

2-424-A Site Summary - Paradise Cay Eelgrass**2-424-A****County:** Marin**ACP Division/Segment:** MR - S - S006 MR - S - S005**NOAA Chart:** Entrance to San Francisco Bay 18649**Map Book:** AAA - Mill Vall**Decimal Degrees:** 37.905978 -122.474655**Site Description:**

Paradise Cay eelgrass bed lies to the north west side of the Tiburon Peninsula. It is bounded on the north by Paradise Cay Marina and on the south by El Campo. The shoreline is protected behind Tiburon Peninsula and prograding, and so, has fine grain sand beach and mudflats extending out from shore. There is an occasional patchy emergent vegetation along the shore. Eelgrass beds are scattered throughout the site in shallow water beginning at Paradise Cay and near the shoreline for over a mile. Eelgrass structure is subtidal but fronds are commonly on the surface during low tide cycles.

Resources at Risk:*ESI and Habitat:* 8A Sheltered scarps in bedrock, mud, or clay

8B Sheltered solid man-made structures

5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Fish	Pacific herring		Year-round	Nov - Apr
Fish	longfin smelt	ST	Year-round	Nov - May
Plants	eelgrass		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	/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
E	/Office	Paradise Cay Yacht Harbor	(415) 435-4292
O	/Office	Audubon Society, Marin County Chapter	(415) 924-6057
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Agency Representative	California Department of Fish and Wildlife	(707) 644-2812

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:

Eelgrass has high ecological habitat value and is utilized by numerous species. Eelgrass leaves (fronds) are rough, and unlike most water plants, oil will readily attach. Booming off eelgrass beds will also protect the sandy shoreline.

Hazard and Restrictions:

Shallow throughout. Some obstructions near shore where old piers/pilings are in evidence. Avoid outboard engines transitting thru eelgrass beds.

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

Strategy: 2-424.1 Objective: Primary: Assess vulnerability of eelgrass to oil

Strategy: Assign a scientist to assess eelgrass exposure to oil at prevailing tides. Best vehicle is aircraft or skiff. Eelgrass is only susceptible when at negative tides.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Personnel	OSPR Staff ES			1		

Strategy: 2-424.2 Objective: Exclusion around eelgrass nearshore area immediately south of Paradise Cay

Strategy: Use 5,100 ft of Harbor boom (9X9) under calm conditions and 9X9+ Hboom when there is chop at this protected location from the southeast corner (jetty) of Paradise Cay Marina to El Campo Point to exclude oil from eelgrass and shoreline.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		5100	feet	
Anchor	Danforth	22 lb		15		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		

Strategy: 2-424.3 Objective: Exclude oil from entering Paradise Cay Marina

Strategy: Deploy 250' Harbor boom in chevron configuration at each of two entrances.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		500	feet	
Anchor	Danforth	22 lb		6		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

Logistics:

Directions: 1) From the south - US 101 NB to the Tiburon Blvd exit toward E. Blithedale. Turn right onto Tiburon Blvd. Turn left onto Trestle Glen Blvd. Turn left onto Paradise Dr. Turn right onto Antilles Way. Turn right onto Martinique and turn right onto Trinidad Dr and follow down to the end. 2) From the north - US 101 SB to the Tamalpais Dr exit toward Paradise Dr. Turn left onto Tamalpais Dr. Turn right onto San Clemente Dr. San Clemente Dr becomes Paradise Dr. Turn left onto Antilles Way. Turn Left onto Martinique Ave. Turn right onto Trinidad Dr and follow down to the end.

Land Access: Good land access at Paradise Cay Marina.

On-Water Limitations: Shallow water. Services at either Sausalito and Richmond.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging at Paradise Cay. Boom may be pulled from truck onto water. Alternative is Paradise Cove County Park.

Communications Problems: Good cell reception throughout.

