

**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 for desalinization. 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	Sensitivity
Birds	Belding's savannah sparrow	SE	Year-round	
Birds	Light-footed Ridgway's rail	FE, SE	Year-round	
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Feb - Sep	
Birds	coastal California gnatcatcher	FT, SSC	Year-round	
Fish	tidewater goby	FE, SSC	Variable	
Plants	Nuttall's lotus	SR	Variable	
Plants	estuary seablite	SR	Year-round	
Plants	coast woolly-heads	SR	Variable	

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	South Coastal Information Center	(619) 594-5682
E	/Main Office	Carlsbad Desalination Plant	(760) 655-3900
O	/Houston Control Center	Kinder Morgan	(213) 624-9461
T	Gabriel Penaflor/Reserve Manager	California Department of Fish and Wildlife	(858) 467-4249
T	/San Diego Coast District	California State Parks	(619) 688-3260
T	/Southern Communication Dispatch	California State Parks	(951) 443-2969
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service, Carlsbad Office	(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:**

The desalination plant and two aquaculture facilities should be notified immediately. Desalinization water quality must be less than 1,000 ppm for petroleum products or the plant can't operate.

**Concerns and Advice to Responders:**

Access to the lagoon is controlled by the Claude "Bud" Lewis Carlsbad Desalination Plant.

**Hazard and Restrictions:**

An oil pipeline crosses over the middle lagoon. Contact Kinder Morgan Pipeline (213) 624-9461.

**Site Strategies:****Site Validation Level: V****Strategy: 6-255.1 Objective:** Exclude 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. 6-255.1 strategy was deployed and modified into a "V" formation like 6-255.3 during the Pipeline P00547 Incident. Minimal oil was encountered and skimmer was on standby, not deployed.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			3500	feet	<i>Strategy Updated:</i> <i>Last Test:</i> 10/3/2021
Anchor	Danforth	25 lb		10		
Vessel	Boom Boat			2		
Skimmer				1		
Staff	Staff to Deploy			8		

**Strategy: 6-255.2 Objective:** Exclude Oil

*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:</i> 8/15/2012
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Strategy: 6-255.3 Objective:** Collect Oil with Skimmer

*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:</i> 5/9/2017
Skimmer				1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Logistics:**

*Directions:* Equipment can be deployed from the shoreline east of PCH and south of the lagoon entrance channel.

*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 Harbor. Contact Carlsbad Desalination Plant personnel for access approval.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Staging areas are found on the western shore of the lagoon and at the northern jetty public parking lot.

*Communications Problems:* None.

*Additional Operational Comments:*



CDFW - OSPR & USCG Site: 6-255 Name: Agua Hedionda Lagoon

A. Caputo (OSPR) & D. Lyons (OSPR) Date: 3/6/2023

----- Harbor Boom