

3-110 -A Site Summary- Waddell Creek Inlet and Beach**3-110 -A****County:** Santa Cruz**Thomas Guide Location****Latitude N****Longitude W****USGS Quad:** Año Nuevo

37° 05'

122° 17'

NOAA Chart:**Last Page Update:** 6/30/2014**SITE DESCRIPTION:**

Waddell creek flows year round forming an estuary/lagoon during summer months. Beach length is 0.5 mile by 0.1 mile wide. Minor fringing marsh beneath Highway 1 and a well-developed marsh inland of the bridge supporting a biologically rich area. This site is located within a California State Park. Site is within the following State Marine Protected Area(s): Año Nuevo State Marine Conservation Area. Exposed creek mouth encased by sandy beaches. Anadromous stream which seasonally forms a lagoon. Natural sand deposits and stream flow dictate channel width and location. Medium to fine grain sandy beach.

SEASONAL AND SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round. Steelhead and Coho salmonids utilize watershed as a spawning, holding and nursery area. T&E shorebirds utilize beach and waterway for foraging and roosting.

RESOURCES OF PRIMARY CONCERN

Marsh inland of Hwy. 1 and lagoon may be naturally bermed off during low flow periods, typically during summer months. Area supports several protected species. Use caution when responding to sensitive sites with fragile habitat.

Numerous seabirds and shorebirds may use creek mouth and surrounding beaches year-round. Western snowy plover (FT) - non-breeding roosting birds may be present on beach. Waterfowl (e.g., mallards and scaoters), shorebirds, and coastal seabirds are present year round.

San Francisco garter snake (SE/FE), CA red-legged frog (FT), Western pond turtles (CA Species of Special Concern) are present year-round. CA red-legged frog (FT) may occur in marsh inland of highway, year-round. While not a significant gathering site, Southern Sea Otters (FT) are common throughout Santa Cruz and Monterey counties and may be present near-shore year round.

This stream provides habitat for Steelhead trout (FT), Tidewater goby (FE), Coho salmon (SE/FE).

Site is located within Black Abalone Critical Habitat. Actual presence of black abalone is unknown.

Kelp beds are common near-shore.

The Whiskey Rose (*Rosa pinetorum*) is present within site boundaries.

CULTURAL, HISTORIC, AND ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept of Parks and Recreation - Office of Historic Preservation (Eric Allison: 916-445-7044), and the Northwest Information Center (Bryan Much, Sonoma State College: 707-588-8455) for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name	Title	Organization	Phone
T/E/C		Northern Communications	CA Department of Parks & Recreation	(916) 358-0333
T/E/C		Santa Cruz District	CA Department of Parks & Recreation	(831) 335-6390
O			Santa Cruz County Sherriff	(831) 471-1121
O	Chris Coburn	Resources Planner	Santa Cruz County - Environmental Health Services	(831) 454-2763
T	Scott Kathey	Emergency Response Coord.	Monterey Bay National Marine Sanctuary	(831) 647-4251
T	Becky Ota	Marine Conservation Mgr	CDFW Marine Protected Areas Program	(650) 631-6789
T	Steve Wertz	Senior Env. Scientist	CDFW Marine Protected Areas Program	(562) 342-7184

ADDITIONAL SITE SUMMARY COMMENTS:

Site of Big Basin Redwoods State Park and Waddell Beach (recreational use). Major surfing and wind-surfing area. Across Highway 1 and near fringing marsh is one entrance to Big Basin Redwoods State Park.

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CONCERNS AND ADVICE TO RESPONDERS:

Stop oil at beach. Prevent transit upstream to large marsh system. Present are waterfowl (e.g., mallards and scoters), shorebirds (e.g., Western snowy plovers (FT), sanderlings), and coastal seabirds including the brown pelican. This anadromous stream provides habitat for steelhead trout (FT), tidewater goby (FE), Coho salmon (SE/FE). San Francisco garter snake (SE/FE).

HAZARDS AND RESTRICTIONS:**SITE STRATEGIES**

Oil must be prevented from flowing under Highway 1 bridge and entering the marsh system east of the Highway 1.

Strategy 3-110.1 Objective: Exclude oil by berming, place sorbent boom 30' landward of berm to ensure oil exclusion from marsh

Block entrance (area just seaward of Highway 1 bridge) with sediment berm. May need to install PVC pipe below berm to allow for water outflow. Sediment may be scarce following severe storms. Remove wrack debris or move to points above high tide influence to keep it from becoming contaminated by oil.

Strategy 3-110.2 Objective: Exclude oil by booming

Lay two rows of swamp boom across entrance to Waddell Creek just below Hwy 1 bridge; use sorbent boom to enhance lagoon protection inside of boom.

Strategy 3-110.3 Objective: exclusion by Texas Barrier Boom (TBB); also use to enhance sediment barrier.

Some Texas intertidal boom for berm may be used to exclude oil by forming a barrier just below the

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
3-110.1									500' 6" PVC pipe, ATV, or equivalent berming	20	
3-110.2	0	500	0	500	4 Stakes	0	0	0	0	3	
3-110.3	0	0	500 TBB	0	0	0	0	0	0	4	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Santa Cruz, take Highway 1 north. Access directly from highway, 7.1 miles north of railroad crossing (just north of Davenport). Staging possible in parking lot just north of creek bed. Waddell creek flows year round forming an estuary/lagoon during summer months. Beach length is 0.5 mile by 0.1 mile wide. Minor fringing marsh beneath Highway 1 and a well-developed marsh inland of the bridge supporting a biologically rich area. This site is located within a California State Park. Site is within the following State Marine Protected Area(s): Ano Nuevo State Marine Conservation Area.

LAND ACCESS

Earth moving equipment accessible from north parking lot.

WATER LOGISTICS:

No water access except skiff launched through surf.

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking lot adjacent to PCH, north of creek.

COMMUNICATIONS PROBLEMS: Cell phone and radio reception may be weak.

ADDITIONAL OPERATIONAL COMMENTS:

