Map & Photo Legend

Alpine Cove in Upper Deadman Bay viewed from the west.

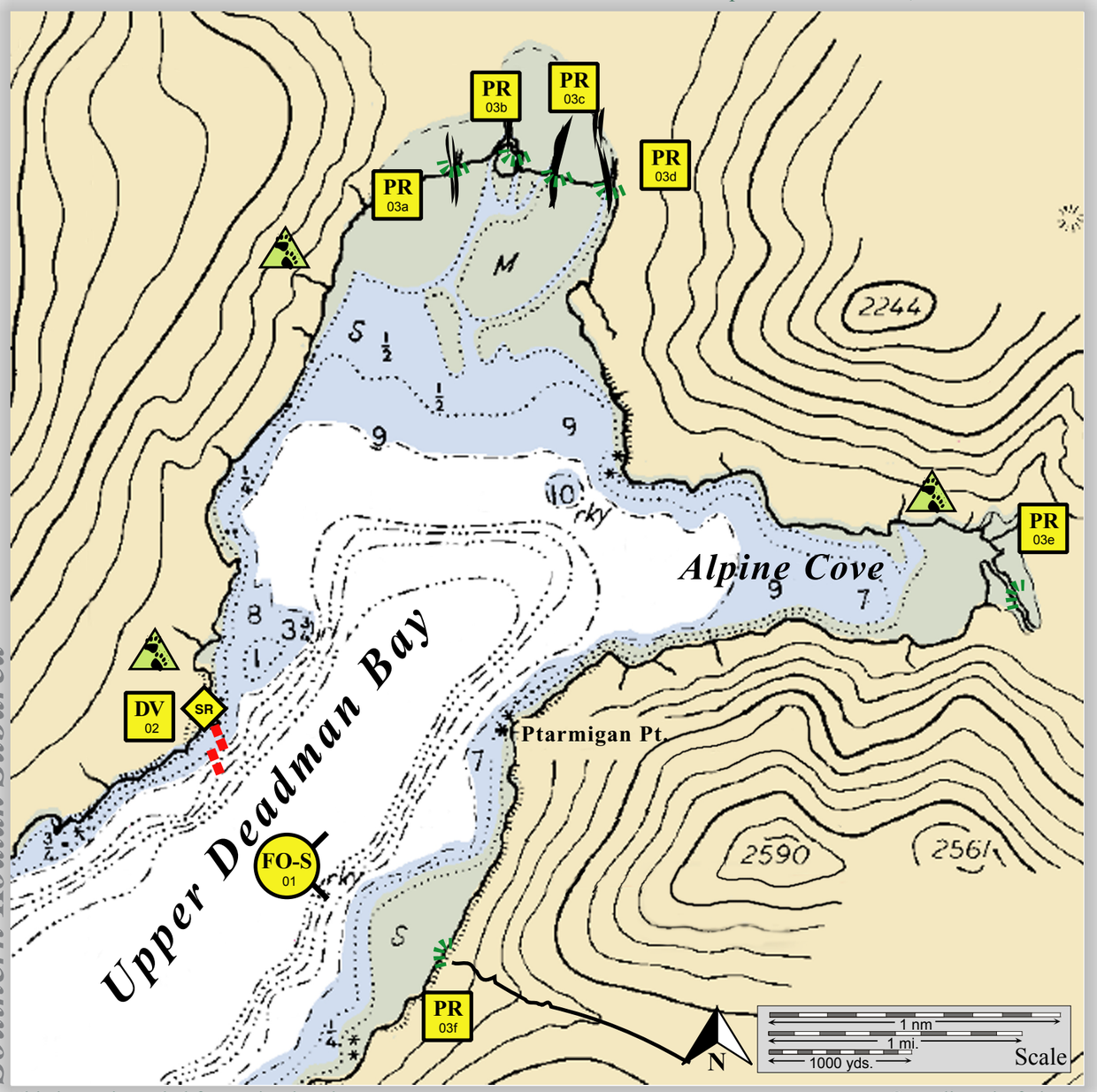
- FO-S — Free-oil Containment and Recovery, Shallow Water
- PR — Passive Recovery
- DV — Diversion Booming
- SR — Shoreside Recovery
- Protected-water Boom
- Sorbent and Snare Boom
- Bears in Area, Guards Recommended

Upper Deadman Bay viewed from the south.

Upper Deadman Bay, K-84

Geographic Response Strategies for Southern Kodiak Subarea

Center of map at 57° 06.3' N Lat., 153° 51.5' W Lon.



This is not intended for navigational use.

Soundings in fathoms

October 30, 2008

DRAFT 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
K-84-01 FO-S	**Upper Deadman Bay** Nearshore waters in the general area of: Lat. 57º06.82'N Lon. 153º49.88'W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Upper Deadman Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Upper Deadman Bay. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts the sensitive areas in Upper Deadman Bay.	Vessel Platform	Via marine waters Chart 16590-1	Same as K-84-02	Vessel master should have local knowledge. Use extreme caution, shoal waters and strong current throughout this area.
K-84-02 DV	**Upper Deadman Bay** Lat. 57º07.77'N Lon. 153º49.27'W	**Divert and Collect** Divert oil to shore-side collection points determined by spill source and trajectory	Deploy anchors and boom with skiffs (class 6). Place 2 x 300 ft. sections of protected-water boom in cascaded arrays at proper angle to divert incoming oil to the collection sites. Set up collection sites and tend throughout the tide.	**Deployment** **Equipment** 600 ft. protected-water boom 6 ea. small anchor systems 2 ea. anchor stakes 1 ea. shore-side collection system **Vessels** 1 ea. class 3 2 ea. class 6 **Personnel/Shift** 7 ea. vessel crew/general tech **Tending** **Vessel** 1 ea. class 3 1 ea. class 6 **Personnel/Shift** 3 ea. vessel crew/general tech	Vessel Platform	Via marine waters Chart 16590-1	Fish- intertidal spawning- salmon (May-Sept.), herring (April-May) Birds-waterfowl concentration, seabird nesting Marine mammals- seals, otters Habitat- marsh, sheltered rocky shoreline, gravel beaches	Vessel master should have local knowledge. Take appropriate measures as outlined in the STARR Manual to protect the beach at the shore-side collection site. Site surveyed: 5/21/08 Tested: not yet
K-84-03 PR	**Upper Deadman Bay Streams** a. Lat. 57º09.49'N Lon. 153º48.07'W b. Lat. 57º09.46'N Lon. 153º47.73'W c. Lat. 57º09.41'N Lon. 153º47.57'W d. Lat. 57º09.31'N Lon. 153º47.25'W e. Lat. 57º08.19'N Lon. 153º44.25'W f. Lat. 57º07.09'N Lon. 153º47.69'W	**Passive Recovery** Place passive recovery across the channels of the streams in Upper Deadman Bay.	Deploy snare line or sorbent boom and anchors with skiffs across the identified stream. All the streams require approximately 100 ft. of boom. Replace as necessary to maximize the recovery.	**Deployment** **Equipment** 600 ft. snare line or sorbent boom 2 ea. small anchor systems 24 ea. anchor stakes **Vessels/Personnel/Shift** Same as K-84-02 **Tending** **Vessels/Personnel/Shift** Same as K-84-02	Vessel platform	Via marine waters Chart 16590-1	Same as K-84-02	Vessel masters should have local knowledge. Use snare line for persistent oils and sorbent boom for non-persistent oils. Tested: not yet