

4-085-A Site Summary - Santa Rosa Creek**4-085-A****County:** San Luis Obispo **ACP Division/Segment:** SL - B - S07**NOAA Chart:** 18700**Map Book:** 528 D-6**Decimal Degrees:** 35.56887 -121.11103**Site Description:**

Santa Rosa Creek Inlet, there is small bay/saltwater lagoon landward of spit. Creek fronted by gravel beach. Creek mouth closes intermittently the geomorphology of this beach, Moonstone Beach, fronting Santa Rosa Creek is highly dynamic ranging from fine medium grained sand to gravel to mixed sand and gravel. High likely hood for oil to penetrate gravel. There is often a lot of driftwood debris on the beach. State Park property and Santa Rosa Creek is the southern boundary of Monterey Bay National Marine Sanctuary. Within White Rock State Marine Conservation Area MPA (extends from Pico Creek south 6 miles and 1 mile offshore) and is governed by special protections established by the DFW Marine Region for fisheries protection. Species of concern are present year-round. Designated critical habitat steelhead and tidewater goby. California red-legged frogs and western pond turtles are present in creek. Marine mammals are common offshore including southern sea otters. Designated critical habitat for leatherback sea turtles and black abalone. Black abalone may be present in rocky intertidal habitat. Birds include sandpipers, yellowlegs, gulls, killdeer, egret, marbled godwits, grebes, brown pelicans, and dabbling ducks. Two-striped garter snakes also utilize this habitat.

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

4 Coarse-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	
Fish	tidewater goby	FE, SSC	Year-round	
Fish	steelhead - Central/Northern California	FT	Year-round	
Invertebrates	black abalone	FE	Year-round	
Mammals	harbor seal	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Reptiles	leatherback sea turtle	FE	Aug - Nov	
Reptiles	Western pond turtle	SSC	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	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
T	Steve Wertz/Senior Env. Scientist Supervisor	California Department of Fish and Wildlife, MPAs	(562) 343-3808
T	Kyle Evans/Steelhead	California Department of Fish & Wildlife	(805) 794-9547
T	SURCOM (24-hr)/	California State Parks (Dispatch)	(951) 443-2969
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	Justin Viezicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	Tina Fahy/Sea Turtle Recovery Coordinator	NOAA National Marine Fisheries Service	(562) 980-4023
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(805) 644-1766

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

Additional Site Summary Comments:

Tidewater goby peak nesting in estuary sediments in April - July; steelhead peak spawning March - July; California red-legged frogs peak breeding November - March. Marine mammal pupping season: Harbor seals March - June; southern sea otters year-round. Leatherback sea turtles are most commonly observed August - November.

Concerns and Advice to Responders:

Burial and penetration are a concern with the coarse grained/gravel beach. Minimize disturbance in riparian/wetland areas when possible. When crews must walk in soft bottom wetland/riparian areas, restrict the number and size of pathways and avoid trampling oil into sediments. If creek conditions allow, boom/fencing deployment and recovery to be done by only having one person slowly walk across creek to position the boom/fencing to reduce disturbance. Avoid disturbing bottom lagoon sediments to protect tidewater gobies (endangered) especially April - July, goby nesting season. Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. If supplemental water is used to flush recommend gradually increasing the intensity/volume during the flush for gobies. Steelhead (critical habitat upstream) peak spawning March - July. California red-legged frog breeding November - April, minimize trampling estuary vegetation. Southern sea otters (threatened) pup year-round.

Hazard and Restrictions:

State Park property and Santa Rosa Creek is the southern boundary of Monterey Bay National Marine Sanctuary. Within White Rock State Marine Conservation Area MPA [extends from Pico Creek south 6 miles and 1 mile offshore] for fisheries protection.

Site Strategies:**Site Validation Level: II****Strategy: 4-085.1 Objective:** Deploy Containment Boom

Strategy: When creek mouth is open block entrance with short skirted containment boom (swamp boom) at appropriate angle for swift currents and changing tidal influences; place above high tide line. If creek conditions allow, boom deployment and recovery to be done by only having one person slowly walk across the creek to position the boom (and fence posts or anchors on the bank) to reduce disturbance. Install boom in a configuration/angle which blocks channel and diverts oil to a collection point. Consider booming shorelines of inlet to prevent oiling. Maintenance/monitoring necessary; check boom for effectiveness.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp			300	feet	
skimmer				1		
Anchor				2		
Staff				4		

Strategy: 4-085.2 Objective: Erect Filter Fence

Strategy: When creek mouth is closed install excelsior fencing along top of natural berm to capture oil when there is a potential for high tidal wash over. When creek mouth is open use a filter fence barrier for exclusion/containment. Use this method when the cross-section of the watercourse does not exceed 30 feet in width, water flow volume is low, the channel bottom is capable of receiving and holding metal stakes, and the spill consists of heavy oil. If creek conditions allow, filter fence deployment and recovery to be done by only having one person slowly walk across the creek to position fencing (and fence posts) to reduce disturbance. Maintenance/monitoring of filter fencing necessary.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Fence	Construction Fencing			300	feet	
skimmer				1		
stakes				30		
Staff				4		
Misc.	Oil Snare (pom-pom)					
Misc.	Stake Driver			1		

Strategy: 4-085.3 Objective: Build Berm

Strategy: When creek mouth is open, under low flow conditions block creek entrance with sediment berm or sandbag berm and install flow through pipes as necessary to prevent flooding. Cover berm with plastic sheeting to minimize erosion; and consider backing berm with 10" swamp boom and/or sorbent boom. To create protective berm, take sand from active unvegetated beach face to prevent damage to dune habitat. Manual building of berm preferred over heavy equipment even when heavy equipment can access site. Maintenance/monitoring necessary; check for berm effectiveness.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Sandbags						
Staff				6		
skimmer				1		
Piping						

Logistics:

Directions: From the north: Take Hwy 101 S to Hwy 46 W to hwy 1 N, (or take Hwy 5 S, To Hwy 41 W to Hwy 46 W to Hwy 1 N). Turn left onto Windsor Blvd. (north Cambria). Turn right onto Moonstone Beach Dr. to State Park. From the south: Take Hwy 101 N to San Luis Obispo, take Hwy 1, Morro Bay exit. Drive north on Hwy 1 then continue as above.

Land Access: Foot access only.

On-Water Limitations: Limitations: Depth, obstruction. Launching, Loading, Docking and Services Available: Morro Bay boat ramp (approx. 18 miles south).

Facilities, Staging Areas, Command Posts, Available Equipment: Staging Area: State Park parking lot or Shamel County Park (large parking area). Command Post: State. Parks and Rec. Office at Hearst Castle. Hotels in Cambria. Airports: SLO County Airport is located 40 min. south, Paso Robles Airport is located 45 min inland. The private landing strip is located 6 miles north, north of the Hearst castle visitors center.

Communications Problems: None.

Additional Operational Comments:

