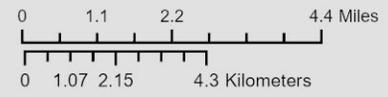


 Environmental Sensitive Sites  
 Operational Division Lines

## ACP 3 - GRA 1

# Environmental Sensitive Sites

## Santa Cruz County



**ACP 3 – North Santa Cruz County**

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Figure 1: Environmental Sensitive Sites + Operational Divisions Overview ..... 1

## 9825 North Santa Cruz County (GRA 1)

North Santa Cruz County is predominantly high-energy rocky coastline beneath steep cliffs with pocket sand beaches encased by sandstone bluffs and wave-cut platforms. Much of the coastline is inaccessible by land due to the terrain. Santa Cruz County is home to several locally endemic species that are threatened or endangered such as the Ohlone tiger beetle and Santa Cruz long-toed salamander. GRA 1 also includes the southern extents of the San Francisco garter snake range and marbled murrelet critical habitat. There are 14 Environmental Sensitive Sites identified in this region, most of which are creek and river mouths, and many are only accessible by footpath. GRA 1 includes Operational Divisions SZ-Div A through SZ-Div C. GRA 1 is largely undeveloped coastline and agricultural land that extends into the western edge of the City of Santa Cruz. Cell phone signal varies by provider; Verizon has the best coverage, but signal is inconsistent and weak in some areas, while other providers have weak to no signal in many locations.

## 9825.1 Geographic Response Strategies for Environmental Sensitive Sites

### 9825.1.1 GRA 1 Site Index

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**County:** Santa Cruz **ACP Division/Segment:** SZ - A - S001**NOAA Chart:** 18680**Map Book:****Decimal Degrees:** 37.09508 -122.27859**Site Description:**

Waddell Creek flows year-round forming a brackish lagoon during summer months. Beach length is 0.5 miles long by 0.1 mile wide. Minor fringing marsh seaward of Highway 1 and a densely vegetated brackish marsh inland of the bridge supporting a biologically rich area. Natural sand deposits and stream flow dictate channel width and location. Waddell Beach and the upcoast bank of Waddell Creek are within Big Basin Redwoods State Park; the downcoast riverbank to Canyon Rd. is private property. Site upcoast boundary (37.097325°, -122.281011°), downcoast boundary (37.088988°, -122.275341°); length 0.66 miles. Creek channel width under Highway 1 bridge is 142 feet. Site is within the Año Nuevo State Marine Reserve and Monterey Bay National Marine Sanctuary.

**Resources at Risk:**

*ESI and Habitat:* 3A Fine- to medium-grained sand beaches  
 10A Salt - and brackish-water marshes  
 6B Riprap

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Amphibians	Santa Cruz black salamander	SSC	Year-round	Jun-Sep
Birds	marbled murrelet	FT, SE	Year-round	Apr-Sep
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Sep
Fish	coho salmon - south of Punta Gorda	FE, SE	Year-round	Nov-Feb
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	tidewater goby	FE, SSC	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	Year-round	
Reptiles	San Francisco garter snake	FE, SE	Year-round	Jun-Sep
Reptiles	Western pond turtle	SSC	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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Surfing and wind-surfing area.

**Concerns and Advice to Responders:**

Surfing and wind-surfing area. Western snowy plovers nest on beach Mar-Sep.

**Hazard and Restrictions:****Site Strategies:****Site Validation Level: II****Strategy: 3-110.1 Objective:** Build Berm

*Strategy:* Exclude oil from creek by building a sediment berm with native sand using heavy equipment. May need to install PVC pipe below berm to allow for water outflow. Place sorbent boom 30 feet upstream of berm. Sediment may be scarce following severe storms.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer or Loader				1		
PVC Pipe		6 inch		500	feet	
Boom	Sorbent			500	feet	
Stakes				2		
Staff				10		
ATV				1		

**Strategy: 3-110.2 Objective:** Deploy Containment Boom

*Strategy:* Exclude oil from creek with two rows of swamp boom on seaward side of Highway 1 bridge. Line upstream side of swamp boom with sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp			500	feet	
Boom	Sorbent			500	feet	
Stakes				4		
Staff				3		

**Logistics:**

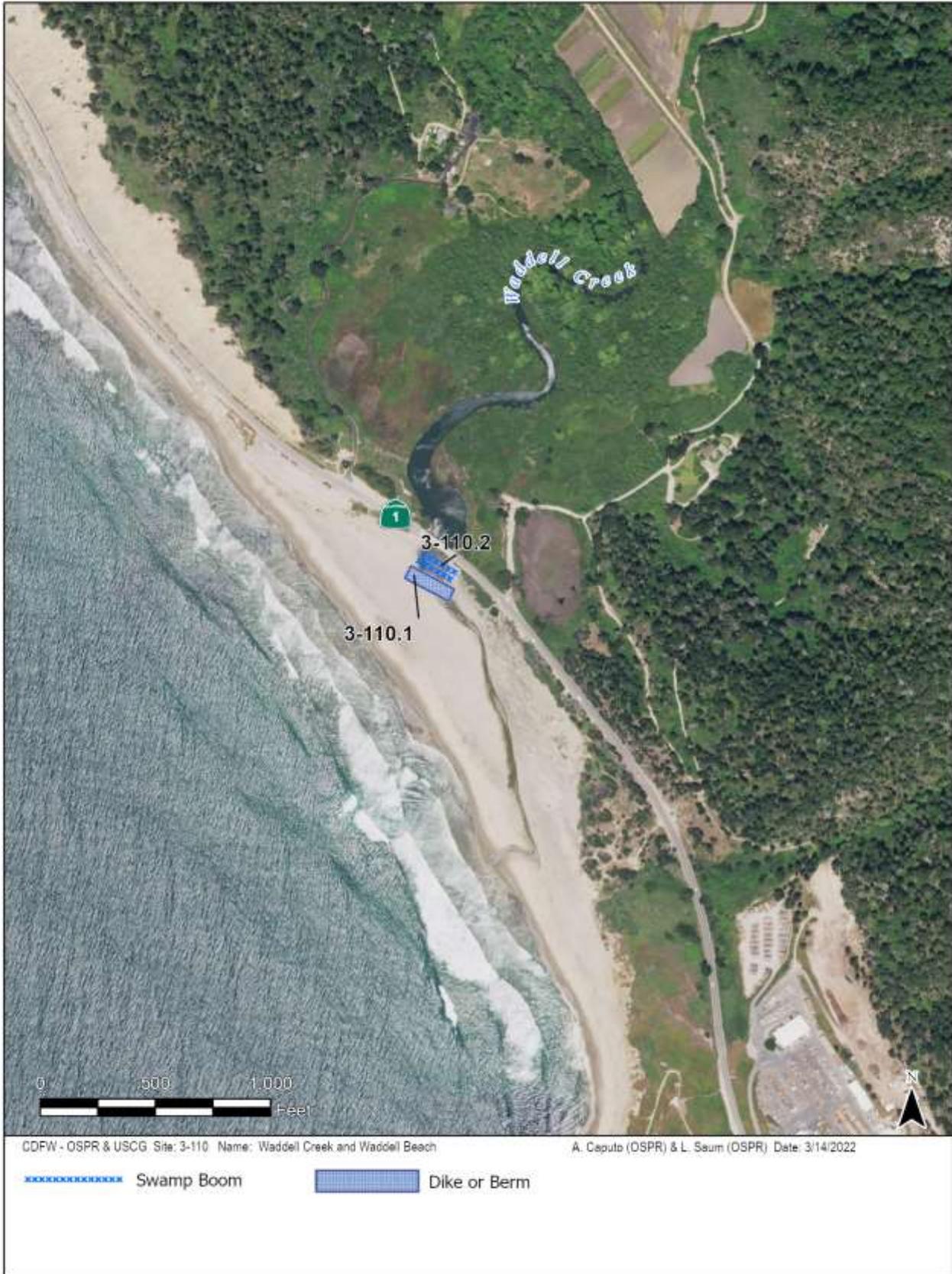
*Directions:* From Santa Cruz, take Highway 1 north, 7.7 miles north of Davenport. Dirt parking lot off Highway 1 southbound lane (37.097121°, -122.280175°), Postmile: Route 1 SCR 36.4; 70 parking spaces. Additional parking area on shoulder of Highway 1 northbound lane; 15 parking spaces.

*Land Access:* Heavy equipment access from north parking lot.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (18 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* Vault toilets.

*Communications Problems:* Verizon, weak cell phone signal. All other providers, no cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - A - S002 SZ - A - S003*NOAA Chart:* 18680*Map Book:* 929*Decimal Degrees:* 37.07798 -122.2677**Site Description:**

Offshore rock providing roosting site for seabirds and haulout for pinnipeds. Greyhound Rock may be accessible from the beach at low tide. Greyhound Rock County Park is managed by the County of Santa Cruz. Site is within the Greyhound Rock State Marine Conservation Area, Bureau of Land Management California Coastal National Monument, Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, Brandt's cormorant, pelagic cormorant, pigeon guillemot, and Western gull. Sensitive plant species is found within the bluff vegetation at the county park.

**Resources at Risk:***ESI and Habitat:* 1A Exposed Rocky Shore

2A Exposed wave-cut platforms in bedrock, mud, or clay

3A Fine- to medium-grained sand beaches

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	seabird colony		Year-round	Apr-Aug
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	Choris' popcorn flower	SR	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Santa Cruz County Parks	(831) 454-7901
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(805) 644-1766

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**Additional Site Summary Comments:**

**Concerns and Advice to Responders:**

Sensitive plant species is found within the bluff vegetation at the county park. Stay on paved parking lot and established trails.

**Hazard and Restrictions:**

Beach access is a steep footpath.

**Site Strategies:**

**Site Validation Level: II**

**Strategy: 3-115.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Onsite protection is not feasible due to coastline type.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

**Logistics:**

*Directions:* From Santa Cruz, take Highway 1 north, 6.3 miles north of Davenport. Paved parking lot off Highway 1 southbound lane (1551 Cabrillo Hwy, Davenport, CA 95017), Postmile: Route 1 SCR 34.9; 130 parking spaces.

*Land Access:* Beach access is a steep footpath.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (16 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* Paved parking lot may be suitable for small staging area. Vault toilets.

*Communications Problems:* Verizon and T-Mobile, weak cell phone signal. AT&T, no cell phone signal.



**County:** Santa Cruz **ACP Division/Segment:** SZ - A - S003**NOAA Chart:** 18680**Map Book:** 929**Decimal Degrees:** 37.07325 -122.26418**Site Description:**

Offshore rock providing roosting site for seabirds and haulout for pinnipeds. Pelican Rock lies offshore to the south of Greyhound Rock and is only accessible by vessel. Parking area serves as an observation point. Site is within the Greyhound Rock State Marine Conservation Area, Bureau of Land Management California Coastal National Monument, and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, pigeon guillemot, and Western gull.

**Resources at Risk:***ESI and Habitat:* 2A Exposed wave-cut platforms in bedrock, mud, or clay**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	seabird colony		Year-round	Apr-Aug
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:****Concerns and Advice to Responders:****Hazard and Restrictions:****Site Strategies:****Site Validation Level: II****Strategy: 3-120.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* Onsite protection is not feasible due to coastline type.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update****Logistics:***Directions:* From Santa Cruz, take Highway 1 north, 6.1 miles north of Davenport. Parking area on shoulder of Highway 1 southbound lane (37.075629°, -122.261978°), Postmile: Route 1 SCR 34.6; 30 parking spaces.*Land Access:* No site access from land. Parking area is an observation point.*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (16 nautical miles).*Facilities, Staging Areas, Command Posts, Available Equipment:* None.*Communications Problems:* Verizon and T-Mobile, weak cell phone signal. AT&T, no cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - A - S005*NOAA Chart:* 18680*Map Book:* 949*Decimal Degrees:* 37.03898 -122.2287**Site Description:**

Scott Creek: Flows year-round, lagoon forms during summer months, a well-developed brackish marsh is located upstream of Highway 1. Molino Creek: Small ephemeral creek at south edge of Scott Creek Beach that is protected by a natural sand berm in low flow seasons. Scott Creek Beach is managed by the County of Santa Cruz. The bluffs to the south of the beach are within Wilder Ranch State Park. Site upcoast boundary (37.042069°, -122.231991°), downcoast boundary (37.036592°, -122.228239°); length 0.45 miles. Site is within the Monterey Bay National Marine Sanctuary. Coho salmon and tidewater goby present in Scott Creek only. All other freshwater aquatic species found in both creeks. Nesting seabirds in the surrounding area include black oystercatchers, pelagic cormorant, pigeon guillemot, and Western gull.

**Resources at Risk:**

*ESI and Habitat:* 3A Fine- to medium-grained sand beaches  
6B Riprap  
10A Salt - and brackish-water marshes

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Sep
Fish	coho salmon - south of Punta Gorda	FE, SE	Year-round	Nov-Feb
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	tidewater goby	FE, SSC	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	Year-round	
Reptiles	San Francisco garter snake	FE, SE	Year-round	Jun-Sep
Reptiles	Western pond turtle	SSC	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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Santa Cruz County Parks	(831) 454-7901
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Monterey Bay Salmon and Trout Project seawater intake near site; see Economic Site section. Surfing and windsurfing area.

**Concerns and Advice to Responders:**

Surfing and windsurfing area. Western snowy plovers nest on beach Mar-Sep.

**Hazard and Restrictions:****Site Strategies:****Site Validation Level: II****Strategy: 3-130.1 Objective:** Build Berm

*Strategy:* Exclude oil from Scott Creek and Molino Creek by building sediment berms with native sand using heavy equipment. May need to install PVC pipe below berm to allow for water outflow. Place sorbent boom 30 feet upstream of berm.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer or Loader				1		
PVC Pipe		6 inch		300	feet	
Boom	Sorbent			500	feet	
Stakes				2		
Staff				10		

**Strategy: 3-130.2 Objective:** Deploy Containment Boom

*Strategy:* Exclude oil from Scott Creek with two rows of swamp boom on seaward side of Highway 1 bridge. Line with sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp			500	feet	
Boom	Sorbent			500	feet	
Stakes				4		
Staff				3		

**Logistics:**

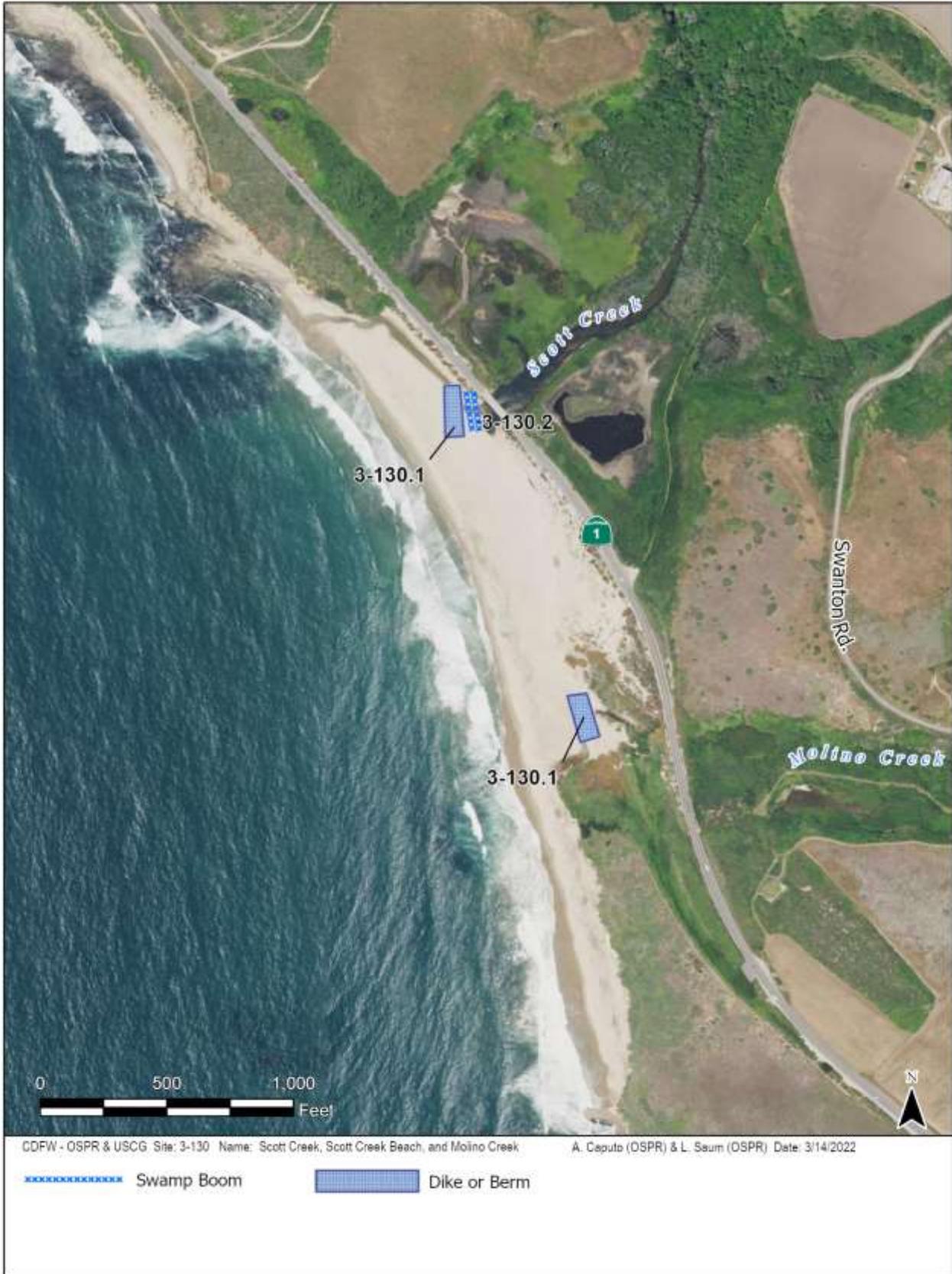
*Directions:* From Santa Cruz, take Highway 1 north, 2.4 miles north of Davenport. Parking area on shoulder of Highway 1 southbound lane (37.039618°, -122.228042°), Postmile: Route 1 SCR 31.5; 35 parking spaces. Additional parking north of river bridge along shoulders of northbound and southbound lanes but with minimal buffer from highway; 27 parking spaces in total.

*Land Access:* Heavy equipment access from parking area through gate located south of Scott Creek. Due to significant dune erosion beneath the beach access gate, native sand or another type of ramp will be needed for heavy equipment and vehicle access to the beach.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (14 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* None.

*Communications Problems:* Verizon and AT&T, weak cell phone signal. T-Mobile, no cell phone signal.



**County:** Santa Cruz **ACP Division/Segment:** SZ - A - S009**NOAA Chart:** 18680**Map Book:** 970**Decimal Degrees:** 37.00954 -122.19389**Site Description:**

San Vicente Creek is located on the north end of a small sand beach and passes under Highway 1 through a bedrock tunnel. Upstream of Highway 1 San Vicente Creek is freshwater marsh habitat. An unnamed ephemeral creek is located on the south end of the beach but is not known to support sensitive species. Limited site access via narrow footpath. San Vicente Beach is also known locally as Davenport Beach. Property between Highway 1 and the mean high tide line is owned by the Santa Cruz County Regional Transportation Commission. Site is within the Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot.

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

1B Exposed solid man-made structures

10B Freshwater marshes

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Fish	coho salmon - south of Punta Gorda	FE, SE	Year-round	Nov-Feb
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

The creek mouth may be inaccessible at high tides which can reach the backshore cliffs of the pocket beach.

**Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Beach access is a footpath. The creek mouth may be inaccessible at high tides which can reach the backshore cliffs of the pocket beach.

**Site Strategies:**

**Site Validation Level: II**

**Strategy: 3-145.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Site access is a footpath. High tides can reach the backshore cliffs of the beach. During low outflow a natural sand berm forms along the creek channel which may provide adequate protection without additional action. During high outflow the creek may be naturally protected from tidal influence. Do not pursue land-based response when access is unsafe, access is restricted by tides, or when creek outflow/natural berm provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated: 3/18/2022*

*Last Test:*

**Strategy: 3-145.2 Objective:** Exclude Oil

*Strategy:* When the beach is accessible and the creek is susceptible to tidal influence, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by creek outflow conditions and site access conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		1	roll	<i>Strategy Updated: 3/18/2022</i>
Oil Snare (pom-pom)				60		<i>Last Test:</i>
T-post		6 feet		4		
Stake driver				1		
Staff				4		
Boom	Swamp			50	feet	
Boom	Sorbent			50	feet	
Stakes				4		

**Logistics:**

*Directions:* From Santa Cruz, take Highway 1 north. Parking area on shoulder of Highway 1 southbound lane across from Marine View Ave. in Davenport (9812 CA-1, Davenport, CA 95017), Postmile: Route 1 SCR 28.8; 13 parking spaces.

*Land Access:* Beach access is a footpath. From parking area take footpath to train tracks (not currently active), follow train tracks south for 0.16 miles, and follow wide, dirt footpath down bluff to north end of beach.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (11 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* None.

*Communications Problems:* Verizon, strong cell phone signal. All other providers, weak cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - A - S013*NOAA Chart:* 18680*Map Book:* 970*Decimal Degrees:* 37.00053 -122.18189**Site Description:**

Sand pocket beach located directly across from Bonny Doon Road along Highway 1. Liddell Creek passes under Highway 1 through a bedrock tunnel and typically follows the base of the cliffs to the southern end of the beach, but the creek path varies. The creek forms a freshwater marsh on the upstream side of the highway. Bonny Doon Beach is within Coast Dairies State Park which is managed under Wilder Ranch State Park. Property inland of Highway 1 is managed by the Bureau of Land Management. The coastal access and parking area is managed by the County of Santa Cruz. Site upcoast boundary (37.001346°, -122.183015°), downcoast boundary (36.999344°, -122.181877°); length 0.18 miles. Site is within the Bureau of Land Management California Coastal National Monument and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot.

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

10A Salt - and brackish-water marshes

10B Freshwater marshes

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Santa Cruz County Parks	(831) 454-7901
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Moderate recreational use. The creek mouth may be inaccessible at high tides which can reach the backshore cliffs of the pocket beach.

**Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Beach access is a footpath. The creek mouth may be inaccessible at high tides which can reach the backshore cliffs of the pocket beach.

**Site Strategies:**

**Site Validation Level: II**

**Strategy: 3-150.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Site access is a footpath. High tides can reach the backshore cliffs of the beach. During low outflow a natural sand berm forms along the creek channel which may provide adequate protection without additional action. During high outflow the creek may be naturally protected from tidal influence. Do not pursue land-based response when access is unsafe, access is restricted by tides, or when creek outflow/natural berm provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated: 3/18/2022*

*Last Test:*

**Strategy: 3-150.2 Objective:** Exclude Oil

*Strategy:* When the beach is accessible and the creek is susceptible to tidal influence, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by creek outflow conditions and site access conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		1	roll	<i>Strategy Updated: 3/18/2022</i>
Oil Snare (pom-pom)				120		<i>Last Test:</i>
T-post		6 feet		8		
Stake driver				1		
Staff				4		
Boom	Swamp			100	feet	
Boom	Sorbent			100	feet	
Stakes				4		

**Logistics:**

*Directions:* Site is roughly 7.7 miles north of western Santa Cruz on Highway 1. Parking area on shoulder of Highway 1 southbound lane (37.000240°, -122.179790°), Postmile: Route 1 SCR 27.6; 45 parking spaces.

*Land Access:* Beach access is a footpath. From parking area take footpath up to the bluff, follow train tracks (not currently active) south to the wide, sand slope on the south end of the beach.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (10 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* None.

*Communications Problems:* Verizon, strong cell phone signal. AT&T, weak cell phone signal. T-Mobile, no cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - A - S015*NOAA Chart:* 18680*Map Book:* 970*Decimal Degrees:* 36.99298 -122.17047**Site Description:**

Panther Beach is a small sand pocket beach that was historically named Yellow Bank Beach. The natural arch at the south end of Panther Beach leads to Hole in the Wall Beach which is only accessible at medium to low tides. Liddell Creek passes under Highway 1 through a bedrock tunnel. The creek forms a freshwater pond on the upstream side of the highway. Panther Beach is within Coast Dairies State Park which is managed under Wilder Ranch State Park. Property inland of Highway 1 is managed by the Bureau of Land Management. Site upcoast boundary (36.993474°, -122.171561°), downcoast boundary (36.992452°, -122.170289°); length 0.11 miles. Site is within the Bureau of Land Management California Coastal National Monument and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot.

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

2A Exposed wave-cut platforms in bedrock, mud, or clay

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Moderate recreational use.

**Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Beach access is a steep footpath down a narrow gully. Vehicle access to bluff above the beach via gated farm road.

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

**Strategy: 3-155.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Site access is a steep footpath down a narrow gully. High tides often break against the backshore cliffs at the creek mouth. During high outflow the creek may be naturally protected from tidal influence. Do not pursue land-based response when access is unsafe, access is restricted by tides, or when creek outflow provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated:* 3/18/2022

*Last Test:*

**Strategy: 3-155.2 Objective:** Exclude Oil

*Strategy:* When site access is safe and creek outflow is low, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by creek outflow conditions and site access conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		1	roll	<i>Strategy Updated:</i> 3/18/2022
Oil Snare (pom-pom)				90		<i>Last Test:</i>
T-post		6 feet		6		
Stake driver				1		
Staff				4		
Boom	Swamp			100	feet	
Boom	Sorbent			100	feet	
Stakes				4		

**Logistics:**

*Directions:* Site is roughly 6.5 miles north of western Santa Cruz on Highway 1. Footpath access to beach: Parking area on hill above shoulder of Highway 1 southbound lane (36.991303°, -122.164807°), Postmile: Route 1 SCR 26.6; 70 parking spaces. Vehicle access to bluffs above beach: Gated dirt road off Highway 1 southbound lane 0.5 mi north of footpath parking area (36.995700°, -122.172909°), Postmile: Route 1 SCR 27.1.

*Land Access:* Beach access is a steep footpath that begins at the north end of the parking area. Vehicle access to bluffs above beach to transport supplies. No vehicle access to beach.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (9 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* Parking area is on a hill above Highway 1, may be suitable for small staging area.

*Communications Problems:* Verizon, strong cell phone signal. AT&T and T-Mobile, weak cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - A - S017*NOAA Chart:* 18680*Map Book:* 970*Decimal Degrees:* 36.98298 -122.15556**Site Description:**

This site includes Laguna Creek, Laguna Creek Beach, and a brackish marsh and lagoon that is located seaward of Highway 1. When Laguna Creek outflow slows during summer months a natural berm six to eight feet high protects the creek inlet. The creek typically meets the ocean at south end of beach. Laguna Creek Beach is within Coast Dairies State Park which is managed under Wilder Ranch State Park. Property inland of Highway 1 is managed by the Bureau of Land Management. Site upcoast boundary (36.984334°, -122.158147°), downcoast boundary (36.981841°, -122.155031°); length 0.24 miles. Site is within the Bureau of Land Management California Coastal National Monument and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot. Non-breeding Western snowy plovers may be present. Sensitive plant species located on bluff south of beach (Sand Hill Bluff).

**Resources at Risk:**

*ESI and Habitat:* 3A Fine- to medium-grained sand beaches  
10A Salt - and brackish-water marshes

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Birds	Western snowy plover	FT, SSC	Year-round	
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	tidewater goby	FE, SSC	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	Blasdale's bent grass	SR	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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

**Concerns and Advice to Responders:**

Railroad tracks are not active. Sensitive plant species located on bluff south of beach (Sand Hill Bluff).

**Hazard and Restrictions:**

Vehicle access to beach is a narrow, very steep, single-lane dirt road that will be impassible when wet. The steepest part of the road has a 100-foot section of exposed rock that requires maneuvering; passable with full size 4WD pickup truck. Maximum blade/track width 8 feet for heavy equipment. Vehicle break-ins at footpath parking area occur frequently.

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

**Strategy: 3-160.1 Objective:** Build Berm

*Strategy:* Exclude oil from creek and lagoon by building a sediment berm with native sand using heavy equipment. May need to install PVC pipe below berm to allow for water outflow. Place sorbent boom 30 feet upstream of berm.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer or Loader	Max blade/track width	8 feet		1		
PVC Pipe		6 inch		600	feet	
Boom	Sorbent			300	feet	
Stakes				2		
Staff				12		

**Logistics:**

*Directions:* Site is roughly 6 miles north of western Santa Cruz on Highway 1. Footpath access to beach: Parking area on shoulder of Highway 1 northbound lane, next to Laguna Rd. (36.987295°, -122.155420°), Postmile: Route 1 SCR 26; 20 parking spaces, vehicle break-ins occur frequently. Vehicle access to beach: Unnamed paved road 0.4 mi north of Laguna Rd. on southbound side of Highway 1, cross train tracks, follow train tracks south, take first right (36.990045°, -122.162290°), Postmile: Route 1 SCR 26.4.

*Land Access:* Heavy equipment access to the beach via a steep dirt road. The steepest part of the road has a 100-foot section of exposed rock that requires maneuvering; passable with full size 4WD pickup truck. Maximum blade/track width 8 feet for heavy equipment.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (8 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* None.

*Communications Problems:* All providers, weak cell phone signal.



*County:* Santa Cruz*ACP Division/Segment:* SZ - B - S004*NOAA Chart:* 18680*Map Book:* 970, 971*Decimal Degrees:* 36.97663 -122.14184**Site Description:**

This site includes Majors Creek, Red, White and Blue Beach, and a brackish marsh located seaward of Highway 1. During low creek outflow a natural sand berm protects the creek inlet and marsh. Majors Creek enters the midpoint of the beach, and the mouth moves variably between the north and south ends of the beach. Red, White and Blue Beach and the beach access from Highway 1 are private property. The area was previously a private campground. Site upcoast boundary (36.977012°, -122.142784°), downcoast boundary (36.975927°, -122.141063°); length 0.12 miles. Site is within the Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot.

**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	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Site access through private property.

**Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Access to beach and creek through private property which requires permission. Vehicle access through private property ends 0.25 miles away from the beach, then footpath only. Scaroni Road crosses Majors Creek as a narrow, single-lane bridge. No access for heavy equipment. Limited to no vehicle parking.

**Site Strategies:****Site Validation Level: I**

**Strategy: 3-165.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART  
**Strategy:** Site access is a footpath through private property. Determine if access is permitted. During low outflow a natural sand berm forms at the creek mouth which may provide adequate protection without additional action. During high outflow the creek may be naturally protected from tidal influence. Do not pursue land-based response when access is restricted or when creek outflow/natural berm provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated: 3/18/2022*

*Last Test:*

**Strategy: 3-165.2 Objective:** Exclude Oil

**Strategy:** When site access is permitted and creek mouth is susceptible to tidal influence, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by creek outflow conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		1	roll	<i>Strategy Updated: 3/18/2022</i>
Oil Snare (pom-pom)				105		<i>Last Test:</i>
T-post		6 feet		7		
Stake driver				1		
Staff				4		
Boom	Swamp			100	feet	
Boom	Sorbent			100	feet	
Stakes				4		

**Logistics:**

**Directions:** Site access is off Scaroni Rd. roughly 4.9 miles north of western Santa Cruz on Highway 1 (302 Scaroni Road, Santa Cruz, CA), Postmile: Route 1 SCR 24.7. Scaroni Road is a short, paved road with a north and south entrance to Highway 1.

**Land Access:** Vehicle access through private property ends 0.25 mi away from the beach, then footpath only. No access for heavy equipment.

**On-Water Limitations:** Nearest vessel launch site is Santa Cruz Harbor (8 nautical miles).

**Facilities, Staging Areas, Command Posts, Available Equipment:** Limited to no vehicle parking.

**Communications Problems:** All providers, weak cell phone signal.



**3-170-A Site Summary - Baldwin Creek and 4 Mile Beach****3-170-A****County:** Santa Cruz **ACP Division/Segment:** SZ - B - S007**NOAA Chart:** 18680**Map Book:** 971,991**Decimal Degrees:** 36.96635 -122.12298**Site Description:**

This site includes Baldwin Creek, 4 Mile Beach, and a brackish marsh located seaward of Highway 1. When creek outflow slows during summer months a natural berm protects the creek inlet and marsh. 4 Mile Beach is within Wilder Ranch State Park. Site upcoast boundary (36.966366°, -122.124204°), downcoast boundary (36.964929°, -122.120506°); length 0.24 miles. Site is within the Natural Bridges State Marine Reserve and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, and pigeon guillemot. Non-breeding Western snowy plovers may be present

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

10A Salt - and brackish-water marshes

10B Freshwater marshes

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	marbled murrelet	FT, SE	Year-round	Apr-Sep
Birds	seabird colony		Year-round	Apr-Aug
Birds	Western snowy plover	FT, SSC	Year-round	
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	tidewater goby	FE, SSC	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Surfing area.

**Concerns and Advice to Responders:**

Railroad tracks are not active. Surfing area.

**Hazard and Restrictions:**

Vehicle access to the beach via gated farm road.

**Site Strategies:**

**Site Validation Level: II**

**Strategy: 3-170.1 Objective:** Build Berm

*Strategy:* Exclude oil from creek and marsh by building a sediment berm with native sand using heavy equipment. May need to install PVC pipe below berm to allow for water outflow. Place sorbent boom 30 feet upstream of berm. Sediment may be scarce during winter months.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer or Loader				1		
PVC Pipe		6 inch		600	feet	
Boom	Sorbent			150	feet	
Stakes				2		
Staff				12		
ATV				1		

**Logistics:**

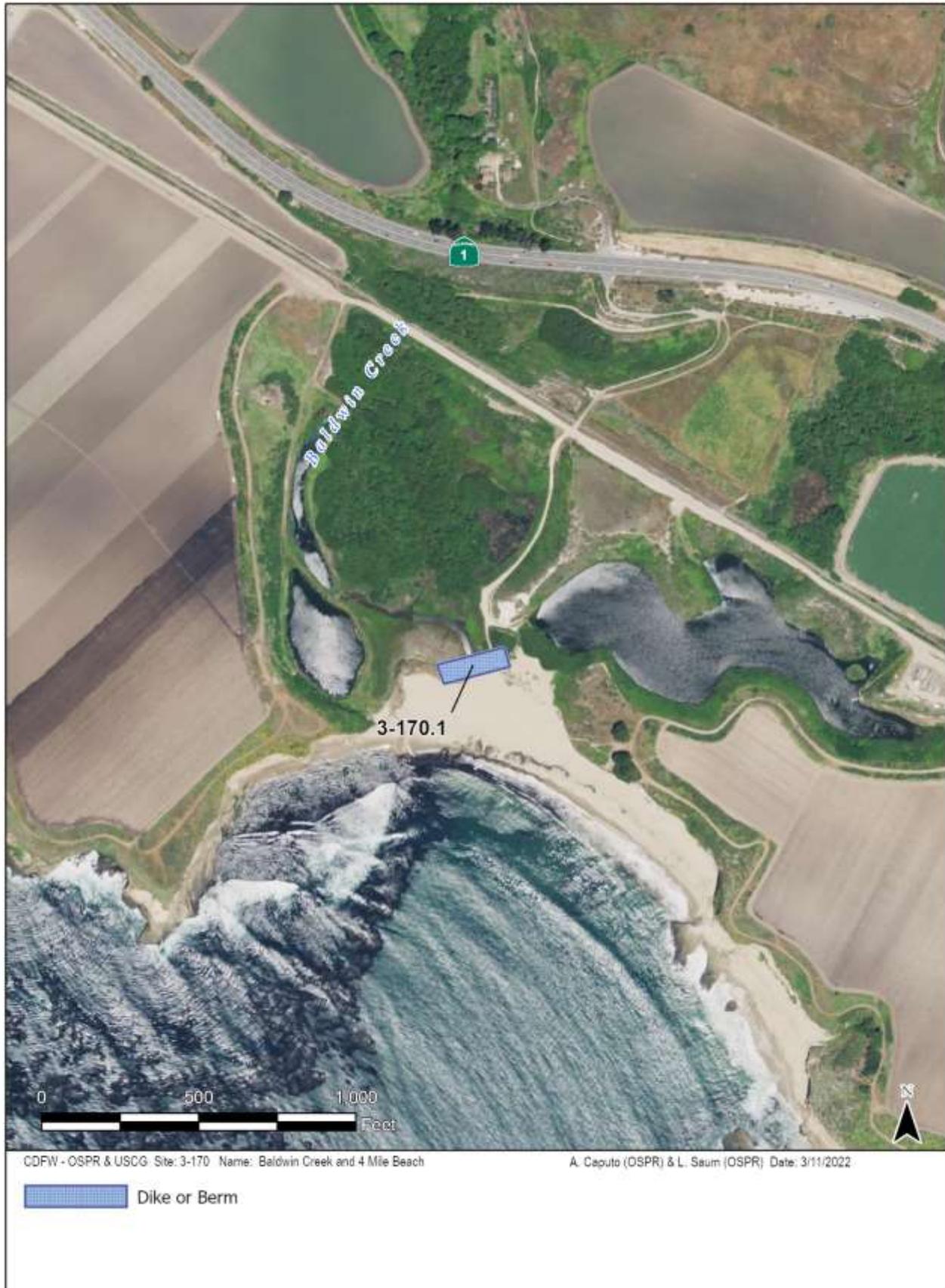
*Directions:* Site is roughly 3.7 miles north of western Santa Cruz on Highway 1. Footpath access to beach: Parking area on shoulder of Highway 1 southbound lane (36.970111°, -122.119292°), Postmile: Route 1 SCR 23.6; 32 parking spaces. Vehicle access to beach: Gated farm road off Highway 1 southbound lane 0.2 mi south of footpath parking area, first right after farmhouse, right at next intersection, follow train tracks north, first left down a dirt and gravel road to the beach (36.969233°, -122.116748°), Postmile: Route 1 SCR 23.4. Additional parking area on shoulder of road parallel to railroad tracks near beach path entrance; 10 parking spaces.

*Land Access:* Heavy equipment access to the beach via gated farm road.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (6 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* None.

*Communications Problems:* All providers, weak cell phone signal.



**County:** Santa Cruz **ACP Division/Segment:** SZ - B - S016**NOAA Chart:** 18685**Map Book:** 991**Decimal Degrees:** 36.95315 -122.07798**Site Description:**

Wilder Creek and Wilder Beach are within the Wilder Beach Natural Preserve which is closed to the public and is part of the larger Wilder Ranch State Park. Wilder Creek feeds freshwater and brackish marsh habitat. The location of the creek mouth varies. Site upcoast boundary (36.953205°, -122.080453°), downcoast boundary (36.952805°, -122.076443°); length 0.22 miles. Site is within the Natural Bridges State Marine Reserve and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, pigeon guillemot, and Western gull. Brown pelican roosting site. An endangered plant species is found in the freshwater marsh habitat within Wilder Creek seaward of Highway 1.

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

10A Salt - and brackish-water marshes

10B Freshwater marshes

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Sep
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	tidewater goby	FE, SSC	Year-round	
Insects	Ohlone tiger beetle	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Pacific harbor seal	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	marsh sandwort	FE, SE	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	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

**Concerns and Advice to Responders:**

Railroad tracks are not active. Western snowy plovers nest on beach Mar-Sep. Sensitive plant species in creek area.

**Hazard and Restrictions:**

Vehicle access to creek via gated farm road. No vehicle access on beach.

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

**Strategy: 3-175.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Site access is a footpath down a moderately-sloped grass hill. During low outflow a natural sand berm forms at the creek mouth which may provide adequate protection without additional action. During high outflow the creek may be naturally protected from tidal influence. Do not pursue land-based response when creek outflow/natural berm provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated:* 3/18/2022

*Last Test:*

**Strategy: 3-175.2 Objective:** Exclude Oil

*Strategy:* When creek mouth is susceptible to tidal influence, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by creek outflow conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		2	roll	<i>Strategy Updated:</i> 3/18/2022
Oil Snare (pom-pom)				180		<i>Last Test:</i>
T-post		6 feet		12		
Stake driver				1		
Staff				6		
Boom	Swamp			150	feet	
Boom	Sorbent			150	feet	
Stakes				4		

**Logistics:**

*Directions:* Site is roughly 2 miles north of western Santa Cruz on Highway 1. Wilder Ranch State Park Day Use Parking Area (1842 Coast Rd, Santa Cruz, CA 95060), Postmile: Route 1 SCR 21.2; 74 parking spaces. Vehicle access to creek: Gated farm road off Highway 1 southbound lane 1 mi south of Coast Rd. intersection (751 Cabrillo Hwy, Santa Cruz, CA 95060), Postmile: Route 1 SCR 21.

*Land Access:* Vehicle access via a farm road ends 600 feet away from the beach, then footpath only. No vehicle access on the beach. A hiking trail from the parking area leads to a beach overlook on top of the upcoast bluff but does not provide access to the beach.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (4 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* State Park grounds may be suitable for a small staging area. Restrooms at main parking lot.

*Communications Problems:* None.



*County:* Santa Cruz*ACP Division/Segment:* SZ - B - S017*NOAA Chart:* 18685*Map Book:* 991*Decimal Degrees:* 36.94955 -122.07242**Site Description:**

Unnamed offshore rock provides roosting site for Brandt's cormorants and haulout for pinnipeds. Located 0.21 miles south of Wilder Beach and 0.37 miles north of Terrace Point. There is no land access to this site. The directions lead to an overlook from the bluff. Site is within the Natural Bridges State Marine Reserve, Bureau of Land Management California Coastal National Monument, and Monterey Bay National Marine Sanctuary.

**Resources at Risk:***ESI and Habitat:* 2A Exposed wave-cut platforms in bedrock, mud, or clay**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	seabird colony		Year-round	Apr-Aug
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	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

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C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:****Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Vehicle access to bluff overlook via gated farm road.

**Site Strategies:****Site Validation Level: II****Strategy: 3-180.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* On-site protection is not feasible due to coastline type.

A) Recommended response strategy is on-water containment and recovery.

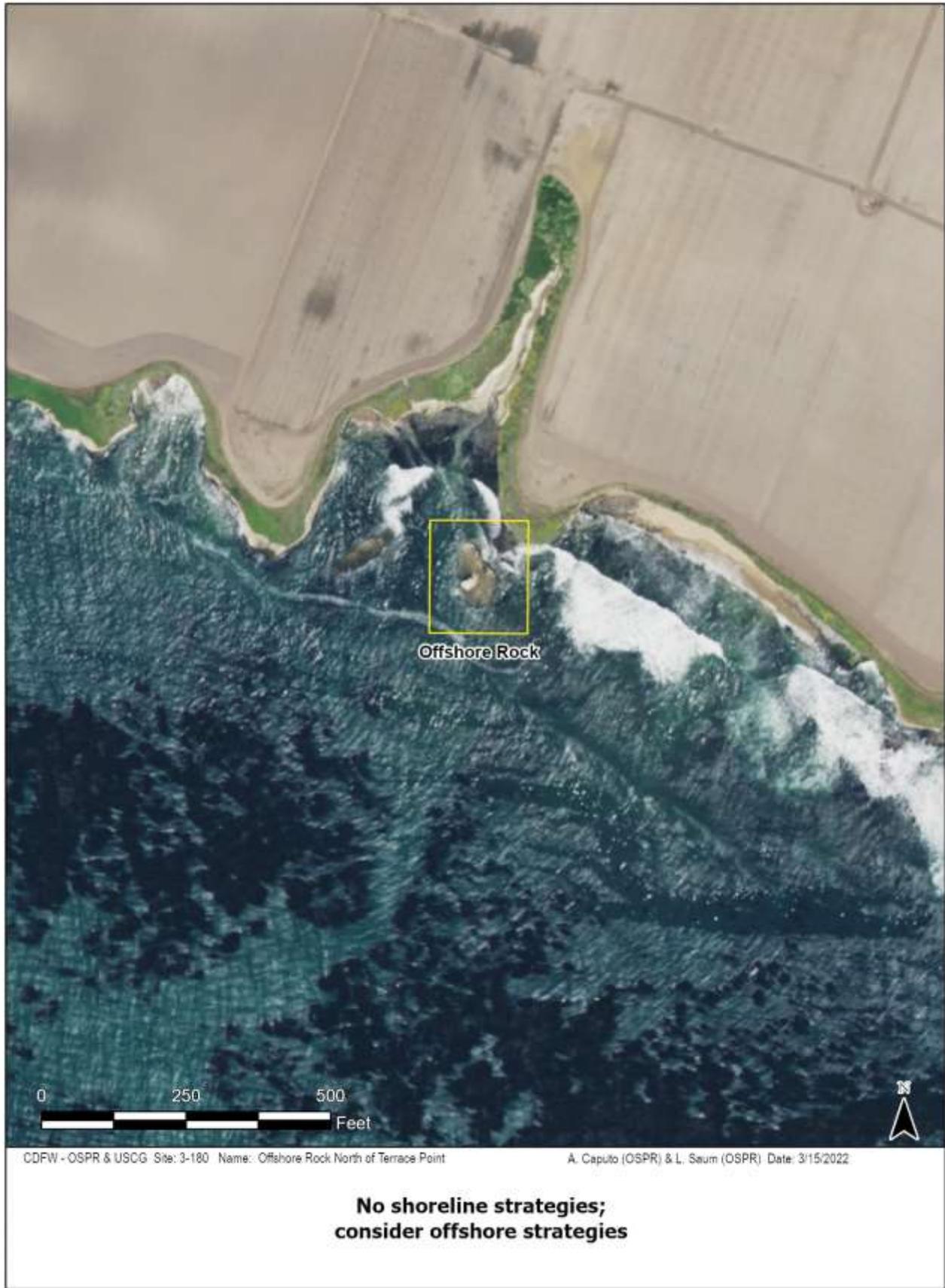
B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update****Logistics:**

*Directions:* Site is roughly 0.8 miles north of western Santa Cruz on Highway 1. Vehicle access to bluff overlook: Gated farm road off Highway 1 southbound lane 1 mi south of Coast Rd. intersection (751 Cabrillo Hwy, Santa Cruz, CA 95060), Postmile: Route 1 SCR 21. This is the same entrance to the Wilder Creek access but continues further south via farm roads to the bluff overlook (36.950357°, -122.073891°).

*Land Access:* No site access from land. Directions lead to an observation point on the bluff.*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (4 nautical miles).*Facilities, Staging Areas, Command Posts, Available Equipment:* Limited parking along farm road at overlook.*Communications Problems:* None.



**3-185-A Site Summary - Younger Lagoon****3-185-A****County:** Santa Cruz **ACP Division/Segment:** SZ - B - S018**NOAA Chart:** 18685**Map Book:** 991**Decimal Degrees:** 36.94918 -122.06718**Site Description:**

Younger Lagoon consists of a brackish water pool and surrounding marsh habitat that is densely populated by various waterbirds and shorebirds. A natural sand berm protects the lagoon most of the year but is known to breach during sufficient rainfall events in the winter months. The Younger Lagoon Reserve is managed by the University of California Santa Cruz. Site is within the Natural Bridges State Marine Reserve and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, Brandt's cormorant, pigeon guillemot, and Western gull.

**Resources at Risk:**

**ESI and Habitat:** 10A Salt - and brackish-water marshes  
3A Fine- to medium-grained sand beaches

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Birds	seabird colony		Year-round	Apr-Aug
Fish	tidewater goby	FE, SSC	Year-round	
Insects	Ohlone tiger beetle	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Joseph M. Long Marine Lab. Of UC Santa Cruz	(831) 459-2928
E	/Office	Younger Lagoon Reserve of UC Santa Cruz	(831) 459-2455
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

The Joseph M. Long Marine Laboratory operates a seawater intake that serves all facilities on McAllister Way; see Economic Site section. Moderate recreational use during summer and fall.

**Concerns and Advice to Responders:**

Railroad tracks are not active.

**Hazard and Restrictions:**

Lagoon and beach access via gated footpath.

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

**Strategy: 3-185.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

*Strategy:* Site access is a steep, narrow footpath. During low outflow a natural sand berm forms at the lagoon mouth which may provide adequate protection without additional action. During high outflow the lagoon may be naturally protected from tidal influence. Do not pursue land-based response when access is unsafe or when lagoon outflow/natural berm provides sufficient natural protection. Offshore response only.

A) Recommended response strategy is on-water containment and recovery.

B) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site.

Table of Response Resources

**Last Page Update**

*Strategy Updated:* 3/18/2022

*Last Test:*

**Strategy: 3-185.2 Objective:** Exclude Oil

*Strategy:* When lagoon is susceptible to tidal influence, exclude oil with either filter fence or swamp boom. Selection of filter fence vs swamp boom will be determined by lagoon outflow conditions. Line swamp boom with sorbent boom. All equipment must be hand-carried via footpath.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Construction Fence		4 x 100 feet		2	Rolls	<i>Strategy Updated:</i> 3/18/2022
Oil Snare (pom-pom)				180		<i>Last Test:</i>
T-post		6 feet		12		
Stake driver				1		
Staff				6		
Boom	Swamp			150	feet	
Boom	Sorbent			150	feet	
Stakes				4		

**Logistics:**

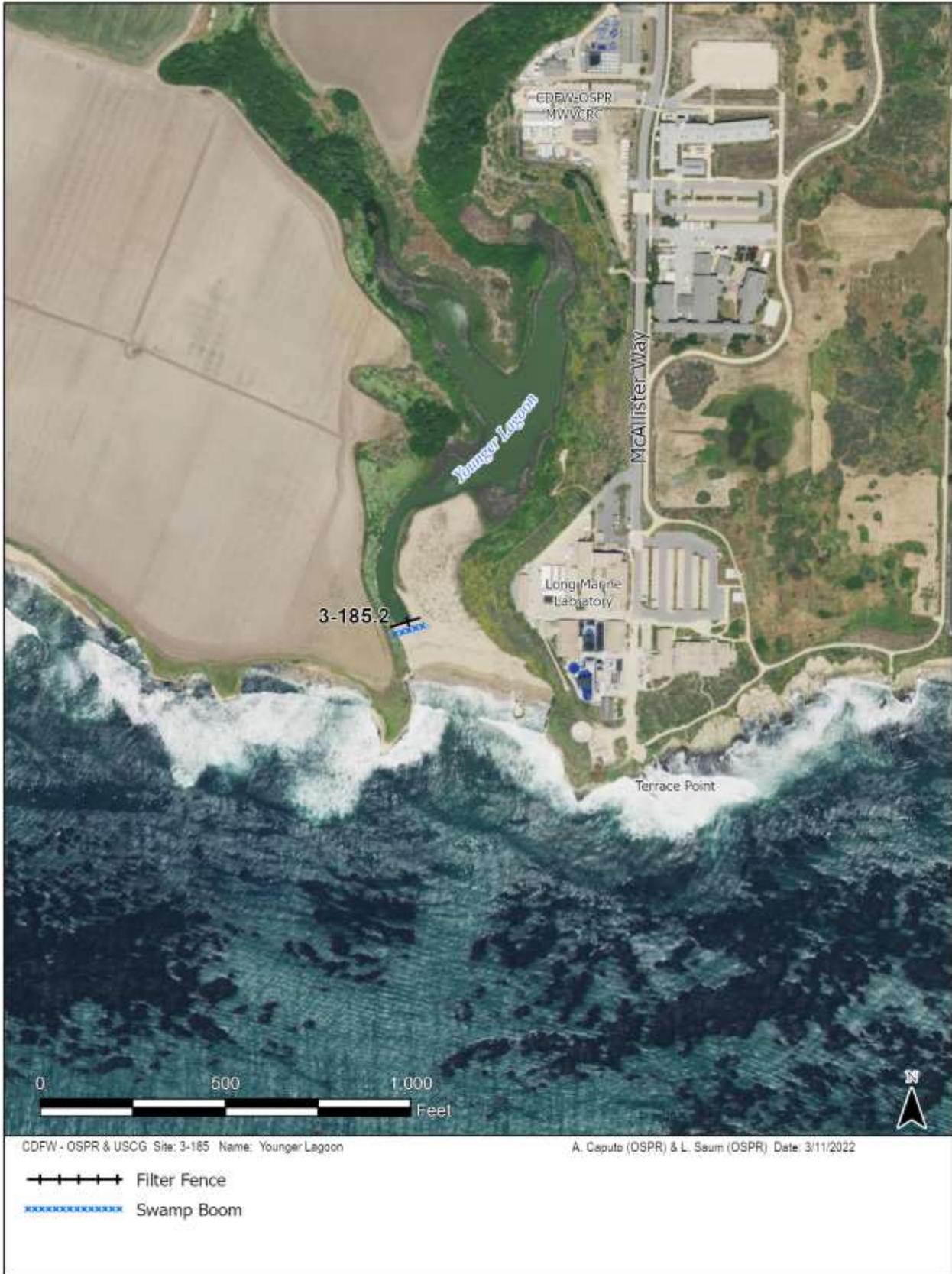
*Directions:* Joseph M. Long Marine Laboratory property (115 McAllister Way, Santa Cruz, CA 95060); over 200 parking spaces among all facilities on McAllester Way.

*Land Access:* Lagoon and beach access via gated footpath that originates from the Long Marine Lab property. Contact Younger Lagoon Reserve for current gate access code.

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (3 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* Unpaved parking lot across from the CDFW facility may be suitable for a small staging area; 95 parking spaces. Small conference room at the CDFW-OSPR Marine Wildlife Veterinary Care and Research Center. No public restrooms.

*Communications Problems:* None.



*County:* Santa Cruz *ACP Division/Segment:* SZ - C - S002*NOAA Chart:* 18685*Map Book:* 991, 992*Decimal Degrees:* 36.95022 -122.05767**Site Description:**

Moore Creek feeds freshwater and brackish marsh habitat within the Moore Creek Wetland Nature Preserve which is on the west side of Natural Bridges State Beach. A natural sand berm protects the creek most of the year. Offshore rocks on the southeast end of the beach are a seabird roosting area. Site upcoast boundary (36.950209°, -122.058438°), downcoast boundary (36.949564°, -122.056854°); length 0.1 mile. Site is within the Natural Bridges State Marine Reserve, Bureau of Land Management California Coastal National Monument, and Monterey Bay National Marine Sanctuary. Nesting seabirds in the surrounding area include black oystercatcher, Brandt's cormorant, pigeon guillemot, and Western gull. Brown pelican roosting site. Wave-cut platforms support rich tide pools upcoast of the site area.

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

10A Salt - and brackish-water marshes

10B Freshwater marshes

1A Exposed Rocky Shore

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	seabird colony		Year-round	Apr-Aug
Fish	tidewater goby	FE, SSC	Year-round	
Insects	Ohlone tiger beetle	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Southern sea otter	FT, SP	Year-round	
Reptiles	Western pond turtle	SSC	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
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
T	/Emergency Responder, 24-hr	Monterey Bay National Marine Sanctuary	(831) 236-6797
T	/Agency Representative	NOAA National Marine Fisheries Service	(707) 575-6050
T	/Spill Response Coordinator	US Fish and Wildlife Service	(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:**

Heavy recreational use.

**Concerns and Advice to Responders:**

Heavy recreational use.

**Hazard and Restrictions:****Site Strategies:**

**Site Validation Level: II**

**Strategy: 3-190.1 Objective:** Build Berm

*Strategy:* Exclude oil from creek and marsh by building a sediment berm with native sand using heavy equipment. May need to install PVC pipe below berm to allow for water outflow. Place sorbent boom 30 feet upstream of berm.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer or Loader				1		
PVC Pipe		6 inch		400	feet	
Boom	Sorbent			300	feet	
Stakes				2		
Staff				10		

**Logistics:**

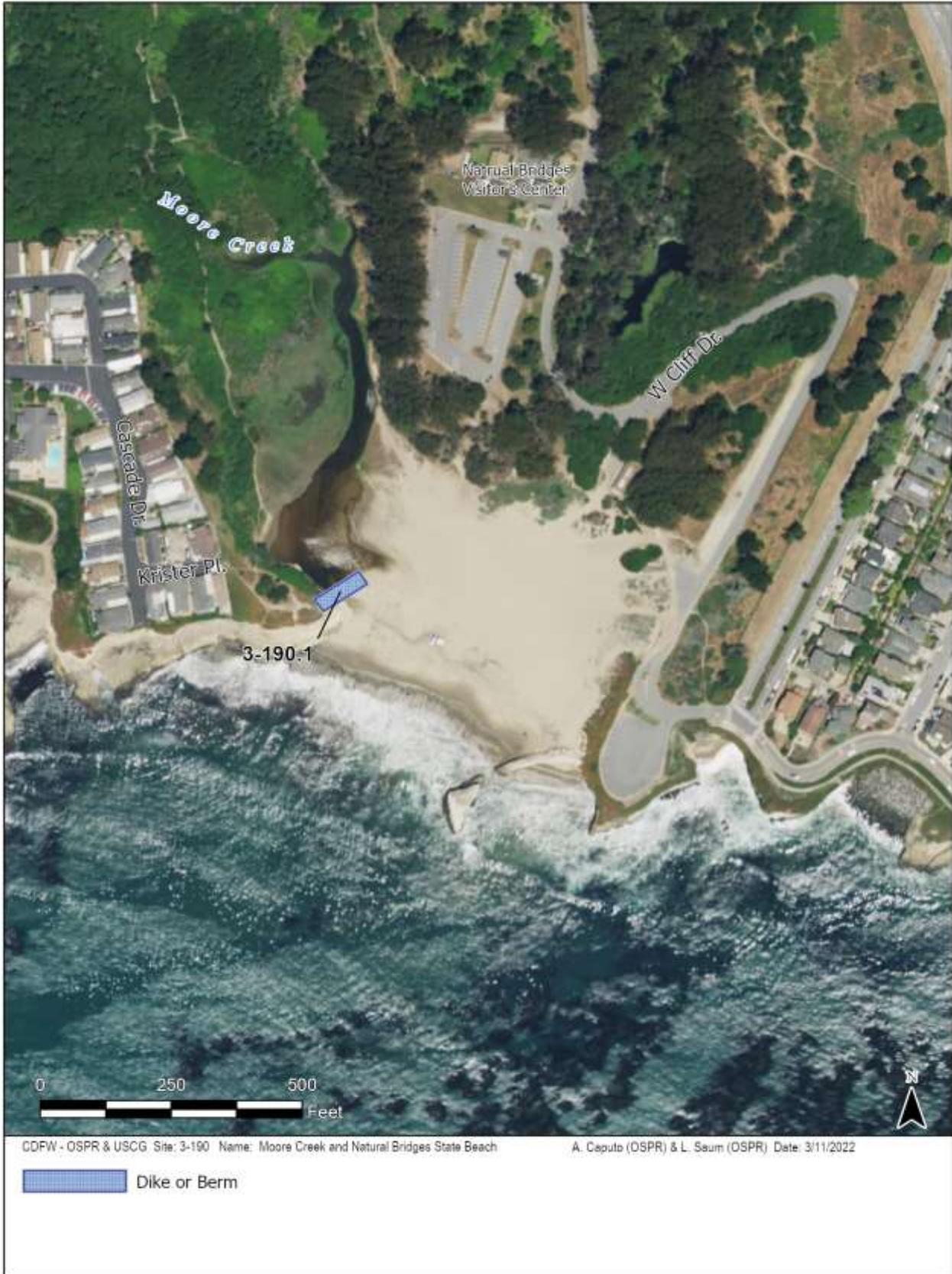
*Directions:* Natural Bridges State Park (2320 W Cliff Dr, Santa Cruz, CA 95060); 85 parking spaces.

*Land Access:* Heavy equipment access from W Cliff Dr. The upcoast bank of Moore Creek is also accessible via footpath at the end of Krister Place (Cascade Dr & Krister Pl, Santa Cruz, CA 95060).

*On-Water Limitations:* Nearest vessel launch site is Santa Cruz Harbor (3 nautical miles).

*Facilities, Staging Areas, Command Posts, Available Equipment:* Additional unpaved parking area along Cliff Dr.; 35 parking spaces. May be suitable for small staging area. Restrooms.

*Communications Problems:* None.



## **9825.2 Response Summary Tables**

A summary of the response resources is listed by site and sub-strategy next.

## Summary of ACP 3 GRA 1 Response Resources by Site and Sub-Strategy

**Site Site Name**

**Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT**

Equipment	Sub-Type	Size/Unit	QTY/Unit
<b>3-110 Waddell Creek and Waddell Beach</b>			
<b>.1 - Build Berm</b>			
Boom	Sorbent		500 feet
Bulldozer or Loader			1
PVC Pipe		6 inch	500 feet
Stakes			2
ATV			1
Staff			10
<b>.2 - Deploy Containment Boom</b>			
Boom	Sorbent		500 feet
Stakes			4
Staff			3
Boom	Swamp		500 feet
<b>3-115 Greyhound Rock</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>3-120 Pelican Rock</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>3-130 Scott Creek, Scott Creek Beach, and Molino Creek</b>			
<b>.1 - Build Berm</b>			
Boom	Sorbent		500 feet
Bulldozer or Loader			1
Stakes			2
Staff			10
PVC Pipe		6 inch	300 feet
<b>.2 - Deploy Containment Boom</b>			
Boom	Sorbent		500 feet
Stakes			4
Staff			3
Boom	Swamp		500 feet
<b>3-145 San Vicente Creek</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>.2 - Exclude Oil</b>			
Boom	Swamp		50 feet
Oil Snare (pom-pom)			60
T-post		6 feet	4
Stake driver			1
Staff			4
Stakes			4
Boom	Sorbent		50 feet
Construction Fence		4 x 100 feet	1 roll
<b>3-150 Liddell Creek and Bonny Doon Beach</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>.2 - Exclude Oil</b>			
Stake driver			1
Stakes			4
Boom	Sorbent		100 feet
Staff			4
T-post		6 feet	8
Oil Snare (pom-pom)			120
Construction Fence		4 x 100 feet	1 roll
Boom	Swamp		100 feet

**Site Site Name**

**Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT**

Equipment	Sub-Type	Size/Unit	QTY/Unit
<b>3-155 Yellow Bank Creek and Panther Beach</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>.2 - Exclude Oil</b>			
Oil Snare (pom-pom)			90
Boom	Sorbent		100 feet
Boom	Swamp		100 feet
Stakes			4
Staff			4
T-post		6 feet	6
Construction Fence		4 x 100 feet	1 roll
Stake driver			1
<b>3-160 Laguna Creek and Laguna Creek Beach</b>			
<b>.1 - Build Berm</b>			
Stakes			2
Staff			12
PVC Pipe		6 inch	600 feet
Bulldozer or Loader	Max blade/track width	8 feet	1
Boom	Sorbent		300 feet
<b>3-165 Majors Creek and Red, White and Blue Beach</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>.2 - Exclude Oil</b>			
Boom	Sorbent		100 feet
Stakes			4
T-post		6 feet	7
Oil Snare (pom-pom)			105
Stake driver			1
Staff			4
Construction Fence		4 x 100 feet	1 roll
Boom	Swamp		100 feet
<b>3-170 Baldwin Creek and 4 Mile Beach</b>			
<b>.1 - Build Berm</b>			
Bulldozer or Loader			1
ATV			1
Staff			12
Stakes			2
PVC Pipe		6 inch	600 feet
Boom	Sorbent		150 feet
<b>3-175 Wilder Creek and Wilder Beach</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			
<b>.2 - Exclude Oil</b>			
Construction Fence		4 x 100 feet	2 roll
T-post		6 feet	12
Stake driver			1
Staff			6
Boom	Sorbent		150 feet
Stakes			4
Boom	Swamp		150 feet
Oil Snare (pom-pom)			180
<b>3-180 Offshore Rock North of Terrace Point</b>			
<b>.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART</b>			



### **9825.3 Lists of Economic Resources Susceptible to Oiling**

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA. Refer to Section 9804 for more information.

Economic Sites - GRA 1

Site Information	Site Number & Location	Lat/Long & Priority
<p><b>Monterey Bay Salmon and Trout Project</b>                      825 Big Creek Rd                      Davenport CA 95017                      Phone: (831) 531-2051  <b>Site Description:</b> Seawater intake</p>	<p>Site Number: 3-1-SZ-100-D                      Operational Division: SZ - A</p>	<p>Aquaculture and Mariculture <b>D</b>                      Lat/Long: 37.0745 -122.22152</p>
<p><b>American Abalone Farms</b>                      245 Davenport Landing Rd                      Davenport CA 95017                      Phone: (831) 457-2700  <b>Site Description:</b> Seawater intake</p>	<p>Site Number: 3-1-SZ-105-D                      Operational Division: SZ - A</p>	<p>Aquaculture and Mariculture <b>D</b>                      Lat/Long: 37.02346 -122.21525</p>
<p><b>Davenport Landing Beach</b>                      335 Davenport Landing Rd                      Davenport CA 95017                      Phone: (831) 454-7901  <b>Site Description:</b> County of Santa Cruz</p>	<p>Site Number: 3-1-SZ-110-D                      Operational Division: SZ - A</p>	<p>Parks, Beaches, Recreational Areas <b>D</b>                      Lat/Long: 37.02415 -122.21583</p>
<p><b>Davenport Pier Beach</b>                      9812 Cabrillo Hwy                      Davenport CA 95017                      Phone: (916) 978-4400  <b>Site Description:</b> Bureau of Land Management. Remnants of Davenport Pier.</p>	<p>Site Number: 3-1-SZ-115-D                      Operational Division: SZ - A</p>	<p>Parks, Beaches, Recreational Areas <b>D</b>                      Lat/Long: 37.01243 -122.19931</p>
<p><b>NOAA Fisheries Santa Cruz Laboratory</b>                      110 McAllister Way                      Santa Cruz CA 95060                      Phone: (831) 420-3900  <b>Site Description:</b> National Marine Fisheries Service. Seawater intake, operated by Joseph M. Long Marine Laboratory.</p>	<p>Site Number: 3-1-SZ-120-D                      Operational Division: SZ - B</p>	<p>Aquariums and Marine Labs <b>D</b>                      Lat/Long: 36.95192 -122.06503</p>
<p><b>Joseph M. Long Marine Laboratory</b>                      115 McAllister Way                      Santa Cruz CA 95060                      Phone: (831) 459-2883  <b>Site Description:</b> University of California Santa Cruz. Seawater intake. Operates the single intake that serves all end users on McAllister Way.</p>	<p>Site Number: 3-1-SZ-125-D                      Operational Division: SZ - B</p>	<p>Aquariums and Marine Labs <b>D</b>                      Lat/Long: 36.94977 -122.06557</p>
<p><b>Marine Wildlife Veterinary Care and Resea</b>                      151 McAllister Way                      Santa Cruz CA 95060                      Phone: (831) 469-1719  <b>Site Description:</b> California Department of Fish and Wildlife - Office of Spill Prevention and Response. Seawater intake, operated by Joseph M. Long Marine Laboratory.</p>	<p>Site Number: 3-1-SZ-130-D                      Operational Division: SZ - B</p>	<p>Aquariums and Marine Labs <b>D</b>                      Lat/Long: 36.95436 -122.06558</p>