Potential Places of Refuge for Cook Inlet Subarea

- Takoma Cove
- Nuka Bay - North Arm
- Cataract Cove, McMullen Cove & Quicksand Cove
- Yalik Bay and Surprise Bay
- Thunder Bay
- Coleman Bay
- Aialik Bay
- Nuka Passage

Legend:
- Anchorage
- Existing GRS
- Fish Hatchery
- Private Cabins
- Public Use Cabins
- Airport
- Boat Harbor

Soundings in fathoms

Center of map at 59° 31.92' N Lat., 150° 15.79' W Lon.

This is not intended for navigational use.

Scale:
1 nm = 1 mi. = 1,000 yds.
**COOK INLET PPOR-05 Southeast Outer Coast Area – Physical and Operational Characteristics**

<table>
<thead>
<tr>
<th>Location</th>
<th>Yalik Bay</th>
<th>Surprise Bay</th>
<th>Nuka Bay-North Arm</th>
<th>Thunder Bay</th>
<th>Takoma Cove</th>
<th>Cataract Cove</th>
<th>McMullen Cove</th>
<th>Quicksand Cove</th>
<th>Coleman Bay</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID Number</td>
<td>29-L</td>
<td>30-L</td>
<td>31-L</td>
<td>32-L</td>
<td>47-S</td>
<td>48-S</td>
<td>49-S</td>
<td>50-S</td>
<td>51-S</td>
</tr>
<tr>
<td>Minimum Water Depth</td>
<td>72 ft. in swing area</td>
<td>144 ft. in swing area</td>
<td>72 ft. in swing area</td>
<td>144 ft. in swing area</td>
<td>144 ft. in swing area</td>
<td>170 ft. in swing area</td>
<td>36 ft. in swing area</td>
<td>72 ft. in swing area</td>
<td>48 ft. in swing area</td>
</tr>
<tr>
<td>Maximum Water Depth</td>
<td>360 ft. in swing area</td>
<td>300 ft. in swing area</td>
<td>200 ft. in swing area</td>
<td>200 ft. in swing area</td>
<td>200 ft. in swing area</td>
<td>200 ft. in swing area</td>
<td>150 ft. in swing area</td>
<td>150 ft. in swing area</td>
<td>160 ft. in swing area</td>
</tr>
<tr>
<td>Maximum Vessel Draft</td>
<td>35 ft.</td>
<td>35 ft.</td>
<td>35 ft.</td>
<td>35 ft.</td>
<td>35 ft.</td>
<td>20 ft.</td>
<td>20 ft.</td>
<td>20 ft.</td>
<td>20 ft.</td>
</tr>
<tr>
<td>Swing Room/Dock Face</td>
<td>1200 ft.</td>
<td>1200 ft.</td>
<td>1500 ft.</td>
<td>2400 ft.</td>
<td>1200 ft.</td>
<td>900 ft.</td>
<td>600 ft.</td>
<td>1200 ft.</td>
<td>900 ft.</td>
</tr>
<tr>
<td>Bottom Type</td>
<td>Mud</td>
<td>Rocky</td>
<td>Mud</td>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nearest Mooring</td>
<td>PPOR-04-27-L Port Chatham</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prevailing Winds</td>
<td>Winter winds are generally northerly, Summer winds are generally southerly</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Currents</td>
<td>Tidal influence currents are present throughout. The Alaska Coastal Current moves west in near-coastal waters.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Tides</td>
<td>Mean High Water - 10.5 (Higher- 11.4) , Mean Low Water - 1.4 (Lower- -4.0)</td>
<td>Mean High Water - 10.0 (Higher- 11.0) , Mean Low Water - 1.3 (Lower- -4.0)</td>
<td>Mean High Water - 11.2 (Higher- 12.1) , Mean Low Water - 1.4 (Lower- -4.0)</td>
<td>Mean High Water - 9.7 (Higher- 10.7) , Mean Low Water - 1.3 (Lower- -4.0)</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Sea Conditions</td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
<td></td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
<td>Sheltered from storms E-W</td>
</tr>
<tr>
<td>Shelter from Severe Storms</td>
<td>Exposed to a S. SE swell</td>
<td>Exposed to a S swell</td>
<td>Exposed to S swell</td>
<td>Exposed to the W swell</td>
<td>Exposed to the W swell</td>
<td>Fairly protected</td>
<td>Fairly protected</td>
<td>Fairly protected</td>
<td>Fairly protected</td>
</tr>
<tr>
<td>Fog</td>
<td>Can occur during all seasons</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Nautical Altimeters</td>
<td></td>
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</tr>
<tr>
<td>Site ID Number and Vessel Size Classification</td>
<td>ID Number 29-L</td>
<td>30-L</td>
<td>31-L</td>
<td>32-L</td>
<td>47-S</td>
<td>48-S</td>
<td>49-S</td>
<td>50-S</td>
<td>51-S</td>
</tr>
<tr>
<td></td>
<td>Light draft, up to 20,000 GT</td>
<td>Light draft, up to 20,000 GT</td>
<td>Light draft, up to 20,000 GT</td>
<td>Light draft, up to 20,000 GT</td>
<td>Shallow draft, 300 GT and less</td>
<td>Shallow draft, 300 GT and less</td>
<td>Shallow draft, 300 GT and less</td>
<td>Shallow draft, 300 GT and less</td>
<td>Shallow draft, 300 GT and less</td>
</tr>
</tbody>
</table>

**COOK INLET PPOR-05 Southeast Outer Coast Area – Site Considerations**

- **Human Health & Safety**
  - Communities – distances-nm: Seward-78, Seward-79, Seward-80, Seward-68, Seward-46, Seward-36, Seward-42

- **Natural Resource Considerations**
  - Fish & Wildlife: Spawning salmon and herring, sea otters, seals, sea lions, seabirds, eagle nesting, freshwater concentration
  - Threatened & Endangered Species: Steller’s sea lions rookery located at the entrance to Nuka Bay, Steller’s sea lions forage in the area
  - Designated as an Environmentally Sensitive Area within the Kenai Fjords National Park

- **Sensitivity Areas**
  - Designated as an Environmentally Sensitive Area within the Kenai Fjords National Park

- **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.

- **Tourism/Recreation**
  - High recreational use area: sport fishing, kayaking, excursion boats

- **Waterfront Public Facilities/Parks**
  - Kenai Fjords National Park: public use cabin in Nuka North Arm
  - Kenai Fjords National Park: public use cabin in Aialik Bay, Holgate Arm
  - Kenai Fjords National Park: public use cabin in Aialik Bay, Holgate Arm

- **Response and Salvage Resource Considerations**
  - None

- **Other Stakeholder Considerations**
  - Searheim salmon, groundfish

**Note:** Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Cook Inlet Subarea Contingency Plan: [http://www.akrpt.org/cookinletplan/cookinentplantocs.htm](http://www.akrpt.org/cookinletplan/cookinentplantocs.htm)