

County: Humboldt **ACP Division/Segment:** HM - G - S24**NOAA Chart:** 18622**Map Book:** CA Road Atlas**Decimal Degrees:** 40.80918 -124.15967**Site Description:**

Woodley Island is managed by the Humboldt Bay Harbor, Recreation, and Conservation District and features a large and busy public marina. The response site is designed to stop oil on an incoming tide from moving further up the Eureka channel towards Arcata Bay on a flood tide and strand oil on Woodley Island for collection. It may also be appropriate on the ebb tide to strand floating oil as it comes back down either channel from Arcata Bay. The response area is the two bifurcating channels at the southwest tip of Woodley Island. Oil should be stranded on the shore as near to this the tip of Woodley Island as is feasible under prevailing response conditions. The stranding site is near the Fishermen's Memorial Statue at the southwestern tip of the Island. Oil from the middle channel should be diverted to the west side of the island into the natural collection cove there. Extensive marsh complexes exist further north in Arcata Bay and may be better protected by intercepting oil here, if possible.

This is a popular habitat for wildlife and a high bird use area year-round. Excluding oil from this site is of primary concern. Extensive marsh system and wetlands are vulnerable to oiling. Natural resources nearby include waterfowl, shorebirds, wading birds including herons and egrets, seabirds and waterbirds including brown pelican, grebes, gulls, loons, cormorants; yellow rail (SSC); bank swallow (ST); brant present Nov-Apr; raptors include bald eagle (SE), northern harrier, osprey and peregrine falcon. Marine mammals including California sea lions, harbor seals and river otters; fisheries nearby include eulachon (FT), green sturgeon (FT,SSC), longfin smelt (ST), groundfish (EFH), Pacific and western brook lamprey (both SSC), salmonids including chinook (FT) and coho salmon (FT,ST), coastal cutthroat trout (SSC) and steelhead (FT), tidewater goby (FE, SSC, Critical Habitat), Pacific herring spawn on eelgrass, Dungeness crab, oyster aquaculture in area, extensive eelgrass beds. Sensitive vegetation including Humboldt Bay owls-clover, perennial goldfields, Point Reyes salty bird's-beak, round-headed Chinese-houses (all CNPS 1B.2); western bumble bee.

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

9A Sheltered tidal flats

8C Sheltered riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	marbled murrelet	FT, SE	Year-round	
Fish	longfin smelt	ST	Year-round	
Fish	tidewater goby	FE, SSC	Year-round	
Fish	Pacific lamprey	SSC	Year-round	
Fish	eulachon	FT	Year-round	
Fish	salmonids		Year-round	
Fish	green sturgeon - Southern	FT, SSC	Year-round	
Plants	Humboldt Bay owl's-clover	SSSP	Year-round	Apr-Aug
Plants	Pt. Reyes bird's-beak	SSSP	Year-round	Jun-Oct

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
C	/	The Wiyot Tribe	(707) 733-5055
E	/	City of Eureka	(707) 441-4203
O	/	Humboldt Bay Harbor District	(707) 443-0801
T	/24hr	City of Eureka Public Marina	(707) 499-9755
T	/	NOAA National Marine Fisheries Service-Arcata	(707) 822-7201
T	/	US Fish and Wildlife Service-Arcata Field Office	(707) 822-7201

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 373-3710, the State Office of Historical Preservation (916) 445-7000, and/or the Northwest Information Center (707) 588-8455.

Concerns and Advice to Responders:

Oiling of marsh complex could cause long term damage to important habitats. Avoid anchoring in eelgrass beds. Be prepared to accommodate vessel traffic between both boom segments. Both strategies should be deployed concurrently with 1-310 to exclude oil and protect Arcata Bay.

Hazard and Restrictions:

There are underwater cables near this response site between Woodley and Indian Islands, see strategy diagram for location, avoid anchoring nearby. The southwest tip of Woodley Island near the Fishermen's Memorial is very shallow at high tide and exposed mudflats at moderate and lower tides. Swift currents in channels may complicate booming, reduce angles or cascade shorter sections.

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

Strategy: 1-328.1 Objective: Boom, collect and skim oil out of the environment.

Strategy: Place boom from Eureka waterfront near C Street across channel to west end of Woodley Island. Deflect oil from out of the Eureka Channel toward a skimmer at Woodley Island for collection on the flood tide. Channel marker may be used to tie-off boom. This strategy may also be possible to implement on the ebb tide with adjustment in collection location to the Eureka side near the foot of C Street. Expect vessel traffic. Vac truck on shore may be useful for product recovery.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	1200 feet				<i>Strategy Updated: Last Test: 3/26/2013</i>
Anchor	Danforth	25 lb		4		
boat	Boom Boat			1		
skimmer	SPS			1		
Stakes, Shovels, Hammers						
Staff	Staff to Deploy			3		

Strategy: 1-328.2 Objective: Boom, collect and skim oil out of the environment

Strategy: Place boom from the southeastern shore of Indian Island to a skimmer on west end of Woodley Island on flood tide. Cascade boom in 400-500 foot sections due to swift currents. Strategy may be possible on ebb tide with adjustment of boom location and angle, re-orient the boom to maintain a similar collection location. Expect vessel traffic. Vac truck on island may be useful for product recovery.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	1200 feet				
Anchor	Danforth	25 lb		4		
boat	Boom Boat			1		
skimmer	SPS			1		
Staff	Staff to Deploy			5		

Logistics:

Directions: Take Highway 255 west from Eureka and exit at Woodley Island. Access Eureka waterfront from Waterfront Drive.

Land Access: Vehicle access to Eureka waterfront and Woodley Island.

On-Water Limitations: Boat launches at Eureka Marina and below Hwy 255 bridge both accessible on Waterfront Drive. Shallow mudflats outside of channels.

Facilities, Staging Areas, Command Posts, Available Equipment: Eureka boat launch parking lots or Woodley Island parking lot may be suitable for local staging.

Communications Problems: none

Additional Operational Comments: This site should be a priority for implementation with a strong westerly wind pushing product out of Samoa Channel toward Eureka.

