

**2-427-A Site Summary - Marin Islands****2-427-A****County:** Marin **ACP Division/Segment:** MR - U - S008 MR - U - S009**NOAA Chart:** 18649 Entrance to SF Bay **Map Book:** **Decimal Degrees:** 37.964693 -122.469111**Site Description:**

This site includes both of Marin Islands (East & West) and the surrounding waters of San Rafael Bay. The site is part of Marin Islands State Marine Park. The two islands are owned & managed by the US Fish & Wildlife Service (USFWS) as a wildlife preserve. This site is one of the most ecologically important and sensitive sites in the San Francisco Bay. These islands support one of the largest heron and egret rookeries in northern California. Each island is less than one-quarter mile in diameter and covered with trees. Both islands rise steep and provide excellent fledgling rookery habitat. The surrounding shores are gravel, cobble, and boulder. The narrow channel is located south of the islands, provides access to San Rafael/San Rafael Creek boat traffic.

**Resources at Risk:**

*ESI and Habitat:* 1C Exposed rocky cliffs with boulder talus base  
 5 Mixed sand and gravel beaches  
 6A Gravel Beach

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	great blue heron	FP	Year-round	Nov-Apr
Birds	great egret	FP	Year-round	Nov-Apr
Birds	black-crowned night heron	FP	Year-round	Feb-Sep
Birds	snowy egret	FP	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	/Emergency Contact (24hr)	Marin County Emergency 911	(415) 472-0911
E	/Emergency Service Coordinator	Marin County Office of Emergency Services	(415) 250-0267
E	/Dispatch, 24-hr	Marin County Sheriff's Department	(415) 479-2311
O	/Office	Audubon Society, Marin County Chapter	(415) 924-6057
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Research Wildlife Biologist	US Geological Survey, SF Bay Estuary	(415) 859-1511
T	/Spill Response Coordinator	USFWS, SF Bay-Delta Office	(916) 799-0588

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:**

This site is one of the most ecologically important and sensitive sites in the San Francisco Bay. These islands support one of the largest heron & egret rookeries in northern California. Although oil can't reach the nest sites, the disturbance of protection and cleanup could be devastating. For this reason, deploy strategy with as little disturbance and noise as practical and do not get on the islands without explicit instructions from ICS and accompanying USFWS staff.

**Hazard and Restrictions:**

This is a shallow water site. There are several submerged rocks. Proceed with caution. Avoid eelgrass beds with outboard engines.

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

**Strategy: 2-427.1 Objective:** Deflect oil past islands with chevron at east end.

*Strategy:* Deploy a deflection chevron close to the east tip of East Marin Island: 3000' 9X9+ Harbor boom. Deploy as close to east tip as practical. Anchor with suitable anchors for wind and wave conditions.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Anchor	Danforth	22 lb		10		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

**Strategy: 2-427.2 Objective:** Protective enclosure booming of both islands in the event of heavy oil threat.

*Strategy:* Wrap both islands completely by linking to existing chevron (see 2-427.1) Secure boom to chevron legs at least 100' back from tips and surround islands (4000' 9X9+ Hboom).

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		4000	feet	
Anchor	Danforth	22 lb		12		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

**Logistics:**

*Directions:* There is no land access to this site: water access only. The islands are northwest from the San Rafael Bridge. The islands are just north of the channel from the San Rafael Creek and about one-half mile offshore of the Marin Peninsula.

*Land Access:* Site only accessible from boat. DO NOT ACCESS w/o coordination w/ USFWS Staff.

*On-Water Limitations:* Boulders, cobbles and shallow water surround these islands. Nearest launch is Loch Lomond Marina at 110 Loch Lomond Drive. Numerous marinas & facilities etc. are located in San Rafael.

*Facilities, Staging Areas, Command Posts, Available Equipment:* The staging site will depend on the spill scenario. Numerous marinas can be used as staging areas and boat launch sites is San Rafael.

*Communications Problems:* Good cell reception throughout.

