

2-455-X Site Summary - Santa Fe Channel/Harbor Channel**2-455-X****County:** Contra Costa **ACP Division/Segment:** CC - Z - S014**NOAA Chart:** S Francisco Bay-Angel **Map Book:** AAA West Contra **Decimal Degrees:** 37.912796 -122.363308
I - P S Pedro**Site Description:**

The Santa Fe Channel/Harbor Channel combined make up the main shipping channel of Richmond Harbor. It lies south of Cutting Blvd and highway 580 between Point Richmond and the city of Richmond and Richmond Marina Bay. The shorelines are of man-made materials including rip-rap, pier pilings, and seawalls. There are small patches of mixed sand, gravel beaches and wetland vegetation. There are Eelgrass beds just outside the harbor mouth, these eelgrass beds contract and expand annually. Due to the sheltered channel, currents are generally weak, less than one knot and are generally protected from strong wind and seas. Spills are likely to come from local industry within the channel. Local industries within the channel communicate well and work together to mitigate any on-water threats.

Resources at Risk:*ESI and Habitat:* 8B Sheltered solid man-made structures

8C Sheltered riprap

6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	western gull	FP	Year-round	
Fish	longfin smelt	ST	Year-round	Nov-Apr

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	/Dispatch/Watch Command	City of Richmond Police Department	(510) 233-1214
E	/Dispatch, 24-hr	Contra Costa Water District	(925) 688-8374
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Park Supervisor	East Bay Regional Park District	(510) 881-1832
E	/Operations	Port of Richmond	(510) 215-4600
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
S	/24hr Emergency Pager	Contra Costa County Hazardous Materials	(925) 655-3232
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 468-4421

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 is an industrial area with an elevated risk of spills. It is an excellent site to collect, contain, and recover oil. Oil that escapes this area will present a greater threat to highly sensitive areas nearby. While plants and animals living on rip-rap, seawalls and pilings, in the water column, and birds resting on the water in Santa Fe Channel may be sensitive and vulnerable to oil, the total impact upon wildlife, and the cost of cleanup and restoration can be limited by the containment and recovery of oil within Harbor Channel.

Hazard and Restrictions:

This is an industrial area. Be aware of truck traffic on the roads and large shipping vessels in the channel. People working on the water, particularly those in small craft must be aware of busy shipping traffic and the potential for objects to fall from docks. Currents are light and the channel waters are generally deep.

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

Strategy: 2-455.1 Objective: Contain/collect oil within Channel and prevent oil from leaving the channel and threatening sensitive sites immediately outside of the channel. Divert oil to shore side skimming.

Strategy: Contain the Channel by closing the mouth with repeated boom layers and divert to shore side skimming (SSS). Deploy 2000 feet of 9X9+ Hboom from Sheridan Point Park to Potrero Point. Collect and recover oil at Potrero Point on the ebb tide. Deploy another 2,000 feet of 9X9+ Hboom parallel to and 2,000 feet north of the first. Collect and recover oil along the west side of the channel on the ebb tide. Deploy 1000 feet of boom in a north to south direction from the west side of the confluence of the Lauritzen Canal and the Santa Fe Channel to the opposite side of Santa Fe Channel. Collect oil in Lauritzen Canal on the flood tide. Oil could also be collected in the Parr-Rich Canal on the flood tide using a similar deployment, however, this site would require 2,000 feet of Hboom. The former dry docks immediately west of Potrero Point should be used to collect and recover oil. Collection can be enhanced by deploying a 600 foot length of boom from the southwest corner of a dry dock in a east to southeast direction and anchoring it there. At least two such collection systems should be set up. Sorbent boom should be available to back up and catch any oil that might escape the collection sites.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		6200	feet	
Boom	Sorbent			500	feet	
Anchor	Danforth	22 lb		17		
Vessel	Boom Boat			3		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			10		

Logistics:

Directions: Take highway 580 to Richmond. To reach the Richmond Marina Bay launch ramp, take the Harbor way exit. Turn south onto Harbor Way South. Turn left on Hall and proceed to the Richmond Marina. To reach the oil terminals on the west side of the Santa Fe Channel, take the Canal Blvd. Exit. Turn south onto Canal Blvd and proceed to the appropriate terminal.

Land Access: Good access for trucks and other heavy equipment along most shorelines.

On-Water Limitations: Good access throughout channel with boat launching at Richmond Marina Bay.

Facilities, Staging Areas, Command Posts, Available Equipment: Potential staging areas at most oil terminals along the channel, at MSRC at the end of Canal Blvd. and at Richmond Marina. Most oil terminals can set up small command posts.

Communications Problems: Good cell reception throughout.

