

4-060-A Site Summary - Broken Bridge Creek**4-060-A****County:** San Luis Obispo **ACP Division/Segment:** SL - B - S04**NOAA Chart:** 18700**Map Book:** 324 G-6**Decimal Degrees:** 35.64187 -121.18273**Site Description:**

Broken Bridge Creek is an intermittent creek with a cement culvert under HWY 1. A small saltwater marsh fronted by small pocket sandy beach backed by coastal bluffs. This is Hearst San Simeon State Park property. Species of concern are present year-round. Shorebirds and seabirds include killdeer, cormorants, and brown pelicans. Tidewater gobies, California red-legged frogs, and western pond turtles in this creek. Harbor seals, California sea lions, and southern sea otters present year-round. Black abalone may be present in rocky intertidal habitat (designated critical habitat). Designated critical habitat for leatherback sea turtles.

Resources at Risk:**ESI and Habitat:** 3A Fine- to medium-grained sand beaches

10A Salt - and brackish-water marshes

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 | |
| 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 | 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 Viezbicke/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 is April - July; California red-legged frogs breed November - April. Marine mammal pupping seasons: Harbor seals March - June; southern sea otters year-round. Leatherback sea turtles are most commonly observed August - November.

Concerns and Advice to Responders:

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. Black abalone (endangered) may be present on nearby rocky intertidal habitat (designated critical habitat). Southern sea otters (threatened) pup year-round.

Hazard and Restrictions:

State Park property. Consult before staging equipment and heavy traffic are permitted.

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

Strategy: 4-060.1 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 | | | 100 | feet | |
| Anchor | | | | 2 | | |
| skimmer | | | | 1 | | |
| Staff | | | | 4 | | |
| Vehicle | ATV | | | | | |

Strategy: 4-060.2 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 | | | 100 | feet | |
| stakes | | | | | | |
| skimmer | | | | 1 | | |
| Staff | | | | 4 | | |
| Misc. | Oil Snare (pom-pom) | | | | | |
| Misc. | Stake Driver | | | 1 | | |
| Vehicle | ATV | | | | | |

Strategy: 4-060.3 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 |
|-------------|----------|------|------|-----|------|------------------|
| Heavy Equip | Backhoe | | | | | |
| Skimmer | | | | 1 | | |
| Sandbags | | | | | | |
| Staff | | | | 6 | | |
| Piping | | | | | | |
| Vehicle | ATV | | | | | |

Logistics:

Directions: From the south: Take Hwy 101 N to Hwy 1 N, Morro Bay exit in San Luis Obispo. Continue on Hwy 1, to just south of Hearst Castle (Hearst Castle post mile marker is 57.82) and William R. Hearst Memorial State Beach. Take the dirt road off to the left 1.2 miles north of Little Pico Creek Bridge. From the north: Take Hwy 101 S, (or take Hwy 5 S to Hwy 41 W to Hwy 46 W to Hwy 1 N) precede as above.

Land Access: Vehicle/ATV access at low tide from WR Hearst St. Beach - locked gate.

On-Water Limitations: Limitations: Depth, obstruction. Launching, Loading, Docking and Services Available: Morro Bay boat launch approx. 30 miles south.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging: William R. Hearst State Beach is 2/10 mile north. Command Post: Hotels in San Simeon approx. 4 miles south; State Park's offices at Hearst Castle. Airports: SLO County Airport, approx. 1 hour south. Paso Robles Airport is approx. 45 min. inland. Private strip for small planes north of Hearst castle Visitors Center.

Communications Problems: None.

Additional Operational Comments:

