



NUKA Research & Planning Group, LLC.

Bristol Bay SCP: PPOR, Part One

June 20

Site Considerations for PPOR Zone 03 of the Bristol Bay Subarea									
	Perryville	Anchorage Bay	Aniakchak Bay	Chignik Dock	Chignik Dock				
ID Number	DII-03-01	DII-03-02	DII-03-03	L-03-01	L-03-02				
Human Health & Safety									
Community-distance to (nm)	Perryville - 2.7 nm / pop. 130	Chignik - 0.65 nm / pop. 102	Chignik - 50 nm / pop. 102	Chignik - 0.0 nm / pop. 102					
Health Care Facilities	Emilin Health Clinic (Perryville): 907-853-2202 / Perryville First Responders: 907-853-2262	Chignik Bay Sub-Regional Health Clinic: 907-749-2282 / Chignik Bay Fire & Rescue: 907-749-2207	Chignik Bay Sub-R	egional Health Clinic: 907-749-2282 / Chignik Bay Fire & Rescue: 907-749-2207					
Natural Resources Considerations									
Fish & Wildlife	Seabird concentration, waterfowl concentration, anadromous fish, otters								
Threatened & Endangered Species	Steller's Eider and sea otters are present.								
Sensitive Areas	None								
Other Stakeholder Considerations									
Fisheries	Salmon / Herring								
Historic Properties	Historic properties are present throughout the area.								
Subsistence	High level of subsistence activity		Low level subsistence activity	High level of subsistence activity					
Tourism/Recreation	Local recreation	Local recreation, seasonal tourism	Seasonal tourism	Local recreation, seasonal tourism					
Waterfront Public Facilities/Parks	None	Small boat harbor	Aniakchak National Monument and Preserve/None	Small boat harbor					
Waterfront Private Facilities	None	Seafood processing facility	None	Docks are privately owned					
Response and Salvage Resource Consideration									
Ability to Boom Vessel	No			Yes					
Geographic Response Strategies	S-03	S-05	S-11	S-05					
Closest Alternative Place of Refuge for same sized vessel	65 nm to DII-03-01	65 nm to DII-03-01	52 nm to L-03-01	0.1 nm to L-03-02	01. nm to L-03-01				

Site ID Number & Vessel Size Classification

DII = Deep Draft Vessels lengths up to 1000 feet, 40-60 feet of draft, greater than 10,000 GT

DI = Deep Draft Vessels lengths up to 1000 feet, 20-40 feet of draft, greater than 10,000 GT

L= Light Draft Vessel up to 450 feet in length, draft up to 20 feet

S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft

		Physical and Operational Characteristics for PP	OR Zone 03 of the Bristol Bay Subarea					
	Perryville	Anchorage Bay	Aniakchak Bay	Chignik- Southern Dock	Chignik- Southeast Dock			
ID Number	DII-03-01	DII-03-02	DII-03-03	L-03-01	L-03-02			
Location (In the general area)	55°53.33'N 159°04.18'W	56°18.34'N 158°23.68'W	56°43.09'N 157°29.47'W	56°17.95'N 158°23.10'W	56°17.88'N 158°23.21'W			
Maximum Vessel Size	Deep Draft	Vessels-lengths to 1000 ft. or greater, 40-60 ft. of draft, greater	Deep Draft Vessels-lengths to 1000 ft. or greater, 20-40 ft. of draft, greater than 10,000 GT					
Type of Berthing	Anchorage			Dock				
Contact								
Navigational Approach	Approach from the S	Approach from the NE	Approach from the W	Approach from the N	Approach from the NW			
Minimum Water Depths (MLLW)	52 Fathoms	18 Fathoms	16 Fathoms	33 ft. reported at dock face				
Maximum Vessel Draft	60 ft.	60 ft.	55 ft.	30 ft.				
Swing Room or Dock Face (w/ dolphins)	0.33 nm to shoal	0.33 nm to shoal	1.65 nm to shoal	N/A				
Bottom Type	Mud/ sticky	Mud/ soft	Mud	N/A				
Nearest Alternative Dock/Piers	75 nm to L-03-02	0.5 nm to L-03-02	52 nm to L-03-02	0.1 nm to L-03-02	0.1 nm to L-03-01			
Nearest Alternative Anchorage	65 nm to DII-03-02	52 nm to DII-03-03	52 nm to DII-03-02	0.1 nm to DII-03-02	0.1 nm to DII-03-02			
Prevailing Winds	Winter-northerly & southeasterly. Summer-westerly & southwesterly. Winds funneling through the bays and passes create dangerously high winds.							
Currents	Alaska Coastal current moves westerly offshore at 1-1.5 knots.							
Tides	Mean High 7.0 ft. (Higher 7.8) Mean Low 1.4 (Lower -3.5)	Mean High 8.1 ft. (Higher 8.9) Mean Low 1.4 (Lower -4.0)	Mean High 11.1 ft. (Higher 11.9) Mean Low 1.3 (Lower -4.0)	Mean High 8.1 ft. (Higher 8.9) Mean Low 1.4 (Lower -4.0)				
Sea Conditions	SW swell predominates throughout the year. It is generally gentle except when driven by southerly storms							
Shelter from Severe Storms	Exposed to S	Exposed to NE	Exposed to W, SW	Sheltered from most storms				
Fog	Fog is common in all seasons							
Ice	Ice may form in bays December-March							