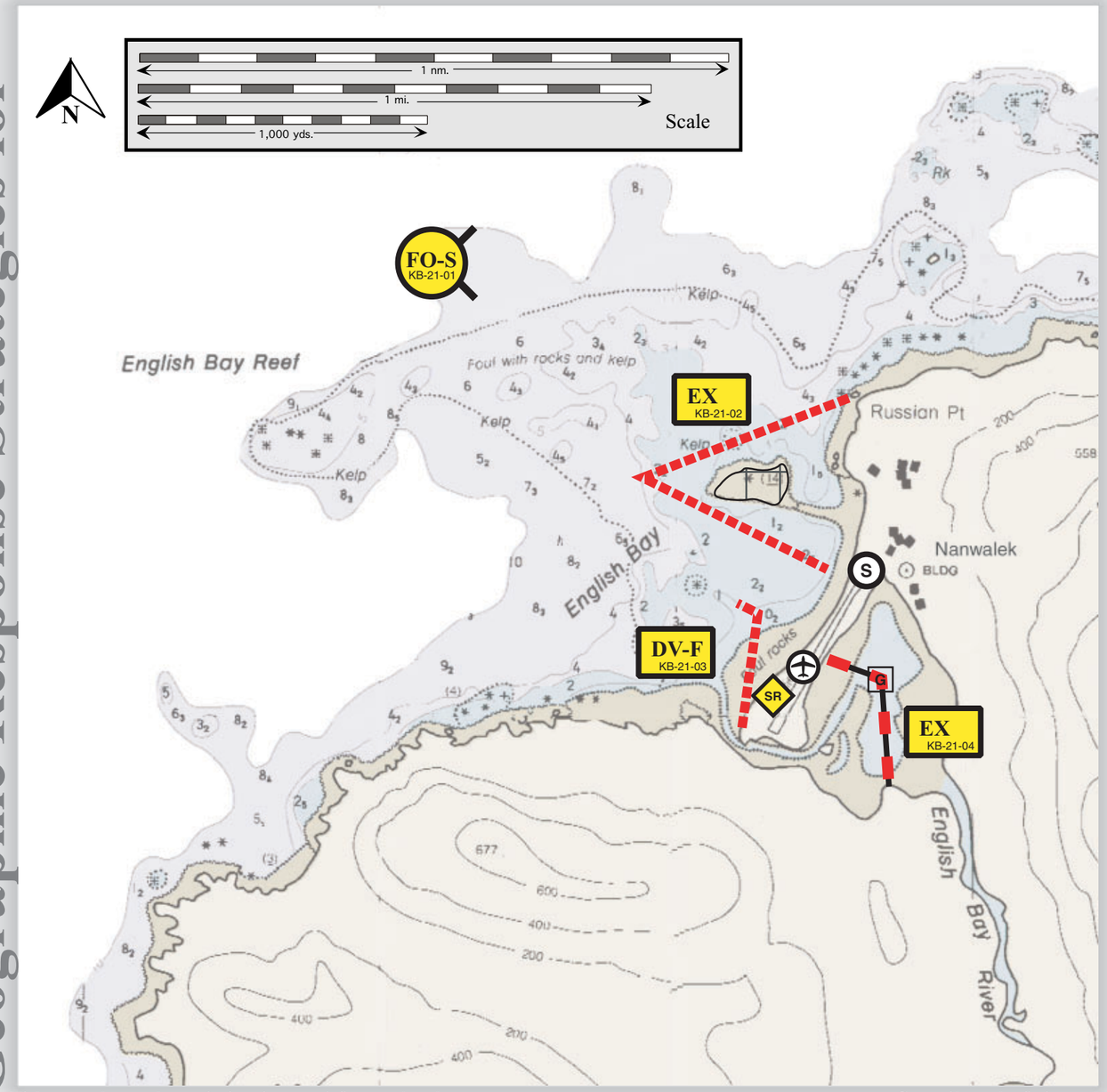
Geographic Response Strategies for English Bay Lagoon, KB-21

Center of map at 59° 21.1' N Lat., 151° 56.2' W Lon.



This map is not intended to be used for navigation.

Soundings in fathoms

Map & Photo Legend

Nanwalek, KB-21 as viewed from the Northwest.

FO-S	Free-oil Containment and Recovery, Shallow Water		Calm-water Boom
EX	Exclusion Booming	S	Staging Area
DV-F	Diversion Booming		Airport
SR	Shoreline Recovery	G	Gate
	Protected-water Boom		Restricted Area

English Bay Lagoon, KB-21-02 as viewed from the West.

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ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
KB-21-01	**English Bay Lagoon** Nearshore waters in the general area of: Lat. 59º 21.1 N Lon. 151º 56.2 W	**Nearshore Freeoil Recovery** Maximize freeoil recovery in the offshore & nearshore environment. Concentrate on oil deflected by KB-21-02.	Deploy nearshore free-oil recovery strike teams upwind and up current of the river mouth. Use aerial surveillance to locate incoming slicks	Multiple nearshore free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Vessel platform Landing strip	Via marine waters. See NOAA chart 16645-1.	Same as KB-21-02	REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist.
KB-21-02	**English Bay Reef** Lat. 59º 21.6 N Lon. 151º 56.0 W	**Exclusion** Deflect oil away from reef.	Use class 2 and class 3/4 vessels with deck space to transport equipment, class 3/4 with crane to set lg. anchor, and class 6 setnet or seine skiffs to deploy boom and anchors. Place 5000 ft. of protected-water boom in a chevron pattern with a lg. anchor at the apex to exclude oil from English Bay reef.	**Deployment** **Equipment** 5000 ft. protected-water boom 1 ea. lg. anchor system (≥300 lbs.) 56 ea. sm. anchor systems (≤40 lbs.) **Vessels** 1 ea. class 2 1 ea. class 3/4 2 ea. class 6 **Personnel / Shift** 10 ea. vessel crews **Tending** **Vessels** 2 ea. class 6 **Personnel / Shift** 4 ea. vessel crews	Vessel platform Landing strip	Via marine waters. See NOAA chart 16645-1. Helicopter Landing craft	Subsistence Intertidal salmon spawning Seabird feeding area (year-round) Waterfowl concentration area (year round) Shorebird concentration area (April-May) Sea Otters (year-round) Marsh Sheltered rocky shoreline	Private land REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Tested: No
KB-21-03	**English Bay Lagoon** Lat. 59º 20.9 N Lon. 151º 55.7 W	**Diversion / Recovery** Divert oil entering English Bay Lagoon to beach for shoreside recovery.	Place 1500 ft. of protected-water boom to divert oil to shoreside recovery site on East side of channel.	**Deployment** **Equipment** 1500 ft. protected-water boom 16 ea. sm. anchor systems (≤40 lbs.) 1 ea. shoreside recovery unit **Vessels, Personnel, Tending** Same as KB-21-02	Vessel platform Landing strip	Via marine waters. See NOAA chart 16645-1. Helicopter Landing craft	Same as KB-21-02	Private land REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Tested: No
KB-21-04	**English Bay Lagoon** Lat. 59º 20.9 N Lon. 151º 55.7 W	**Exclusion** Exclude oil from entering English Bay River.	Place 2500 ft. of calm-water boom in a chevron pattern, with a gate at the apex, to exclude oil from entering English Bay river.	**Deployment** **Equipment** 2500 ft. protected-water boom 26 ea. sm. anchor systems (≤40 lbs.) **Vessels, Personnel, Tending** Same as KB-21-02	Vessel platform Landing strip	Via marine waters. See NOAA chart 16645-1. Helicopter Landing craft	Same as KB-21-02	Private land REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Tested: No