

The Seward Marine Center/UAF Dock, 33-L viewed from the southeast.



Seward's Ship Dry Dock, 34-L, viewed from the south.

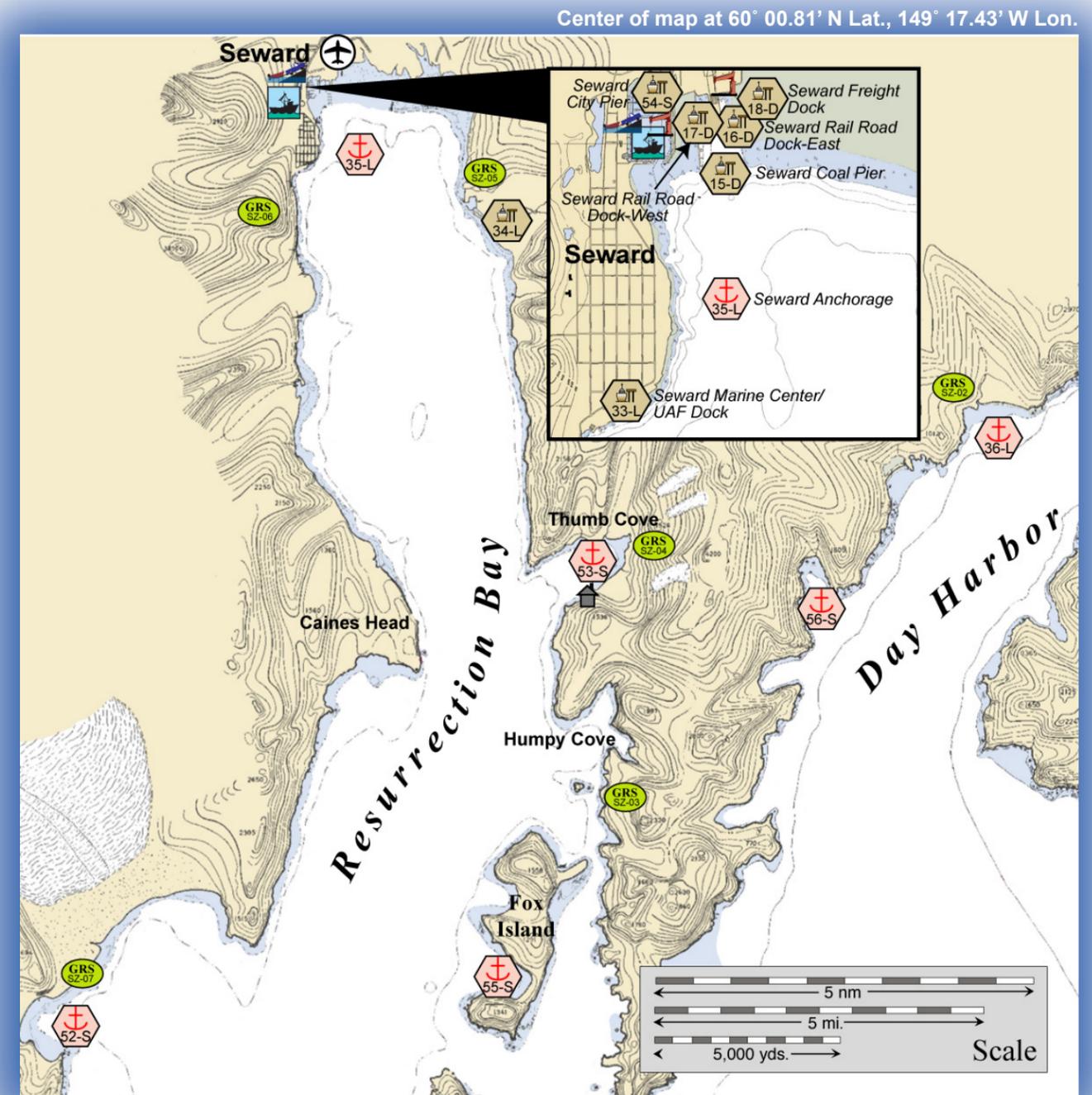


The Railroad Docks, 16&17-D and Seward Frieght Dock 18-D viewed from the south.



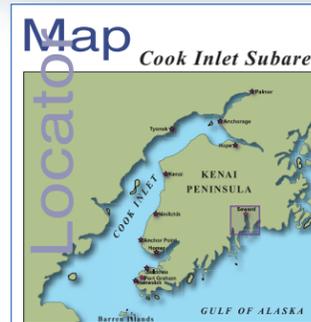
The Port of Seward viewed from the southeast.

Potential Places of Refuge for Cook Inlet Subarea



This is not intended for navigational use.

Soundings in fathoms



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

Cook Inlet  
PPOR  
Map 06

COOK INLET PPOR-06 Seward Area – Physical and Operational Characteristics															
	Seward Coal Pier	Seward Railroad Dock-East	Seward Railroad Dock-West	Freight Dock	Seward Marine Center/UAF Dock	Seward Ship's Drydock	Seward Anchorage	Day Harbor	Bulldog Cove	Thumb Cove	Seward City Pier	Sunny Cove	Talus Bay		
ID Number	15-D	16-D	17-D	18-D	33-L	34-L	35-L	36-L	52-S	53-S	54-S	55-S	56-S		
Location	60°06.94N 149°25.74W	60°07.09N 149°25.60W	60°07.07N 149°25.70W	60°07.13N 149°25.51W	60°05.94N 149°26.34W	60°05.45N 149°21.72W	60°06.38N 149°25.74W	60°02.10N 149°06.89W	59°53.83N 149°33.48W	60°00.38N 149°18.00W	60°07.18N 149°26.07W	59°54.65N 149°20.65W	59°59.92N 149°11.93W		
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons				Light draft, up to 20,000 Gross Tons				Shallow draft, 300 Gross Tons and less						
Type of Berthing	Dock				Anchorage				Dock		Anchorage				
Contact	Harbormaster 907.224.3138	Operations Manager 907.265.2504			Port Engineer 907.224.4318	Manager 907.224.3198	Harbormaster 907.224.3138	NA				Harbormaster 907.224.3138	NA		
Navigational Approach	Approach from S				Approach from the S,E		Approach from S	Approach from the S,SW	Approach from the S,SE	Approach from NW,W,S	Approach through harbor	Approach from the W	Approach from S		
Minimum Water Depth	50 ft. at dock face	35 ft. at dock face			33 ft. at dock face	18 ft. at dock face	90 ft. in the swing area	80 ft. in the swing area	42 ft. in the swing area	60 ft. in the swing area	12 ft. at dock face	110 ft. in the swing area	80 ft. in the swing area		
Maximum Water Depth	50 ft. at dock face	35 ft. at dock face			33 ft. at dock face	18 ft. at dock face	200 ft. in the swing area	540 ft. in the swing area	54 ft. in the swing area	190 ft. in the swing area	12 ft. at dock face	160 ft. in the swing area	175 ft. in the swing area		
Maximum Vessel Draft	35 ft.				20 ft.		35 ft.	18 ft.	10 ft.	10 ft.	10 ft.	20 ft.	20 ft.		
Swing Room/Dock Face	300 ft. (1310 w/ dolphins)	800 ft.	970 ft.	640 ft.	190 ft.	306 ft.	1200 ft.	2700 ft.	1200 ft.	600 ft.	1000 ft.	1200 ft.	1500 ft.		
Bottom Type	NA						Mud			Silt		NA		Mud	Sand
Docks/Piers	Nearest Alt. Dock PPOR-06-17-D Seward Rail Road Dock-West		Nearest Alt. Dock PPOR-06-16-D Seward Rail Road Dock-East		Nearest Alt. Dock PPOR-06-34-L Seward Ship's Drydock		Nearest Alt. Dock PPOR-06-33-L Marine Center Dock								
Moorings	Nearest Mooring PWS PPOR-11-M39 Outside Bay														
Anchorage	Nearest Anchorage PPOR-06-34-L Seward Anchorage (Temporary for Deep Draft vessels)					Nearest Anchorage PPOR-06-36-L Day Harbor	Nearest Anchorage PPOR-06-35-L Seward Anchorage	Nearest Anchorage PPOR-06-53-S Thumb Cove	Nearest Anchorage PPOR-06-52-S Bulldog Cove	Nearest Anchorage PPOR-06-35-L Seward Anchorage	Nearest Anchorage PPOR-06-52-S Bulldog Cove				
Prevailing Winds	Northerly in the winter, Southerly in the summer														
Currents	Currents are tidally influenced. The Alaska Coastal Current runs west along shore at 1-1.5 knot														
Tides	Mean High Water- 9.7 (Higher- 10.6) , Mean Low Water- 1.4 (Lower- -4.0)						Mean High Water- 9.6(Higher- 10.5) , Mean Low Water- 1.4 (Lower- -4.0)					Mean High Water- 9.6(Higher- 10.5) , Mean Low Water- 1.4 (Lower- -4.0)			
Sea Conditions	Exposed to S swell				Protected	Exposed anchorage	Exposed to S swell	Exposed to S-E swell	Exposed to W swell	Protected	Exposed to W swell	Exposed to E swell			
Shelter from Severe Storms	Sheltered from E-W storms				Protected	Minimal protection	Sheltered from E-W storms	Sheltered from W-N storms	Sheltered from N-S storms	Protected	Sheltered from N-S storms	Sheltered from S-N storms			
Fog	Fog can occur during all seasons														
Sea ice	Ice conditions can occur in protected waters November-March														

Site ID Number and Vessel Size Classification	COOK INLET PPOR-06 Seward Area –Site Considerations													
D = Deep Draft Vessel, greater than 20,000 GT	Seward Coal Pier	Seward Railroad Dock-East	Seward Railroad Dock-West	Freight Dock	Seward Marine Center/UAF Dock	Seward Ship's Drydock	Seward Anchorage	Day Harbor	Bulldog Cove	Thumb Cove	Seward City Pier	Sunny Cove	Talus Bay	
L = Light Draft Vessel, up to 20,000 GT	15-D	16-D	17-D	18-D	33-L	34-L	35-L	36-L	52-S	53-S	54-S	55-S	56-S	
S = Shallow Draft Vessel, 300 GT and less														
<b>Human Health &amp; Safety</b>	Communities – distances-nm Seward- 0.0 Seward-2.2 Seward- 0.5 Seward- 29 Seward- 16 Seward-8 Seward-0.0 Seward- 13 Seward-24.5													
<b>Natural Resource Considerations</b>	Fish & Wildlife: Spawning salmon and herring, sea otters, seals, seabird & eagle nesting, waterfowl concentration													
Threatened & Endangered Species	Steller's sea lions forage in the area													
Sensitive Areas	Not Designated				Marine Life Center & Shellfish Culturing Plant raw water intakes in the area	Spring Creek nearby	Not Designated	Designated as a Environmentally Sensitive Areas	Designated as a Environmentally Sensitive Areas with in KFNP	Designated as a Environmentally Sensitive Areas	Not Designated	Not Designated	Designated as a Environmentally Sensitive Areas	
<b>Other Stakeholder Considerations</b>	Fisheries: Salmon, 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	Shellfish Culturing Plant									Mariculture site located in Thumb Cove	Shellfish Culturing Plant			
Subsistence	None						Salmon			Salmon, Seals				
Tourism/Recreation	High recreational use area- sport fishing, kayaking, anchorage, excursion boats, wildlife viewing													
Waterfront Public Facilities/Parks	Seward Small Boat Harbor, Alaska State Park and Kenai Fjords National Park facilities nearby.					None	Seward Small Boat Harbor, AK State Park & Kenai Fjords National facilities nearby	Alaska State Marine Park	Kenai Fjords National Park	Alaska State Parks 2 public use cabins are in Thumb Cove	Seward Small Boat Harbor, AK State Park & Kenai Fjords National facilities nearby	Alaska State Marine Park	None	
Waterfront Private Facilities	Numerous marine trade businesses in Seward; Cannery Facilities, 50 & 250 ton Travelifts, 5000 ton Synchro Lift							None		Private homes and piers	Cannery Facilities, 50 & 250 ton Travelifts	None		
<b>Response and Salvage Resource Considerations</b>	Ability to Boom Vessel: Weather dependent Yes Weather dependent Yes Weather dependent													
Geographic Response Strategies	SZ-05,06								SZ-03,04	SZ-07	SZ-02	SZ-05,06	None	SZ-02
Closest Alternative Places of Refuge (same sized vessel)	PPOR 06-17-D Seward Railroad Dock-west: 0.2 nm.	PPOR 06-17-D Seward Railroad Dock-west: 0.1 nm.	PPOR 06-16-D Seward Railroad Dock-east: 0.1 nm.	PPOR 06-17-D Seward Railroad Dock-west: 0.1 nm.	PPOR 06-35-L Seward Anchorage: 0.75 nm.	PPOR 06-35-L Seward Anchorage: 0.75 nm.	PPOR 06-33-L Seward Marine Center: 0.75 nm.	PPOR 06-35-L Seward Anchorage: 27 nm.	PPOR 06-55-S Sunny Cove: 6 nm.	PPOR 06-55-S Sunny Cove: 6 nm.	PPOR 06-53-S Thumb Cove: 9 nm.	PPOR 06-52-S Bulldog Cove: 6 nm.	PPOR 06-53-S Thumb Cove: 16 nm.	

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.akrrt.org/cookinletplan/cookinletplantoc.shtml>