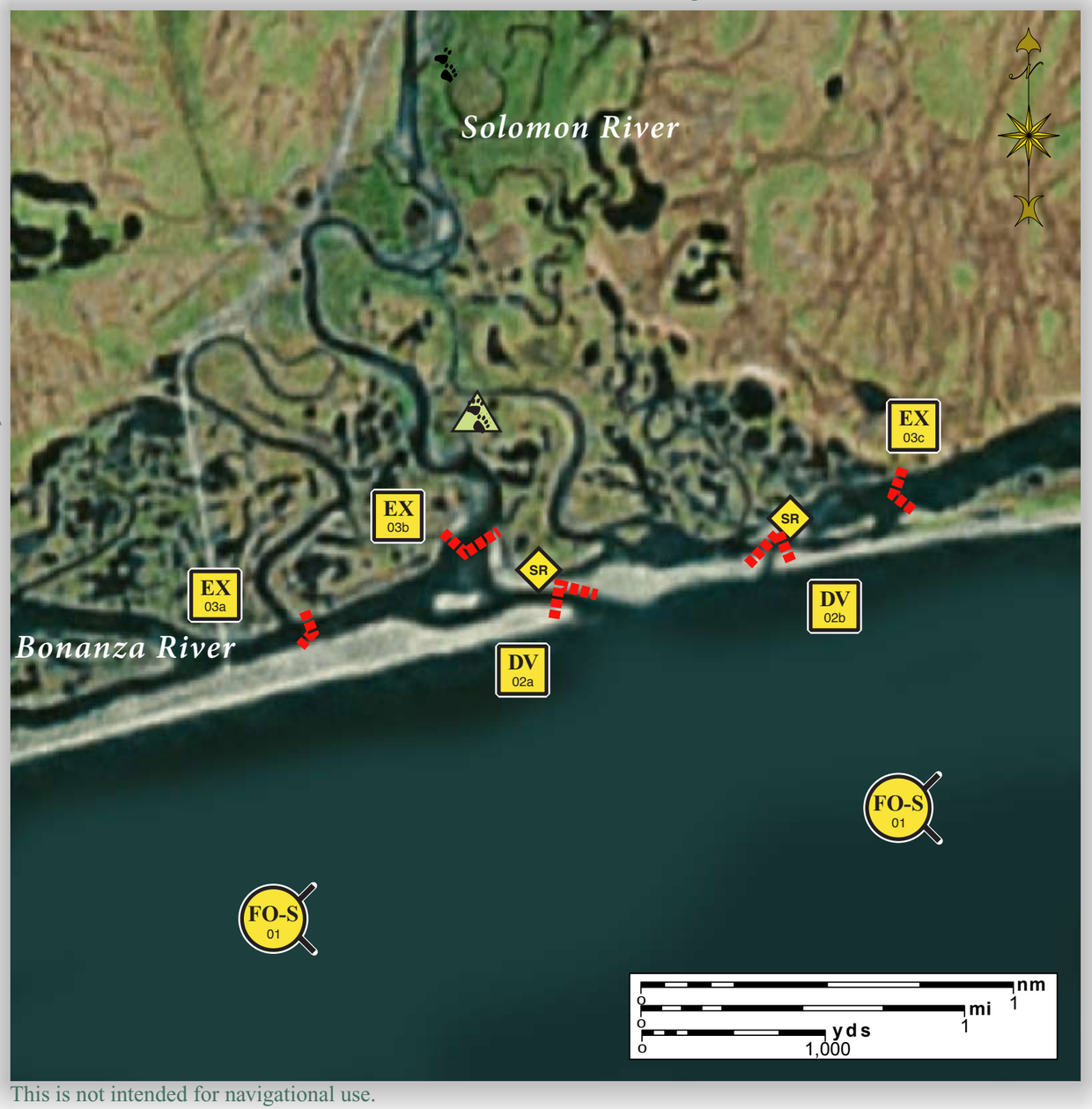
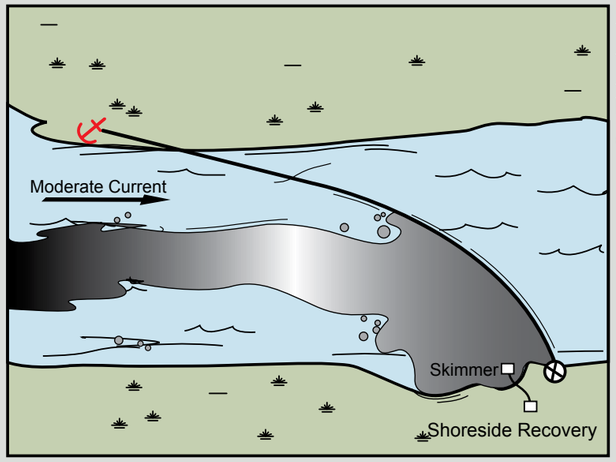
Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone

Soloman & Bonanza Rivers, NWA-S17

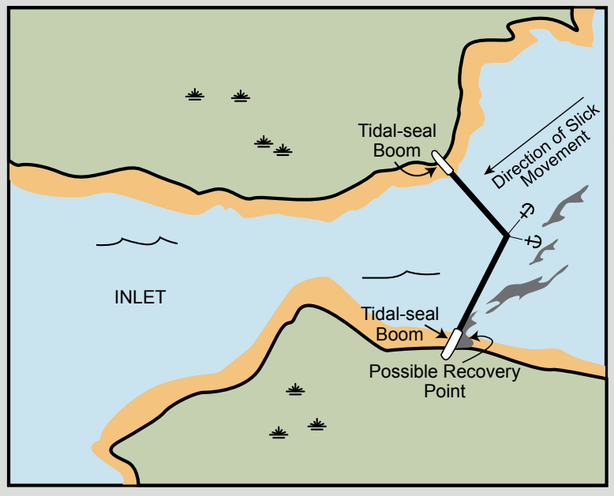
Center of map at 64° 32'45" N Lat., 164° 25'15" W Lon.



This is not intended for navigational use.



An example of the ***Diversion Booming Tactic***. Actual deployment should be adjusted for local conditions.



An example of the ***Exclusion Booming Tactic***. Actual deployment should be adjusted for local conditions.

Map Legend

- FO-S — Free-oil Recovery
- DV — Diversion Booming
- EX — Exclusion Booming
- Protected-water Boom
- SR — Shoreside Recovery
- Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
S-17-01 FO-S	**Solomon & Bonanaza Rivers** Nearshore waters in the general area of: Lat. 64° 32.96 N Lon. 164°23.39 W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Solomon & Bonanaza Rivers depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Solomon & Bonanaza Rivers. 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.	Nome	Via marine waters Chart 16200	Same as S-17-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
N-17-02 DV	**Solomon & Bonanaza Rivers** a. Lat. 64° 32.98 N Lon. 164°24.18 W b. Lat. 64° 33.16 N Lon. 164°23.06 W	**Divert and Collect** Divert and collect to minimize oil from entering the Solomon & Bonanaza Rivers. The barrier beaches change seasonally. Equipment estimates should be confirmed with survey. Survey recommended prior to deployment.	The barrier beach in front of the Bonanza River is accessible via beach road. Transport equipment via road. Deploy anchors and boom with skiffs (class 6). Place protected-water boom in a chevron pattern extending to the opposite beach to divert incoming oil to the collection site. Set-up collection site using shore-side collection units or if oil volume is minimal, use sorbent boom or snare line to provide collection of oil. Tend throughout the tide. Boom Lengths: a. 900 ft. b. 1200 ft.	**Deployment** **Equipment** 2100 ft. protected-water boom 11 ea. small anchor systems 8 ea. anchor stakes 2 ea. shore-side collection units **Vessels** 1 ea. class 6 1 ea. inflatable raft or kayak **Personnel/Shift** 2 ea. vessel crew 2 ea. response techs **Tending** **Vessels** 1 ea. class 6 1 ea. inflatable raft or kayak **Personnel/Shift** 2 ea. vessel crew 1 ea. response tech	Beach	Via marine waters Chart 16200	Fish- spawning- herring, chinook, chum, Coho, pink salmon, dolly varden, white fish, saffon cod Birds-waterfowl concentration, seabird concentrations, shorebird concentration Habitat- sheltered tidal flats, marsh, low lying tundra, gravel beaches Human uses- subsistence	Vessel master should have local knowledge. Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment. REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Take appropriate measures as outlined in the STAR Manual to protect the beach at the collection site. Site Survey: not surveyed Tested: not yet
S-17-03 EX	**Solomon & Bonanaza Rivers** a. Lat. 64° 32.78 N Lon. 164°25.77 W b. Lat. 64° 33.12 N Lon. 164°24.78 W c. Lat. 64° 33.36 N Lon. 164°22.39 W	**Exclusion** Exclude oil from entering Solomon & Bonanaza River and the Solomon River.	Transport the boom via the road system. Deploy anchors and boom with skiffs (class 6). Place the specified amount of protected water boom across the channels of the rivers. Tend throughout the tide. Boom Lengths: a. 400 ft. b. 450 ft. c. 500 ft.	**Deployment** **Equipment** 1350 ft. protected-water boom 7 ea. anchor systems 12 ea. anchor stakes **Vessels/Personnel/Shift** Same as S-17-02 **Tending** **Vessels/Personnel/Shift** Same as S-17-02	Beach	Via marine waters Chart 16200	Same as S-17-02	Vessel master should have local knowledge. Title 41 permitting required from ADNR. A population of bears may be present in the area. A bear guard is required during shore operations.

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the NWA Sub-Area Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_nwa.htm.