

2-552-A Site Summary - China Camp Marsh**2-552-A****County:** Marin **ACP Division/Segment:** MR - V - S008 MR - V - S012**NOAA Chart:** 18654 San Pablo Bay **Map Book:** Marin County, S **Decimal Degrees:** 38.010451 -122.487525**Site Description:**

China Camp includes the salt-marshes and mudflats of China Camp State Park. Historical China Camp is state managed park. Approx boundaries are Rat Rock/Five Pines Point on the east to Gallinas Creek on the west (approx the power line tower). Nearly 3 miles of bayfront salt-marshes, mudflats and rocky intertidal shorelines. The largest pickleweed salt-marsh extends from Gallinas Creek to Buckeye Point (1.5 miles). This is a pristine salt-marsh with extensive tidal channels. Three narrow pocket marshes of cordgrass and pickleweed are present between Buckeye Point to Weber Point, Weber Point to Bullhead Flat, and Bullhead Flat to Five Pines Point.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

8D Sheltered rocky rubble shores

5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Birds	song sparrow	FP, SSC	Year-round	Mar-Jul
Fish	longfin smelt	ST	Year-round	Nov-May
Invertebrates	Olympia oyster		Year-round	
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Plants	Marin knotweed	SSSP	Year-round	May-Aug

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, 24-hr	California State Parks, Bay Area District	(916) 358-0333
E	/Ranger	China Camp State Parks	(415) 456-0766
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	/Research Coordinator	San Francisco Bay Estuarine Research Reserve	(415) 338-3724
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:

Small skiffs can be launched directly from China Camp Beach in coordination of State Parks Personnel. There is a locked gate at the entrance from sunset to sunrise.

Concerns and Advice to Responders:

The large extensive salt-marsh with interior tidal channels is extremely vulnerable to oil. The presence of large tidal mudflats create access difficulties for protection measures thereby increasing the risk of oiling. First priority is to keep oil from being carried into inner marsh via tidal channels. Avoid trampling marsh vegetation and trampling oil into sediments.

Hazard and Restrictions:

Shallow water and mudflats extend out into the bay from all marsh areas. Power lines are present at the west end of the site across Gallinas Creek.

Site Strategies:**Site Validation Level: III**

Strategy: 2-552.1 Objective: On-water recovery of oil to prevent oil from entering marshes, tidal channels and mudflats.

Strategy: Conduct on-water recovery in deeper water and channels near Rat Rock and east of China Camp State Park.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	self propelled			2		
Staff	Staff to Deploy			4		

Strategy: 2-552.2 Objective: Deflect oil away from shoreline into main channel. Prevent oil from entering marshes and tidal channels.

Strategy: Deploy deflection 9X9+ Hboom from mainland shore near Rat Rock and at Buckeye Point (at pier pilings). Deploy in 200-500 ft. sections. 500 ft. at each site.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1000	feet	
Anchor	Danforth	22 lb		4		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-552.3 Objective: Exclude oil from entering marshes and tidal channels from Gallinas Creek to Rat Rock.

Strategy: Exclusion booming of inlets in largest (west) marsh if limited by equipment/time. Seven tidal channels are present in the largest marsh. Deploy a combination of "V" shape swamp booms across channel openings (50 ft. each).

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		350	feet	Strategy Updated: 2/6/2019
Anchor	Danforth	22 lb		8		Last Test: 2/6/2019
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-552.4 Objective: Protective booming of marsh fronts from Gallinas Creek to Rat Rock

Strategy: Deploy swamp boom along marsh fronts to exclude oil. Deploy at high tide over mudflats as close to marsh front as possible. From west to east, the marshes at this site require 9000 ft Swamp boom. From Buckeye Pt to Rat Rock, use 3200 ft Harbor Boom (2200 ft west leg, 1000 ft east leg) to exclude shoreline.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		9000	feet	<i>Strategy Updated: 2/6/2019</i>
Boom	Harbor Boom	9x9 inch		3200	feet	<i>Last Test: 2/6/2019</i>
Anchor	Danforth	22 lb		28		
Vessel	Boom Boat			4		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			12		

Logistics:

Directions: From Hwy 101 in San Rafael, Marin County; take the San Pedro Road exit. Proceed east on San Pedro Road to China Camp State Park.

Land Access: Large trucks on pavement only. Coordinate with State Parks Personnel for access thru gate.

On-Water Limitations: Very shallow water (<3 ft.) Small boat launch at Buck's Landing. Water access also near Rat Rock (Bullshead flat). Skiff or punts can also be launched from China Camp Beach.

Facilities, Staging Areas, Command Posts, Available Equipment: Launch at at Buck's Landing. Staging at Buck's Landing, Bullshead Flat and McNear's Beach. No spill response equipment stored locally.

Communications Problems: Good cell reception in area.

