

**2-402-C Site Summary - Alcatraz Island****2-402-C****County:** San Francisco **ACP Division/Segment:** SF - H - S001 SF - H - S008**NOAA Chart:** Entrance to San Francisco Bay 18649 **Map Book:** AAA - San Franc **Decimal Degrees:** 37.826547 -122.421371**Site Description:**

Alcatraz Island is a historical site which includes an old prison and lighthouse. It is part of Golden Gate National Recreation Area (GGNRA) and is managed by the National Park Service (NPS). The island is located in central San Francisco Bay and exposed on all sides to extreme tidal currents, wave action, and weather conditions. The shorelines are rocky intertidal platforms on the west and southwest sides; a gravel beach extends from the southern rocky platforms to the eastern side; rock cliffs are present on the majority of the west, north, and northeast sides; and pier pilings and dock facilities are present on the east side. Bird breeding colonies, all around the island, are a primary concern during spring and summer, though most nests are above the influence of tidal height. Wave refraction off the island shores tend to keep oil off Alcatraz.

**Resources at Risk:***ESI and Habitat:* 2A Exposed wave-cut platforms in bedrock, mud, or clay**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	black-crowned night heron	FP	Year-round	Feb - Sep
Birds	Brandt's cormorant	FP	Year-round	Feb - Sep
Birds	great egret	FP	Year-round	Feb - Sep
Birds	western gull	FP	Year-round	Feb - Sep
Fish	Pacific herring		Year-round	Nov - Apr
Fish	longfin smelt	ST	Year-round	Nov - May

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	/Duty Officer (24hr)	San Francisco Dept. of Emergency Management	(415) 260-2591
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Agency Representative	US National Park Service, Golden Gate	(415) 561-4731
T	/Aquatic Ecologist	US National Park Service, Golden Gate	(415) 289-1838
T	/Dispatch	US National Park Service, Golden Gate	(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:**

Based on experience, oil doesn't impact this site because waves reflect off the rocky shoreline keeping oil off. Disturbance of nesting birds in Spring and Summer is a real concern. The gravel beach would be difficult to clean if affected. Anchoring is difficult but possible on the W, S, and E sides of the island. Depths range from 30 to 80 ft. close to the island. Strong flood and ebb currents exist here. Back eddies form on the east side during flood tide.

**Hazard and Restrictions:**

There is a wash rock (aka Little Alcatraz) located off the west tip of the island and shallow rock platforms and rocks near shore.

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

**Strategy: 2-402.1 Objective:** Protection booming in unusual conditions: When wave reflection will not likely keep oil off shoreline, protect the sensitive rocky intertidal zone on the south eastern part of the island.

**Strategy:** In order to protect the sensitive rocky intertidal zone on the south easterly side of the island, use 650 to 800 ft of 9X9+ Hboom. Position the boom from the dock around the south and west sides to the end of the rocky intertidal bench located near the bird colony on the cliff. The boom will act to deflect oil into the current and protect the shoreline.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		800	feet	
Anchor	Danforth	40 lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		
Staff	Staff to Tend			2		

**Strategy: 2-402.2 Objective:** Deflection booming in unusual conditions: When wave reflection will not likely keep oil off shoreline, deflect oil away from and around west end of island when wave refraction is unlikely to keep oil off the shoreline

**Strategy:** On the west end of the island, position 9X9+ Hboom in a deflection wedge configuration off the bell buoy or anchored to the reef to deflect oil into current away from island. Three boom legs 600 to 1000 ft each.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2100	feet	
Anchor	Danforth	40 lb		15		
Vessel	Boom Boat			2		
Staff	Staff to Deploy			6		

**Logistics:**

**Directions:** Alcatraz is an island located in central San Francisco Bay. Access is available by boat only. Contact NPS for ferry schedule.

**Land Access:** Access available by water only.

**On-Water Limitations:** Submerged rocks on west and south shores. National Park Service maintains landing at east end of island. Otherwise boat services are at San Francisco shoreline.

**Facilities, Staging Areas, Command Posts, Available Equipment:** Staging, storage and skimming systems from land could be accommodated on the dock located on the east side of the island. Extensive services are at the SF shoreline.

**Communications Problems:**

