6-400-X Site Summary - Entrance San Diego Bay 6-400-X

County : San Diego **ACP Division / Segment :**

NOAA Chart : 18773 ***Map Book :*** 1288 B7 ***Decimal Degrees*** 32.68329 -117.23015

Site Description:

This site is approximately 2000 feet wide at Ballast Point. The entrance to San Diego Bay is large and subject to tidal currents up to 2 knots. It supports a significant volume of vessel traffic. Numerous environmental and economic sensitive sites are located inside San Diego Bay. At the north end of the bay economic sites will dominate a response effort. Located near the entrance are three separate environmental sites that may be affected by free floating oil within minutes to hours during a flood tide. Two of those sites require only that the keepers of the marine mammals immediately be notified. Only one beach area is identified for exclusion boom deployment. Similarly, four marina entrances will need to be closed by deployment of exclusionary boom within a few hours.

Resources at Risk:

ESI and Habitat: 9A Sheltered tidal flats

1B Exposed solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	light-footed Ridgway's rail	FE, SE	Year-round
Birds	California least tern	FE, SE	Feb - Sep
Mammals	harbor seal	FP	Year-round
Plants	intertidal mudflat		Year-round
Plants	salt marsh		Year-round

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:

Type	Name / Title	Organization	Phone
C	Dr. Seth Mallios/	South Coastal Information Center	(619) 594-5682
E	/	Navy Base Point Loma	(619) 553-7069
O	/	San Diego Harbor Police Dispatch	(619) 686-6272
O	/Duty Veterinarian	US Navy Marine Mammal Program	(619) 553-5077
T	/	San Diego Port District	(619) 686-6254
T	Stuart Morgan/NOSC Program Mgr	US Navy (Spill Response)	(619) 556-6232

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

Additional Site Summary Comments:

San Diego Bay entrance channel is a large deepwater port entrance which is oriented north-south. It supports a large volume of military, commercial, and recreational vessel traffic. The entrance channel will experience tidal current velocities of 2 knots depending tidal conditions. Winds are generally westerly with southerly or northerly components. However, moderate to strong southerly, northerly, or easterly winds may occasionally develop and persist a day or more.

Concerns and Advice to Responders:

Refer to ACP Site 6-000-A for important information on beach nesting birds that use this site. Be prepared to use site monitors to evaluate and minimize any potential negative effects (especially to listed species), that could result from cleanup and response activities at this site.

Hazard and Restrictions:

Waves & strong currents.

Site Strategies:

Strategy:* 6-400.1 *Objective: Deploy boom to prevent oil spread into the bay.

Strategy: V – configuration radiating from the first outbound red channel marker buoy back toward Ballast Point on the west shore with attachment at the base of the Ballast Point pier piling (1,700 ft). This strategy may be improved by laying segments of boom in place of one string, which would add 500 ft. to the total length of boom needed. On the east shore the boom end will be anchored on the riprap armoring near the head of Zuniga jetty (1,500 ft). The boom will be linked at the channel buoy to prevent any gap. Oil will be deflected to the west and east shorelines for recovery by truck or vessel mounted skimmers.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			3700	feet	
Anchor	Danforth	25	lb	12		
Vessel	Boom Boat			4		
Staff	Staff to Deploy			8		

Strategy:* 6-400.2 *Objective: Deploy boom to prevent oil spread into the bay.

Strategy: Deflection boom beginning at Ballast Point and extending northeast to North Island.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			2000	feet	
Anchor	Danforth	25	lb	8		
Staff	Staff to Deploy			6		
Vessel	Boom Boat			2		

Strategy:* 6-400.3 *Objective: Deploy deflection boom to strand oil onshore.

Strategy: Install boom beginning near the center of the channel and secure it to the shore at the jetty on North Island.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			1500	feet	
Anchor	Danforth	25	lb	3		
Vessel	Boom Boat			1		
Staff	Staff to Deploy			2		

Strategy:* 6-400.4 *Objective: Deploy boom to prevent oil spread in the bay.

Strategy: Collect oil on falling tides by installing a deflection boom from the Scripps Institution of Oceanography's Marine Facilities Pier out to the channel marker buoy #16A.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			3000	feet	
Anchor	Danforth	25	lb	5		
Vessel	Boom Boat			2		

Staff	Staff to Deploy		6

Strategy:* 6-400.5 *Objective: Deploy boom to prevent oil spread in the bay.

Strategy: Anchor near the center of the channel to a point on the jetty at North Island. Plan to collect stranded oil on rising tides.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			1500	feet
Anchor	Danforth	25	lb	3	
Vessel	Boom Boat			2	
Staff	Staff to Deploy			4	

Last Page Update

Strategy:* 6-400.6 *Objective: Deploy boom to prevent oil spread in the bay.

Strategy: Collect oil on falling tides by installing a deflection boom beginning at the public fishing pier on Shelter Island and extending to the channel marker buoy #18.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			3500	feet
Anchor	Danforth	25	lb	8	
Vessel	Boom Boat			2	
Staff	Staff to Deploy			4	

Last Page Update

Strategy:* 6-400.7 *Objective: Deploy boom to prevent oil spread in the bay.

Strategy: Install a collection boom beginning at the beach on North Island south of the boat launch and extending to the channel marker buoy #19.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			2500	feet
Anchor	Danforth	25	lb	4	
Vessel	Boom Boat			1	
Staff	Staff to Deploy			4	

Last Page Update

Strategy:* 6-400.8 *Objective: Boom across the channel to prevent oil movement in the bay.

Strategy: Install a channel closure boom at the entrance of the Shelter Island Marina.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			500	feet
Anchor	Danforth	25	lb	3	
Vessel	Boom Boat			1	
Staff	Staff to Deploy			4	

Last Page Update

Strategy Updated:
Last Test: 8/28/2013

Strategy:* 6-400.9 *Objective: Boom across the channel to prevent oil movement in the bay.

Strategy: Install a closure boom at the entrance of Commercial Basin.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			1000	feet
Anchor	Danforth	25	lb	4	
Vessel	Boom Boat			1	
Staff	Staff to Deploy			4	

Last Page Update

Strategy: **6-400.10** ***Objective:*** Boom across the channel to prevent oil movement in the bay.
Strategy: Install a closure boom at the entrance of Harbor Island Marina.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			1000	feet
Anchor	Danforth	25	lb	4	
Vessel	Boom Boat			1	
Staff	Staff to Deploy			4	

Last Page Update

Strategy: **6-400.11** ***Objective:*** Boom across the channel to prevent oil movement in the Bay.
Strategy: Install a closure across the channel at the Naval Recruit Depot.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit
Boom	Harbor Boom			300	feet
Anchor	Danforth	25	lb	3	
Vessel	Boom Boat			1	
Staff	Staff to Deploy			2	

Last Page Update

Strategy Updated:
Last Test: 8/28/2013

Logistics:

Directions: The San Diego Bay entrance protection strategy is achievable only by boat. This bay mouth is approximately

Land Access: Land access to this response area is limited and largely inside of the boundaries on Naval Base Point Loma.
On-Water Limitations: This response site is accessible by boat only. Vessel traffic plans should be established if boom

Facilities, Staging Areas, Command Posts, Available Equipment: There are many boat launch facilities in San Diego Bay.
Communications Problems:

Additional Operational Comments: San Diego Bay entrance channel is a large deepwater port entrance which is oriented north-south. It supports a large volume of military, commercial, and recreational vessel traffic. The entrance channel will experience tidal current velocities of 2 knots depending on tidal conditions. Winds are generally westerly with

Imagery: NAIP 2016, 60 cm resolution