

2-401-B Site Summary - Pier 39**2-401-B****County:** San Francisco **ACP Division/Segment:** SF - G - S002 SF - G - S003**NOAA Chart:** Entrance to San Francisco Bay 18649 **Map Book:** AAA - San Franc **Decimal Degrees:** 37.81001 -122.411369**Site Description:**

Pier 39 is the basin bounded by Pier 43 to the west and Pier 35 to the east. It is an abandoned marina w/ a range of 50 to 500 juvenile/adult California sea lions. The artificial haul-out created from former docks create a popular tourist attraction. Shoreline structures managed and leased by The Port of San Francisco. These floating docks and most of Pier 39 are fronted with a sea wall along the outer perimeter. This area is composed entirely of manmade structures. Several times each day, the commuter ferries pass by these floating sealion haul-out docks providing constant wake activity. Tourists can buy baitfish and feed pinnipeds thus attracting more wildlife to the site creating an artificial sensitive site. NPS provides a docent to educate the public about pinnipeds and their life cycle.

Resources at Risk:

ESI and Habitat: 8B Sheltered solid man-made structures
8C Sheltered riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Fish	longfin smelt	ST	Year-round	Nov - May
Fish	Pacific herring		Year-round	Nov - Apr
Mammals	California sea lion	FP	Year-round	Aug - Mar

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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Agency Representative, 24-hr	Port of San Francisco	(415) 336-0888
E	/Agency Representative, 24-hr	Port of San Francisco	(415) 819-8965
E	/Duty Officer (24hr)	San Francisco Dept. of Emergency Management	(415) 260-2591
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Dispatch, 24-hr	US National Park Service, Golden Gate NRA	(415) 561-5505

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

Additional Site Summary Comments:

Concerns and Advice to Responders:

Sea lions that inhale fumes or ingest petroleum can be expected to be injured or be severely impacted.

Hazard and Restrictions:

Beware of heavy ferry boat traffic activity here, large wakes, potential for 2 to 3' wakes. Currents may exceed 4 knots making boom deployments very challenging.

Site Strategies:**Site Validation Level: II**

Strategy: 2-401.1 Objective: Exclude oil by booming from entering breakwater. Cascade boom or staff to permit Ferry traffic.

Strategy: (This is a high traffic and commuter terminal; so, there will need to be staff tending the booms at north entry to allow for traffic, unless the marina is closed by IC/UC). Exclude oil from entering the two vessel entrances to Pier 39 with 9X9+ Hboom. 200 ft is needed at the north entrance and 500 ft is needed at the east entrance. Complete exclusion by booming the north and west side of the marina and breakwater. Approximately 900 ft of 9X9+ Hboom is needed along the breakwall located on the west side of Pier 41 to prevent oil from passing through breakwater and along western margin. At the north mouth, angle boom such that a shore side skimming operation can be operated on pier 39 (access has been verified by Clean Bay). At east entrance, angle boom such that a shore side skimming (SSS) operation can be operated on near the foot of pier 35. A self propelled skimmer (SPS) may be necessary near the north mouth, and shore side staff should confer with on water Ops through ICS. Back entry booms with 700 ft of sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1600	feet	
Boom	Sorbent			700	feet	
Anchor	Danforth	22 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		
Staff	Staff to Tend			2		

Strategy: 2-401.2 Objective: Sorbent Protection - complete the sorbent barrier in the interior of the marina breakwater to intercept seepage past booms or through breakwater.

Strategy: Complete the sorbent enclosure inside of breakwalls. Use approximately 1100 ft on east side of Pier 41 to link with the 200 ft at the north entrance. If oil is entering along through the concrete seawall around the Pier 39 marina (east side of pier 39), then an additional 1400 ft of sorbent or swamp boom w/ 5 anchors, will be needed to line the east side breakwater to link up with the 500 ft of sorbent and boom at the east entrance (assess and request additional resources). Light anchoring will be needed to keep sorbent positioned near breakwaters and preventing them from hanging up during high tides.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Sorbent			1400	feet	
Anchor	Danforth			5		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

Strategy: 2-401.3 Objective: Skimming collectable oil with one Self Propelled Skimmer or one Shoreside Skimmer

Strategy: One shoreside skimmers can be operated at the southeast corner of the marina. A self propelled skimmer should be operated within and mostly at the west side of the pier to collect free-floating oil.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	shoreside			1		
skimmer	self propelled			1		
Staff	Staff to Deploy			3		

Logistics:

Directions: From the Oakland-San Francisco Bay Bridge (Highway 80), take the Embarcadero Street exit. Proceed on Embarcadero Street for approx two miles, Pier 39 will be on your right. Access via "K" dock gate from Pier 39.

Land Access: Paved access for vehicles. Coordinate pier and shoreline access thru Port of San Francisco Staff.

On-Water Limitations: Launching: Harbor Drive, Sausalito: Turney St, Sausalito; Berkeley Marina: Emeryville Marina: Fifth Ave. Marina, Oakland; Ballena Isle Marina, Alameda Fuel: Gashouse Cove and Hyde Street Harbor Fuel Dock.

Facilities, Staging Areas, Command Posts, Available Equipment: San Francisco OES will identify available staging areas, field posts and command posts in vicinity.

Communications Problems: Good cell reception throughout.

