

6-420-X Site Summary - Cross-Bay Boom Strategy

6-420-X

County : San Diego ACP Division/Segment : SD - H - S011 SD - I - S001 SD - I - S002 SD - J - S001

NOAA Chart : 18773 Map Book : 1309 F4 Decimal Degrees 32.65684 -117.12246

Site Description:

The Cross-Bay Booming Strategy is the primary tactical strategy for protecting all environmentally sensitive sites in the south bay. RESPONDERS MUST DEPLOY CONTAINMENT BOOM AT THE BEST AVAILABLE LOCATION(S) TO STOP THE SPREAD OF OIL SPILLED INSIDE THE BAY. The site diagram depicts some of the potential deployment locations that are available. The deployment of deflection boom for this strategy can occur at many accessible locations. Multiple boom deployments may be warranted to stop the spread of oil into the south bay. Short sections of boom should be anchored into place to form a cascading array that can bring oil to the shoreline for collection.

Resources at Risk:

ESI and Habitat: 8B Sheltered solid man-made structures
9A Sheltered tidal flats

List of Resources at Risk:

Table with 4 columns: Resource Name, Status, Presence. Rows include Birds (migratory waterfowl, waterfowl), Invertebrates (rocky intertidal resources), Mammals (marine mammals), and Reptiles (green sea turtle).

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Table with 4 columns: Type, Name/Title, Organization, Phone. Rows list contacts like Dr. Seth Mallios, San Diego Harbor Police Dispatch, San Diego Port District, and Stuart Morgan/NOSC Program Mgr.

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

The entire south end of San Diego Bay is at risk of free floating petroleum. Numerous species of birds, fishes, invertebrates, and several mammals, along with green sea turtles, and submerged vegetation and acres of mudflat are threatened year-round if the movement of floating product cannot be checked farther north. Over-wintering waterfowl may be found throughout the response area.

**Concerns and Advice to Responders:**

The Cross-Bay Deflection Boom strategy was developed from the recognition that protecting several individual sites in the south bay would require a tremendous amount of response equipment to be delivered into relatively remote locations, sometimes with very shallow water conditions, within a very short time frame. The intent of the Cross-Bay Deflection Boom strategy is to halt or impede the southward progression of oil when released in a location north of the 24th Street Terminal. This strategy takes advantage of the fact that prevailing winds and currents normally cause floating oil to stay close to the eastern side of the bay. Several convenient man-made embayments can be utilized to contain and recover free product.

**Hazard and Restrictions:**

A vessel traffic plan that includes safety boom monitors should be established before the boom is deployed across any navigational channel.

**Site Strategies:**

**Strategy: 6-420.1 Objective:** Opportunistically deploy deflection boom(s) to strand oil onshore.

**Strategy:** Utilizing the most appropriate pier end or shoreline, deploy 2,000 feet of harbor boom to strand oil on the shoreline. Secure one boom end to any appropriate pier end, and anchor the mid-channel boom end. More than one site may be utilized, as deemed necessary and appropriate. Sites should be selected where shoreline oil collection is feasible.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			2000	feet	<i>Strategy Updated:</i> <i>Last Test: 4/12/2016</i>
Anchor	Danforth	25 lb		8		
Vessel	Boom Boat			2		
Staff	Staff to Deploy			4		

**Strategy: 6-420.2 Objective:** Collect oil offshore before it arrives on the beach.

**Strategy:** Deploy a towed boom array to intercept floating petroleum. (The equipment list describes a single towed array). Multiple arrays may be required to address large spills.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boat	Boom Boat			2		<i>Strategy Updated: 4/12/2016</i> <i>Last Test:</i>
Boom	Harbor Boom			500	feet	
Staff	Staff to Deploy			6		

**Logistics:**

**Directions:** More than one site may be utilized, as deemed necessary and appropriate.

**Land Access:** Various locations around the bay can be used if they provide good land access for oil collection.

**On-Water Limitations:** All pier ends are accessible by boat.

**Facilities, Staging Areas, Command Posts, Available Equipment:**

**Communications Problems:** Consider broadcasting a Notice to Mariners to inform vessel operators of deployed boom and

**Additional Operational Comments:**



Imagery: NAIP 2016, 60 cm resolution