

County: San Diego **ACP Division/Segment:** SD - C - S011 SD - C - S012**NOAA Chart :** 18774**Map Book :** 1106 E7**Decimal Degrees :** 33.1425 -117.3275**Site Description:**

The lagoon entrance is approximately 200 feet wide. Agua Hedionda is a large coastal lagoon with a substantial tidal prism that is augmented by large amounts of water used in the power plants flow-through cooling system. The lagoon has 3 basins that are connected to the ocean by narrow channels. The lagoon extends eastward and inland about 1.5 miles. The lagoon is man-made, and while most of the outer basin shoreline is riprap there are extensive intertidal mudflats in the inner basins. The lagoon is also used for aquaculture and nearly year-round water contact recreational activities.

Resources at Risk:*ESI and Habitat:* 8C Sheltered riprap

3A Fine to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	Belding's savannah sparrow	SE	Year-round
Birds	light-footed Ridgway's rail	FE, SE	Year-round
Birds	Western snowy plover	FT	Year-round
Birds	California least tern	FE, SE	Feb - Sep

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	Dr. Seth Mallios/	South Coastal Information Center	(619) 594-5682
O	Orange Control Center/	Sante Fe Pipeline	(213) 624-9461
T	/	CA Dept of Fish and Wildlife	(858) 467-4201
T	/Southern Comms. Center (SURCOM) 24-hr	CA State Parks	(951) 443-2944
T	/	Cabrillo Power	(760) 268-4018
T	/	Encina Power Plant General Number	(760) 268-4000
T	On Call/Spill Coordinator	US Fish Wildlife Service Carlsbad 24 hour	(760) 607-9768

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:

Access to the lagoon is controlled by Cabrillo Power.

Hazard and Restrictions:

An oil pipeline crosses over the middle lagoon. Contact Santa Fe Pipeline (213) 624-9461 or (213) 624-9462.

Site Strategies:

Strategy: 6-255.1 Objective: Exclusion boom the river mouth to prevent upstream movement of oil.

Strategy: The initial line of defense is a deflection boom configured to create a double-sided channel to strand petroleum on the shoreline in the outer lagoon and stop the spread into the inner basins and the power plant intake. Shore side access from the power plant will allow for the operation of an oil skimmer to collect floating oil. The northeastern boom segment is 1,400 feet long, and the southwestern boom segment is 2,100 feet long. This strategy will require round-the-clock on water management.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			3500	feet	
Anchor	Danforth	25 lb		10		
Vessel	Boom Boat			2		
Skimmer				1		
Staff	Staff to Deploy			8		

Strategy: 6-255.2 Objective: Boom the middle lagoon and strand oil on the beach.

Strategy: Anchor boom on the southern bank of the middle lagoon (away from the turbulent flows in the channel) to the sandy beach adjacent to the I-5 freeway. The boom should be secured on both ends using either danforth anchors or tied off to an appropriate anchoring point.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			700	feet	<i>Strategy Updated:</i> <i>Last Test: 8/15/2012</i>
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 6-255.3 Objective: Direct oil to a skimmer for collection on incoming tides.

Strategy: Anchor two sections of boom from either side of the channel and form a "V" shaped funnel to direct the oil to a floating skimmer for collection.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			1000	feet	<i>Strategy Updated:</i> <i>Last Test: 5/9/2017</i>
Skimmer				1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Logistics:

Directions: Equipment can be deployed from the shoreline east of Pacific Coast Highway and south of the lagoon

Land Access: All access is available.

On-Water Limitations: Not practical from the Pacific Ocean. There are boat ramps at the power plant and at Snug

Facilities, Staging Areas, Command Posts, Available Equipment: Staging areas are found off Pacific Coast Highway on the

Communications Problems:

Additional Operational Comments: The power plant and the two aquaculture facilities should be notified immediately.

