


 Environmental Sensitive Sites
 Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
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ACP 3 - GRA 4 Environmental Sensitive Sites Monterey County



ACP 3 – Central Monterey County

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9828 Central Monterey County (GRA 4)

Central Monterey County encompasses the Monterey Peninsula which is predominantly rocky, high-energy coastline that transitions to large sand beaches within Carmel Bay. A tremendously high concentration of threatened and endangered plant species grow in dunes and coastal scrub habitat within GRA 4. There are eight Environmental Sensitive Sites in this region, five of which are within the exclusive, private community of Pebble Beach which must be accessed through a handful of attended gates. Within the Pebble Beach community the Stillwater Yacht Club operates a pier with a vessel hoist and a small mooring field. GRA 4 includes Operational Division MT-Div E. The majority of GRA 4 is within urban areas so the coastline receives moderate to heavy recreational use. GRA 4 ends with Point Lobos which harbors significant congregations of marine wildlife.

9828.1 Geographic Response Strategies for Environmental Sensitive Sites

9828.1.1 GRA 4 Site Index

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County: Monterey*ACP Division/Segment:* MT - E - S001 MT - E - S002*NOAA Chart:* 18685*Map Book:* 1113*Decimal Degrees:* 36.62481 -121.94104**Site Description:**

Rocky coastline and wave-cut platforms with tidepools interspersed with small sand pocket beaches. Site encompasses all of Asilomar State Beach which extends from Jewell Ave. to the Majella Slough inlet on the northern end of Spanish Bay Beach. With very few exceptions, locals are unaware that Asilomar State Beach property ends just south of the rocky coastline and refer to Spanish Bay Beach as Asilomar Beach. Asilomar State Beach is a collection point for the sparse accumulation of natural oil seep tar balls that reach the Monterey Bay area during southwest wind and swell events. Small bits of asphalted seep oil are adhered to the rocky shoreline. The south end of the site includes the mouth of Majella Slough which is not tidally influenced due to the topography of the slough channel. Majella Slough is densely vegetated freshwater marsh that becomes riparian habitat upstream of the beach. During high tides a brackish lagoon may form on the beach at the slough mouth. Site upcoast boundary (36.631149°, -121.938021°), downcoast boundary (36.617659°, -121.941561°); length 1.15 miles. Site is within the Asilomar State Marine Reserve, Pacific Grove Marine Gardens Fish Refuge, Bureau of Land Management California Coastal National Monument, and Monterey Bay National Marine Sanctuary. Sensitive plant species and Northern legless lizard are present within the coastal scrub habitat along the walking path. Possible pinniped haulout site but rare due to heavy recreational use.

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

3A Fine- to medium-grained sand beaches

4 Coarse-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Insects	Smith's blue butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	Kellogg's horkelia	SR	Year-round	
Plants	Menzies' wallflower	FE, SE	Year-round	
Plants	Monterey gilia	FE, ST	Year-round	
Plants	Monterey spineflower	FT	Year-round	
Plants	northern curly-leaved monardella	SR	Year-round	
Plants	Pacific Grove clover	SR	Year-round	
Plants	Tidestrom's lupine	FE, SE	Year-round	
Reptiles	Northern legless lizard	SSC	Year-round	Sep-Nov

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. Sensitive plant species and Northern legless lizard are present within the dunes and vegetation along the walking path. Stay on walking paths. Do not disturb vegetation.

Hazard and Restrictions:**Site Strategies:****Site Validation Level: II**

Strategy: 3-410.1 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:**

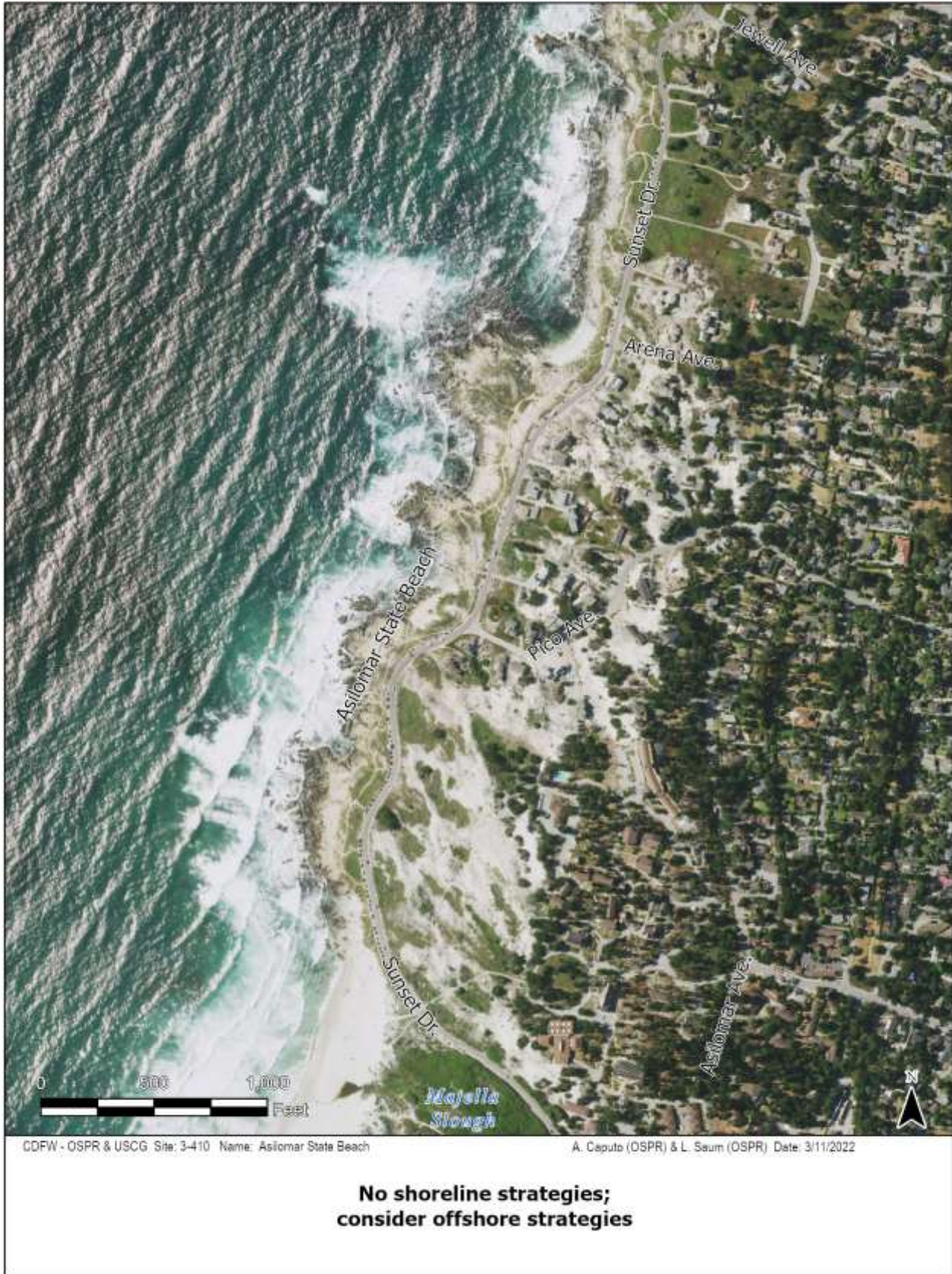
Directions: Northern parking: shoulder of Sunset Dr. southbound lane (36.629702°, -121.937173°); 5 parking spaces. Southern parking: shoulder of Sunset Dr. southbound lane near Spanish Bay Beach (36.618795°, -121.940734°); 32 parking spaces. Additional parking areas on the southbound shoulder of Sunset Dr; 53 parking spaces in total. Ocean View Blvd. becomes Sunset Dr. at Lighthouse Ave.

Land Access: Vehicle access to beach via Trail #2 (36.618722°, -121.940689°). Rocky coastline is only accessible via Asilomar Coastal Trail walking path which provides access to pocket beaches. Do not disturb coastal vegetation. Several dirt parking areas on Sunset Dr. along entire site area with access to pocket beaches.

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

Facilities, Staging Areas, Command Posts, Available Equipment: Asilomar Hotel and Conference Grounds is a potential command post location (800 Asilomar Ave, Pacific Grove, CA 93950).

Communications Problems: None.



County: Monterey*ACP Division/Segment:* MT - E - S002*NOAA Chart:* 18685*Map Book:* 1113,1133*Decimal Degrees:* 36.61438 -121.94597**Site Description:**

Spanish Bay Beach and Moss Beach are respectively sand and mixed sand and gravel beaches separated by rocky coastline within Spanish Bay. The site boundary begins at the Majella Slough inlet, bordering Asilomar State Beach property and extends to the south end of Spanish Bay. With very few exceptions, locals are unaware that Asilomar State Beach property ends at the northern edge of Spanish Bay and refer to Spanish Bay Beach as Asilomar Beach. The rock outcropping between Spanish Bay Beach and Moss Beach is a collection point for the sparse accumulation of natural oil seep tar balls that reach the Monterey Bay area during southwest wind and swell events. Small bits of asphalted seep oil are adhered to the rocky shoreline. Site upcoast boundary (36.617659°, -121.941561°), downcoast boundary (36.608814°, -121.953172°); length 0.95 miles. Site is within the Asilomar State Marine Reserve, Bureau of Land Management California Coastal National Monument, and Monterey Bay National Marine Sanctuary. Sensitive plant species and Northern legless lizard are present within the dunes that back both beaches. Possible pinniped haulout site but rare due to heavy recreational use.

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

5 Mixed sand and gravel beaches

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

6A Gravel Beach

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Insects	Smith's blue butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	Menzies' wallflower	FE, SE	Year-round	
Plants	Monterey gilia	FE, ST	Year-round	
Plants	Monterey spineflower	FT	Year-round	
Plants	northern curly-leaved monardella	SR	Year-round	
Plants	Tidestrom's lupine	FE, SE	Year-round	
Reptiles	Northern legless lizard	SSC	Year-round	Sep-Nov

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	/Dispatch, 24-hr	Pebble Beach Company	(831) 625-8428
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. Surfing areas.

Concerns and Advice to Responders:

Heavy recreational use. Surfing areas. Sensitive plant species and Northern legless lizard are present within the dunes and vegetation along the walking path. Stay on walking paths and roped path along the dunes. Do not disturb vegetation.

Hazard and Restrictions:

Southern site access requires entering Pebble Beach property through attended gates.

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

Strategy: 3-420.1 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:**

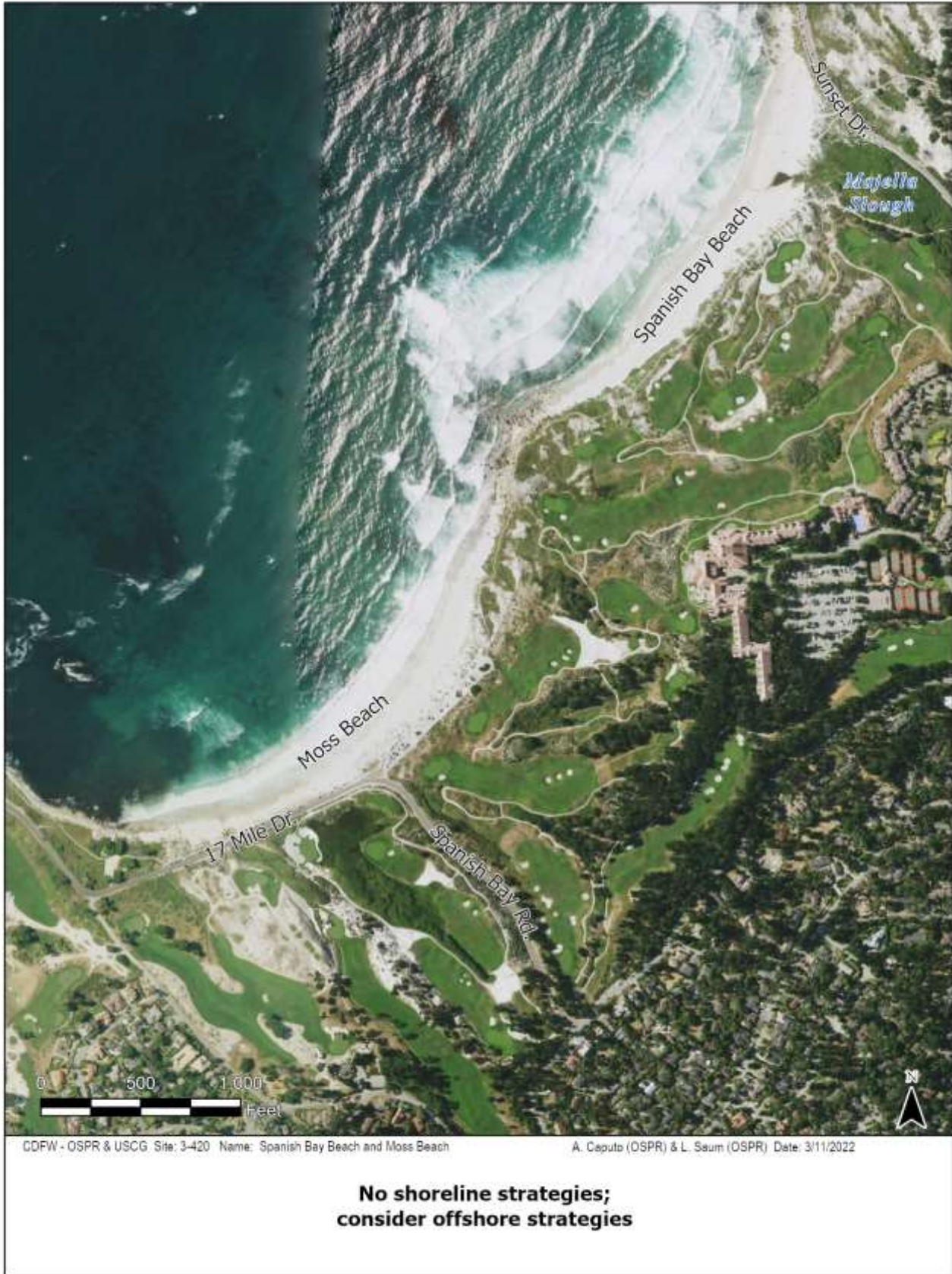
Directions: Spanish Bay Beach: parking on shoulder of Sunset Dr. southbound lane (36.618795°, -121.940734°); 32 parking spaces. Moss Beach: parking lot off 17 Mile Dr. (36.609622°, -121.948137°); 77 parking spaces. Pebble Beach Pacific Grove Gate (2790 17 Mile Dr, Pebble Beach, CA 93953). Pebble Beach Country Club Gate (2292 Forest Lodge Rd, Pacific Grove, CA). Pebble Beach Samuel F.B. Morse Gate (36.598264°, -121.926180°).

Land Access: Vehicle access to Spanish Bay Beach via Trail #2 on Asilomar State Beach property (36.618722°, -121.940689°). Vehicle access to Moss Beach from parking lot. Vehicles cannot travel between the beaches due to rock outcropping.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (5 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier in Pebble Beach (6 nautical miles).

Facilities, Staging Areas, Command Posts, Available Equipment: Moss Beach parking lot may be suitable for a small staging area (1 acre).

Communications Problems: None.



County: Monterey*ACP Division/Segment:* MT - E - S003*NOAA Chart:* 18685*Map Book:* 1133*Decimal Degrees:* 36.58998 -121.96652**Site Description:**

Offshore wave-cut platforms that support a nesting colony of Brandt's cormorants and provide a haulout for pinnipeds. Bird Rock and Seal Rock are not accessible by land but nearby overlooks provide excellent observation points. Seal Rock Creek empties onto Seal Rock Beach and is naturally protected from tidal influence due to topography. Site is within the Bureau of Land Management California Coastal National Monument and Monterey Bay National Marine Sanctuary. Other nesting seabirds in the surrounding area include black oystercatcher and Western gull. Brown pelicans also roost on the offshore rocks. A federally endangered plant species grows the coastal scrub habitat between Ocean Rd. and Bird Rock Rd., west of 17 Mile Dr. Several threatened and endangered plant species are found in the coastal scrub habitat between Bird Rock Rd. and The Dunes Rd., east of 17 Mile Dr. Red-legged frogs are found within and near Seal Rock Creek east of 17 Mile Dr.

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
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	
Plants	beach layia	FE, SE	Year-round	
Plants	coastal dunes milk-vetch	FE, SE	Year-round	
Plants	Menzies' wallflower	FE, SE	Year-round	
Plants	pink Johnny-nip	SR	Year-round	
Plants	Tidestrom's lupine	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

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C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Dispatch, 24-hr	Pebble Beach Company	(831) 625-8428
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:

Several threatened and endangered plant species are found in the vegetation between Bird Rock Rd. and The Dunes Rd., east of 17 Mile Dr. Stay on walking paths. Do not disturb vegetation.

Hazard and Restrictions:

Site access requires entering Pebble Beach property through attended gates.

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

Strategy: 3-435.1 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: Bird Rock overlook parking: lot off 17 Mile Dr. southbound lane (36.591388°, -121.964339°); 56 parking spaces. Seal Rock Beach parking: shoulder of 17 Mile Dr. southbound lane (36.589626°, -121.962956°); 13 parking spaces. Seal Rock overlook parking: lot off 17 Mile Dr. southbound lane (36.588024°, -121.963959°); 5 parking spaces. Pebble Beach Country Club Gate (2292 Forest Lodge Rd, Pacific Grove, CA). Pebble Beach Samuel F.B. Morse Gate (36.598264°, -121.926180°). Pebble Beach Highway 1 Gate (Highway 1 Gate, 17 Mile Dr, Carmel-By-The-Sea, CA 93923).

Land Access: No site access from land. Parking areas are observation points.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (7 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier in Pebble Beach (4 nautical miles).

Facilities, Staging Areas, Command Posts, Available Equipment: Restroom at Bird Rock parking lot.

Communications Problems: None.



**No shoreline strategies;
consider offshore strategies**

County: Monterey **ACP Division/Segment:** MT - E - S004**NOAA Chart:** 18685**Map Book:** 1133**Decimal Degrees:** 36.58246 -121.96917**Site Description:**

Fan Shell Beach is a sand pocket beach intermixed with wave-cut platform. Site upcoast boundary (36.582925°, -121.967645°), downcoast boundary (36.583226°, -121.971442°); length 0.26 miles. Site is within the Monterey Bay National Marine Sanctuary. Significant year-round haulout and rookery for harbor seals. A temporary chain link fence is installed to restrict public access to the beach during harbor seal pupping season. Northern legless lizard is found in the backshore dunes.

Resources at Risk:**ESI and Habitat:** 4 Coarse-grained sand beaches

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

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Insects	Smith's blue butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Pacific harbor seal	FP	Year-round	Feb-May
Mammals	Southern sea otter	FT, SP	Year-round	
Reptiles	Northern legless lizard	SSC	Year-round	Sep-Nov

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	Northwest Information Center	(707) 588-8455
E	/Dispatch, 24-hr	Pebble Beach Company	(831) 625-8428
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:

Harbor seal pupping Feb-May. Northern legless lizard is found in the backshore dunes.

Hazard and Restrictions:

Site access requires entering Pebble Beach property through attended gates. A temporary chain link fence is installed to restrict public access to the beach during harbor seal pupping season.

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

Strategy: 3-440.1 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: Parking on shoulder of 17 Mile Dr. southbound lane (36.582091°, -121.969403°); 5 parking spaces. Additional parking downcoast at Fan Shell Beach overlook; 16 parking spaces. Pebble Beach Country Club Gate (2292 Forest Lodge Rd, Pacific Grove, CA). Pebble Beach Samuel F.B. Morse Gate (36.598264°, -121.926180°). Pebble Beach Highway 1 Gate (Highway 1 Gate, 17 Mile Dr, Carmel-By-The-Sea, CA 93923).

Land Access: Beach access footpath only via a short staircase from the parking area.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (8 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier in Pebble Beach (4 nautical miles).

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

Communications Problems: None.



County: Monterey**ACP Division/Segment:** MT - E - S006**NOAA Chart:** 18680**Map Book:** 1133, 1153**Decimal Degrees:** 36.5621 -121.94484**Site Description:**

Offshore wave-cut platform rocks at mouth of Stillwater Cove that provide a nesting site for seabirds and haulout for pinnipeds. Site is within the Carmel Bay State Marine Conservation Area, Bureau of Land Management California Coastal National Monument, Monterey Bay National Marine Sanctuary, and is a California Area of Special Biological Significance. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, pigeon guillemot, and Western gull. Brown pelicans roost on the rocks as well.

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	Northwest Information Center	(707) 588-8455
E	/Dispatch, 24-hr	Pebble Beach Company	(831) 625-8428
E	/Harbormaster	Stillwater Yacht Club	(831) 625-8520
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
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C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

SCUBA diving area.

Concerns and Advice to Responders:

SCUBA diving area.

Hazard and Restrictions:

Access to site observation point requires entering Pebble Beach property through attended gates.

Site Strategies:

Site Validation Level: II

Strategy: 3-448.1 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: Stillwater Pier (1576 Cypress Dr, Pebble Beach, CA 93953); 20 parking spaces. Overflow parking (36.567039°, -121.944440°); 10 parking spaces. Pebble Beach Highway 1 Gate (Highway 1 Gate, 17 Mile Dr, Carmel-By-The-Sea, CA 93923). Pebble Beach Carmel Gate (36.558944°, -121.929029°).

Land Access: No site access from land. Stillwater Pier is an observation point.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (11 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier.

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

Communications Problems: None.



County: Monterey*ACP Division/Segment:* MT - E - S006*NOAA Chart:* 18680*Map Book:* 1133*Decimal Degrees:* 36.56483 -121.94506**Site Description:**

Pebble Beach is a wave-cut platform beach west of Stillwater Cove and is backed by Pebble Beach Hole 18. Stillwater Cove includes a mixed sand and gravel beach with wave-cut platform backed by steep vegetated bluffs. The Stillwater Yacht Club owns and manages Stillwater Pier which includes a 3-ton vessel hoist and small craft anchorage. Site upcoast boundary (36.566688°, -121.951161°), downcoast boundary (36.564233°, -121.939408°); length 0.81 miles. Site is within the Carmel Bay State Marine Conservation Area, Bureau of Land Management California Coastal National Monument, Monterey Bay National Marine Sanctuary, and is a California Area of Special Biological Significance. Nesting seabirds in the surrounding area include black oystercatcher, pelagic cormorant, pigeon guillemot, and Western gull. Pinnipeds haul out along Pebble Beach. Sensitive plant species are found in sand dune and coastal scrub habitat throughout Pebble Beach property.

Resources at Risk:

ESI and Habitat: 2A Exposed wave-cut platforms in bedrock, mud, or clay
5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	seabird colony		Year-round	Apr-Aug
Insects	Smith's blue butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	Monterey ornate shrew	SSC	Year-round	Feb-Oct
Mammals	pinnipeds	FP	Year-round	
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	beach layia	FE, SE	Year-round	
Plants	fragrant fritillary	SR	Year-round	
Plants	Hickman's cinquefoil	FE, SE	Year-round	
Plants	Monterey gilia	FE, ST	Year-round	
Plants	Tidestrom's lupine	FE, SE	Year-round	

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

Additional Site Summary Comments:

SCUBA diving area. Moderate recreational use.

Concerns and Advice to Responders:

SCUBA diving area. Sensitive plant species are found in sand dune and coastal scrub habitat throughout Pebble Beach property.

Hazard and Restrictions:

Site access requires entering Pebble Beach property through attended gates.

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

Strategy: 3-450.1 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: Stillwater Pier (1576 Cypress Dr, Pebble Beach, CA 93953); 20 parking spaces. Overflow parking (36.567039°, -121.944440°); 10 parking spaces. Pebble Beach Highway 1 Gate (Highway 1 Gate, 17 Mile Dr, Carmel-By-The-Sea, CA 93923). Pebble Beach Carmel Gate (36.558944°, -121.929029°).

Land Access: Beach access via footpath.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (11 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier.

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

Communications Problems: None.



County: Monterey*ACP Division/Segment:* MT - E - S010 MT - E - S011*NOAA Chart:* 18680*Map Book:* 1153*Decimal Degrees:* 36.53671 -121.92791**Site Description:**

The Carmel River and San Jose Creek are within the Carmel River State Beach property located at the southern end of Carmel Bay. These coarse grained-sand beaches are interspersed with rock outcroppings along the shoreline. The Carmel River feeds a large brackish marsh along the main channel and dense riparian habitat further upstream. Freshwater marshes branch from both the north and the south of the river mouth. A natural sand berm forms at the Carmel River mouth seasonally but is frequently overtopped by high tides. San Jose Creek is located 0.75 miles south of the Carmel River. The southern portion of Carmel River State Beach where San Jose Creek is located is also called Monastery Beach. San Jose Creek mouth location varies but is most often found at the north end of Monastery Beach. The creek channel wraps around the back of the beach behind a large natural sand berm and passes under Highway 1 at a bridge midway along the beach backshore. A brackish lagoon and marsh forms downstream of the Highway 1 bridge. The natural sand berm along San Jose Creek is overtopped by high spring tides. San Jose Creek outflow will only breach the natural sand berm during heavy rain events. The stretch of land between Carmel River and San Jose Creek is the Ohlone Coastal Cultural Preserve managed by State Parks. The Carmel Area Water District Wastewater Treatment Plant is located within the Carmel River estuary. Site is within the Carmel Bay State Marine Conservation Area, California Sea Otter Game Refuge, Monterey Bay National Marine Sanctuary, and is a California Area of Special Biological Significance. Brown pelicans roost within the Carmel River mouth and marsh. Northern legless lizard is found in the backshore dunes of both beaches. Non-breeding Western snowy plovers may be present near the Carmel River mouth.

Resources at Risk:*ESI and Habitat:* 4 Coarse-grained sand beaches

10A Salt - and brackish-water marshes

10B Freshwater marshes

5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Mar
Birds	Western snowy plover	FT, SSC	Year-round	
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	
Reptiles	Northern legless lizard	SSC	Year-round	Sep-Nov
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	/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, 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:

Moderate recreational use. SCUBA diving at Monastery Beach. The protection strategies only apply to Carmel River.

Concerns and Advice to Responders:

SCUBA diving at Monastery Beach. Northern legless lizard is found in the backshore dunes of both beaches. Non-breeding Western snowy plovers may be present near the Carmel River mouth. The protection strategies only apply to Carmel River.

Hazard and Restrictions:**Site Strategies:****Site Validation Level: II****Strategy: 3-460.1 Objective:** Deploy Containment Boom

Strategy: Deploy 550 feet of boom in the Carmel River lagoon central pool adjacent to the natural sand berm, with a collection point to the north. Anchor to sand beach, avoid vegetated banks. 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			550	feet	<i>Strategy Updated:</i> 11/1/2023
Boom	Sorbent			550	feet	<i>Last Test:</i> 11/1/2023
Anchor	Danforth			2		
Stakes				2		
Vessel	Skiff or Punt			1		
Staff				4		

Strategy: 3-460.2 Objective: Erect Filter Fence

Strategy: Enhance efficacy of sand berm exclusion by constructing a filter fence across the sand berm where tidal action may overtop the berm. Monitor barrier and replace pom-poms as necessary to maintain effectiveness.

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> 11/1/2023
Oil Snare (pom-pom)				300		<i>Last Test:</i> 11/1/2023
T-post		6 feet		20		
Stake driver				1		
Staff				4		

Strategy: 3-460.3 Objective: Build Berm

Strategy: Exclude oil from river by building a sediment berm with native sand using heavy equipment. 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		
Boom	Sorbent			300	feet	
Stakes				2		
Staff				10		

Logistics:

Directions: Carmel Beach parking lot: off Carmelo St. (36.538876°, -121.927843°); 24 parking spaces. San Jose Creek parking: southbound shoulder of Highway 1 (36.522598°, -121.927170°); 33 parking spaces.

Land Access: Carmel River: Heavy equipment access from parking lot. Scenic Rd. is a one-way street that travels downcoast. San Jose Creek: Heavy equipment access through fence opening near lifeguard tower. Access to San Jose Creek mouth through the adjacent property may be arranged by State Parks (27448 CA-1, Carmel-By-The-Sea, CA 93923).

3-460-A Site Strategy - Carmel River and San Jose Creek

3-460-A

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (12 nautical miles). Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier in Pebble Beach (2 nautical miles).

Facilities, Staging Areas, Command Posts, Available Equipment: Restrooms at both beaches.

Communications Problems: None.



CDFW - OSPR & USCG Site: 3-460 Name: Carmel River and San Jose Creek

A. Caputo (OSPR) & L. Saum (OSPR) Date: 3/20/2024

Carmel River

+++++ Filter Fence

xxxxxxxxxxxxxxxxx Swamp Boom

■ Dike or Berm

San Jose Creek
No shoreline strategies;
consider offshore strategies

County: Monterey*ACP Division/Segment:* MT - E - S012 MT - E - S013*NOAA Chart:* 18680*Map Book:* 1153,1173*Decimal Degrees:* 36.52425 -121.95479**Site Description:**

Point Lobos State Natural Reserve is a world-renowned scenic area containing a rich diversity of coastal and terrestrial wildlife. The convoluted shoreline is predominantly wave-cut platform interspersed with pocket beaches and rock outcroppings. The property begins at the southern end of Monastery Beach and extends to the point south of Gibson Beach. Site upcoast boundary (36.523355°, -121.936136°), downcoast boundary (36.505540°, -121.939092°); length 5.43 miles. Site is within the Point Lobos State Marine Reserve, California Sea Otter Game Refuge, Bureau of Land Management California Coastal National Monument, Bureau of Land Management California Coastal National Monument, Monterey Bay National Marine Sanctuary, and is a California Area of Special Biological Significance. Harbor seals haul out throughout the reserve and pup at Moss Cove, Whalers Cove, Bluefish Cove, Headland Cove, and China Cove. Sea lions haul out at Sea Lion Rocks. Northern elephant seals are observed occasionally. Black oystercatchers nest throughout the reserve. Brandt's, crested and pelagic cormorants nest at Bird Island and throughout the reserve. Pigeon guillemots nest at Bluefish Cove, Guillemot Island to Cypress Cove, North Point, and Headland Cove. Peregrine falcons nest near China Cove. Over 1,000 brown pelicans have been observed roosting at Bird Island. Sensitive plant species are throughout the reserve.

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

4 Coarse-grained sand beaches

5 Mixed sand and gravel beaches

1A Exposed Rocky Shore

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	peregrine falcon	FP, SP	Year-round	Feb-Jun
Birds	seabird colony		Year-round	Apr-Aug
Insects	Smith's blue butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	Apr-Sep
Mammals	California sea lion	FP	Year-round	
Mammals	Pacific harbor seal	FP	Year-round	Feb-May
Mammals	Southern sea otter	FT, SP	Year-round	
Plants	Monterey spineflower	FT	Year-round	
Plants	Pacific Grove clover	SR	Year-round	
Plants	pink Johnny-nip	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
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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. SCUBA diving at Whalers Cove.

Concerns and Advice to Responders:

Heavy recreational use. SCUBA diving at Whalers Cove. Sensitive plant species throughout the reserve. Stay on trails.

Hazard and Restrictions:

Attended gate at property entrance. Coastal access via footpath, except Whalers Cove. Poison oak is abundant year-round.

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

Strategy: 3-470.1 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: Reserve entrance, gated (62 CA-1, Carmel-By-The-Sea, CA 93923). Whalers Cove parking area (36.520588°, -121.940647°); 24 parking spaces. Additional parking areas throughout property.

Land Access: Coastal access is via footpath. Multiple parking lots and walking trails throughout reserve. The interior road is one-way and loops around the reserve counterclockwise.

On-Water Limitations: Nearest vessel launch site is Monterey Harbor (12 nautical miles). Whalers Cove launch ramp is only 12 feet wide and lined with riprap piles down into the water line on both sides. Vessel launch via 3-ton hoist at Stillwater Yacht Club Pier in Pebble Beach (2 nautical miles).

Facilities, Staging Areas, Command Posts, Available Equipment: Restrooms at all major parking lots.

Communications Problems: Weak to no cell phone signal.



9828.2 Response Summary Tables

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

Summary of ACP 3 GRA 4 Response Resources by Site and Sub-Strategy

Site	Site Name	Equipment	Sub-Type	Size/Unit	QTY/Unit
Sub-Strategy	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT				
3-410	<i>Asilomar State Beach</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-420	<i>Spanish Bay Beach and Moss Beach</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-435	<i>Bird Rock and Seal Rock</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-440	<i>Fan Shell Beach</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-448	<i>Pescadero Rocks</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-450	<i>Pebble Beach and Stillwater Cove</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
3-460	<i>Carmel River and San Jose Creek</i>				
.1	Build Berm				
	Bulldozer or Loader				1
	Boom	Sorbent			300 feet
	Stakes				2
	Staff				10
3-470	<i>Point Lobos State Natural Reserve</i>				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				

9828.3 Lists of Economic Resources Susceptible to Oiling

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

Economic Sites - GRA 4

Site Information	Site Number & Location	Lat/Long & Priority
Carmel Beach Scenic Rd and 8th Ave Carmel-By-The-Sea CA 93921 Phone: (831) 620-2073 Site Description: City of Carmel-By-The-Sea	Site Number: 3-4-MT-100-D Operational Division: MT - E	Parks, Beaches, Recreational Areas D Lat/Long: 36.55038 -121.92231