

4-320-A Site Summary - Diablo Canyon Nuclear Power Plant**4-320-A****County :** San Luis Obispo **ACP Division/Segment :** SL - H - S 001**NOAA Chart :** 18703**Map Book :** 345 A-4**Decimal Degrees** 35.20771 -120.85474**Site Description:**

PG&E Diablo Canyon Nuclear Power Plant property (first priority protection per ACP; also an Economic Sensitive Site rank D); Security Zone is a 2,000 yard radius from the Diablo Canyon Power Plant. Cove has a riprap jetty, rocky intertidal habitat, off-shore rocks (part of the Coastal National Monument under BLM jurisdiction), and a small pocket gravel beach. Power plant intake is 10 ft. below MLLW water surface. 2,000,000 gal/min outflow, discharge may help "push" oil outside of cove. Discharge temp is 75 degrees, which could cause a convergence zone that could impact oil movement. There are large waves here, and shoreline is very rocky. Site is within Point Buchon State Marine Conservation Area and Marine Reserve MPA, fisheries management areas that extend 3 miles offshore, and is governed by special protections established by the DFW Marine Region. Species of concern are present year round. Designated critical habitat for leatherback sea turtles and black abalone. High concentrations (800 - 1,000 animals) of harbor seals and California sea lions haulout on this platform. Elephant seals and Steller sea lions have also been observed here during winter in low numbers. Southern sea otters common offshore and in intake and outfall areas. Pigeon guillemots, western gulls, brandts cormorants, pelagic cormorants grebes, loons, scoters, and hundreds of brown pelicans.

Resources at Risk:*ESI and Habitat:* 1B Exposed solid man-made structures

6B Riprap

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

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	brown pelican		Year-round
Mammals	harbor seal	FP	Year-round
Mammals	California sea lion	FP	Year-round
Mammals	Steller sea lion	FT	May - Jul
Mammals	Southern sea otter	FT, SP	Year-round
Mammals	elephant seal		Mar - Dec
Reptiles	leatherback sea turtle	FE	Aug - 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:**Additional Site Summary Comments:**

Harbor seals pup March - June; California sea lions pup May - June; Steller sea lions pup May-July; southern sea otters pup year-round; leatherback sea turtles most commonly observed August - November.

Concerns and Advice to Responders:

Oil penetration through riprap jetty is a concern; consider lining jetty with containment boom. Black abalone (endangered) may be present on nearby rocky intertidal habitat (designated critical habitat). Leatherback sea turtles (designated critical habitat) extends from shore out to 100 miles offshore; most commonly observed Aug - Nov. Site is within Point Buchon State Marine Conservation Area and Marine Reserve MPA, fisheries management areas that extend 3 miles offshore, and is governed by special protections established by the DFW Marine Region.

Hazard and Restrictions:

This shoreline landward of Lion Rock is owned by PG&E Diablo Canyon Nuclear Power Plant and they will have to be contacted for shoreline access issues (e.g. potential staging areas). Water from plant is discharged at 2,000,000 gal/min which may push (keep) oil outside cove.

Site Strategies:

Strategy: 4-320.1 Objective: Deploy Containment Boom

Strategy: Place harbor boom inside and across mouth of jetties and line inside of both jetties with containment boom to reduce oiling of riprap. Check/maintain boom. Crane pad exists at boat launch, 12 ton crane may be used to launch skimmer, boom, etc.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor			1000	feet	
boat	Boom Boat			2		
skimmer				1		
Staff				6		

Strategy: 4-320.2 Objective: Deploy Containment Boom

Strategy: Taking advantage of the power plant water intake suction, angle boom inward from each jetty, placing skimmer barge at boom apex. Crane pad exists at boat launch, 12 ton crane may be used to launch skimmer, boom, etc.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			400	feet	
boat				2		
skimmer				1		
Staff				6		

Strategy: 4-320.3 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

Strategy: For offshore rocks and rocky intertidal: Open water containment and skimming is the preferable to cleanup after oil impact. Containment in conjunction with offshore recovery techniques, and consideration of the early use of A.R.T.'s, are options to protect this shoreline habitat. Heavy surf may hinder these operations.

Table of Response Resources

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Logistics:

Directions: From the south: Take Hwy 101 N to the Avila Beach Dr. exit. Take Avila Beach Dr. almost to the end to the PG&E Diablo Canyon Nuclear Power Plant entrance. The power plant is approx. 7 miles away. From the north: Take Hwy 101 S (or Hwy 5 S to Hwy 41 W to Hwy 46 W to Hwy 101 S) to Avila Beach exit, San Luis Bay Dr. Take San Luis Bay Dr. to stop sign, turn right on Avila Beach Dr., follow directions above.

Land Access: Foot access stairs to beach in discharge cove, boat, private road.

On-Water Limitations: Limitations: Launching, Loading, Docking and Services Available: Small boat ramp at power plant, or at Port San Luis.

Facilities, Staging Areas, Command Posts, Available Equipment: PG&E kelp cutter available, PG&E crane available to

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lower boats at boat launch. Staging Area: At power plant or Port Port San Luis Harbor. Command Post: Port San Luis Harbor (805) 595-5400. CDFW office in San Luis Obispo. Airports: SLO County Airport is approx. 20 min.

Communications Problems: None.



Imagery: NAIP 2010 (Summer) 4-Band