft. (Higher 15.6) Mean Low 1.6 (Lower -4.5)	Mean High 10.3 ft. (Higher 11.2) Mean Low 1.5 (Lower -4.0)	Mean High 9.2ft. (Higher 9.9) Mean Low 1.5 (Lower ----)			Mean High 15 ft. (Higher 15.8) Mean Low 1.4 (Lower -4.5)	Mean High 15.6 ft. (Higher 16.5) Mean Low 1.5 (Lower -4.5)	Mean High 12.4 ft. (Higher 13.6) Mean Low 1.6 (Lower -4.0)	Mean High 13.2 ft. (Higher 14.1) Mean Low 1.6 (Lower -5.5)	Mean High 13.4 ft. (Higher 14.7) Mean Low 1.6 (Lower -5.0)			
Sea Conditions	Exposed to swells from the NE	Exposed to swells from the S to E	Sheltered	Sheltered	Exposed to swells from the SW	Sheltered			Exposed to swells from SE	Sheltered		Exposed to swells from S-SE				
Shelter from Severe Storms	Sheltered from SE-N storms	Sheltered from N-SE storms	Sheltered		Sheltered from NE-SE	Sheltered			Sheltered from S-N	Sheltered		Sheltered from E-W	Sheltered from E, N, S	Sheltered from N-W		
Fog	Frequent throughout the year. Chatham Strait area is often clear during foggy weather on the outer coast															

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: [http://www.dec.state.ak.us/spar/perp/plans/scp\\_se.htm](http://www.dec.state.ak.us/spar/perp/plans/scp_se.htm)

Potential Places of Refuge for Southeast Alaska Subarea



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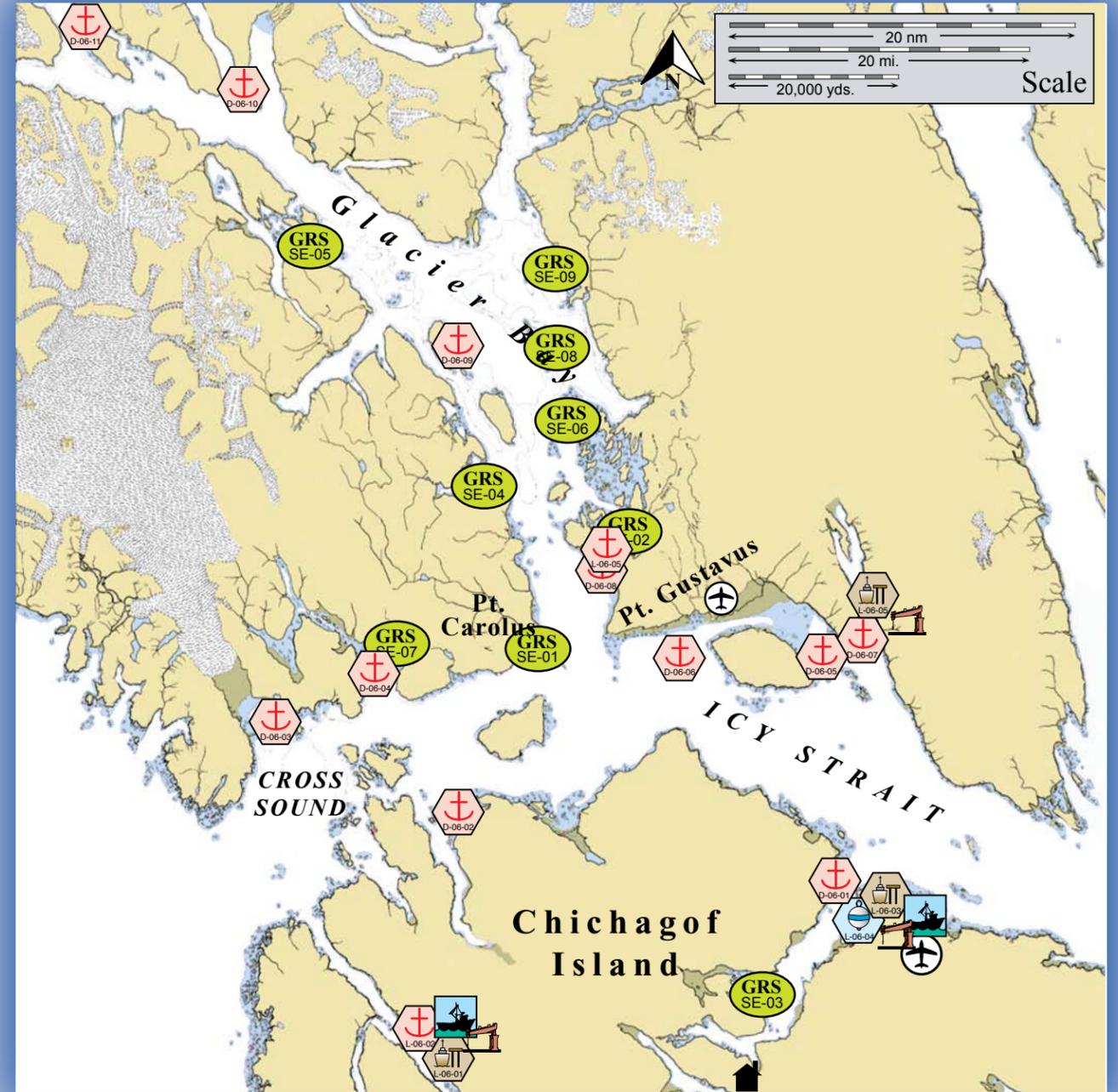


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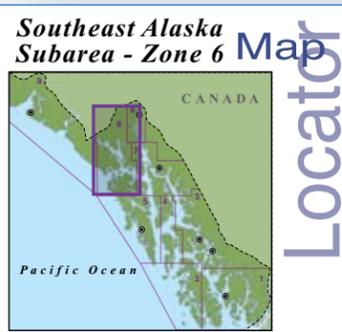
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Center of map at 58° 30.22' N Lat., 135° 57.50' W Lon.



This is not intended for navigational use.

Soundings in fathoms



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

**Southeast  
PPOR  
Map 06**

USGS 1:209,978K Quadrangle Map  
Reference - Stephens Passage to  
Cross Sound Including Lynn Canal  
17300\_1

Site Considerations for PPOR Zone 06 of the Southeast Alaska Subarea																	
	Port Frederick Anchorage-Halibut Rock	Idaho Inlet	Taylor Bay	Dundas Bay	East Pleasant Island	West Pleasant Island	Excursion Inlet	Outer Bartlett Cove	Drake Island Anchorage	Composite Island	Russell Island	Pelican Ferry Terminal	Lisianski Inlet	Hoonah Ferry Terminal	Hoonah Moorage	Excursion Inlet Cannery Dock	Inner Bartlett Cove
ID Number	D-06-01	D-06-02	D-06-03	D-06-04	D-06-05	D-06-06	D-06-07	D-06-08	D-06-09	D-06-10	D-06-11	L-06-01	L-06-02	L-06-03	L-06-04	L-06-05	L-06-06
<b>Human Health &amp; Safety</b>																	
Community-distance to (nm)	2.25 to Hoonah	19 to Gustavus	28 to Gustavus	21 to Gustavus	7 to Gustavus	2.5 to Gustavus	3.5 to Gustavus	1.5 to Gustavus	20 to Gustavus	38 to Gustavus	44 to Gustavus	0 to Pelican	1.5 to Pelican	.25 to Hoonah	2.25 to Hoonah	12 to Gustavus	.5 to Gustavus
Health Care Facilities	Community Clinic at Hoonah with limited emergency services	Community Clinic at Gustavus with limited emergency services										Community Clinic at Pelican with limited emergency services	Community Clinic at Hoonah with limited emergency services	Community Clinic at Gustavus with limited emergency services			
<b>Natural Resources Considerations</b>																	
Fish & Wildlife	Spawning salmon, seals, otters, seabird concentrations	Spawning salmon, seals, otters, seabird concentrations			Spawning salmon, seals, otters			Spawning salmon, seals, otters, seabird & waterfowl concentrations			Spawning salmon and herring, seals, otters, waterfowl concentrations		Spawning salmon, seals, otters, seabird concentrations		Spawning salmon, seals, otters	Spawning salmon, seals, otters, seabird & waterfowl concentrations	
Threatened & Endangered Species	No listed species present in the immediate area. Stellers sea lion (threatened) feed throughout the area.																
Sensitive Areas	Not Designated			Area designated as sensitive by SE GRS Workgroup	Not Designated	Area designated as sensitive by SE GRS Workgroup	Not Designated	Area designated as sensitive by SE GRS Workgroup				Not Designated		Area designated as sensitive by SE GRS Workgroup	Not Designated	Area designated high priority by SE GRS Workgroup.	
<b>Other Stakeholder Considerations</b>																	
Fisheries	Salmon, Groundfish, Crab																
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.																
Mariculture	None	Nearby in Port Althrop				None											
Subsistence	High level of subsistence use-salmon, intertidal	Lowlevel local subsistence use								High level of subsistence use-salmon, intertidal				Low level of subsistence use			
Tourism/Recreation	High Recreational Use-Sport fishing, wildlife viewing, camping, excursion vessels and cruise ships																
Waterfront Public Facilities/Parks	Municipality owned small boat harbor and supporting services are present. Tongass National Forest	Glacier Bay National Park-No public waterfront facilities			Tongass National Forest and Glacier Bay National Park-No waterfront facilities			Glacier Bay National Park-Public Small Boat Dock in Bartlett Cove				Municipality owned small boat harbor and supporting services are present. Tongass National Forest		Tongass National Forest-Small Boat facilities available in Hoonah		Tongass National Forest-No public waterfront facilities	Glacier Bay National Park Public Small Boat Dock in Bartlett Cove
Waterfront Private Facilities	Private docks and cargo services nearby	None present					Active Cannery Facility	Glacier Bay Lodge and Visitors Center				Private docks and cargo services nearby				Active cannery facility	Glacier Bay Lodge and Visitors Center
<b>Response and Salvage Resource Consideration</b>																	
Ability to Boom Vessel	Weather Dependent																
Geographic Response Strategies	SE06-03	None (2009)			SE06-06,07	None (2009)	SE06-01	None (2009)	SE06-02	SE06-04,06,08	SE06-08,09	SE06-05	None (2009)		SE06-03	None (2009)	SE06-02
Closest Alternative Place of Refuge for same sized vessel	14 to D-06-05	9.5 to D-06-03	9.5 to D-06-02	9.5 to D-06-02	2.5 to D-06-06	2.5 to D-06-05	2.5 to D-06-05	10 to D-06-07	17 to D-06-08	11 to D-06-11	11 to D-06-10	1.5 to L-06-02	1.5 to L-06-01	2 to L-06-04	2 to L-06-03	18 to L-05-03	26 to L-06-03

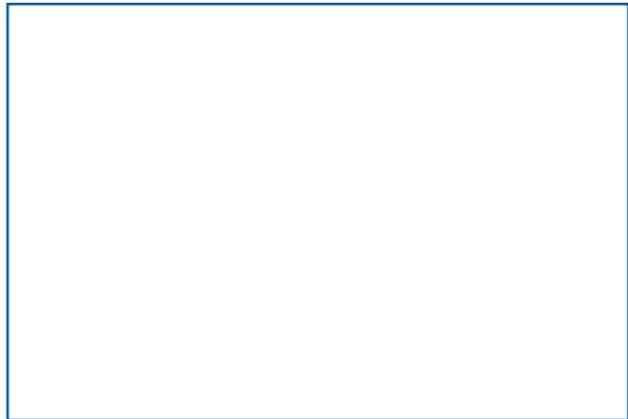
Site ID Number and Vessel Size Classification	Stakeholders for PPOR Zone 06 of the Southeast Alaska Subarea															
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT	Year-2009		Contact		Year-2009		Contact		Year-2009		Contact		Year-2009		Contact	
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft	Alaska Department of Fish & Game	Resource Manager	City of Gustavus	Mayor	Glacier Bay National Park	Dept of the Interior-Regional Environmental Officer	Native Allotments	Dept of the Interior-Regional Environmental Officer	Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer	City of Hoonah	President	Hoonah Indian Association (IRA)	Mayor	Sealaska Corporation	President
	Central Council Tlingit-Haida Tribal	President	City of Pelican	Mayor	Huna Totem Corporation	President	Tongass National Forest	Forest Supervisor								

Physical and Operational Characteristics for PPOR Map 06 of the Southeast Alaska Subarea																		
	Port Frederick Anchorage-Halibut Rock	Idaho Inlet	Taylor Bay	Dundas Bay	East Pleasant Island	West Pleasant Island	Excursion Inlet	Outer Bartlett Cove	Drake Island Anchorage	Composite Island	Russell Island	Pelican Ferry Terminal	Lisianski Inlet	Hoonah Ferry Terminal	Hoonah Moorage	Excursion Inlet Cannery Dock	Inner Bartlett Cove	
ID Number	D-06-01	D-06-02	D-06-03	D-06-04	D-06-05	D-06-06	D-06-07	D-06-08	D-06-09	D-06-10	D-06-11	L-06-01	L-06-02	L-06-03	L-06-04	L-06-05	L-06-06	
Location (in the general area)	58°07.88'N 135°30.39'W	58°12.51'N 136°11.48'W	58°17.45'N 136°32.70'W	58°20.36'N 136°20.31'W	58°21.50'N 135°31.59'W	58°21.56'N 135°47.09'W	58°22.45'N 135°27.24'W	58°26.42'N 135°55.70'W	58°39.27'N 136°11.52'W	58°53.79'N 136°35.14'W	58°57.28'N 136°52.66'W	57°57.46'N 136°13.65'W	57°58.72'N 136°15.01'W	58°06.99'N 135°27.38'W	58°06.16'N 135°28.14'W	58°24.97'N 135°26.82'W	58°27.13'N 135°54.97'W	
Maximum Vessel Size	Deep Draft Vessels- lengths to 1000 feet or greater, 20-40 feet of draft, greater than 10,000 GT											Light Draft Vessel - up to 450 feet in length, draft up to 20 feet						
Type of Berthing	Anchorage																	
Contact	N/A																	
Navigational Approach	N from South Passage	N from South Passage	Approach from the S	Approach from the S	Approach from the SE	Approach from the S-W	Approach from the S	Approach from the W	Approach from the N-SE	Approach from the S	Approach from the SW	Approach from the NW	Approach from the NW	Approach from the W	Approach from the NW	Approach from the S	Approach from the W	
Minimum Water Depths (MLLW)	13 fathoms	20 fathoms	32 Fathoms	12 Fathoms	23 Fathoms	31 Fathoms	14 Fathoms	21 fathoms	14 fathoms	24 fathoms	30 fathoms	20 ft.	20 fathoms	25 ft.	28 fathoms	25 ft.	28 fathoms	
Maximum Vessel Draft	40 ft. +		40 ft.				40 ft. +		40 ft.		40 ft. +		20 ft. (tidal dependent)		20 ft.			
Swing Room or Dock Face (w/ dolphins)	3600 ft.	3600 ft.	3000 ft.	3000 ft.	4200 ft.	6000 ft.	3000 ft.	3600 ft.	3600 ft.	2400 ft.	2000 ft.	185 ft.	1200 ft.	400 ft.	1200 ft.	130 ft.	2800 ft.	
Bottom Type	Rocky	Mud	Shells	Mud, Rocky	Mud				Rocky	Mud, Sand	Mud	N/A	Gravel	N/A	N/A	N/A	Mud	
Nearest Alternative Dock/Piers	65 nm to Juneau Docks	95 nm to dock in Sitka	97 nm to dock in Sitka	104 nm to dock in Sitka	75 nm to Juneau Docks	85 nm to Juneau Docks	88 nm to Juneau Docks	107 nm to Juneau Docks	120 nm to Juneau Docks	140 nm to Juneau Docks	150 nm to Juneau Docks	45 nm to L-06-03	1.5 nm to L-06-01	45 nm to L-06-01	1 nm to L-05-03	25 to L-05-03	27 nm to L-05-03	
Nearest Alternative Anchorage	14 to D-06-05	9 nm to D-06-04	7 nm to D-06-04	9 nm to D-06-03	3 nm to D-06-07	13 nm to D-06-05	3 nm to D-06-05	10 nm to D-06-06	16 nm to D-06-08	11 nm to D-06-09	10 nm to D-06-10	1.5 to L-06-02	37 nm to L-06-06	1.5nm to L-06-04	16 to L-07-01	19 nm to D-06-04	25 to L-06-04	
Prevailing Winds	Strongest winds are usually out of the N, E, and SE. May through September NW winds dominate. E and SE winds blow more than 50 percent of the time from October through February																	
Currents	Cross Sound has currents up to 1.2 to 2 knts in the wide parts. Significantly more current in constricted areas.		Cross Sound has currents up to 1.2 to 2 knts in the wide parts. Significantly more current in constricted areas.			Light currents in the Strait. Minimal currents at the anchorages			Currents in the channel are significant.		Current has little velocity		Little current at dock face	Light current	Little current at dock face	Light current	Light current at dock face.	Currents in the channel are significant.
Tides	Mean High 9.6 ft. (Higher 10.4) Mean Low 1.5 (Lower -0.0)	Mean High 9.6 ft. (Higher 10.4) Mean Low 1.5 (Lower -0.0)			Mean High 13.5 ft. (Higher 14.5) Mean Low 1.5 (Lower 0.0)				Mean High 13.7 ft. (Higher 14.6) Mean Low 1.6(Lower -4.5)	Mean High 15.1ft. (Higher 16) Mean Low 1.7 (Lower -4.5)	Mean High 15.6ft. (Higher 16.5) Mean Low 1.7 (Lower -4.5)	Mean High 9.5 ft. (Higher 10.4) Mean Low 1.4 (Lower -4.0)		Mean High 9.5 ft. (Higher 10.4) Mean Low 1.4 (Lower -4.0)	Mean High 13.4 ft. (Higher 14.8) Mean Low 1.5 (Lower 0.0)	Mean High 13.4 ft. (Higher 14.8) Mean Low 1.5 (Lower 0.0)	Mean High 13.5 ft. (Higher 14.5) Mean Low 1.5 (Lower 0.0)	Mean High 13.7 ft. (Higher 14.6) Mean Low 1.6(Lower -4.5)
Sea Conditions	Exposed to swells from the N	Exposed to swells from the N	Exposed to swells from the S	Exposed to swells from the S	Exposed to swells from the S-W	Exposed to swells from the SE	Exposed to swells from the S	Exposed to swells from the S	Exposed to swells from the S	Exposed to swells from the N	Sheltered						Exposed to swells from S	Exposed to swells from W
Shelter from Severe Storms	Sheltered from E-W storms	Sheltered from E-W storms	Sheltered from W-E storms		Sheltered from W-E	Sheltered from N-S storms	Sheltered from W-E storms	Sheltered from N-S	Sheltered from E-W	Strong winds may funnel out of the inlets		Sheltered				Sheltered from N,E,W	Sheltered from N-S	
Fog	Frequent throughout the year. Heaviest from June-July.																	
Ice	Ice can form in bays from November until May if colder conditions prevail.																	

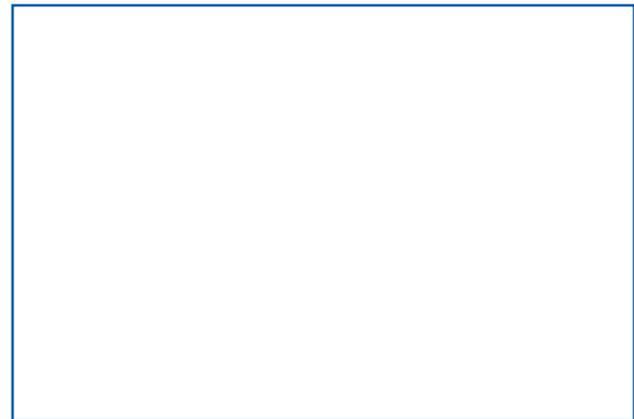
NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: [http://www.dec.state.ak.us/spar/perp/plans/scp\\_se.htm](http://www.dec.state.ak.us/spar/perp/plans/scp_se.htm)



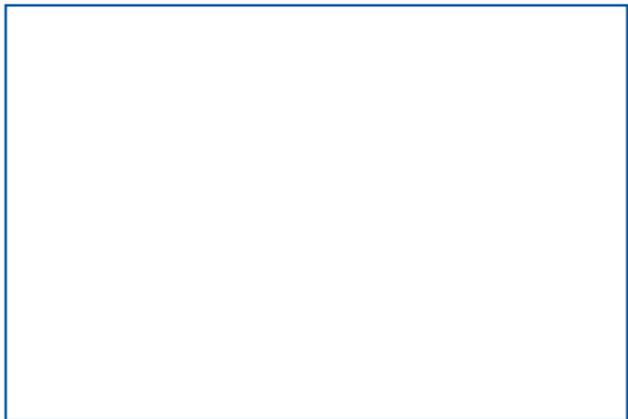
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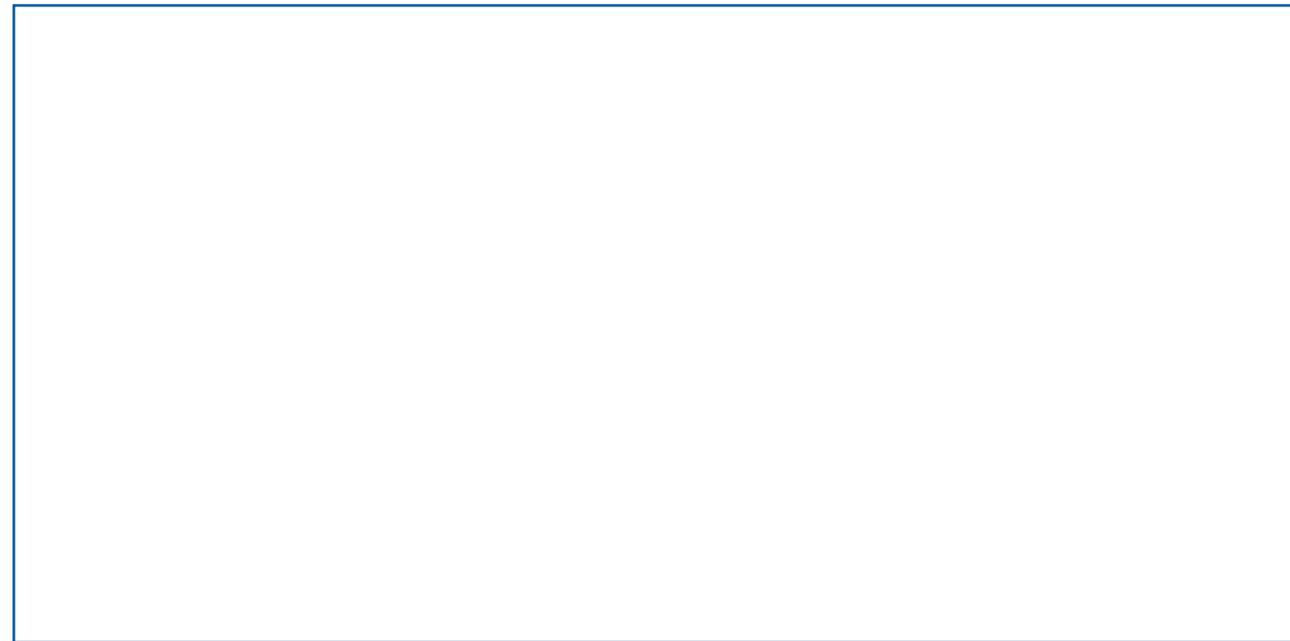
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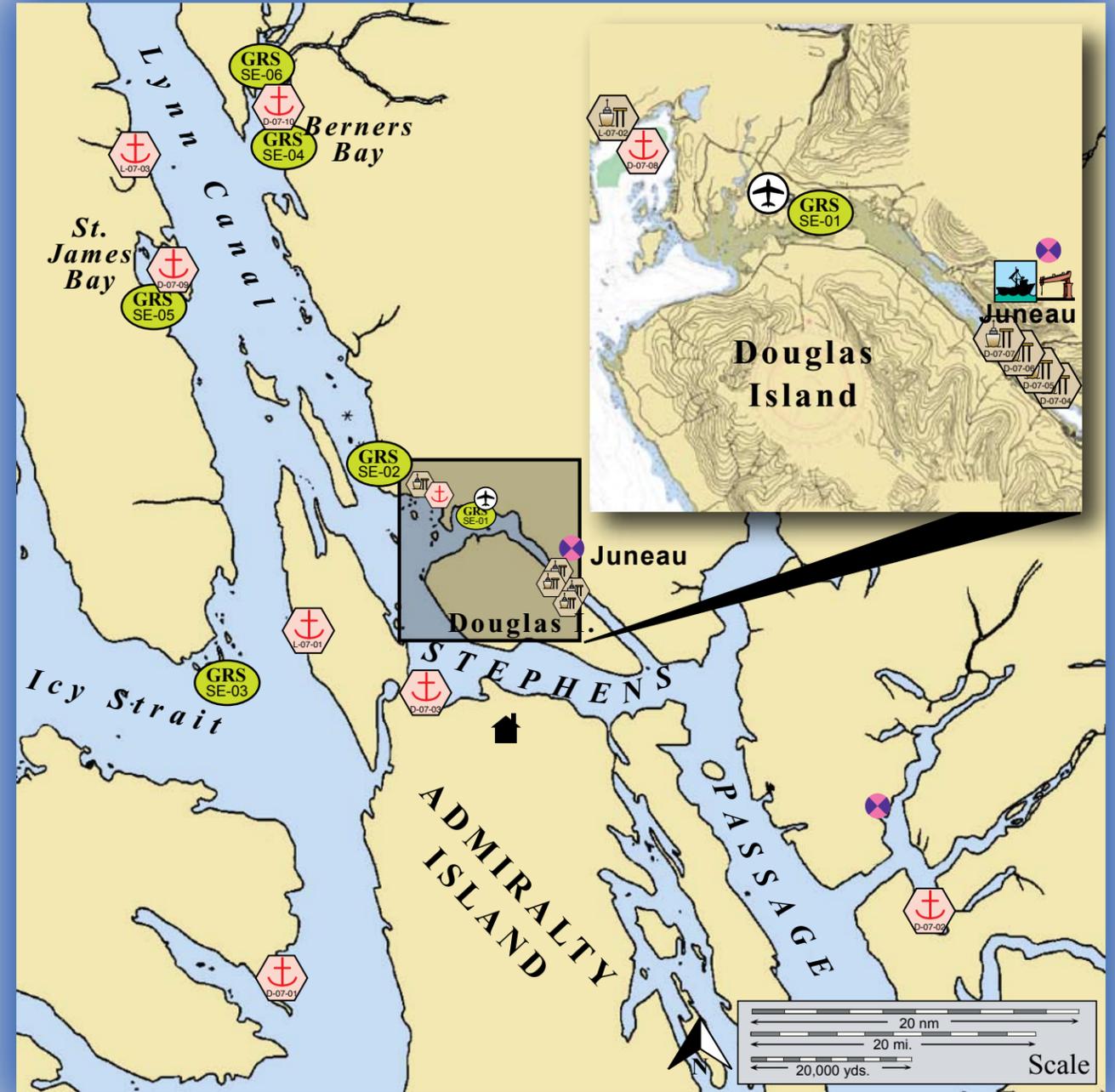
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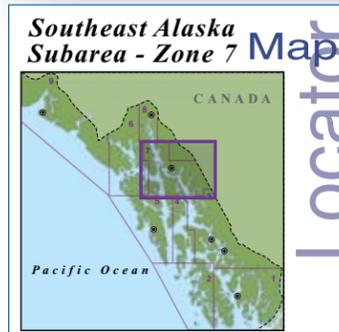
Potential Places of Refuge for Southeast Alaska Subarea

Center of map at 58° 21.27' N Lat., 134° 26.78' W Lon.



This is not intended for navigational use.

Soundings in fathoms



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

**Southeast PPOR Map 07**

USGS 1:969,756K Quadrangle Map Reference - Dixon Entrance to Cape St Elias - 16016\_1

**Site Considerations for PPOR Zone 07 of the Southeast Alaska Subarea**

	Lyookeen Cove	Gilbert Bay	Young Bay	AJ Dock	South Franklin Dock	Cruise Ship Terminal/ Steamship Wharf	USCG Dock	Auke Bay	St James Bay	Berners Bay	Funter Bay	Auke Bay Ferry Terminal	William Henry Bay	
ID Number	D-07-01	D-07-02	D-07-03	D-07-04	D-07-05	D-07-06	D-07-07	D-07-08	D-07-09	D-07-10	L-07-01	L-07-02	L-07-03	
<b>Human Health and Safety</b>														
Community-distance to (nm)	27 to Tenakee Springs	37 to Juneau	26 to Juneau	1 to Juneau	.5 to Juneau	.5 to Juneau	0 to Juneau	8 to Juneau (via road system)	53 to Juneau	58 to Juneau	21 to Hoonah	12 to Juneau (via road system)	59 to Juneau	
Health Care Facilities	Community Clinic at Tenakee Springs with limited emergency services	Full hospital services at Juneau										Community Clinic at Hoonah with limited emergency services	Full hospital services at Juneau	
<b>Natural Resources Considerations</b>														
Fish & Wildlife	Spawning salmon, seals, otters	Spawning salmon, seals, otters, seabird concentrations	Spawning salmon, seals, otters	Spawning salmon, seals, otters, seabird and shorebird concentrations				Spawning salmon, seals, sea lions, otters	Spawning salmon and herring, seals, sea lions, otters, seabird and shorebird concentrations	Spawning salmon, seals, otters	Spawning salmon, seals, otters, seabird and shorebird concentrations	Spawning salmon, seals, sea lions, otters	Spawning salmon, seals, sea lions, otters	
Threatened & Endangered Species	No listed species present in the immediate area								Stellers sea lions (threatened) haul out nearby	No listed species present in the immediate area			Stellers sea lions (threatened) haul out nearby	
Sensitive Areas	No designated areas			MESA-61 nearby. Area designated as sensitive by SE GRS Workgroup				Area designated as sensitive by SE GRS Workgroup.	No designated areas	MESA-61 nearby. Area designated as sensitive by SE GRS Workgroup.				
<b>Other Stakeholder Considerations</b>														
Fisheries	Salmon, Groundfish, Crab													
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.													
Mariculture	None	Salmon Hatchery	None	Salmon Hatchery				None			Salmon Hatchery	None		
Subsistence	Low level local subsistence				High level of subsistence use-salmon, intertidal									
Tourism/Recreation	High Recreational Use-Sport fishing, wildlife viewing, excursion vessels, cruise ships, camping, hunting													
Waterfront Public Facilities/Parks	Tongass National Forest -No waterfront facilities		Tongass National Forest - Small recreational cabin in Admiralty Cove	Juneau Port and Harbor. Freight handling services, cranes, boat launch, tidal grid. Tongass National Forest				Tongass National Forest -No waterfront facilities			Juneau port and harbor. Freight handling services, cranes, boat launch, tidal grid. Tongass National Forest.	Tongass National Forest -No waterfront facilities		
Waterfront Private Facilities	None present		Small private dock	Numerous private docks and cargo handling capabilities.				None present			Numerous private docks and cargo handling capabilities.	None present		
<b>Response and Salvage Resource Consideration</b>														
Ability to Boom Vessel	Weather Dependent				Yes				Weather Dependent				Yes	Weather Dependent
Geographic Response Strategies	None (2009)				SE07-01				SE07-01,02	SE07-05	SE07-04,06	SE07-03	SE07-01,02	None (2009)
Closest Alternative Place of Refuge for same sized vessel	30 to D-06-01	25 to D-03-04	24 to D-07-04	.25 to D-07-05	.25 to D-07-04	.25 to D-07-05	.3 to D-07-06	10 to D-07-03	12 to D-07-10	12 to D-07-09	23 to L-06-02	1 to D-07-08	14 to L-08-01	

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft

Stakeholders for PPOR Zone 07 of the Southeast Alaska Subarea							
Year-2009	Contact	Year-2009	Contact	Year-2009	Contact	Year-2009	Contact
Alaska Department of Fish & Game	Resource Manager	Central Council Tlingit-Haida Tribal	President	Haines Borough	Mayor	Sealaska Corporation	President
Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer	City and Borough of Juneau	Mayor	Native Allotments	Dept of the Interior-Regional Environmental Officer	Tongass National Forest	Forest Supervisor

**Physical and Operational Characteristics for PPOR Map 07 of the Southeast Alaska Subarea**

	Lyookeen Cove	Gilbert Bay	Young Bay	AJ Dock	South Franklin Dock	Cruise Ship Terminal/ Steamship Wharf	USCG Dock	Auke Bay	St James Bay	Berners Bay	Funter Bay	Auke Bay Ferry Terminal	William Henry Bay
ID Number	D-07-01	D-07-02	D-07-03	D-07-04	D-07-05	D-07-06	D-07-07	D-07-08	D-07-09	D-07-10	L-07-01	L-07-02	L-07-03
Location (in the general area)	57°53.03'N 134°57.71'W	57°57.22'N 133°42.19'W	58°10.61'N 134°40.80'W	58°17.38'N 134°23.87'W	58°17.46'N 134°23.64'W	58°17.82'N 134°24.24'W	58°17.88'N 134°24.72'W	58°22.19'N 134°40.04'W	58°36.09'N 135°10.09'W	58°46.00'N 134°57.20'W	58°14.34'N 134°54.58'W	58°22.86'N 134°41.10'W	58°43.11'N 135°14.25'W
Maximum Vessel Size	Deep Draft Vessels- lengths to 1000 feet or greater, 20-40 feet of draft, greater than 10,000 GT										Light Draft Vessel - up to 450 feet in length, draft up to 20 feet		
Type of Berthing	Anchorage			Dock				Anchorage				Dock	Anchorage
Contact	N/A			Port Manager 907.586.1282	Operations Director 907.463.3900	Port Director 907.586.0292	Duty Officer 907.463.2248	N/A				907.465.3941	N/A
Navigational Approach	Approach from the E	Approach from the N	Approach from the N-E	Approach using marked channel from the SE				Approach from the SW	Approach from the S	Approach from the SW	Approach from the W	Approach from the SW	Approach from the NE
Minimum Water Depths (MLLW)	24 Fathoms	30 Fathoms	22 Fathoms	34 ft.	30 ft.	27-35 ft.	36 ft.	29 Fathoms	10 Fathoms	27 Fathoms	27 Fathoms	26 ft.	13 Fathoms
Maximum Vessel Draft	40 ft.	40 ft.	40 ft.	30 ft.	30 ft. (Tidal Dependent)	27 ft. (Tidal Dependent)	35 ft.	40 ft.	40 ft.	40 ft.	20 ft.	20 ft.	20 ft.
Swing Room or Dock Face (w/ dolphins)	3600 ft.	2800 ft.	3000 ft.	380 ft. (1100ft.)	960 ft.	1700 ft.	760 ft.	3600 ft.	2400 ft.	3000 ft.	1500 ft.	850 ft.	900 ft.
Bottom Type	Sand	Mud	Mud, Gravel	N/A				Mud	Mud, Pebbles	Mud	Shells, Pebble	N/A	Sand
Nearest Alternative Dock/Piers	73 nm to Port of Juneau	36 nm to D-07-04	25 nm to D-07-04	.25 nm to D-07-05	.25 nm to D-07-04	.25 nm to D-07-05	.3 nm to D-07-06	30 nm to D-07-04	48 nm to D-07-04	38 nm to D-08-01	49 nm to D-07-04	31 nm to D-07-04	30 nm to L-07-02
Nearest Alternative Anchorage	35 nm to D-06-01	25 nm to D-03-04-Holkham Bay	12 nm to D-07-09	22 nm to D-07-03	22.25 nm to D-07-03	22.5 nm to D-07-03	23 nm to D-07-03	10 nm to D-07-03	12 nm to D-07-10	12 nm to D-07-09	23 nm to L-06-02	1 nm to D-07-09	14 nm to L-08-01
Prevailing Winds	SE Winds prevail year round. SE gales may occur at any season, but they are much more frequent in winter than in summer.												
Currents	Minimal currents at anchorage	Significant currents at entrance to the bay	Minimal currents at anchorage	Mid-channel currents to 2 knts. Less current in wharves.				Minimal currents at anchorage				Minimal current at dock face	Minimal currents at anchorage
Tides	N/A	Mean High 14.9 ft. (Higher 15.8) Mean Low 1.5 (Lower -5.5)	Mean High 14.2 ft. (Higher 15.0) Mean Low 1.3 (Lower -6.0)	Mean High 15.3 ft. (Higher 16.3) Mean Low 1.6 (Lower 0.0)				Mean High 15.0 ft. (Higher 15.9) Mean Low 1.5 (Lower 0.0)	Mean High 14.8 ft. (Higher 15.7) Mean Low 1.6(Lower -6.0)	Mean High 14.2 ft. (Higher 15.1) Mean Low 1.6 (Lower -6.0)	Mean High 15.0 ft. (Higher 15.9) Mean Low 1.5 (Lower 0.0)	Mean High 14.8 ft. (Higher 15.7) Mean Low 1.6 (Lower -6.0)	
Sea Conditions	Exposed to swells from the E	Exposed to swells from the N	Exposed to swells from the N	Sheltered				Exposed to swells from the S	Exposed to swells from the S	Exposed to swells from the SW	Exposed to swells from the W	Sheltered	Exposed to swell from the NE
Shelter from Severe Storms	Sheltered from S-N storms	Sheltered from W-E storms	Exposed to storms from the NW					Sheltered from W-E storms	Sheltered from W-SE	Sheltered from W-S	Sheltered from NW-SE	Sheltered	Sheltered from E-N
Fog	Frequent throughout the year. Heaviest from June-July.												
Ice	Generally ice free.												

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: [http://www.dec.state.ak.us/spar/perp/plans/scp\\_se.htm](http://www.dec.state.ak.us/spar/perp/plans/scp_se.htm)



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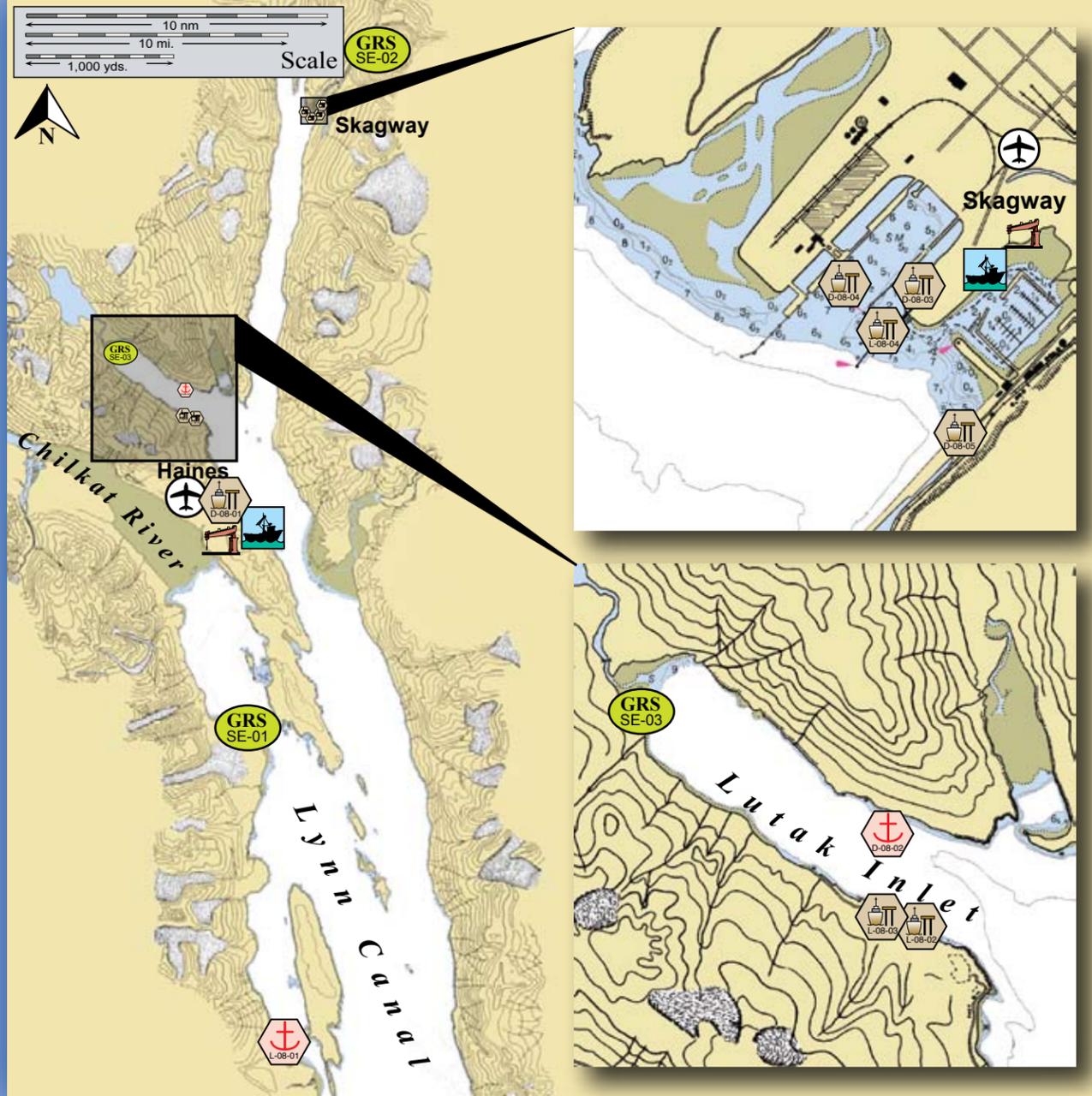
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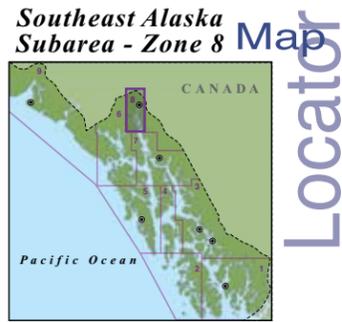
Potential Places of Refuge for Southeast Alaska Subarea

Center of map at 59° 12.41' N Lat., 135° 03.80' W Lon.



This is not intended for navigational use.

Soundings in fathoms



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

# Southeast PPOR Map 08

USGS 1:77,812K Quadrangle  
Map Reference - Lynn Canal Point  
Sherman to Skagway - 17317\_1

Site Considerations for PPOR Zone 08 of the Southeast Alaska Subarea									
	Port Chilkoot Wharf	Lutak Inlet Anchorage	Broadway Dock	Ore Dock	Railroad Dock	Sullivan Island	Haines Ferry Terminal/Lutak Dock	Haines Municipal Dock	Skagway Ferry and Barge Terminal
ID Number	D-08-01	D-08-02	D-08-03	D-08-04	D-08-05	L-08-01	L-08-02	L-08-03	L-08-04
<b>Human Health &amp; Safety</b>									
Community-distance to (nm)	0 to Haines	6 to Haines	0 to Skagway	0 to Skagway	0 to Skagway	21 to Haines	3 to Haines	3 to Haines	0 to Skagway
Health Care Facilities	Community Clinics in Haines and Skagway with emergency services								
<b>Natural Resources Considerations</b>									
Fish & Wildlife	Spawning salmon, seal, otters, eagle nesting								
Threatened & Endangered Species	No listed species present in the immediate area. Stellers sea lion (threatened) feed throughout the area.								
Sensitive Areas	MESA-60 nearby. Area designated as sensitive by SE GRS Workgroup.	Area designated as sensitive by SE GRS Workgroup.			No designation		MESA-60 nearby. Area designated as sensitive by SE GRS Workgroup.	Area designated as sensitive by SE GRS Workgroup.	
<b>Other Stakeholder Considerations</b>									
Fisheries	Salmon, Groundfish, Crab								
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.								
Mariculture	None	Salmon Hatchery	None			Salmon Hatchery		None	
Subsistence	No	Low level local subsistence	No			Low level local subsistence		No	
Tourism/Recreation	High Recreational Use-Sport fishing, wildlife viewing, camping, excursion vessels and cruise ships								
Waterfront Public Facilities/Parks	Municipality owned small boat harbor and supporting services are present in Haines. Tongass National Forest.	Municipality owned small boat harbor and supporting services are present in Skagway. Tongass National Forest.			Tongass National Forest -No waterfront facilities		Municipality owned small boat harbor and supporting services are present in Haines. Tongass National Forest.	Municipality owned small boat harbor and supporting services are present in Skagway. Tongass National Forest.	
Waterfront Private Facilities	Numerous small docks and piers in the Haines area. Cranes and freight handling capabilities present.	Numerous small docks and piers in the Skagway area. Cranes and freight handling capabilities present.			None Present		Numerous small docks and piers in the Haines area. Cranes and freight handling capabilities present.	Numerous small docks and piers in the Skagway area. Cranes and freight handling capabilities present.	
<b>Response and Salvage Resource Consideration</b>									
Ability to Boom Vessel	Yes	Weather Dependent	Yes			Weather Dependent		Yes	
Geographic Response Strategies	None (2009)	SE08-03	SE08-02			None (2009)		SE08-03	
Closest Alternative Place of Refuge for same sized vessel	3.5 to D-08-02	3.5 to D-08-01	.1 to D-08-04	.1 to D-08-03	.1 to D-08-04	26 to L-08-03	.1 to L-08-03	.1 to L-08-02	.1 to D-08-03

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft

Stakeholders for PPOR Zone 08 of the Southeast Alaska Subarea							
Year-2009	Contact	Year-2009	Contact	Year-2009	Contact	Year-2009	Contact
Alaska Department of Fish & Game	Resource Manager	Chilkoot Indian Association (IRA)	President	Municipality of Skagway	Mayor	Skaqua Traditional Council	Tribal Chair
Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer	City of Haines	Mayor	Native Allotments	Dept of the Interior-Regional Environmental Officer	Tongass National Forest	Forest Supervisor
Central Council Tlingit-Haida Tribal	President	Haines Borough	Mayor	Sealaska Corporation	President		

Physical and Operational Characteristics for PPOR Map 08 of the Southeast Alaska Subarea										
	Port Chilkoot Wharf	Lutak Inlet Anchorage	Broadway Dock	Ore Dock	Railroad Dock	Sullivan Island	Haines Ferry Terminal/Lutak Dock	Haines Municipal Dock	Skagway Ferry and Barge Terminal	
ID Number	D-08-01	D-08-02	D-08-03	D-08-04	D-08-05	L-08-01	L-08-02	L-08-03	L-08-04	
Location (In the general area)	59°14.04'N 135°26.34'W	59°17.70'N 135°28.50'W	59°27.02'N 135°19.46'W	59°27.01'N 135°19.62'W	59°26.77'N 135°19.47'W	58°55.86'N 135°21.50'W	59°16.94'N 135°27.83'W	59°17.19'N 135°28.72'W	59°26.94'N 135°19.56'W	
Maximum Vessel Size	Deep Draft Vessels- lengths to 1000 feet or greater, 20-40 feet of draft, greater than 10,000 GT					Light Draft Vessel - up to 450 feet in length, draft up to 20 feet				
Type of Berthing	Dock	Anchorage	Dock			Anchorage	Dock			
Contact	Harbormaster 907.766.2448	N/A	Operations Manager 907.983.2214			N/A	Terminal Operations 907.766.2111	Harbormaster 907.766.2448	Harbormaster 907.983.2628	
Navigational Approach	Approach from the E	Approach from the SE	Approach from the SW			Approach from the SE or NW	Approach from the S		Approach from the SW	
Minimum Water Depths (MLLW)	40 Feet	41 Fathoms	35 Feet	45-90 Feet	24-43 Feet	19 Fathoms	23 Feet	12-23 Feet	25 Feet	
Maximum Vessel Draft	35 ft.	40 ft.	30 ft.	40 ft.	40 ft.	20 ft.	20 ft.	20 ft.	20 ft.	
Swing Room or Dock Face (w/ dolphins)	915 ft.	2400 ft.	800 ft.	1000 ft.	1850 ft.	2000 ft.	640 ft.	750 ft.	385 ft.	
Bottom Type	N/A	Mud	N/A			Mud	N/A			
Nearest Alternative Dock/Piers	13.5 nm to D-08-03	5 nm to D-08-01	.1 nm to D-08-04	.1 nm to D-08-03	.15 nm to D-08-03	23 nm to L-08-02	.25 nm to L-08-03	.25 nm to L-08-02	.1 nm to D-08-03	
Nearest Alternative Anchorage	5 nm to D-08-02	44 nm to D-07-08	12.5 nm to D-08-02	12.5 nm to D-08-02	12.5 nm to D-08-02	16 nm to D-08-02	2 nm to D-08-02	2 nm to D-08-02	14.5 nm to D-08-02	
Prevailing Winds	SE winds prevail year round. SE gales may occur at any season, but they are much more frequent in winter than in summer. High shores funnel and intensify the SE winds.									
Currents	Currents in Lynn Canal have a velocity of 0.3 to 1 knot in the S part, diminishing in velocity toward the head.									
Tides	Mean High 15.8 ft. (Higher 16.8) Mean Low 0.0 (Lower -6.0)			Mean High 15.7 ft. (Higher 16.7) Mean Low 1.6 (Lower 0.0)			Mean High 15.8 ft. (Higher 16.8) Mean Low 0.0 (Lower -6.0)		Mean High 15.7 ft. (Higher 16.7) Mean Low 1.6 (Lower 0.0)	
Sea Conditions	Sheltered					Exposed to swells from the N		Sheltered		
Shelter from Severe Storms	Sheltered from severe storms					Sheltered from NE-NW storms		Sheltered from severe storms		
Fog	Frequent throughout the year. Heaviest from June-July.									
Ice	Generally ice free.									

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: [http://www.dec.state.ak.us/spar/perp/plans/scp\\_se.htm](http://www.dec.state.ak.us/spar/perp/plans/scp_se.htm)