









Map & Photo Legend



James Lagoon SZ-22, viewed from south.

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|  Free-oil Containment and Recovery, Shallow Water |  Snare Line |
|  Diversion Booming |  Shoreside Recovery |
|  Passive Recovery and Debris Removal |  Bears in Area, Guards Needed |
|  Protected-water Boom |  Helicopter Landing Zone |



James Lagoon SZ-22, close up of the lagoon entrance.

James Lagoon, SZ-22

Center of map at 59° 34.5' N Lat., 150° 24.4' W Lon.

Geographic Response Strategies for



This map is not intended to be used for navigation.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SZ-22-01	James Lagoon Nearshore waters in the general area of: Lat. 59° 34.5 N Lon. 150° 24.4 W	Free-oil Recovery-Shallow Water Maximize free-oil recovery in the offshore & nearshore environment of James Lagoon depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of James Lagoon. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Seward	Via marine waters Chart 16682-1	Same as SZ-22-02	Vessel master should have local knowledge. Site Surveyed: 9/06/02 GRS WG
SZ-22-02	James Lagoon Lat. 59° 33.32 N Lon. 150° 24.59 W Strong currents (+4.5 kts.) are present in the lagoon entrance at max. flood.	Divert and Collect Divert oil to shore-side collection points determined by spill source and course.	Transport equipment by vessel (class 3/4). Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6). Place tidal-seal boom and protected-water boom beginning at the ADF&G marker on the beach. Establish boom outside the strong current at an approx. 20° angle to divert oil to collection site. Set up collection unit and tend throughout the tide. If sea and surf conditions prevent the deployment outside the lagoon, consider adjusting and moving array inside the lagoon (SZ-22-02 alt).	Deployment Equipment 2400 ft. protected-water boom 1 section 100 ft. tidal-seal boom 10 ea. anchor systems (~20 lbs.) 4 ea. anchor stakes (~40 lbs.) 1 ea. shoreside collection unit Vessels 1 ea. class 2 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 9 ea. vessel crew 3 ea. response techs. Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 3 ea. vessel crew 2 ea. response techs	Vessel platform	Via marine waters Chart 16682-1 NPS Special Use Permit is required for GRS operations in Kenai Fjords National Park. This permit has been pre-filed by the NPS.	Fish- intertidal spawning, salmon Marine mammals-sea otters, seals Terrestrial mammals-bears (browns and blacks) Birds- eagle nesting (May-Sept.), waterfowl concentrations, harlequin ducks, scoters, shorebird nesting (April-Sept.) Habitat- sheltered tidal flats, marsh, sheltered rocky shoreline	Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site. NPS owns lands surrounding this site. Whirlpool and sand bar in the channel present navigational hazards. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. Site Surveyed: 9/06/02 GRS WG Tested: not yet
SZ-22-03	James Lagoon Lat.59°44.1 N Lon. 149°56.5 W	Exclusion Exclude oil from entering the stream at mouth of James Lagoon.	Transport equipment by vessel (Class 2/3/4). Deploy anchors and boom with vessels (Class 3/4/6) Place tidal-seal boom and protected-water boom across the stream. Tend throughout the tide.	Deployment Equipment 400 ft. protected-water boom 2 section ≥50 ft. tidal-seal boom 2 ea. anchor systems (~40 lbs.) 6 ea. anchor stakes Vessels Same as SZ-22-02 Personnel/Shift Same as SZ-22-02 Tending Vessels Same as SZ-22-02 Personnel/Shift Same as SZ-22-02	Vessel platform	Via marine waters Chart 16682-1 Title 16 permitting required from ADF&G.	Same as SZ-22-02	Vessel master should have local knowledge. Tested: not yet
SZ-22-04	James Lagoon Lat. 59° 34.90 N Lon. 150° 24.92 W	Passive Recovery Minimize impact to the tidal flats in James Lagoon through the use of passive recovery of oil.	Transport equipment by vessel (class 3/4) from Seward. Place and anchor snare line or sorbent boom across the tidal flats at the head of James Lagoon. Replace as necessary to maximize the recovery. Tend throughout the tide.	Deployment Equipment 3500 ft. snare line or sorbent boom 15 ea. anchor stakes Vessels/Personnel/Shift Same as SZ-22-02 Tending Vessels/Personnel/Shift Same as SZ-22-02	Vessel platform	Via marine waters Chart 16682-1	Same as SZ-22-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Site Survey: 9/06/02 GRS WG Tested: not yet