



Kodiak GRS K-11

Karluk Lagoon



Latitude/Longitude: N 57° 35' 41" / W 154° 27' 44"

Location: Karluk Lagoon, Karluk. NOAA Charts No. 16599, USGS Karluk C-2 Quad.

Response Objective: Deflect oil away from the mouth of Karluk Lagoon.

Shoreline Characteristics: Mixed sand and gravel beaches.

Site Access: Mouth of Karluk Lagoon is accessible by Karluk road system (Main Street). Karluk is accessible by vessel, fixed wing aircraft, helicopter or float planes.

Staging Area: Karluk landing strip.

AS THE CIRCUMSTANCES OF THE EMERGENCY ALLOW:

- A. Response Strategy:**
1. Maximize on-water recovery in the off shore-near shore environment.
 2. Beginning at the high tide line on the shore approximately 1500' north or south (depending on tide/curent/spill source) of the mouth of the Karluk Lagoon, deploy the first 500' section of boom by anchoring one end on the shore. Additional anchors necessary in rough weather (wind/current).
 3. Use the vessels of opportunity to tow the other end out, stretch it tightly and drop the anchor to hold. Adjust the angle of the boom to account for high/low winds or current to prevent entrainment.
 4. Once the angle of the boom segments is established, deploy the remaining two segments of boom in the same manner as the first (see diagram).
 5. Deploy Parker snare on rope across river to collect floating oil.
 6. Be aware of changes in tides, winds and currents.

B. Response Considerations:
This strategy is designed to protect Karluk Lagoon. Monitor situation closely to designate recovery points to minimize shoreline impact.

C. Historic Properties Considerations:
FOSC Historic Properties Specialist should MONITOR on-site operations.



EQUIPMENT RECOMMENDED		NEAREST EQUIPMENT (Larsen Bay)	
QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION
1500'	8" x 10" Boom	3000'	8" x 10" Boom
9	40 lbs anchoring systems	1200'	17" x 19" Sorbent pads (3M)
6	Tow bridles	30	Sorbent sweep bundles
2 (min)	Class 5 vessels	150'	Parker snare on rope
		12	Tow bridles
		36 rolls	Heavy duty bags
		3	Wringers
		3	Overpack drums
			No anchors

Refer to Kodiak Subarea Contingency Plan for additional regional equipment lists.

Currents, Tides & Winds: Winds variable with northwest winds prevailing. Evaluate wind speed/direction at time of response. Average tidal range is 15 ft. Consult local charts for tides. Strong current/tide rips in entrance to Karluk Lagoon.

Wildlife Considerations: Karluk Lagoon supports runs of all five Alaskan salmon species and is also a herring and black bass habitat. Salmon runs begin in May and occur continuously through November. Karluk Lagoon also supports seabird and eagle concentrations as well as occasional brown bear activity. Sea ducks common, primarily scoters, oldsquaw, and king eiders. Sea otters occasional.

Risk Factor: The Karluk town tank sits on the southern ridge of Karluk Lagoon and can potentially effect the lagoon. Vessel traffic in Shelikof Strait also presents spill risk.

Human Use: Karluk Lagoon supports thriving salmon runs and is heavily used by both recreational and subsistence users. Other uses include subsistence salmon fishing, clam harvesting and crabbing. October 2001



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