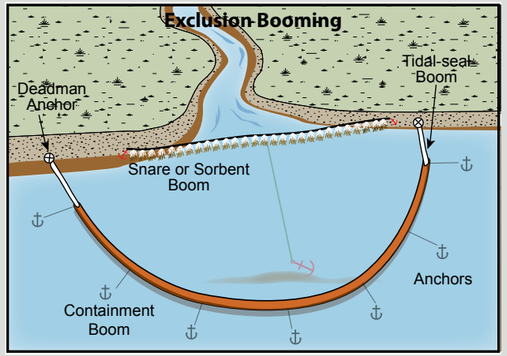
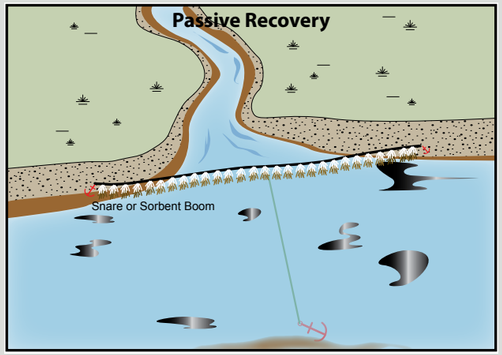
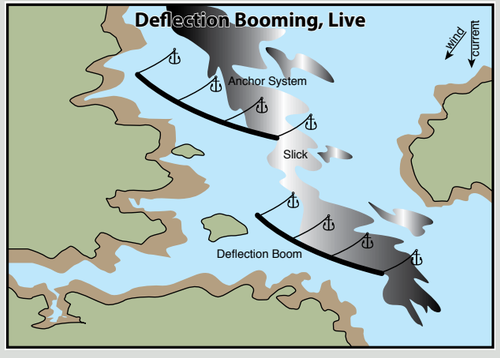
Korovin Bay-South, AWA-07

Center of map at 52° 13.67' N Lat., 174° 23.30' W Lon.



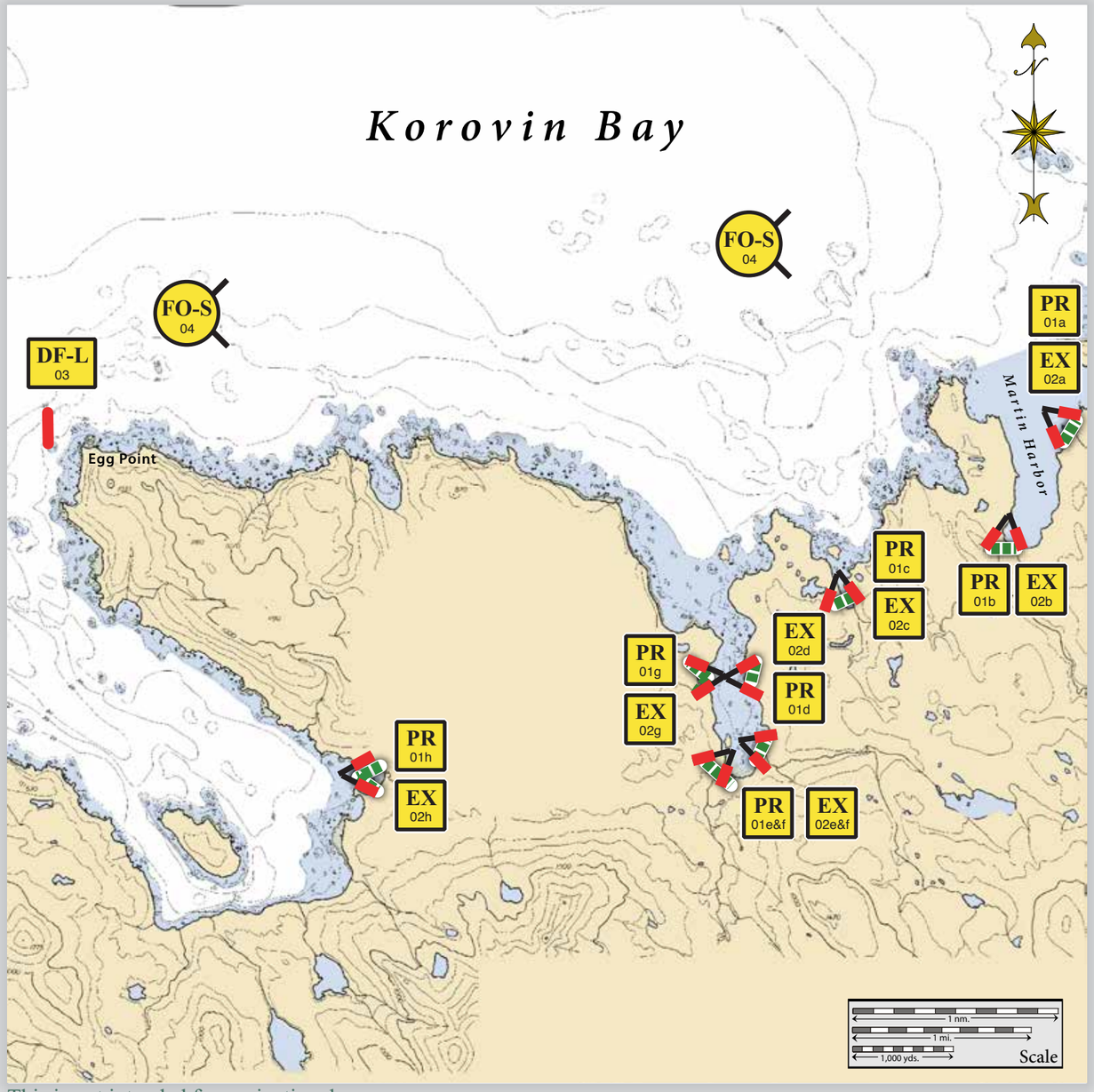




Map Legend

- FO-S — Free-oil Recovery
- EX — Exclusion Booming
- DF-L — Deflection Booming, Live
- PR — Passive Recovery
- Fast-water/Harbor Boom
- Open-water Boom
- Snare or Sorbent Boom

Geographic Response Strategies for Aleutian Subarea, West A Zone



This is not intended for navigational use.

March 1, 2015

DRAFT This tactic map is a working draft being used to develop a Geographic Response Strategy at this location. The tactics represented here have not been approved by the Subarea Committee and should not be considered final. If you have questions or comments please contact us by email at contact@nukaresearch.com.

NUKA Research & Planning Group, LLC.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
AWA-07-01 **PR**	**Korovin Bay-South** a. Lat. 52° 13.205'N Lon. 174° 16.561'W b. Lat. 52° 12.456'N Lon. 174° 17.192'W c. Lat. 52° 12.152'N Lon. 174° 19.108'W d. Lat. 52° 11.602'N Lon. 174° 20.184'W e. Lat. 52° 11.139'N Lon. 174° 19.973'W f. Lat. 52° 10.941'N Lon. 174° 20.385'W g. Lat. 52° 11.540'N Lon. 174° 20.708'W h. Lat. 52° 10.979'N Lon. 174° 24.303'W	**Passive Recovery** Use passive recovery for rapid deployment prior to oil impacts and the arrival of hard boom. Place passive recovery boom across the entrance to the salmon streams in Korovin Bay-South. Move the boom to maximize the protection of the salmon streams in Korovin Bay-South.	Place and anchor snare line or sorbent boom across the identified creek mouths. Move to arrays further back into the streams if the sea state precludes deployment. Replace as necessary to maximize the recovery. Boom Lengths: a. 50 ft. b. 150 ft. c. 100 ft. d. 100 ft. e. 150 ft. f. 100 ft. g. 100 ft. h. 150 ft.	**Deployment** **Equipment** 900 ft. snare line or sorbent boom 8 ea. small anchor systems 24 ea. anchor stakes **Vessels/Personnel/Shift** Same as AWA-07-02 **Tending** **Vessels/Personnel/Shift** Same as AWA-07-02	Vessel Platform	Via marine waters Chart 16480	Same as AWA-07-02	Vessel master should have local knowledge. Title 16 permitting required from ADFG. Title 41 permitting required from ADNR
AWA-07-02 **EX**	**Korovin Bay-South** Same locations as AWA-07-01	**Exclusion** Exclude oil from impacting Korovin Bay-South salmon streams.	Exclude the entrance to the streams with fast-water/calm-water boom. Place the boom in a chevron pattern extending into the ocean in front of the snare or sobent boom. If the sea state precludes this is strategy, deploy further back in the stream. The approach to both streams is very exposed and helicopter deployment should be considered if condition prevent marine approach. Tend throughout the tide. Same boom lengths as AWA-07-01.	**Deployment** **Equipment** 900 ft. fast-water/calm-water boom 8 ea. small anchor systems 24 ea. anchor stakes **Vessels** 1 ea. class 3 2 ea. class 6 **Personnel/Shift** 7 ea. vessel crew **Tending** **Vessels** 1 ea. class 3 2 ea. class 6 **Personnel/Shift** 5 ea. vessel crew	Vessel Platform	Via marine waters Chart 16480	Marine mammals- sea otter Fish – coho salmon, pink salmon, sockeye salmon Subsistence Use – intertidal, fish, birds Birds- waterfowl concentrations Habitat- exposed rocky shoreline, gravel beach, eel grass	Vessel master should have local knowledge Fast-water boom is specified for logistical consideration. Larger boom maybe used if available. Site Survey- Not surveyed Tested- Not yet
AWA-07-03 **DF**	**Korovin Bay-South** Lat. 52° 13.272'N Lon. 174° 27.652'W	**Deflection** Deflect oil coming towards Egg Point to deeper water for free-oil recovery. If natural deflection is sufficient for Free-oil Recovery, deployment is not necessary.	Deploy boom and anchor system with skiffs (class 6). Position in a cascaded fashion 3 x 600 ft. of open-water boom at a proper angle to deflect oil from Egg Point. Tend throughout the tide.	**Deployment** **Equipment** 900 ft. open-water boom 9 ea. anchor systems **Vessels/Personnel/Shift** Same as AWA-07-01 **Tending** **Vessels/Personnel/Shift** Same as AWA-07-01	Vessel Platform	Via marine waters Chart 16480_1	Same as AWA-07-02	Vessel master should have local knowledge. Site surveyed- Not surveyed. Tested- Not yet
AWA-07-04 **FO-S**	**Korovin Bay-South** Nearshore waters in the general area of: Lat. 52° 14.151'N Lon. 174° 26.100'W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Korovin Bay-South depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Korovin Bay-South. 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.	Vessel Platform	Via marine waters Chart 16480_1	Same as AWA-07-02	Vessel master should have local knowledge.

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_al.htm.