

2-201-A Site Summary - Point Reyes Headlands**2-201-A****County:** Marin **ACP Division/Segment:** MR - H - S002**NOAA Chart:** 18640 / 18647**Map Book:** Marin County**Decimal Degrees:** 37.996234 -123.020113**Site Description:**

Pt. Reyes Lighthouse to Chimney Rock and inside Drake's Bay to Lifeboat Station. Site is located within Pt. Reyes National Seashore and Greater Farallones National Marine Sanctuary. Site is within the following State Marine Protected Areas: Point Reyes Headlands Special Closure & Point Reyes State Marine Reserve. Site is associated with BLM Ca Coastal National Monument resources. A rocky headland approximately 3.5 miles long; steep cliffs; high energy offshore washrocks; small pocket beaches of mixed sand and gravel; and rocky intertidal pools.

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

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	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Fish	longfin smelt	ST	Year-round	Nov-May
Insects	Myrtle's silverspot butterfly	FE	Year-round	
Invertebrates	black abalone	FE	Year-round	
Mammals	Northern elephant seal	FP	Year-round	Dec-Mar
Mammals	Steller sea lion	FP	Aug - Apr	
Mammals	California sea lion	FP	Aug - Apr	
Mammals	grey whale	FP	Dec - Feb, Apr - May	

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	US National Park Service, Golden Gate NRA	(415) 561-5505
O	/Agency Representative, 24-hr	California Coastal Commission	(415) 693-8375
O	/Dispatch, 24-hr	California State Parks	(916) 358-1300
O	/Emergency Service Coordinator	Marin County Office of Emergency Services	(415) 250-0267
O	/Dispatch, 24-hr	Marin County Sheriff's Department	(415) 479-2311
T	/Natural Resources Specialist	BLM, CA Coastal National Monument	(831) 582-2200
T	/Agency Representative, 24-hr	Greater Farallones National Marine Sanctuary	(650) 678-4943
T	/Agency Representative, 24-hr	Greater Farallones National Marine Sanctuary	(650) 479-5311
T	/Dispatch, 24-hr	US National Park Service, Golden Gate NRA	(415) 561-5505
T	/Park Ranger, 24 hr	US National Park Service, Point Reyes	(415) 464-5175

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

Additional Site Summary Comments:

Large numbers of Brant's and pelagic cormorants, black oyster catchers, common murre, pigeon guillemots, tufted puffin, and western gulls and various other sea birds utilize this area year-round, nesting from March-July. Several listed plant species occur in the area, including Tidestrom's lupine (SE/FE), Beach layia (FE/SE), Point Reyes meadow foam (SE), Sonoma alopecurus (FE), and Point Reyes blenosperma (SR).

Concerns and Advice to Responders:

Principal concerns are oil contamination and response activity impacts to seabirds, marine mammals, and other vulnerable intertidal plants and wildlife which are present throughout the year. The primary objective is to minimize exposure of oil to the natural resources present at the site. Avoid low flying aircraft/helicopters (<1000 ft) over the seabird colonies and marine mammal haulout areas. Avoid noisy boat traffic near the headlands (nesting areas).

Hazard and Restrictions:

Heavy surf, large swell, and strong current common at this site. Nearshore washrocks are present along the headland.

Site Strategies:**Site Validation Level: 0**

Strategy: 2-201.1 Objective: Prevent oil from stranding on rocky shoreline and contaminating seabird and marine mammal use areas.

Strategy: This site is difficult to protect as is most of the outer coast. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at this site.

- 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

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Strategy: 2-201.2 Objective: Prevent oil from stranding on rocky shoreline and contaminating seabird and marine mammal use areas.

Strategy: If sea conditions allow:

- a) Deploy ocean boom off north or south points (1000 ft each) of headland to deflect oil away. Deploy boom off rocky points near seal haulout coves to deflect oil from pocket beaches.
- b) Deploy 500 ft of ocean deflection boom from Chimney Rock area easterly into Drakes Bay to deflect oil away from rocky intertidal shore along the inside of the headland.
- c) Waters inside Drakes Bay, in the lee of the headland, are often calm, however the currents are variable and unpredictable. Use 18" curtain boom at proper angles to the current to keep oil off the shore using the piers and mooring bouys as anchors if necessary.
- d) Use 50ft of Oil Snare (OS) and/or 100ft of sorbent boom to collect any oil that may accumulate. Contact IC if oil accumulates in skimmable quantities.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Boom	Oil Snare (pom-pom)			3050	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	30 lb		30		
Vessel	Boom Boat			1		
Vessel	Skiff			1		
Staff	Staff to Deploy			10		

Strategy: 2-201.3 Objective: Oil Recovery by skimming

Strategy: If oil accumulates in skimmable quantities as a result of strategies .1 or .2, deploy skimmers from vessels or piers using boom to deflect and contain oil. Contact IC prior to initiation of this recovery strategy.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	self propelled			1		
Vessel	Skiff			1		
Staff	Staff to Deploy			5		

Logistics:

Directions: From San Francisco take Hwy 101 North to Sir Francis Drake Blvd in San Rafael, go west to Olema. Turn north (right) on Hwy 1, go 2 miles and take a left on Sir Francis Drake Blvd through Inverness. Continue on Sir Francis Drake to the headlands and Lighthouse.

Land Access: Access to shoreline is difficult if not impossible. Contact NPS Personnel for access.

On-Water Limitations: Large surf and swell, washrocks. Beach landings possible. Small boat launch on north side of headland at lifeboat station.

Facilities, Staging Areas, Command Posts, Available Equipment: Coordinate with NPS Personnel. Staging at Lifeboat station on north side of Pt. Reyes headland. Deploy skimmers from vessel, pier, or shore.

Communications Problems: Cell reception varies.

