

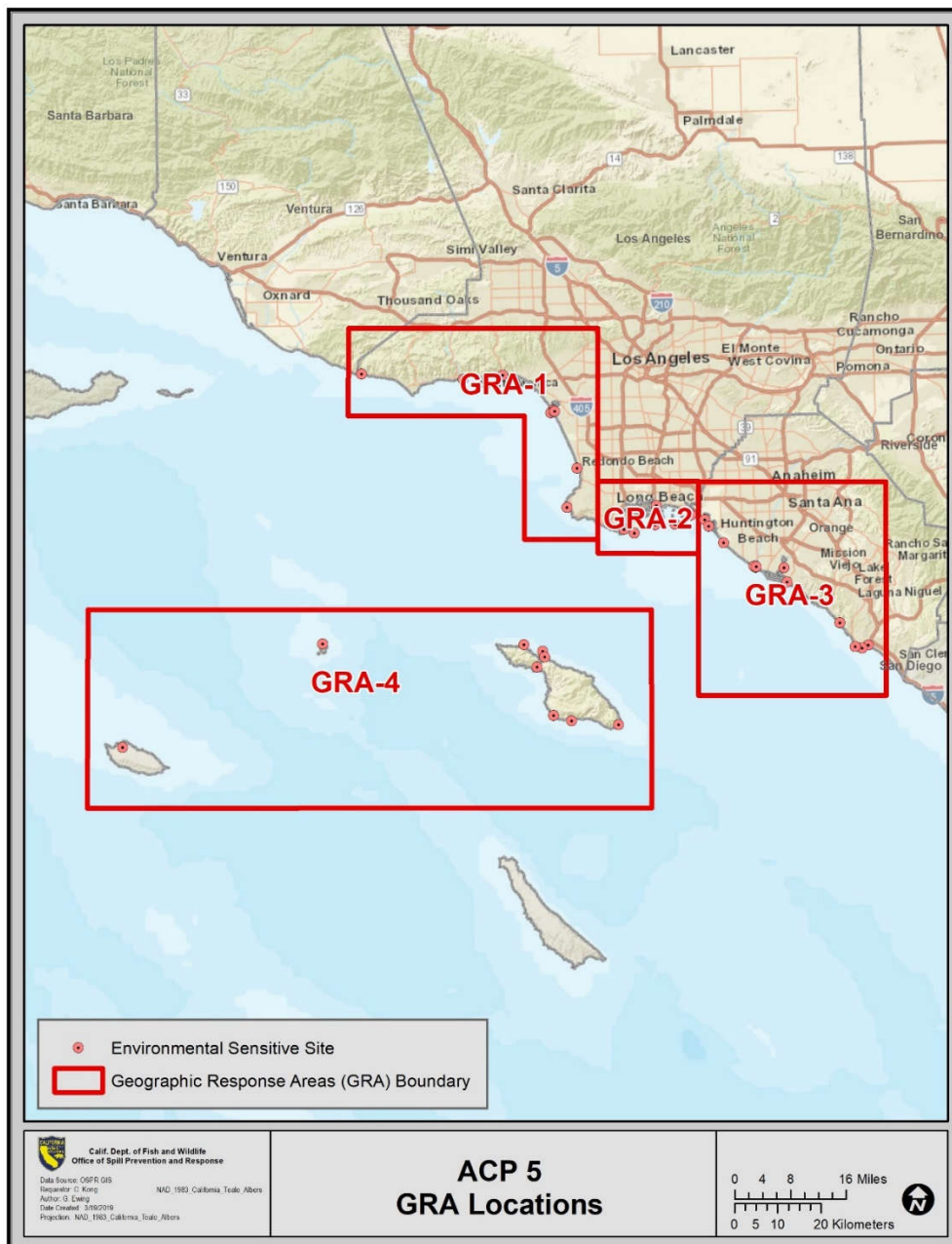
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9815 ACP 5 LA/LB South Introduction

ACP 5 covers the marine shoreline of Los Angeles County, Southern Channel Islands, and Orange County. The Los Angeles County shoreline is divided into 2 geographic areas (GRA 1 and 2) for response, and the Southern Channel Islands are their own stand-alone geographic area (GRA 4) for planning purposes. The Orange County shoreline is its own geographic response area (GRA3).

In geographic terms, Los Angeles County is the eleventh largest county in California, including 693 square miles of water surface area. Orange County is the smallest county in Southern California, including 157 square miles of water surface area. The coastline of Los Angeles and Orange Counties are primarily developed and consists of public beaches, small businesses, marinas, and residential homes. The Ports of Los Angeles and Long Beach located in GRA 2 are the largest container ports in the United States.



9816 Los Angeles County (GRAs 1, 2 and 4)

Los Angeles County GRAs 1 and 2 begin at the border of Ventura and Los Angeles Counties and extend south approximately 60 miles to the border of Orange County. Most of the shoreline in these GRAs is fine grain sandy beach habitat with several areas of lagoons and wetlands. Western snowy plovers and California least terns use these beaches for wading, foraging, and nesting activities. Information on beach nesting bird concerns can be found in the site 5-000 ACP 5 Sandy Beaches. GRA 4 consists of the South Channel Islands (Santa Catalina, Santa Barbara, San Nicolas) which have 98 square miles of land surface area. Santa Barbara Island is part of the Channel Islands National Park. These islands hold significant biological, archaeological, and cultural resources that are at risk from oil spills which include federal and state listed endangered species, large sea bird and marine mammal populations, Native American archeological sites, and shipwrecks.

Access to GRAs 1 and 2 is available shoreside from most State Beach parking lots and city streets. Access to GRA 4 is limited by boat and aircraft. The nearest harbors are located in the cities of Santa Barbara, Ventura, Los Angeles, and Long Beach. Conditions in the Santa Barbara Channel and adjacent to the islands are variable and the ocean is unforgiving and only experienced captains with vessels capable of withstanding severe weather are advised to make the cross-channel passage. Aircraft usage to the islands is difficult due to complex take-off and landing conditions as well as biological restrictions.

9816.1 Response Summary Tables

The Geographic Response Strategies for Environmental Sensitive Sites in GRA 1 and 2 consist mainly of utilizing boom to close river mouths to prevent upstream migration of oil. The Geographic Response Strategies for Environmental Sensitive Sites in GRA 4 consist mainly of open water containment or usage of ART to prevent shoreline impacts due to high wave energy and rocky conditions at these sites.

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

Summary of ACP 5 GRA 1 Response Resources by Site and Sub-Strategy

Site **Site Name**

Sub-Strategy **PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT**

	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-105 Arroyo Sequit Creek				
.1 - Exclude Oil				
	Heavy Equipment	Backhoe		1
	Staff	Staff to Deploy		2
.2 - Exclude Oil				
	Misc.	Stakes		8
	Staff	Staff to Tend		2
	Staff	Staff to Deploy		4
	Vessel	Skiff or Punt		2
	Boom	Harbor Boom	18 or 24 inch	300 feet
	Boom	Sorbent Boom		300 feet
.3 - Exclude Oil				
	Other Boom	Pom-pom		200 feet
	Staff	Staff to Deploy		6
	Misc.	Stakes		12
	Misc.	Fencing		200 feet
	Staff	Staff to Tend		2
5-110 Malibu Lagoon Coastal Wetland				
.1 - Exclude Oil				
	Boom	Intertidal		500 feet
	Vessel	Skiff or Punt		2
	Staff	Staff to Deploy		4
	Staff	Staff to Tend		2
.2 - Exclude Oil				
	Boom	Harbor Boom	18 or 24 inch	800 feet
	Staff	Staff to Tend		2
	Boom	Sorbent Boom		1200 feet
	Staff	Staff to Deploy		8
	Vessel	Skiff or Punt		2
.3 - Exclude Oil				
	Staff	Staff to Tend		2
	Misc.	Fencing		2000
	Misc.	Stakes		12
	Other Boom	Pom-pom		2000
	Staff	Staff to Deploy		10
5-115 Topanga Creek				
.1 - Exclude Oil				
	Staff	Staff to Deploy		2
	Bulldozer	Backhoe		1
.2 - Exclude Oil				
	Staff	Staff to Tend		2
	Boom	Harbor Boom	18 or 24 inch	200 feet
	Boom	Sorbent Boom		200 feet
	Vessel	Boom Boat or Skiff		2
	Staff	Staff to Deploy		4
	Stakes	Stakes		8
.3 - Exclude Oil				
	Staff	Staff to Deploy		6
	Stakes	Stakes		12
	Staff	Staff to Tend		2
	Fence	Fencing		200 feet
	Misc.	Pom-pom		200 feet
5-120 Venice Beach				
.1 - Other: See Strategy Box				
	Staff	Natural Resource Specialist		1
5-130 Marina Del Rey Breakwater				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				

Site Site Name

Sub- PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Strategy

	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-140	Ballona Creek			
.1 - Exclude Oil				
	Boom	Harbor Boom	18 or 24 feet	600 feet
	Vessel	Boom Boat		1
	Staff	Staff to Deploy		4
	Anchor	Danforth	40 lb	1
5-150	Ballona Lagoon Wetlands, Del Rey Lagoon			
.1 - Exclude Oil				
	Staff	Staff to Deploy		1
.2 - Exclude Oil				
	Staff	Staff to Deploy		2
	Sandbags			
	Inflatable Plug			1
5-160	King Harbor Breakwater			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
5-170	Palos Verdes Peninsula			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				

Summary of ACP 5 GRA 2 Response Resources by Site and Sub-Strategy

Site	Site Name	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT		
Sub-Strategy	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-210 Cabrillo Beach Wetlands				
.1 - Exclude Oil				
	Staff	Staff to Deploy		2
	Boom	Harbor Boom	18 or 24 inch	100 feet
.2 - Exclude Oil				
	Vessel	Boom Boat		1
	Boom	Harbor Boom	18 or 24 inch	1500 feet
	Anchor	Danforth	40 lb	5
	Staff	Staff to Deploy		4
5-220 Los Angeles Harbor Breakwater				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
5-230 Middle Breakwater				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
5-240 Long Beach Harbor Breakwater				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
5-250 Golden Shore Marine Reserve				
.1 - Exclude Oil				
	Staff	Staff to Deploy		2
	Vessel	Skiff or Punt		1
	Boom	Sorbent Boom	10 inch	200 feet
	Boom	Harbor Boom	18 or 24 inch	200 feet
	Anchor	Danforth	40 lbs	1
.2 - Exclude Oil				
	Boom	Harbor Boom	18 or 24 inch	2000 feet
	Anchor	Danforth	40 lbs	10
	Vessel	Boom Boat or Skiff		2
	Staff	Staff to Deploy		5
5-260 Alamitos Bay/Los Cerritos Wetlands				
.1 - Exclude Oil				
	Vessel	Boom Boat		1
	Boom	Harbor Boom	18 or 24 inch	800 feet
	Staff	Staff to Deploy		2
.2 - Exclude Oil				
	Anchor	Danforth	40 lb	1
	Staff	Staff to Deploy		2
	Vessel	Boom Boat		1
	Boom	Harbor Boom	18 or 24 inch	500 feet
.3 - Exclude Oil				
	Anchor	Danforth	40 lb	1
	Staff	Staff to Deploy		2
	Vessel	Boom Boat		1
	Boom	Harbor Boom	18 or 24 inch	400 feet
5-270 San Gabriel River				
.1 - Exclude Oil				
	Vessel	Skiff or Punt		1
	Boom	Harbor Boom	18 inch	500 feet
	Staff	Staff to Deploy		6
.2 - Exclude Oil				
	Staff	Staff to Deploy		2
	Boom	Harbor Boom	18 inch	100 feet
	Vessel	Skiff or Punt		1

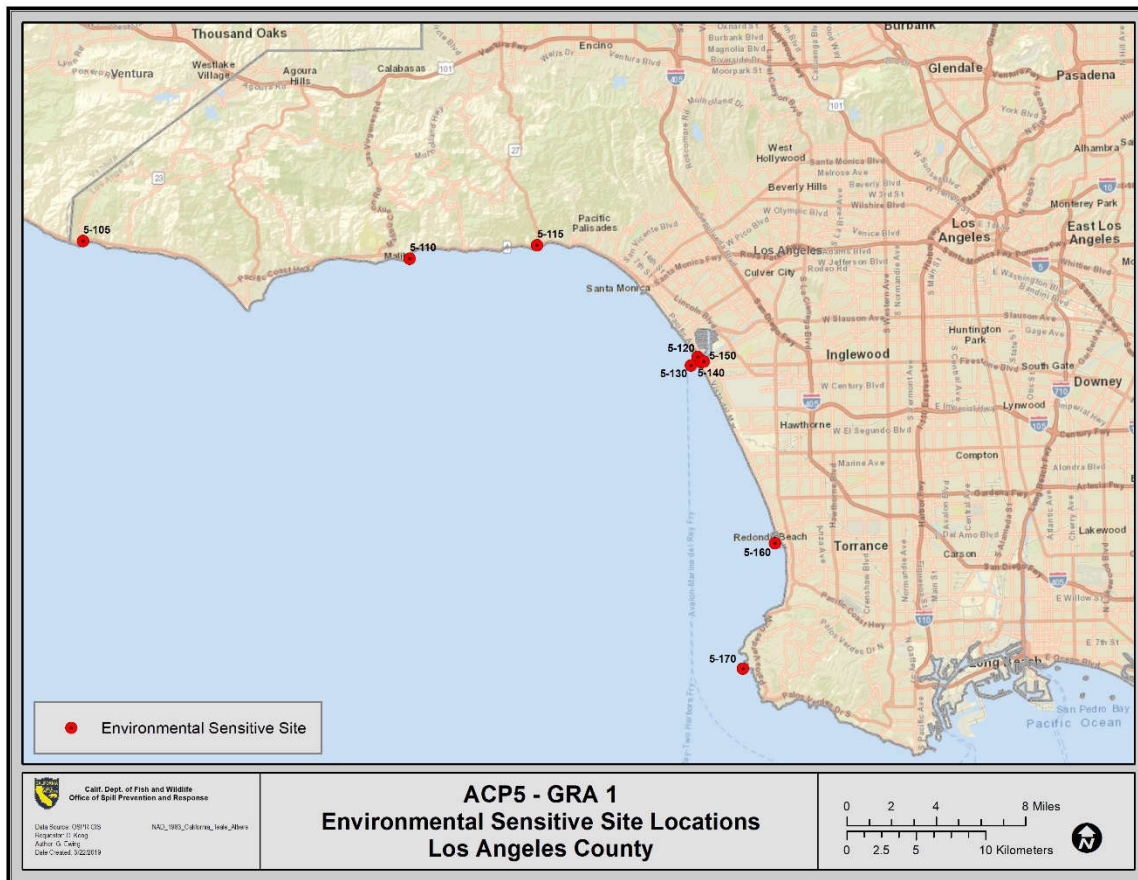
Summary of ACP 5 GRA 4 Response Resources by Site and Sub-Strategy

Site	Site Name	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT		
Sub-Strategy	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-410	Arrow Point - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-420	Catalina Island Harbor - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
.2 -	Collect Oil with Skimmer			
	Boom	Harbor Boom	18 or 24 inch	1500 feet
	Anchor	Danforth	40 lbs	1
	Staff	Staff to Deploy		4
	Vessel	Skiff		1
	Anchor	Shore Anchors		2
	Vessel	Boom Boat		1
5-430	Ship Rock - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-440	Bird Rock - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-450	China Point - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-460	Salta Verde Point - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-470	Seal Rocks - Catalina Island			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			

Summary of ACP 5 GRA 5 Response Resources by Site and Sub-Strategy

<i>Site</i>	<i>Site Name</i>			
Sub-Strategy	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT			
	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-510	<i>San Nicolas Island</i>			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-550	<i>Santa Barbara Island</i>			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			

9816.2 Geographic Response Strategies for Environmental Sensitive Sites



Index Map – GRA 1, Santa Monica Bay Environmental Sensitive Sites

9816.2.1 GRA 1 Site Index

Site #	Site Name	Page #
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5-150-A	Ballona Lagoon Wetlands/Del Rey Lagoon	649
5-160-A/C	King Harbor Breakwater	652
5-170-A	Palos Verdes Peninsula	654

County : Los Angeles**ACP Division/Segment :****NOAA Chart :** 18740**Map Book :****Decimal Degrees :****Site Description:**

Western snowy plover and California least tern nesting sites are seasonally occupied at various coastal beach sites. Western snowy plovers also maintain a year round presence with nesting from March to September. Beach nesting birds may have active nests, or chicks may be actively moving about the described area. All responders should be careful to minimize disturbance and to avoid causing injury to nests and chicks. Response activities must be planned and monitored to prevent injury to both birds and habitat.

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

	Resource Name	Status	Presence
Birds	California least tern	FE, SE	Apr-Sep
Birds	Western snowy plover	FT	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Los Angeles County Fire Department	(323) 881-2455
O	/	Los Angeles County Lifeguard, Big Rock to Ball	(310) 394-3261
O	/	Los Angeles County Lifeguard, Redondo Beach	(310) 372-2162
O	/	Los Angeles County Lifeguard, Zuma/Malibu	(310) 457-2525
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	/Angeles District Office	California State Parks	(818) 880-0363
T	/Orange Coast District	California State Parks	(949) 492-0802
T	/Office	California State Parks, Malibu Sector	(310) 457-8143
T	Joe Dillon/	NOAA National Marine Fisheries Service	(707) 575-6093
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

Western snowy plovers are small, sparrow-sized white and tan colored shorebirds. California least terns are small, gull-like, gray, white and black colored diving birds. Western snowy plovers conceal their nests in the upper rack line above the high tide line while California least terns generally nest on open beaches and/or along estuary shorelines. Nests are usually constructed on loose sand, and are easily stepped on due to their very cryptic nature. Chicks are known to run between nests and the waterline. Western snowy plover adults forage while wading along the shoreline. California least tern adults dive into the water to forage in shallow, nearshore areas of the open coast, embayments, estuaries, and dune lakes.

Concerns and Advice to Responders:

Western snowy plover and California least tern bird-nesting sites are typically shallow depressions scratched out from the sand surface on sandy beaches above the highest tide line. The nest sites are typically very well disguised and difficult to see. Nest sites may contain either eggs, or chicks which are potentially vulnerable to trampling by vehicles or foot traffic. Western snowy plover adults and chicks, and California least tern chicks are known to move between the nest sites and the active water line. Over-wintering Western snowy plover adults may be foraging throughout the response area. To aid in avoiding damage to nests, consider delineation of nesting areas and designating responder "pathways" in discussion with Trustee Agencies and/or the local land manager and their biological monitors. Monitors should be present to observe and prevent any disturbance to birds/nests caused by operations. Vehicle travel on beach should be restricted to wet sand if possible; and should be slow enough to avoid and minimize impacts to wildlife (not to exceed 15 MPH).

Hazard and Restrictions:

Watch weather and sea conditions. Strong surf.

Site Strategies:

Strategy: 5-000.1 Objective: Shoreline Pre-Clean: Resource Specialist Supervision Required

Strategy: After approval only, pre-clean beach with hand crews to move and store kelp, driftwood, and vegetative debris above high-tide line. Collect and properly dispose of trash. Redistribute wrack after response efforts are completed. The areas to be protected should be monitored by an assigned biological monitor. Heavy equipment and 4WD vehicles may be used pending approval.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY Unit	Last Page Update
Staff	Natural Resource Specialist				

Strategy: 5-000.2 Objective: Other: See Strategy Box

Strategy: In consultation with USFWS and CDFW, Western snowy plover or California least tern eggs may be removed from nests by authorized and qualified personnel and taken to an approved facility to reduce injury.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY Unit	Last Page Update
Staff	Natural Resource Specialist				

Logistics:

Directions: Most access from Pacific Coast Highway (PCH or Highway 1).

Land Access: Refer to coastal access mapping information to describe the best access point for response and natural resource protection. Access by crews and equipment should occur only through areas specifically designated by authorized monitoring personnel. Access points shall be minimized by size and number to reduce impacts. Site specific information will be developed during a response effort.

On-Water Limitations:

Facilities, Staging Areas, Command Posts, Available Equipment: All facilities should be selected to minimize disturbances and impacts to wildlife. All responders will be briefed on procedures for avoiding birds and nest sites.

Communications Problems: None.

Additional Operational Comments: Beaches may be pre-cleaned if given prior authorization. Some beaches have designated fenced areas for nesting. Individual Environmentally Sensitive Sites may have additional Western snowy plover and California least tern information.

5-105-A Site Summary - Arroyo Sequit Creek**5-105-A****County :** Los Angeles **ACP Division/Segment :** LA - A - S001**NOAA Chart :** 18740**Map Book :** 625 H6**Decimal Degrees :** 34.04656 -118.93383**Site Description:**

Small creek mouth forms behind beach berm following seasonal rainfall. During the dry season (May-October) sand berm prevents creek flow into the ocean. During the rainy season (November-April) the sand berm is typically breached by creek runoff and/or tidal flows.

Resources at Risk:*ESI and Habitat:* 5 Mixed sand and gravel beaches**List of Resources at Risk:**

	Resource Name	Status	Presence
Birds	California brown pelican		Apr - Nov
Birds	seabirds		Year-round
Birds	shorebirds		Year-round
Birds	waterfowl		Sep - May
Fish	steelhead - Southern California	FE	Year-round
Fish	intertidal fish		Year-round
Fish	juvenile fish		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	Jonathan Bishop/	California Coastal Commission	(415) 693-8375
T	James Weigand/Ecologist	Bureau of Land Management, Coastal Natl. Monum	(916) 978-4656
T	/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(805) 748-6870
T	Mary Larson/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(562) 537-8624
T	/Angeles District Office	California State Parks	(818) 880-0363
T	/Office	California State Parks, Malibu Sector	(310) 457-8143
T	Rick Bush/Fisheries Biologist	NOAA National Marine Fisheries Service	(562) 980-3562
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:

Concerns and Advice to Responders:

Protect endangered and sensitive species and habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the habitat through response activities.

Hazard and Restrictions:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along Pacific Coast Highway.

Site Strategies:

Strategy: 5-105.1 Objective: Exclude Oil

Strategy: Construct berm across mouth of creek utilizing on-site sand and/or imported material. Install underflow piping in berm to allow outflow of creek water. Cover berm with plastic sheeting to minimize erosion. Back berm with 10" swamp boom and sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Heavy Equipment	Backhoe			1		
Staff	Staff to Deploy			2		

Strategy: 5-105.2 Objective: Exclude Oil

Strategy: Deploy shallow water boom across the inlet of the creek south of PCH and north of berm. Boom configuration should be placed to direct the collection of oil. Back shallow water boom with sorbent boom. If oil is present, line the collection area with sorbent boom to minimize oiling.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		300	feet	<i>Strategy Updated: 8/18/2015</i>
Boom	Sorbent Boom			300	feet	<i>Last Test: 8/18/2015</i>
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		
Misc.	Stakes			8		
Vessel	Skiff or Punt			2		

Strategy: 5-105.3 Objective: Exclude Oil

Strategy: Construction of a filter barrier (excellior fence) to protect from wash over.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Other Boom	Pom-pom			200	feet	
Misc.	Stakes			12		
Misc.	Fencing			200	feet	
Staff	Staff to Deploy			6		
Staff	Staff to Tend			2		

Logistics:

Directions: From Pacific Coast Highway in Malibu go north to Leo Carrillo State Beach at 35000 Pacific Coast Highway.

Land Access: Access from Leo Carrillo State Beach parking lot at 35000 Pacific Coast Highway.

On-Water Limitations: Shallow creek and rocky point with limited water access. No boat ramps. Launch punts from sandbar at mouth of creek.

Facilities, Staging Areas, Command Posts, Available Equipment: Parking and staging in State Beach parking lot. There is street and off-street parking along Pacific Coast Highway.

Communications Problems: Possible limited cell phone coverage based on local provider.



5-110-A Site Summary - Malibu Lagoon Coastal Wetland**5-110-A****County :** Los Angeles **ACP Division/Segment :** LA - C - S001**NOAA Chart :** 18744**Map Book :** 629 A7**Decimal Degrees :** 34.0324 -118.6798**Site Description:**

Coastal lagoon and wetlands complex. Entrance to sea is often closed by sand berm during low rainfall seasons.

Resources at Risk:

ESI and Habitat: 10A Salt - and brackish-water marshes

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California brown pelican		Year-round
Birds	seabirds		Year-round
Birds	shorebirds		Year-round
Birds	waterfowl		Year-round
Fish	steelhead - Southern California	FE	Nov-Apr
Fish	tidewater goby	FE	Year-round
Fish	juvenile fish		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Los Angeles County Lifeguard, Zuma/Malibu	(310) 457-2525
T	/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(805) 748-6870
T	Mary Larson/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(562) 537-8624
T	/Angeles District Office	California State Parks	(818) 880-0363
T	/Office	California State Parks, Malibu Sector	(310) 457-8143
T	Rick Bush/Fisheries Biologist	NOAA National Marine Fisheries Service	(562) 980-3562
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

Hazard and Restrictions:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along Pacific Coast Highway.

Site Strategies:**Strategy: 5-110.1 Objective:** Exclude Oil

Strategy: A complete closing off of the Malibu Creek Inlet by means of intertidal boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Intertidal			500	feet	<i>Strategy Updated:</i> <i>Last Test:</i>
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 5-110.2 Objective: Exclude Oil

Strategy: Deflection boom or booms in cascade pattern to move oil to a collection point for a skimmer. Sorbent booms can be placed on the shoreline to help in the cleanup. If oil does reach the shorelines then mechanical, manual removal, or cleaning of impacted area may become necessary.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		800	feet	<i>Strategy Updated:</i> 11/1/2018 <i>Last Test:</i> 11/1/2018
Boom	Sorbent Boom			1200	feet	
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			8		
Staff	Staff to Tend			2		

Strategy: 5-110.3 Objective: Exclude Oil

Strategy: Construction of a filter barrier (excellior fence) if there is a shortage of sand to protect from high tides or waves.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Other Boom	Pom-pom			2000		
Misc.	Stakes			12		
Misc.	Fencing			2000		
Staff	Staff to Deploy			10		
Staff	Staff to Tend			2		

Logistics:

Directions: From Pacific Coast Highway in Malibu go south on Cross Creek Rd. until you reach the State Park parking lot.

Land Access: Access from Pacific Coast Highway, Malibu Colony Road and State Beach parking lot.

On-Water Limitations: Shallow water and heavy vegetation. No boat ramps. Launch punts from sandbar at mouth of the lagoon.

Facilities, Staging Areas, Command Posts, Available Equipment: Parking and staging in State Park parking lot. There is street and off-street parking along Pacific Coast Highway near Surfrider County Beach.

Communications Problems:



County: Los Angeles **ACP Division/Segment:** LA - C - S008**NOAA Chart :** 18744**Map Book :** 630 D6**Decimal Degrees :** 34.03988 -118.58013**Site Description:**

Small creek mouth backed by intermittent lagoon system that forms behind beach berm after seasonal rainfall. During the dry season (May-October) a sand berm is present which prevents creek flow into the ocean. During the rainy season (November-April) the sand berm is typically breached by creek runoff and/or tidal flows.

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

	Resource Name	Status	Presence	Sensitivity
Birds	California brown pelican	FP, SP	Apr - Nov	
Birds	seabirds		Year-round	
Birds	shorebirds		Year-round	
Birds	waterfowl		Year-round	
Fish	intertidal fish		Year-round	
Fish	steelhead - Southern California	FE	Nov-Apr	
Fish	tidewater goby	FE, SSC	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/Agency Representative, 24-hr	California Coastal Commission	(415) 693-8375
O	/	Los Angeles County Lifeguard, Big Rock to Ball	(310) 394-3261
T	/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(805) 748-6870
T	Mary Larson/Fisheries Biologist	California Department of Fish and Wildlife, Reg 5	(562) 537-8624
T	/Dispatch	California Department of Parks & Recreation	(831) 649-2810
T	/Angeles District Office	California State Parks	(818) 880-0363
T	/Office	California State Parks, Malibu Sector	(310) 457-8143
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

Protect endangered and sensitive species and habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the habitat through response activities.

Hazard and Restrictions:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along Pacific Coast Highway.

Site Strategies:

Strategy: 5-115.1 Objective: Exclude Oil

Strategy: Construct berm across mouth of creek utilizing onsite sand and/or imported material. Install underflow piping in berm to allow outflow of creek water. Cover berm with plastic sheeting to minimize erosion. Back berm with 10" swamp boom and sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Bulldozer	Backhoe			1		
Staff	Staff to Deploy			2		

Strategy: 5-115.2 Objective: Exclude Oil

Strategy: Deploy exclusion boom across the inlet of the creek south of Pacific Coast Highway and north of berm. Boom configuration should be placed to direct the collection of oil. Back boom with sorbent boom. If oil is present line the collection area with sorbent boom to minimize oiling.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		200	feet	<i>Strategy Updated: 8/18/2015</i>
Boom	Sorbent Boom			200	feet	<i>Last Test: 8/18/2015</i>
Vessel	Boom Boat or Skiff			2		
Stakes	Stakes			8		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 5-115.3 Objective: Exclude Oil

Strategy: Construction of a filter barrier (excellior fence) to protect from wash-over.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Misc.	Pom-pom			200	feet	
Staff	Staff to Deploy			6		
Staff	Staff to Tend			2		
Stakes	Stakes			12		
Fence	Fencing			200	feet	

Logistics:

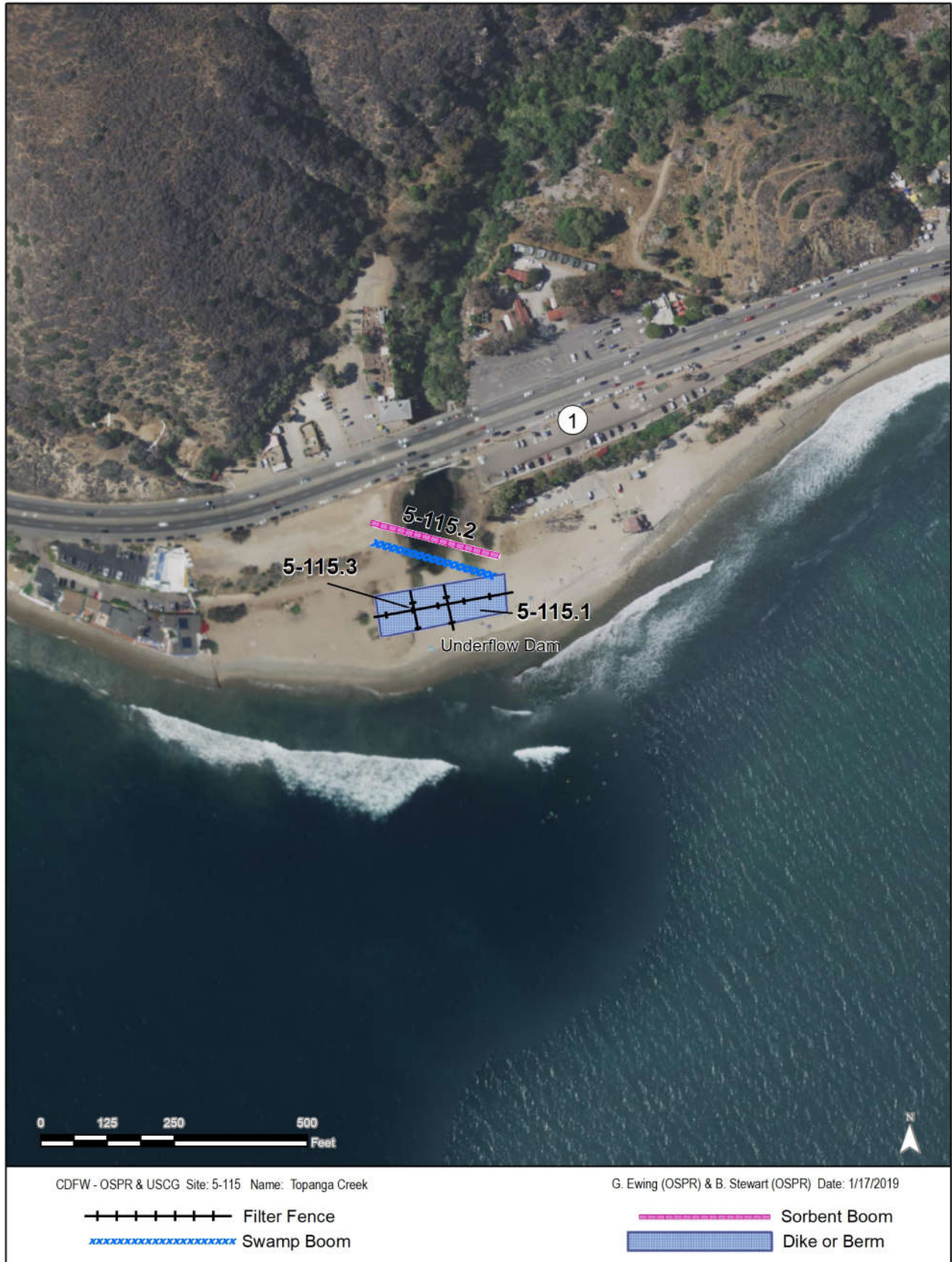
Directions: From Pacific Coast Highway in Santa Monica go north until you reach the County Beach parking lot at the 18700 block of Pacific Coast Highway.

Land Access: Access from Pacific Coast Highway at the County Beach Parking Lot at 18700 Pacific Coast Highway.

On-Water Limitations: Shallow creek and rocky point with limited water access. No boat ramps. Launch punts from sandbar at mouth of the lagoon.

Facilities, Staging Areas, Command Posts, Available Equipment: Parking and staging in County Beach parking lot. There is street and off-street parking along Pacific Coast Highway. Heavy equipment access through lifeguard road.

Communications Problems: Possible limited cell phone coverage based on local provider.



5-120-A Site Summary - Venice Beach**5-120-A****County :** Los Angeles **ACP Division/Segment :** LA - D - S008**NOAA Chart :** 18744**Map Book :** 701 J2**Decimal Degrees :** 33.9659 -118.4566**Site Description:**

Feeding site at fore beach; fenced nesting site on upper portion of beach north of Ballona Creek entrance (Marina Del Rey). Medium-grained sand beach. Western snowy plovers and California least terns both nest above high tide line. Western snowy plover chicks move to wave wash zone after hatching. California least terns forage in offshore waters. Grunion run late February to early September. Grunion lay eggs in sand at highest high tide line. Eggs are vulnerable to oil and beach cleanup.

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

	Resource Name	Status	Presence
Birds	California least tern	FE, SE	Apr - Sep
Birds	Western snowy plover	FT	Apr - Sep
Fish	grunion		Feb - Sep
Fish	intertidal fish		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Los Angeles County Lifeguard, Big Rock to Ball	(310) 394-3261
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered species nesting and feeding habitat. Responders should avoid fenced bird nesting area.

Hazard and Restrictions:**Site Strategies:****Strategy: 5-120.1 Objective:** Other: See Strategy Box*Strategy:* Mark nesting area, avoid disturbances, and look out for oiled birds.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Staff	Natural Resource Specialist			1		

Logistics:

Directions: From Lincoln Blvd. (Highway 1) in Marina Del Rey go west on Washington Blvd. and south on Pacific Ave. until you reach the terminus at Via Marina where there will be a parking lot.

Land Access: Go west from parking area until you reach the fenced least tern area. Access beach from Pacific Ave.

On-Water Limitations:

Facilities, Staging Areas, Command Posts, Available Equipment: Parking at Pacific Ave. and Via Marina.

Communications Problems:

Additional Operational Comments: Access to beach from Pacific Ave.



5-130-A/C Site Summary - Marina Del Rey Breakwater**5-130-A/C****County :** Los Angeles **ACP Division/Segment :** LA - D - S008**NOAA Chart :** 18744**Map Book :** 701 J3**Decimal Degrees :** 33.9605 -118.4617**Site Description:**

Riprap to 10 feet above mean lower low water.

Resources at Risk:*ESI and Habitat:* 6B Riprap**List of Resources at Risk:**

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	seabirds		Year-round
Fishery	spiny lobster - Commercial & Sport		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Los Angeles County Lifeguard, Big Rock to Ball	(310) 394-3261
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered and sensitive species roosting habitat.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:**Strategy: 5-130.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

A) Recommended response strategy is on-water containment and recovery (e.g towed boom arrays).

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:* Boat launch available in Marina Del Rey. From Lincoln Blvd. (Highway 1) in Marina Del Rey go west on Fiji Way. Boat launch located at 13477 Fiji Way in Basin H.*Land Access:* Access by boat only.*On-Water Limitations:* Heavy small boat traffic. All services available.*Facilities, Staging Areas, Command Posts, Available Equipment:**Communications Problems:*



County: Los Angeles ACP Division/Segment: LA - E - S001

NOAA Chart: 18744

Map Book: 702 A2

Decimal Degrees: 33.96251 -118.4537

Site Description:

Riprap lined channel.

Resources at Risk:

ESI and Habitat: 6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California brown pelican	FP, SP	Jun - Oct	
Birds	California least tern	FE, SE	Apr - Sep	
Birds	seabirds		Year-round	
Birds	waterfowl		Sep - 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	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/Dispatch (24hr)	Chevron	(310) 615-5172
O	/	Los Angeles County Lifeguard, Big Rock to Ball	(310) 394-3261
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	Richard Brody/Reserve Manager	California Department of Fish and Wildlife	(310) 455-3243
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered and sensitive species foraging habitat.

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

Strategy: 5-140.1 Objective: Exclude Oil

Strategy: Cross channel booming.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 feet		600	feet	<i>Strategy Updated: 3/8/2022</i>
Anchor	Danforth		40 lb	1		<i>Last Test: 3/8/2022</i>
Vessel	Boom Boat			1		
Staff	Staff to Deploy			8		

Logistics:

Directions: Boat launch available in Marina Del Rey. From Lincoln Blvd. (Highway 1) in Marina Del Rey go west on Fiji Way. Boat launch located at 13477 Fiji Way in Basin H. Ballona Creek is south of and parallel to the Main Channel riprap.

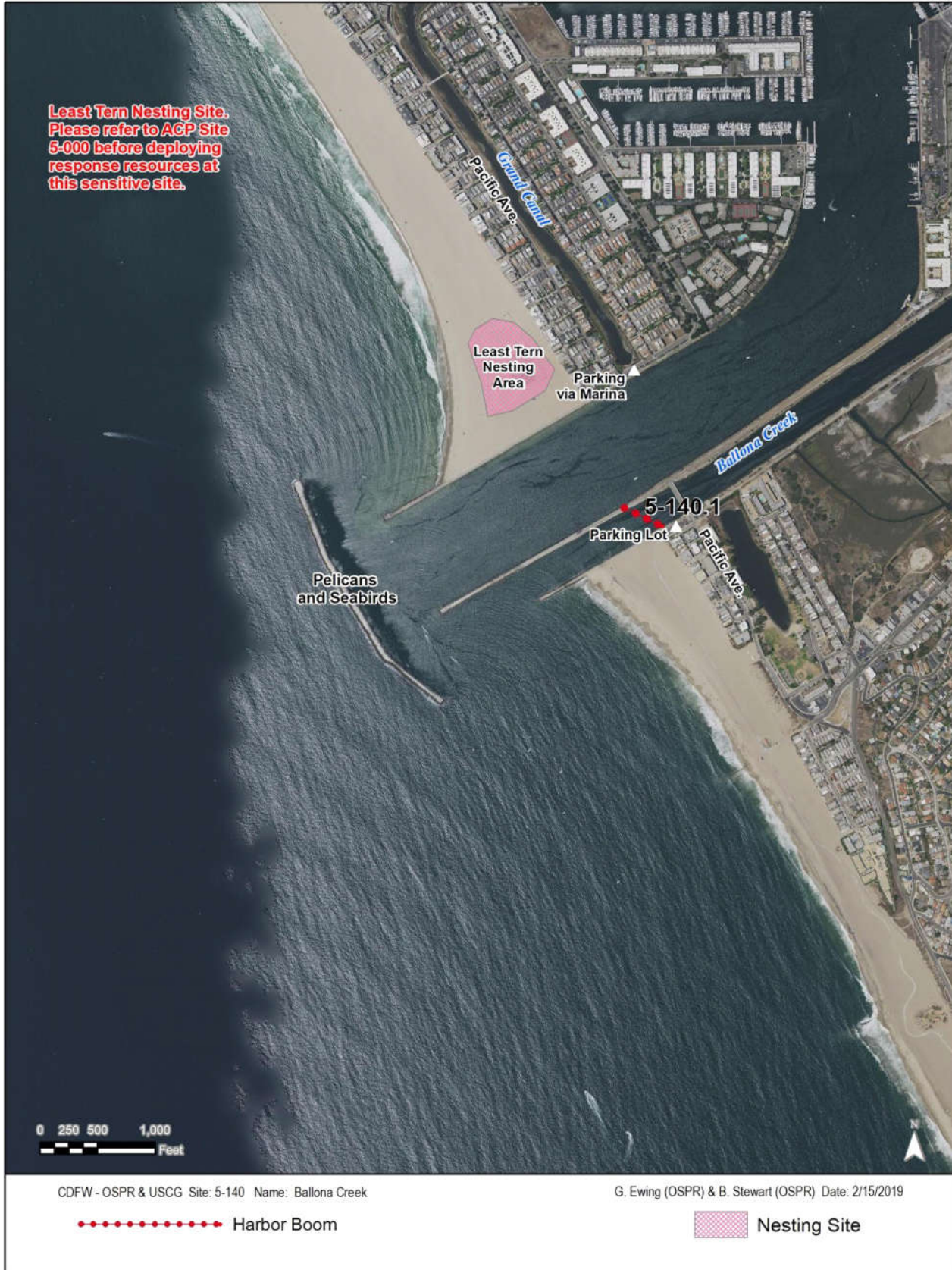
Land Access: Parking lot at the northern terminus of Pacific Ave. in Playa Del Rey.

On-Water Limitations: All services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: A pedestrian bridge crosses the Ballona Creek. Chevron has pre-staged boom at Marina Del Rey Harbor. Call Chevron's 24 hr dispatch at (310) 615-5172.



5-150-A Site Summary - Ballona Lagoon Wetlands, Del Rey Lagoon**5-150-A****County:** Los Angeles **ACP Division/Segment:** LA - E - S001**NOAA Chart:** 18744**Map Book:** 702 A2**Decimal Degrees:** 33.96289 -118.45185**Site Description:**

Coastal lagoon and wetlands complex.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	California brown pelican	FP, SP	Apr - Nov	
Birds	California least tern	FE, SE	Apr - Sep	
Birds	Belding's savannah sparrow	SE	Year-round	
Birds	shorebirds		Year-round	
Birds	waterfowl		Sep - 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	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
E	/24hr	Los Angeles County Department of Public Works	(800) 675-4357
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	Richard Brody/Reserve Manager	California Department of Fish and Wildlife	(310) 455-3243
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:

Concerns and Advice to Responders:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland by response activities.

Hazard and Restrictions:**Site Strategies:**

Strategy: 5-150.1 Objective: Exclude Oil

Strategy: Close tidal gates. There are two tidal gates; one is to the Ballona Wetlands (5-150.1b, upstream) and the other is to the Del Rey Lagoon (5-150.1a, downstream near residences). The Ballona Wetland gates are closed mechanically; call Los Angeles County at (562) 861-0316 or (800) 675-4357 24-hour dispatch. The Del Rey Lagoon gates can be operated remotely; call the City of Los Angeles, Dept. of Recreation and Parks 24-hour on-call supervisor at (818) 441-2874.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Staff	Staff to Deploy			1		<i>Strategy Updated:</i> 5/14/2018 <i>Last Test:</i>

Strategy: 5-150.2 Objective: Exclude Oil

Strategy: Block culvert. Use sandbags or an inflatable plug to block culvert. This would be best accomplished by accessing the culvert on the wetland side.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Sandbags						
Inflatable Plug				1		
Staff	Staff to Deploy			2		

Logistics:

Directions: From Lincoln Blvd. (Highway 1) in Marina Del Rey go west on Culver Blvd. and north on Pacific Ave. until you reach the terminus where there will be a parking lot.

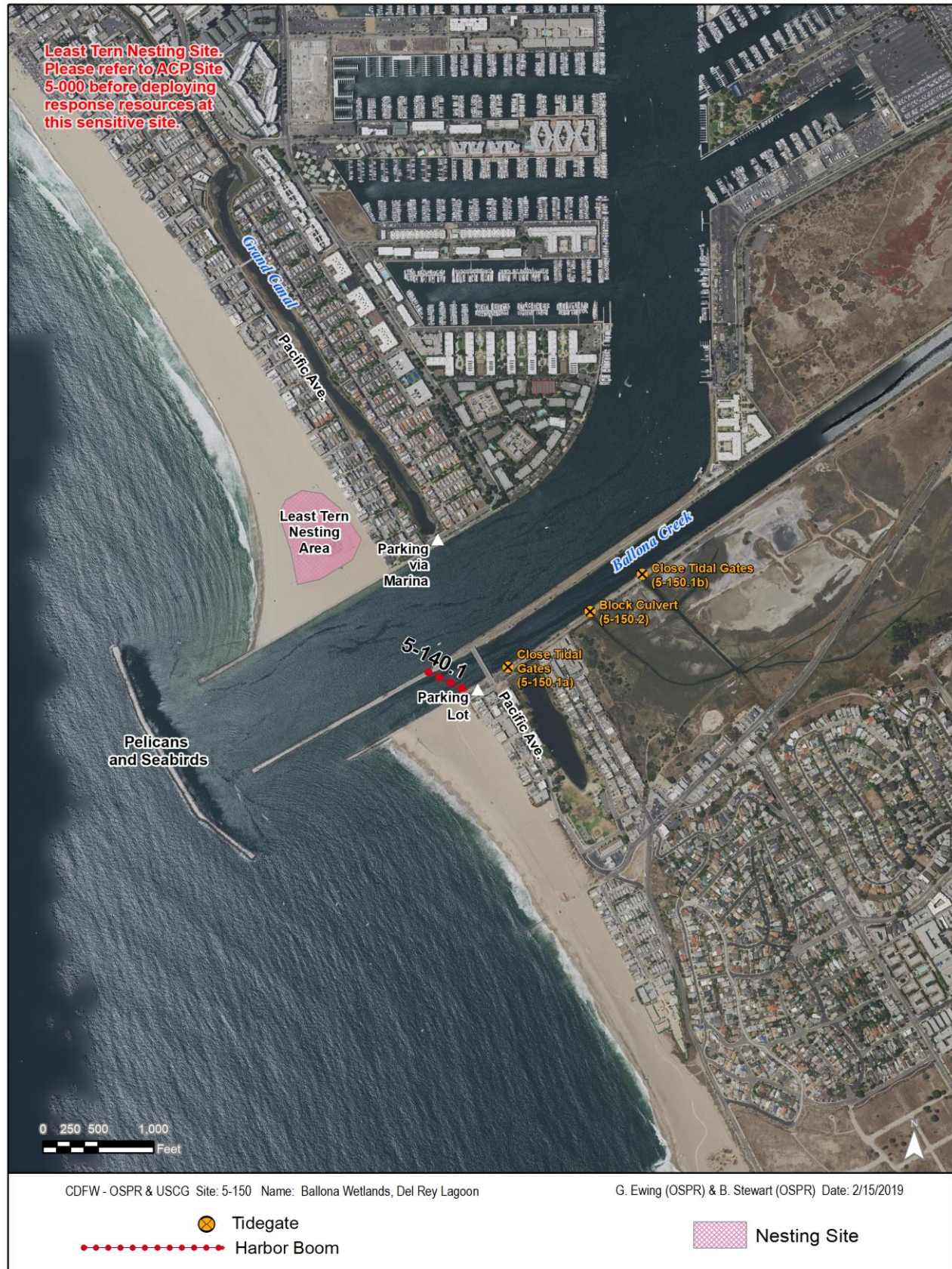
Land Access: From parking lot walk east to tidal gates.

On-Water Limitations:

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: Several locations along Old Harbor Channel Land and Esplanade Ave. have access to these areas. First responders may need bolt cutters for locks to tidal gates.



5-160-A/C Site Summary - King Harbor Breakwater

5-160-A/C

County : Los Angeles **ACP Division/Segment :** LA - E - S008**NOAA Chart :** 18744**Map Book :** 762 G4**Decimal Degrees :** 33.84359 -118.39879**Site Description:**

Long curving riprap seawall up to 10 feet above mean lower low water.

Resources at Risk:*ESI and Habitat:* 6B Riprap**List of Resources at Risk:**

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	seabirds		Year-round
Mammals	California sea lion	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	AES Power - Redondo Beach	(310) 318-7503
O	/	King Harbor Harbormaster	(310) 318-0632
O	/	Los Angeles County Lifeguard, Redondo Beach	(310) 372-2162
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered and sensitive species roosting habitat.

Hazard and Restrictions:

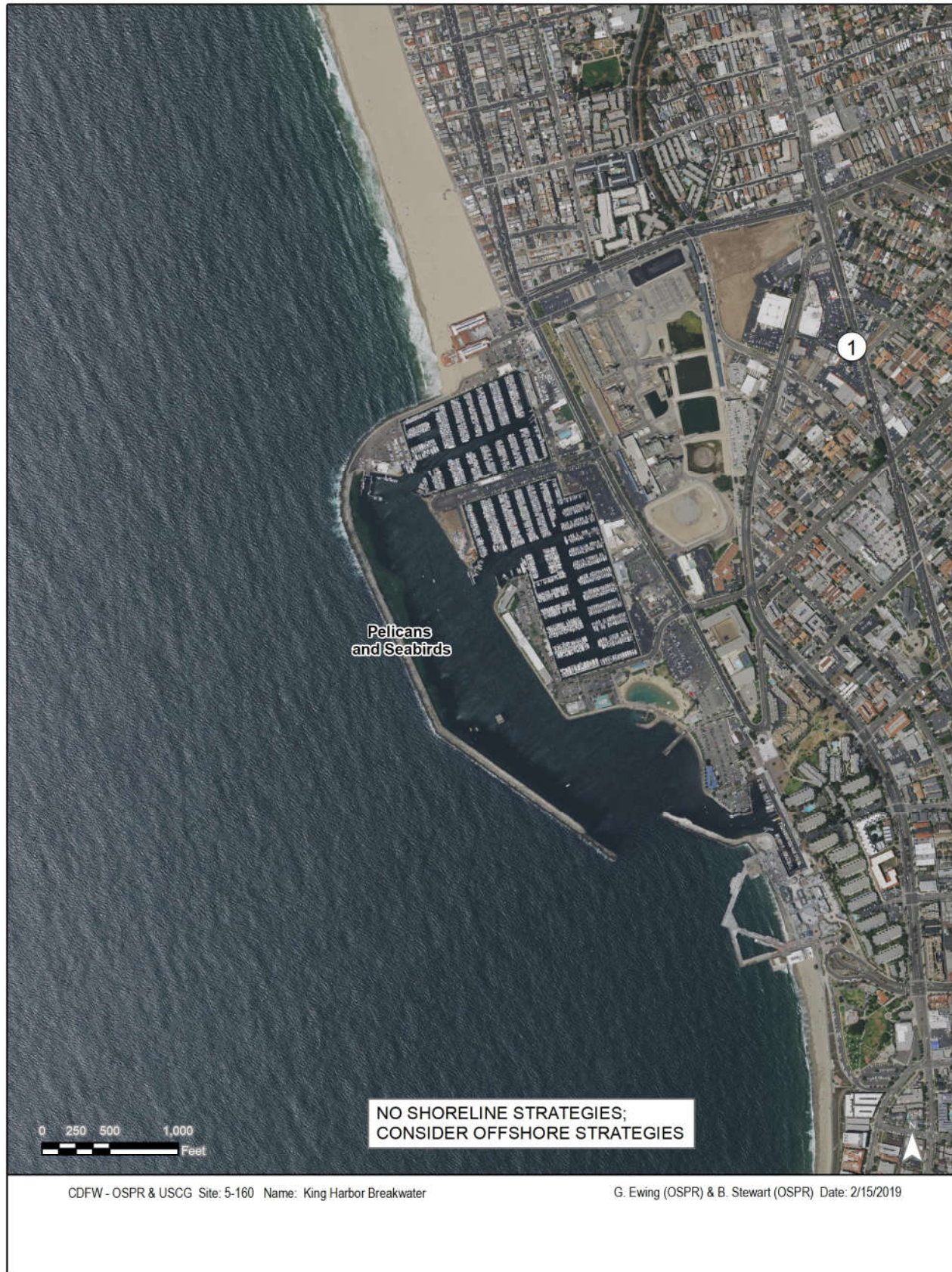
Watch weather and sea conditions. High energy wave action.

Site Strategies:**Strategy: 5-160.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART**Strategy:** This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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:** Boat hoist available in King Harbor. From Pacific Coast Highway in Redondo Beach go west on Beryl St. until you reach the parking lot. Boat hoist is adjacent to the Harbor Master's office.**Land Access:** Access best by boat.**On-Water Limitations:** Heavy small boat traffic. Boat hoist for boats less than 30 ft and less than 10,000 lbs. All services available.**Facilities, Staging Areas, Command Posts, Available Equipment:****Communications Problems:****Additional Operational Comments:** Consider safety of personnel attempting access to breakwater.



5-170-A Site Summary - Palos Verdes Peninsula

5-170-A

County : Los Angeles **ACP Division/Segment :** LA - F - S001 LA - F - S002 LA - F - S003 LA - F - S004
 LA - F - S005 LA - F - S006 LA - F - S007 LA - F - S008
 LA - F - S009 LA - F - S010 LA - F - S011 LA - F - S012
 LA - F - S013

NOAA Chart : 18746

Map Book : 792

Decimal Degrees : 33.74125 -118.41101

Site Description:

Approximately 15 linear miles of exposed rocky headlands, exposed rocky shores, exposed wavecut platforms, and kelp forests. The site starts at Malaga Cove in the north at 33.80367 by 118.39480. The site ends at Cabrillo Beach in the south at 33.70662 by 118.27830. Site is within the following State Marine Protected Area(s): Point Vicente SMCA and Abalone Cove SMCA.

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
- 6A Gravel Beach

List of Resources at Risk:

Resource Name		Status	Presence
Fishery	spiny lobster - Commercial & Sport		Year-round
Invertebrates	black abalone	FE	Year-round
Invertebrates	kelp forests		Year-round
Invertebrates	rocky intertidal resources		Year-round
Mammals	California sea lion	FP	Year-round
Mammals	harbor seal	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
E	John Hodge/Bureau of Land Management	Coastal National Monument	(661) 301-1659
O	Michael Quill/Marine Programs Manager	Los Angeles Waterkeeper	(310) 394-6162
O	Dan Pondella/Dr.	Occidental College	(323) 259-2955
O	Maddalena Bearzi/President	Ocean Conservation Society	(310) 822-5205
O	Heather Burdick/Director of Marine Programs	The Bay Foundation	(310) 873-3952
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	Rick Bush/Fisheries Biologist	NOAA National Marine Fisheries Service	(562) 980-3562
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect critical habitat, rocky intertidal, and kelp forest habitats.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:

Strategy: 5-170.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

A) Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).

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: Boat hoist available in King Harbor. Several boat ramps are found in the Los Angeles/Long Beach Port Complex.

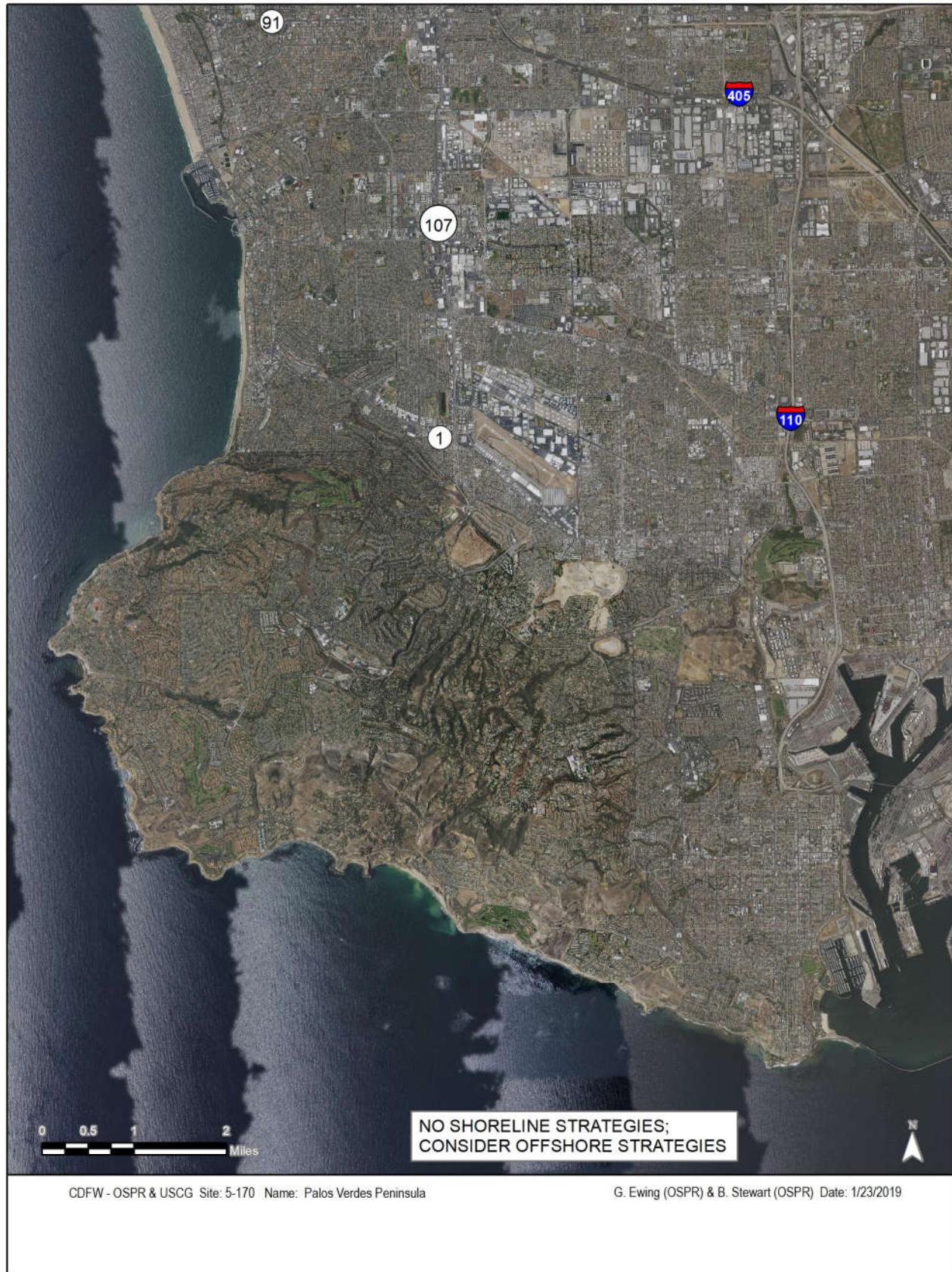
Land Access: Access by boat and vehicle. There are several parking areas and small staging areas found along Palos Verdes Drive West, Palos Verdes Drive East, and Paseo Del Mar. Access to the shoreline is very limited and dangerous. Check with safety officers before placing workers on the shoreline.

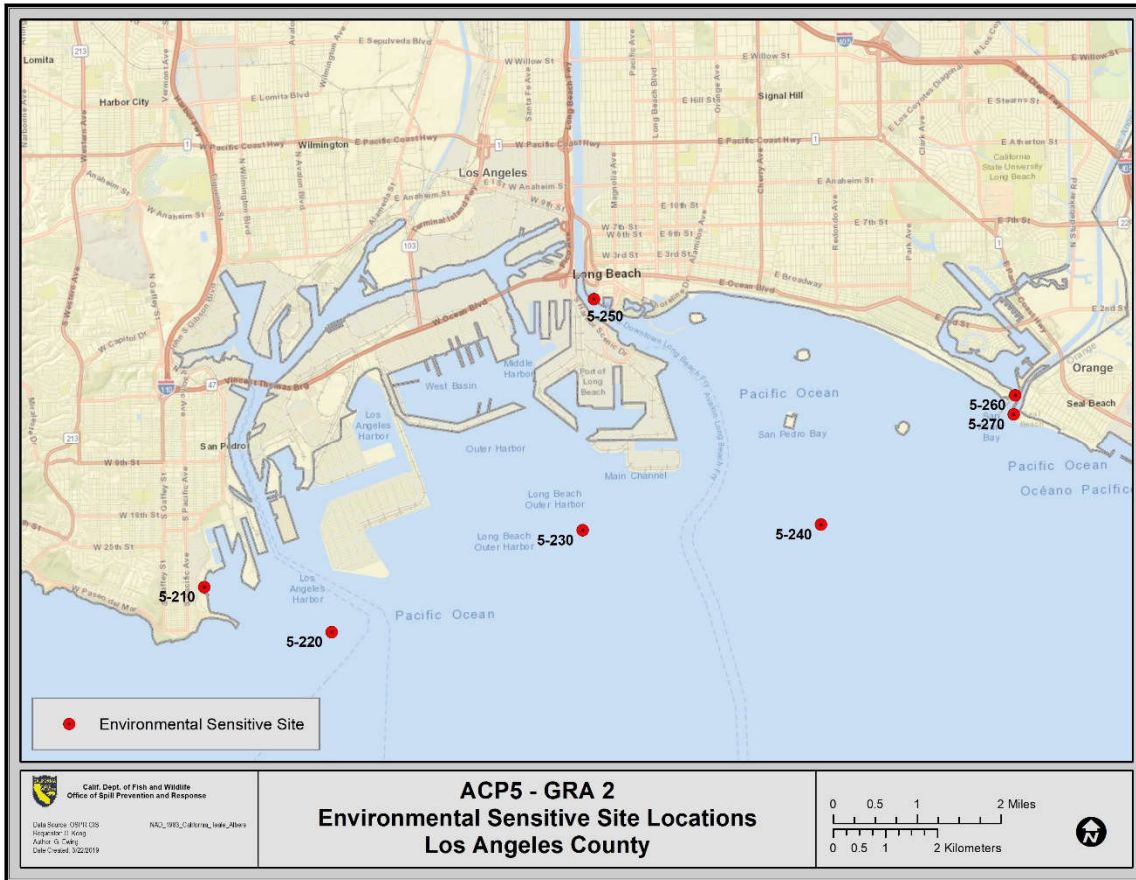
On-Water Limitations: Shallow reefs and thick kelp.

Facilities, Staging Areas, Command Posts, Available Equipment: Parking and staging are available at the boat launch facilities. Several parking and small staging areas can be found along Palos Verdes Drive West, Palos Verdes Drive South, and Paseo Del Mar.

Communications Problems: None.

Additional Operational Comments: Shoreline considered very dangerous. Safety Officer should be notified before workers access shoreline.





Index Map- GRA 2, LALB Harbor Environmental Sensitive Sites

9816.2.2 GRA 2 Site Index

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5-270-A	San Gabriel River	675

5-210-A Site Summary - Cabrillo Beach Wetlands**5-210-A****County :** Los Angeles **ACP Division/Segment :** LA - G - S004**NOAA Chart :** 18749**Map Book :** Thomas Guide 854 **Decimal Degrees :** 33.71438 -118.28427
C1**Site Description:**

Small (3.2 acre) mitigation site wetland adjacent to Cabrillo Beach. Sheltered habitat within Los Angeles Harbor. Mudflat-marsh ecosystem with resting and feeding waterfowl, seabirds, and shorebirds.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

9A Sheltered tidal flats

8C Sheltered riprap

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California least tern	FE, SE	Apr - Sep
Birds	waterfowl		Sep - May
Birds	California brown pelican		Jun - Oct
Birds	seabirds		Year-round
Birds	shorebirds		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Cabrillo Marine Aquarium	(310) 548-7562
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
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:

This is a popular recreation area which is adjacent to a Boy Scout camp, several marinas, and public beach.

Concerns and Advice to Responders:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland from response activities.

Hazard and Restrictions:

Fast tidal currents can impact the channel into the wetland. Use caution when placing the boom.

Site Strategies:

Strategy: 5-210.1 Objective: Exclude Oil

Strategy: Boom to prevent oil entry to inlet.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		100	feet	<i>Strategy Updated:</i> 11/19/2015
Staff	Staff to Deploy			2		<i>Last Test:</i> 2/20/2018

Strategy: 5-210.2 Objective: Exclude Oil

Strategy: Boom (1500') may be placed to move oil to a collection point. South end of boom is placed at the end of the rock jetty to the north of the launch ramp. North end of boom is placed at the riprap where the breakwater at Cabrillo Marina starts. The north end can be used as a collection point. Anchors will be needed when the wind is not from the S or SW or the currents are too strong to keep the boom configuration. Consider using up to 5 anchors in windy conditions.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		1500	feet	<i>Strategy Updated:</i> 11/19/2015
Anchor	Danforth	40 lb		5		<i>Last Test:</i> 2/20/2018
Staff	Staff to Deploy			4		
Vessel	Boom Boat			1		

Logistics:

Directions: Wetland and boat launch are adjacent to each other. From Pacific Ave. in San Pedro go east on Stephen M. White Dr. until you enter Cabrillo Beach. Go to the north end of the parking lot.

Land Access: Access to site by land is granted by the Cabrillo Marine Aquarium.

On-Water Limitations: Shallow water. Heavy small boat traffic. All services available.

Facilities, Staging Areas, Command Posts, Available Equipment: A large parking lot is available for staging equipment.

Communications Problems: None.

Additional Operational Comments: There are several locations available along Stephen White Dr., Shishoan Rd., and Oliver Victor Circle that have access to the beach.



County : Los Angeles **ACP Division/Segment** : LA - G - S001**NOAA Chart** : 18751**Map Book** : 854 E3**Decimal Degrees** :33.70622 -118.25804**Site Description:**

This site consists of the entire breakwater marked as the Los Angeles Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

Resources at Risk:*ESI and Habitat:* 6B Riprap**List of Resources at Risk:**

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	seabirds		Year-round
Fishery	spiny lobster - Commercial & Sport		Year-round
Mammals	California sea lion	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/24hr	Los Angeles Port Police	(310) 732-3500
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered and sensitive species roosting habitat.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:

Strategy: 5-220.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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:**

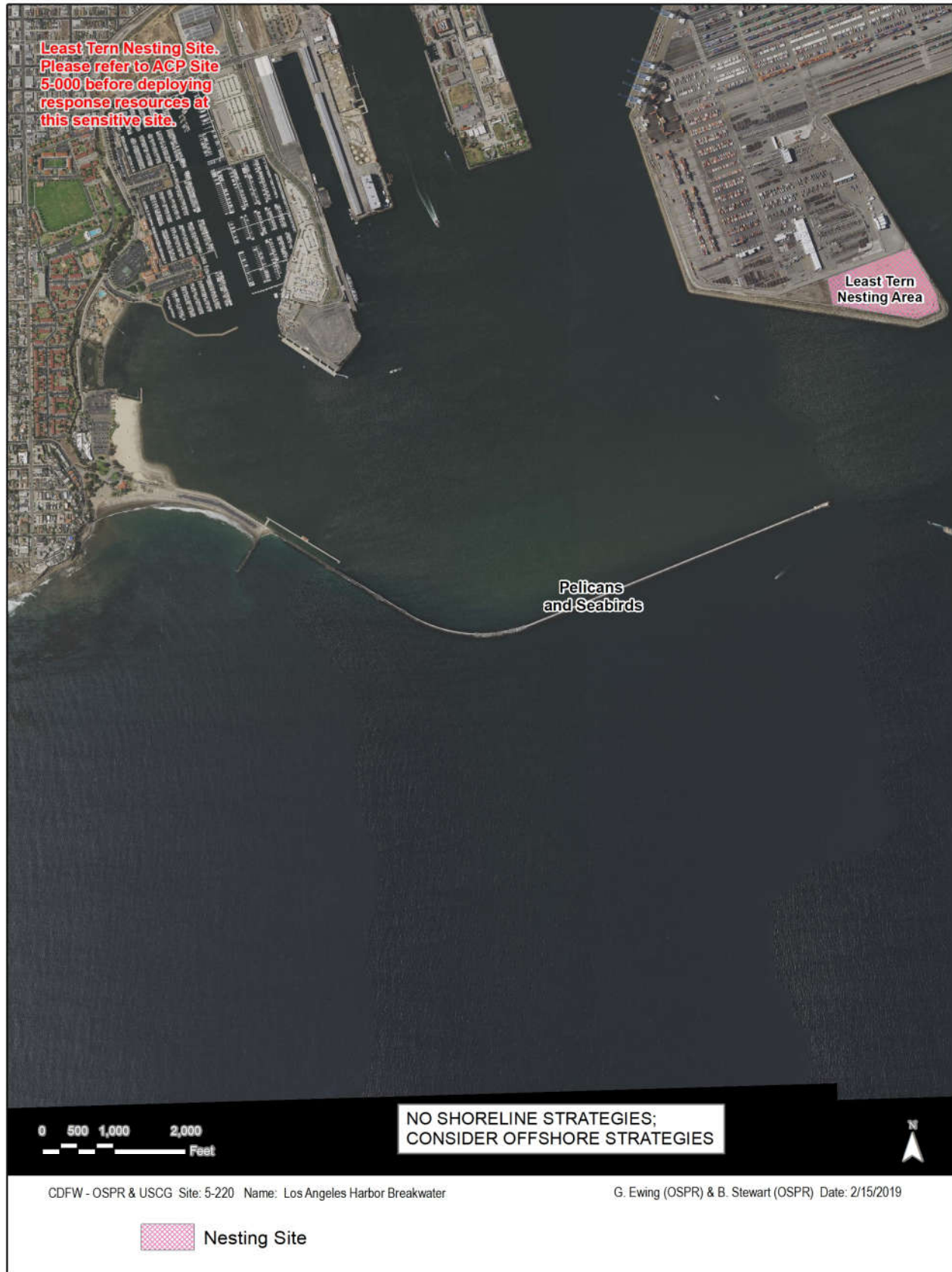
Directions: Boat launch available at Cabrillo Beach. From Pacific Ave. in San Pedro go east on Stephen M. White Dr. until you enter Cabrillo Beach. Go to the north end of the parking lot.

Land Access: Access best by boat.

On-Water Limitations: Heavy boat traffic (all sizes of vessels). All services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems: None.



County: Los Angeles ACP Division/Segment: LA - G - S102

NOAA Chart : 18751

Map Book : 854 J1

Decimal Degrees 33.72295 -118.20571

Site Description:

This site consists of the entire breakwater marked as the Middle Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

Resources at Risk:

ESI and Habitat: 6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	gulls		Year-round
Birds	seabirds		Year-round
Fishery	spiny lobster - Commercial & Sport		Year-round
Mammals	California sea lion	FP	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:

TypeName/Title	Organization	Phone
C /	Office of Historic Preservation	(916) 445-7000
C /	South Central Coastal Information Center	(657) 278-5395
O /	NRG Power - Long Beach	(562) 506-2536
O /24hr	Port of Long Beach Police	(562) 590-4185
T Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T /Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered and sensitive species roosting habitat.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:

Strategy: 5-230.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- a) Recommended response strategy is on-water containment and recovery (e.g towed boom arrays).
- 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:

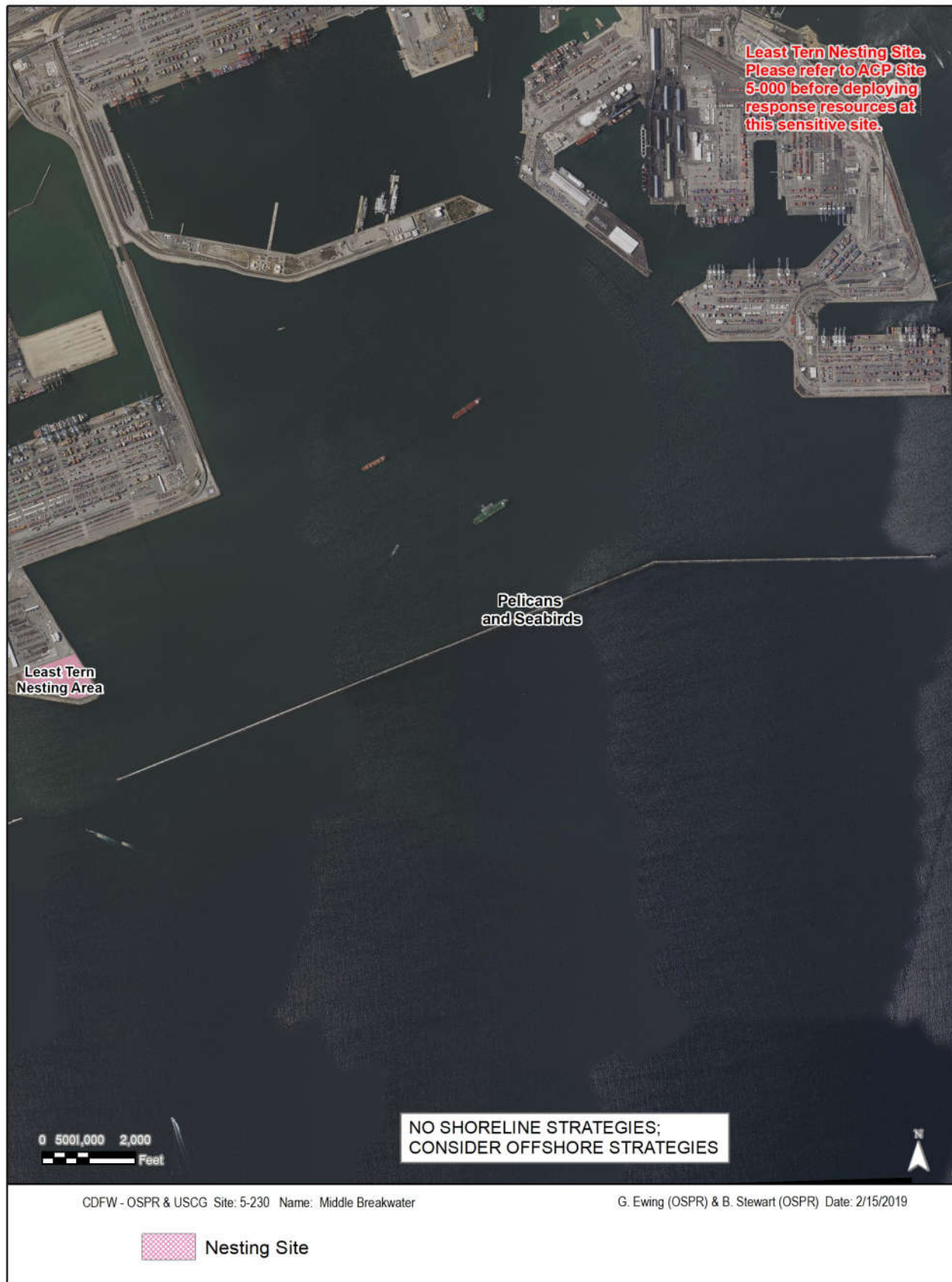
Directions: Boat launch available at Cabrillo Beach. From Pacific Ave. in San Pedro go east on Stephen M. White Dr. until you enter Cabrillo Beach. Go to the north end of the parking lot.

Land Access: Access by boat only.

On-Water Limitations: Heavy boat traffic (all sizes of vessels). All services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems: None.



5-240-A Site Summary - Long Beach Harbor Breakwater**5-240-A****County :** Los Angeles **ACP Division/Segment :** LA - H - S010**NOAA Chart :** 18751**Map Book :** 825 H7**Decimal Degrees :** 33.72315 -118.1564**Site Description:**

This site consists of the entire breakwater marked as the Long Beach Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

Resources at Risk:*ESI and Habitat:* 6B Riprap**List of Resources at Risk:**

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	seabirds		Year-round
Birds	gulls		Year-round
Fishery	spiny lobster - Commercial & Sport		Year-round
Mammals	California sea lion	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	NRG Power - Long Beach	(562) 506-2536
O	/24hr	Port of Long Beach Police	(562) 590-4185
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered and sensitive species roosting habitat.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:

Strategy: 5-240.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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:**

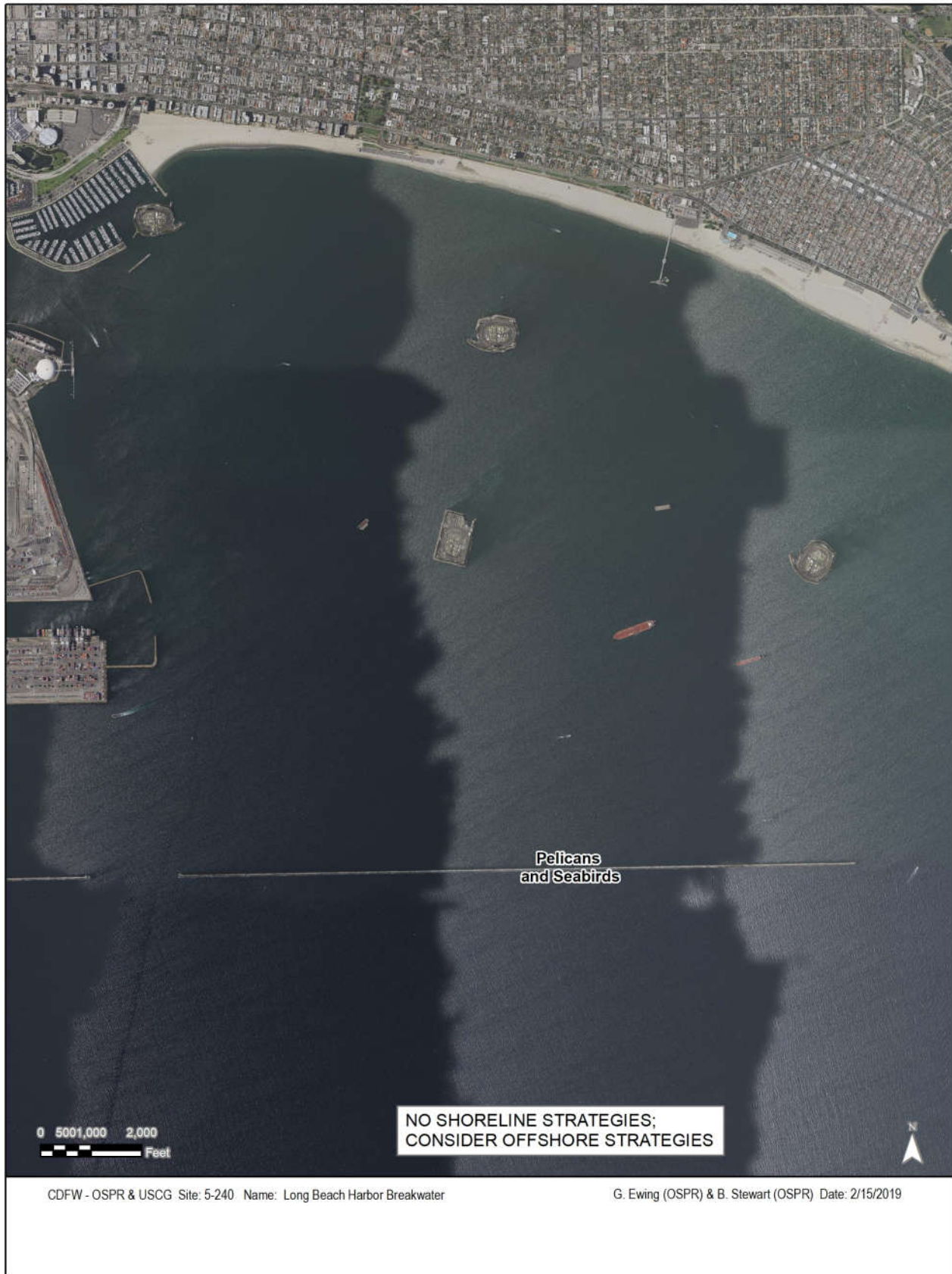
Directions: Boat launching at 590 Queensway Drive. From Ocean Blvd. in Long Beach, go south on Queensway Bay and then west on Queensway Dr.

Land Access: Access by boat only.

On-Water Limitations: Heavy boat traffic (all sizes of vessels). All services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems: None.



County: Los Angeles **ACP Division/Segment:** LA - H - S001**NOAA Chart:** 18749**Map Book:** 825 C1**Decimal Degrees:** 33.76292 -118.20255**Site Description:**

This tidal saltmarsh was constructed as mitigation for impacts from the Queensway Bay Project. The area is primarily a mudflat during low tides with fringing vegetation. During the highest tides a major portion of the wetland is flooded.

Resources at Risk:**ESI and Habitat:** 10A Salt - and brackish-water marshes

9A Sheltered tidal flats

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California brown pelican	FP, SP	Jun - Oct	
Birds	California least tern	FE, SE	Apr - Sep	
Birds	Belding's savannah sparrow	SE	Year-round	
Birds	shorebirds		Year-round	
Birds	waterfowl		Year-round	
Fish	halibut		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/24hr	Aquarium of the Pacific	(562) 951-1733
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland from response activities.

Hazard and Restrictions:

Shallow water and shifting sand bars. Catalina Island passenger vessel traffic.

Site Strategies:**Site Validation Level: III****Strategy: 5-250.1 Objective:** Exclude Oil

Strategy: Boom to prevent oil entry to inlet. Support with sorbent boom inside harbor boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		200	feet	<i>Strategy Updated:</i>
Boom	Sorbent Boom	10 inch		200	feet	<i>Last Test:</i> 11/5/2020
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		
Anchor	Danforth	40 lbs		1		

Strategy: 5-250.2 Objective: Exclude Oil

Strategy: Cross channel deflection boom to boat ramp on north side of channel.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		1800	feet	<i>Strategy Updated:</i> 11/5/2020
Anchor	Danforth	40 lbs		10		<i>Last Test:</i> 11/5/2020
Vessel	Boom Boat or Skiff			2		
Staff	Staff to Deploy			5		

Logistics:

Directions: To site: from Ocean Blvd. in Long Beach go south on Golden Shore to the parking lot adjacent to wetland. To boat launch: from Ocean Blvd. go south on Queensway Bay then west to 590 Queensway Dr.

Land Access:

On-Water Limitations: Shallow water and strong currents. All services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems: None.

Additional Operational Comments: The site has a permanent exclusion boom at the opening to the wetland.



5-260-A Site Summary - Alamitos Bay/Los Cerritos Wetlands**5-260-A****County :** Los Angeles **ACP Division/Segment :** LA - H - S006**NOAA Chart :** 18749**Map Book :** 826 D4**Decimal Degrees :** 33.74499 -118.11574**Site Description:**

Developed coastal embayment. Many marinas/boat slips but still contains a large area of sand and mud shoreline, particularly inside seawall and deep in back bay.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

8B Sheltered solid man-made structures

1B Exposed solid man-made structures

3A Fine- to medium-grained sand beaches

6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	shorebirds		Year-round
Birds	seabirds		Year-round
Birds	waterfowl		Sep - May
Fish	halibut		Year-round
Reptiles	green sea turtle	FT	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	AES Power - Long Beach	(562) 493-7803
O	/	Long Beach Lifeguards (8am - 6pm)	(562) 570-1360
O	/24hr	Los Angeles Department of Water & Power	(562) 431-2578
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered and sensitive species and wetland habitat.

Hazard and Restrictions:

Shallow water and strong currents.

Site Strategies:**Strategy: 5-260.1 Objective:** Exclude Oil

Strategy: Boom to prevent oil entry to bay. Harbor boom (800') stored at Alamitos Bay Yacht Club. Anchor points on both sides of channel.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		800	feet	<i>Strategy Updated:</i> <i>Last Test:</i> 4/18/2017
Vessel	Boom Boat			1		
Staff	Staff to Deploy			4		

Strategy: 5-260.2 Objective: Exclude Oil

Strategy: Use this strategy if oil breaches boom strategy 5-260.1. This strategy can also be used for spills originating in Alamitos Bay or upstream of the Los Cerritos Wetland. Boom to prevent oil entry into Steamshovel Slough. Anchor points on both sides of channel on banks.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		500	feet	<i>Strategy Updated:</i> <i>Last Test:</i> 11/9/2017
Anchor	Danforth		40 lb	1		
Vessel	Boom Boat			1		
Staff	Staff to Deploy			4		

Strategy: 5-260.3 Objective: Exclude Oil

Strategy: Boom to prevent oil entry into Steamshovel Slough. Use this strategy if oil breaches boom strategy 5-260.1.

This strategy can also be used for spills originating in Alamitos Bay or upstream of the Los Cerritos Wetland. Anchor points on both sides of channel on banks.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		400	feet	<i>Strategy Updated:</i> <i>Last Test:</i> 11/9/2017
Anchor	Danforth		40 lb	1		
Vessel	Boom Boat			1		
Staff	Staff to Deploy			2		

Logistics:

Directions: Boat launch available at Alamitos Bay. From Pacific Coast Highway in Long Beach go west on Second St. Boat launch is at 6201 E. Second St.

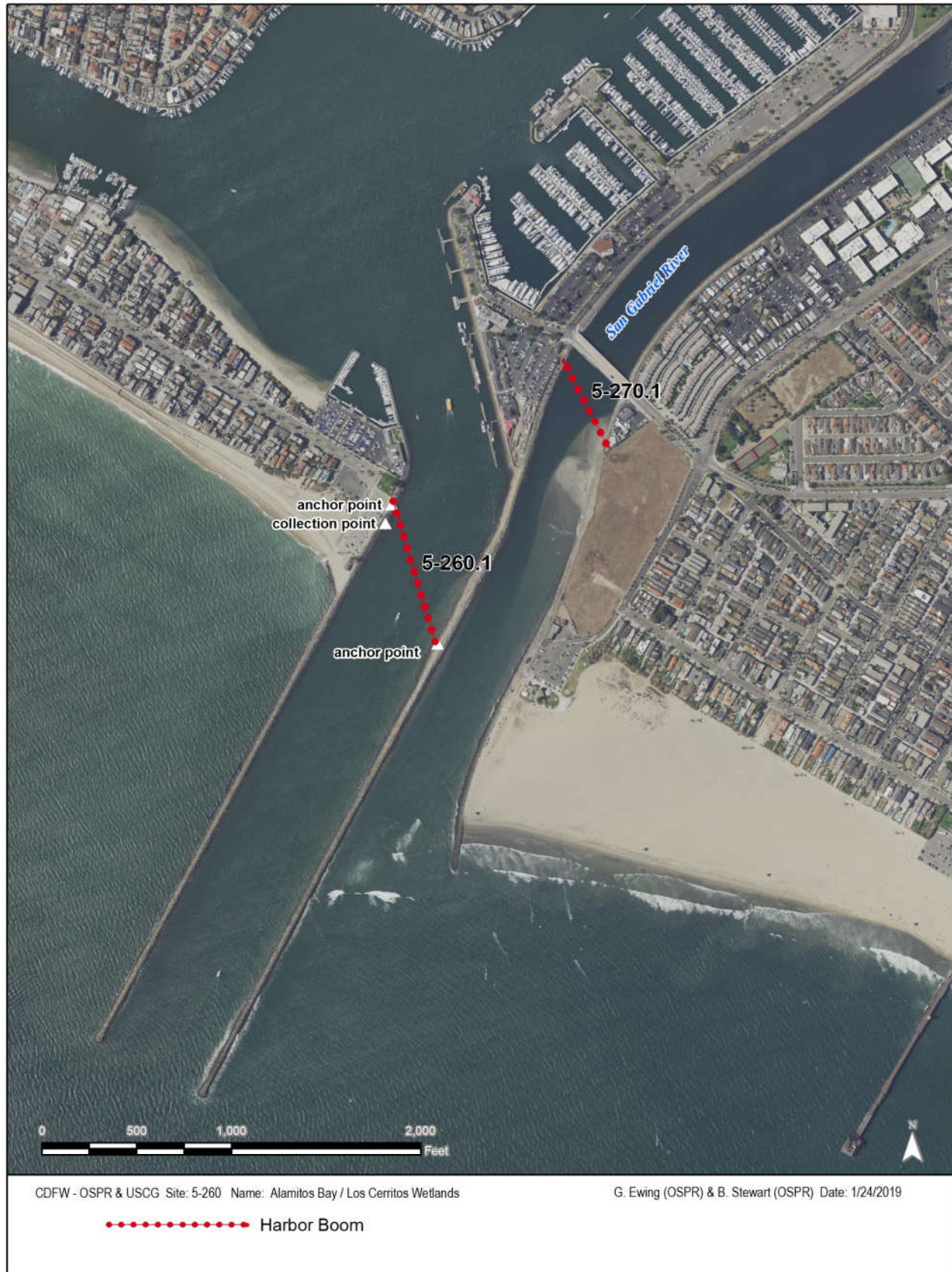
Land Access: Parking lot at 72nd Pl. and Ocean Blvd.

On-Water Limitations: Strong currents. Heavy small boat traffic. All services available.

Facilities, Staging Areas, Command Posts, Available Equipment: Pre-staged booms available adjacent to the Alamitos Bay Yacht Club at Ocean Blvd. and 72nd Place. There is parking and staging at public parking lot.

Communications Problems: None.

Additional Operational Comments: 800 feet of 20" boom is pre-staged in storage containers located at the Alamitos Bay Yacht Club to be used to close off the channel. The boom can be deployed by Long Beach Lifeguards. There are several locations along Marina Dr. and Ocean Blvd. that have access to the beach.





CDFW - OSPR & USCG Site: 5-260 Name: Alamos Bay / Los Cerritos Wetlands

G. Ewing (OSPR) & B. Stewart (OSPR) Date: 1/24/2019

..... Harbor Boom

5-270-A Site Summary - San Gabriel River**5-270-A****County :** Los Angeles **ACP Division/Segment :** LA - H - S006**NOAA Chart :** 18749**Map Book :** 826 D4**Decimal Degrees :** 33.74169 -118.11606**Site Description:**

Riprap lined channel which has several culverts that lead to wetland complexes.

Resources at Risk:*ESI and Habitat:* 6B Riprap

8C Sheltered riprap

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California brown pelican		Jun - Oct
Birds	California least tern	FE, SE	Apr - Sep
Birds	Belding's savannah sparrow	SE	Year-round
Birds	shorebirds		Year-round
Birds	seabirds		Year-round
Birds	waterfowl		Sep - May
Fish	halibut		Year-round
Reptiles	green sea turtle	FT	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Long Beach Lifeguards (8am - 6pm)	(562) 570-1360
O	/24hr	Los Angeles Department of Water & Power	(562) 431-2578
T	Hans Sin/California least tern Coordinator	California Department of Fish and Wildlife	(858) 539-9022
T	Tina Fahy/Sea Turtle Recovery Coordinator	NOAA National Marine Fisheries Service	(562) 980-4023
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

Two anchor points south of Marina Dr. on west side of channel.

Concerns and Advice to Responders:

To protect endangered and sensitive species and wetland habitat.

Hazard and Restrictions:

Shallow water and strong currents.

Site Strategies:

Strategy: 5-270.1 Objective: Exclude Oil

Strategy: Boom (500') to prevent oil entry into San Gabriel River.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 inch		500	feet	<i>Strategy Updated:</i> <i>Last Test: 2/22/2018</i>
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			6		

Strategy: 5-270.2 Objective: Exclude Oil

Strategy: Boom (100') to prevent oil entry into culvert.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 inch		100	feet	<i>Strategy Updated:</i> <i>Last Test: 2/22/2018</i>
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

Logistics:

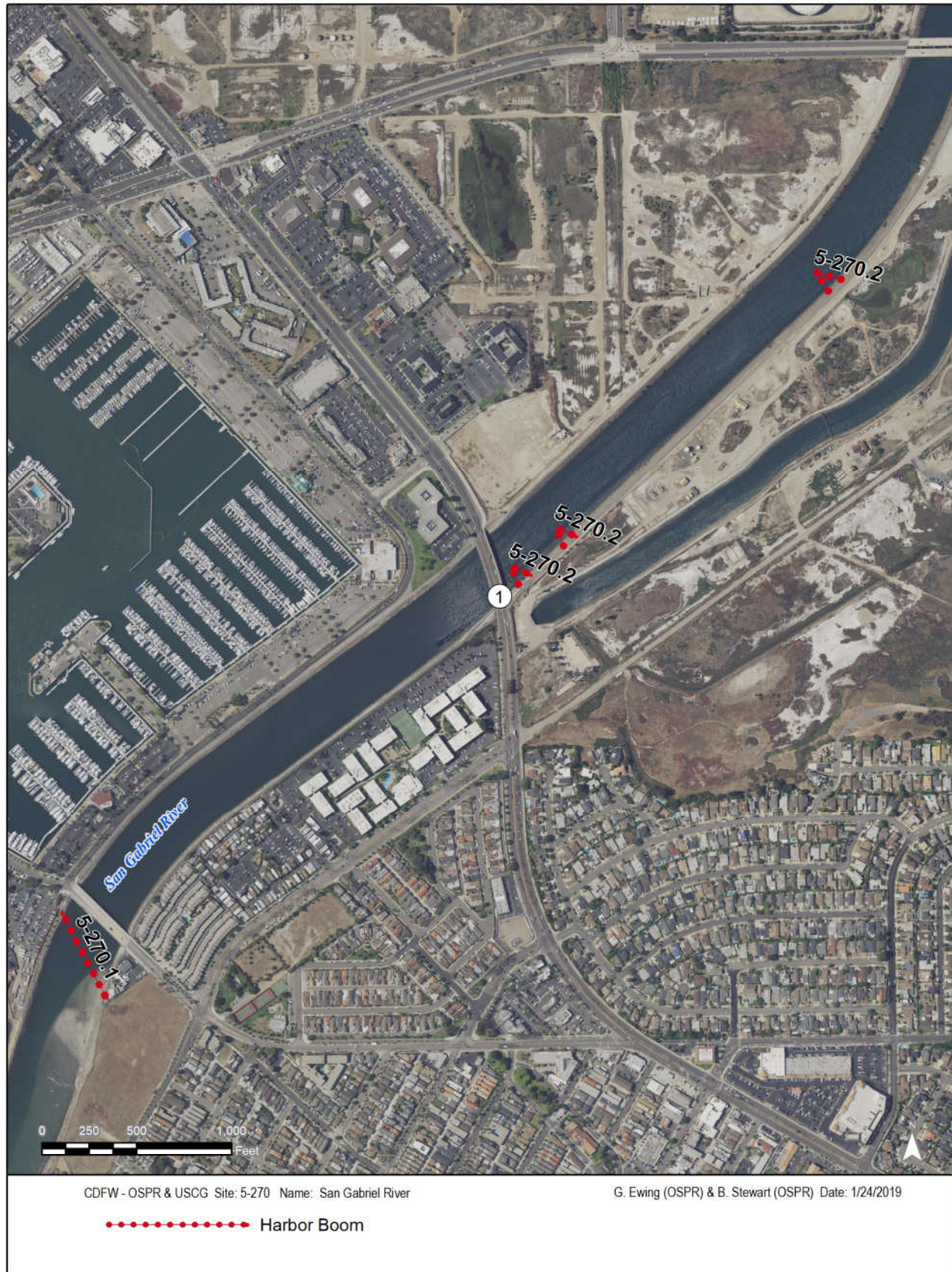
Directions: To mouth of river: from Pacific Coast Highway in Long Beach drive south onto 1st street and enter parking lot. To wetland inlets: from Pacific Coast Highway in Seal Beach use Signal Hill Petroleum Bryant Lease turnout just north of 1st street.

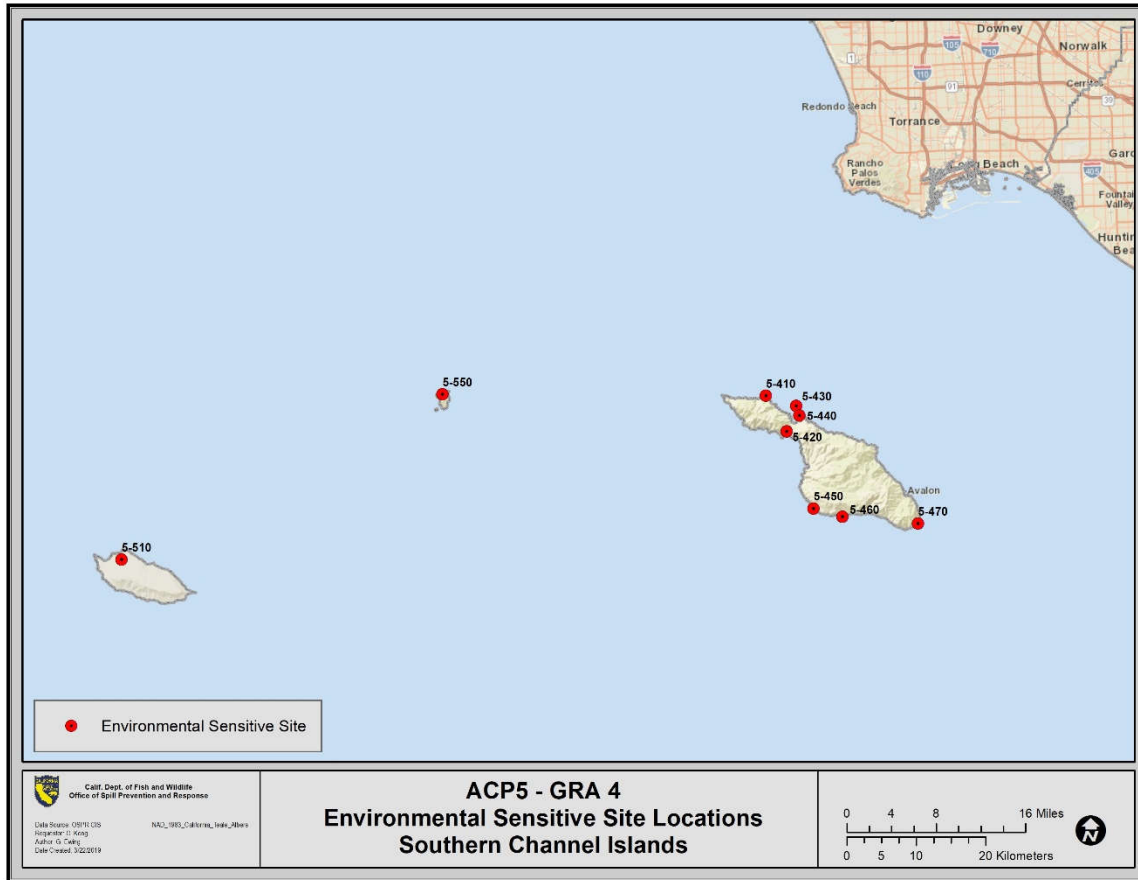
Land Access: Access by boat from surrounding harbors or vehicular access from Pacific Coast Highway via 1st St. or 2nd St.

On-Water Limitations: Shallow water, strong currents and surf.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging for 5-270.1 at the Seal Beach City Parking Lot off of 1st St.

Communications Problems: None.





Index Map – GRA 4, Southern Channel Islands Environmental Sensitive Sites

9816.2.3 GRA 4 Site Index

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5-470-A/B	Seal Rocks – Catalina Island	693
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5-550-A	Santa Barbara Island	698

County : Los Angeles**ACP Division/Segment :***NOAA Chart* : 18757*Map Book* :*Decimal Degrees* :33.4772 -118.5374**Site Description:**

Small harbor on backside of Catalina Island with a wetland west of Arrow Point. Contains area of extensive harbor seal haul-out and pupping. Inner portion has a small marshland adjacent.

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

	Resource Name	Status	Presence
Birds	California brown pelican		Apr - Nov
Birds	bald eagle		Year-round
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect sensitive species breeding and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:

Strategy: 5-410.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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: Access best by boat.

Land Access: Access best by boat.

On-Water Limitations: Limited services available at Avalon, Two Harbors and Catalina Harbor.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: Small aircraft can fly to Catalina Island.



County : Los Angeles**ACP Division/Segment :****NOAA Chart :** 18757**Map Book :****Decimal Degrees :**33.4303 -118.5063**Site Description:**

Small harbor on seaward side of Catalina Island. Contains areas of extensive harbor seal haul-out and pupping. Inner portion has a small marshland adjacent.

Resources at Risk:*ESI and Habitat:* 6A Gravel Beach

10A Salt - and brackish-water marshes

List of Resources at Risk:

	Resource Name	Status	Presence
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	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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O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
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T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
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:

Concerns and Advice to Responders:

To protect sensitive species breeding and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:

Strategy: 5-420.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- a) Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
 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

Strategy: 5-420.2 Objective: Collect Oil with Skimmer

Strategy: Use deflection boom in a chevron pattern to move oil into a collection point for a skimmer.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	18 or 24 inch		1500	feet	<i>Strategy Updated: 11/7/2017</i> <i>Last Test: 10/27/2017</i>
Vessel	Boom Boat			1		
Vessel	Skiff			1		
Staff	Staff to Deploy			4		
Anchor	Danforth	40 lbs		1		
Anchor	Shore Anchors			2		

Logistics:

Directions: Access by boat and land.

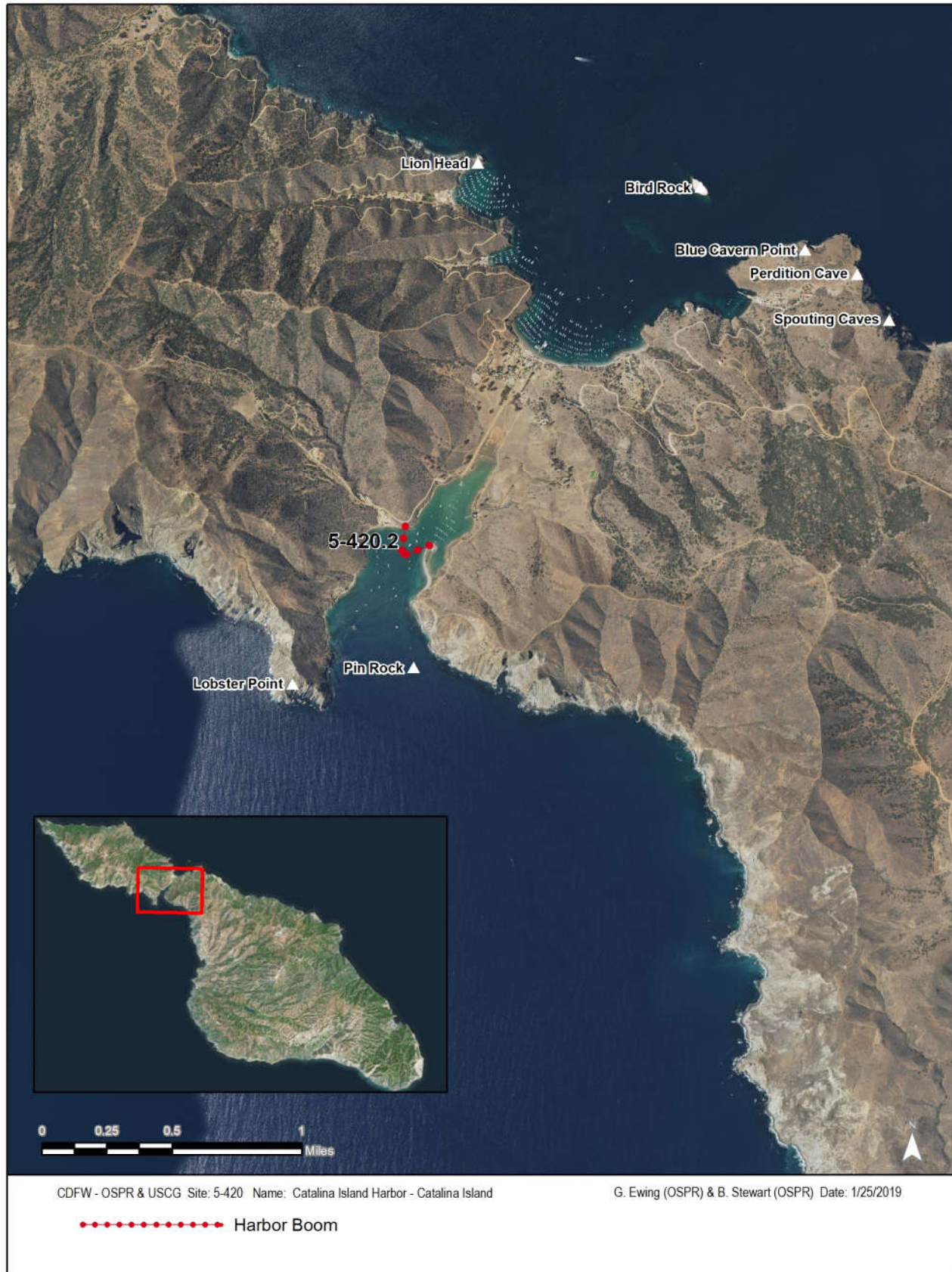
Land Access: Access best by boat.

On-Water Limitations: Limited services available at Avalon, Two Harbors and Catalina Harbor.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: Small aircraft can fly to Catalina Island.



County : Los Angeles

ACP Division/Segment :

NOAA Chart : 18757

Map Book :

Decimal Degrees :33.4631 -118.4907

Site Description:

Large offshore rock that is sail shaped with a steep shoreline.

Resources at Risk:

ESI and Habitat: 1A Exposed Rocky Shore

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	seabirds		Year-round
Birds	California brown pelican		Apr - Nov
Birds	cormorants		Year-round
Invertebrates	black abalone	FE	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:

To protect endangered species nesting and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:

Strategy: 5-430.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- a) Recommended response strategy is on-water containment and recovery (e.g towed boom arrays).
- 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: Access by boat only.

Land Access: Access by boat only.

On-Water Limitations: Limited services available at Avalon, Two Harbors and Catalina Harbor.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:



County : Los Angeles**ACP Division/Segment :***NOAA Chart* : 18757*Map Book* :*Decimal Degrees* :33.451 -118.4862**Site Description:**

Large dome shaped offshore rock.

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

	Resource Name	Status	Presence
Birds	seabirds		Year-round
Birds	California brown pelican		Apr - Nov
Birds	cormorants		Year-round
Invertebrates	black abalone	FE	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect endangered species nesting and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions. High energy wave action.

Site Strategies:**Strategy: 5-440.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- Recommended response strategy is on-water containment and recovery (e.g towed boom arrays).
- 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:* Access by boat only.*Land Access:* Access by boat only.*On-Water Limitations:* Limited services available at Avalon, Two Harbors and Catalina Harbor.*Facilities, Staging Areas, Command Posts, Available Equipment:**Communications Problems:*



County : Los Angeles**ACP Division/Segment** :*NOAA Chart* : 18757*Map Book* :*Decimal Degrees* :33.3288 -118.4666**Site Description:**

Rocky beach with shallow haul-out area for harbor seals, California sea lions and harbor seal pupping.

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

6A Gravel Beach

List of Resources at Risk:

	Resource Name	Status	Presence
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	Year-round
Mammals	California sea lion	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect sensitive species breeding and foraging habitat.

Hazard and Restrictions:

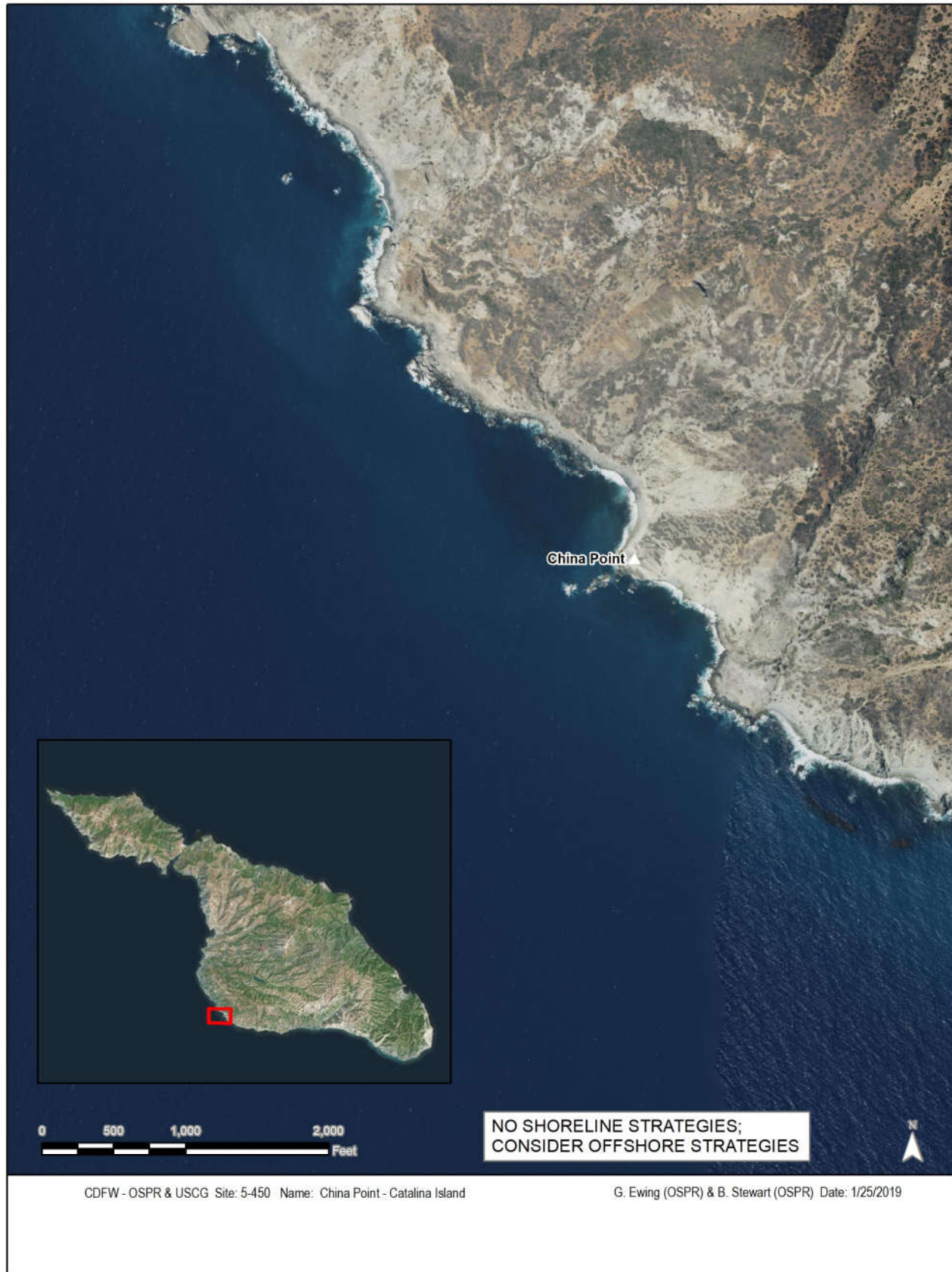
Watch weather and sea conditions.

Site Strategies:**Strategy: 5-450.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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:* Access best by boat.*Land Access:* Access best by boat.*On-Water Limitations:* Limited services available at Avalon, Two Harbors and Catalina Harbor.*Facilities, Staging Areas, Command Posts, Available Equipment:**Communications Problems:**Additional Operational Comments:* Small aircraft can fly to Catalina Island.



County : Los Angeles **ACP Division/Segment :****NOAA Chart :** 18757**Map Book :****Decimal Degrees :** 33.3173 -118.4225**Site Description:**

Rocky and sandy beach with an extensive haul-out area for harbor seal pupping.

Resources at Risk:*ESI and Habitat:* 6A Gravel Beach**List of Resources at Risk:**

	Resource Name	Status	Presence
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect sensitive species breeding and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:**Strategy: 5-460.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- Recommended response strategy is on-water containment and recovery (e.g towed boom arrays).
- 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:* Access best by boat.*Land Access:* Access best by boat.*On-Water Limitations:* Limited services available at Avalon, Two Harbors and Catalina Harbor.*Facilities, Staging Areas, Command Posts, Available Equipment:**Communications Problems:**Additional Operational Comments:* Small aircraft can fly to Catalina Island.



County : Los Angeles**ACP Division/Segment :***NOAA Chart* : 18757*Map Book* :*Decimal Degrees* :33.3071 -118.3059**Site Description:**

Nearshore rock and shoreline relief areas for harbor seal and California seal lion haul-out and pupping.

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

5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	Year-round
Mammals	California sea lion	FP	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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
O	/	Catalina Island Conservancy	(310) 510-1421
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(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:**

To protect sensitive species breeding and foraging habitat.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:**Strategy: 5-470.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART*Strategy:* This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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:* Access best by boat.*Land Access:* Access best by boat.*On-Water Limitations:* Limited services available at Avalon, Two Harbors and Catalina Harbor.*Facilities, Staging Areas, Command Posts, Available Equipment:**Communications Problems:**Additional Operational Comments:* Small aircraft can fly to Catalina Island.



5-510-A Site Summary - San Nicolas Island**5-510-A****County :** Ventura**ACP Division/Segment :****NOAA Chart :** 18740**Map Book :****Decimal Degrees :** 33.2479 -119.5011**Site Description:**

San Nicolas Island is the site of an attempt to establish a breeding colony of sea otters. Sea otters may occur within any of the nearshore zones around the island, but the majority of the marine mammal colonies are found at the west end of the island.

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

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

1A Exposed Rocky Shore

6A Gravel Beach

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	seabirds		Year-round
Birds	California brown pelican		Jun - Oct
Birds	cormorants		Year-round
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	Year-round
Mammals	California sea lion	FP	Year-round
Mammals	Northern elephant seal	FP	Year-round
Mammals	Southern sea otter	FT, SP	Dec - May
Plants	kelp beds		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
E	John Hodge/Associate Field Manager	Bureau of Land Management, Coastal Natl. Monum	(661) 301-1659
O	/	Catalina Island Conservancy	(310) 510-1421
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/Spill Coordinator (24hr)	US Fish and Wildlife Service	(760) 607-9768
T	/	US Fish and Wildlife Service, Ventura Office	(805) 644-1766
T	/	US Navy Duty Officer, San Nicolas Island	(805) 989-2370

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:

To protect sensitive species including a new colony of sea otters. There are several points on the island which may have one or more protected species. Location of deployment will depend on the direction of the incoming oil plume.

Hazard and Restrictions:

Watch weather and sea conditions.

Site Strategies:

Strategy: 5-510.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART
Strategy: This site is difficult to protect. Mechanical shoreline protection techniques are not likely to be effective because of high wave energy and rocky conditions at the site.

- a) Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- 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: Access best by boat.

Land Access: Access best by boat.

On-Water Limitations: Shallow reefs and thick kelp. No services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: Access is exclusively by boat and air. Contact Naval Command in Port Hueneme as work will be close to a Naval facility and access is restricted.



County : Santa Barbara **ACP Division/Segment :****NOAA Chart :** 18756**Map Book :****Decimal Degrees :**33.47681 -119.03512**Site Description:**

Santa Barbara Island lies approximately 70 miles south of Mugu Lagoon. It is about one square mile in size and most of the shoreline consists of vertical rock cliffs and wave-cut platforms, with scattered coarse-grained sand to gravel beaches. This island is very important for marine mammals and seabird nesting. Dispersant use should be considered for oil on deep water.

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

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

4 Coarse-grained sand beaches

5 Mixed sand and gravel beaches

6A Gravel Beach

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	California brown pelican		Year-round
Birds	Scripps's murrelet	ST	Year-round
Birds	shorebirds		Year-round
Birds	seabirds		Year-round
Invertebrates	black abalone	FE	Year-round
Mammals	harbor seal	FP	Year-round
Mammals	California sea lion	FP	Year-round
Mammals	Northern elephant seal	FP	Year-round
Plants	surfgrass		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
C	/	Office of Historic Preservation	(916) 445-7000
C	/	South Central Coastal Information Center	(657) 278-5395
T	Becky Ota/Marine Conservation Manager	California Department of Fish & Wildlife, MPAs	(650) 631-6789
T	/24hr	Channel Islands National Marine Sanctuary	(805) 729-1271
T	/Deputy Superintendent	Channel Islands National Marine Sanctuary	(805) 448-9971
T	/Sanctuary Superintendent	Channel Islands National Marine Sanctuary	(805) 259-6540
T	Operations Manager/Emergency	Channel Islands National Marine Sanctuary	(805) 705-1790
T	Superintendent of Operations/Deputy	Channel Islands National Marine Sanctuary	(805) 689-8920
T	/Dispatch	Channel Islands National Park	(559) 565-4221
T	/Protected Resources	NOAA National Marine Fisheries Service	(562) 980-4020
T	Justin Viezbicke/Marine Mammal Stranding	NOAA National Marine Fisheries Service	(562) 506-4315
T	Melissa Neuman/Marine Biologist	NOAA National Marine Fisheries Service	(562) 481-4594
T	/	US Fish and Wildlife Service, Ventura Office	(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:

See Channel Islands Response Overview document in section 9814 - Channel Islands.

Concerns and Advice to Responders:

To protect sensitive species and habitat. There are several points on the island which may have one or more protected species. Trustee agencies may not sanction onshore response activities. Refer to and comply with the Channel Islands Response Overview document in section 9814 - Channel Islands.

Hazard and Restrictions:

Conditions around Santa Barbara Island are variable and the ocean can be unforgiving. Only experienced captains with vessels capable of withstanding severe weather are advised to make the passage to Santa Barbara Island. Major shipping lanes lie between the island and the mainland.

Site Strategies:

Strategy: 5-550.1 Objective: No Onsite Options: Consider Offshore Containment/Recovery/ART

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

- a) Recommended response strategy is on-water containment and recovery (e.g. towed boom arrays).
- b) Pursue feasibility of alternative response technologies (e.g. dispersants and in-situ burning) to reduce the volume of oil reaching the site. Before initiating any response activities within the Channel Islands National Marine Sanctuary or Channel Islands National Park, refer to and comply with the Channel Islands Response Overview document in section 9814 - Channel Islands.

Table of Response Resources

Last Page Update**Logistics:**

Directions: Access by boat only. All access to the Channel Islands must be coordinated with the National Parks and must follow biosecurity protocols. For more information refer to the Channel Islands Response Overview document in section 9814 - Channel Islands.

Land Access: No road or vehicle access.

On-Water Limitations: Shallow reefs and thick kelp. No services available.

Facilities, Staging Areas, Command Posts, Available Equipment:

Communications Problems:

Additional Operational Comments: Contact the Channel Islands National Park. Santa Barbara Island is designated as part of a National Park, a National Marine Sanctuary, an "Area of Special Biological Significance" (ASBS) and is included in the International Biosphere Preserve Program. Trustee agencies may not sanction beach cleanup activities that interfere with marine mammals and/or bird populations. Every method to keep oil from coming ashore should be considered. The National Park Service reserves the right to deny access to anyone at any given time as circumstances dictate. See Channel Islands Response Overview document in section 9814 - Channel Islands.



9816.3 Economic Sensitive Sites

Refer to Section 9805 for more information.

9816.3 Economic Sensitive Sites - Los Angeles County Coastal

Leo Carrillo State Beach	5-1-LA-100-E	<i>Parks, Beaches, Recreational Areas</i>	E
36000 Pacific Coast Highway	Operational Divison: LA-A	34.04655	-118.9329
Malibu CA 90265			
Beach - camping and day use with fees. Whale watching, wind surfing, surfing, and diving.			
Nicholas Canyon Beach	5-1-LA-105-E	<i>Parks, Beaches, Recreational Areas</i>	E
33850 Pacific Coast Highway	Operational Divison: LA-A	34.04416	-118.9142
Malibu CA 90265			(424) 526-7777
Beach - day use with fee.			
El Pescador State Beach	5-1-LA-110-E	<i>Parks, Beaches, Recreational Areas</i>	E
32860 Pacific Coast Highway	Operational Divison: LA-A	34.04085	-118.8907
Malibu CA 90265			(310) 457-1324
Beach - day use with fee.			
La Piedra State Beach	5-1-LA-115-E	<i>Parks, Beaches, Recreational Areas</i>	E
32700 Pacific Coast Highway	Operational Divison: LA-A	34.04021	-118.8863
Malibu CA 90265			(818) 880-0363
Beach - day use with fee.			
El Matador State Beach	5-1-LA-120-E	<i>Parks, Beaches, Recreational Areas</i>	E
32350 Pacific Coast Highway	Operational Divison: LA-A	34.03951	-118.8757
Malibu CA 90265			(818) 880-0363
Beach - day use with fee.			
Zuma Beach County Park	5-1-LA-125-E	<i>Parks, Beaches, Recreational Areas</i>	E
30050 block of Pacific Coast Highway	Operational Divison: LA-A	34.01598	-118.8188
Malibu CA 90265			
Beach - day use with fee.			
Point Dume State Beach & Nat. Preserve	5-1-LA-130-E	<i>Parks, Beaches, Recreational Areas</i>	E
6800 Westward Beach Rd	Operational Divison: LA-B	34.00433	-118.4545
Malibu CA 90265			(310) 457-8143
Beach park.			
Paradise Cove	5-1-LA-135-E	<i>Parks, Beaches, Recreational Areas</i>	E
28128 Pacific Coast Highway	Operational Divison: LA-B	34.02061	-118.7891
Malibu CA			
Beach - private. Day use with fee.			
Escondido Creek Beach	5-1-LA-140-E	<i>Parks, Beaches, Recreational Areas</i>	E
27200 block of Pacific Coast Highway	Operational Divison: LA-B	34.02561	-118.7648
Malibu CA			
Beach - day use.			

9816.3 Economic Sensitive Sites - Los Angeles County Coastal

Dan Blocker County Beach	<i>5-1-LA-145-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
26000 block of Pacific Coast Highway	Operational Divison: LA-B	34.03314	-118.7292
Malibu CA 90265			
Beach - day use.			
Malibu Lagoon State Park	<i>5-1-LA-150-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
23200 Pacific Coast Highway	Operational Divison: LA-C	34.03399	-118.6842
Malibu CA 90265			
Park with beach, lagoon, and museum.			
Malibu Surfrider Beach	<i>5-1-LA-155-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
23050 Pacific Coast Highway	Operational Divison: LA-C	34.03493	-118.6800
Malibu CA 90265		(424) 526-7777	
Beach - day use with a popular surf break.			
Malibu Pier	<i>5-1-LA-160-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
23000 Pacific Coast Highway	Operational Divison: LA-C	34.03734	-118.6757
Malibu CA 90265		(888) 310-7437	
Pier.			
Las Tunas Beach	<i>5-1-LA-165-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
19444 Pacific Coast Highway	Operational Divison: LA-C	34.03942	-118.5964
Malibu CA 90265		(424) 526-7777	
Beach - day use.			
Topanga Beach	<i>5-1-LA-170-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
18700 Pacific Coast Highway	Operational Divison: LA-C	34.03987	-118.5792
Malibu CA 90265			
Beach - day use.			
Will Rogers State Beach	<i>5-1-LA-175-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
17700 Pacific Coast Highway	Operational Divison: LA-D	34.03583	-118.5356
Pacific Palisades CA 90272		(424) 526-7777	
Beach - day use.			
Santa Monica State Beach	<i>5-1-LA-180-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
100 - 2900 Ocean Ave.	Operational Divison: LA-D	34.02541	-118.517
Santa Monica CA 90401			
Beach - day use. Starts at 34.02541 118.51695 and ends at 33.99646 118.48334.			
Santa Monica Municipal Pier	<i>5-1-LA-185-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
200 Santa Monica Pier	Operational Divison: LA-D	34.01062	-118.4952
Santa Monica CA		(310) 458-8900	
Pier with restaurants, amusement rides, entertainment, and fishing.			

9816.3 Economic Sensitive Sites - Los Angeles County Coastal

Santa Monica County Beach	<i>5-1-LA-190-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
1500 block of Pacific Coast Highway	Operational Divison: LA-D	34.01022	-118.4957
Santa Monica CA			
Beach - day use with access to Santa Monica Municipal Pier.			
Venice City Beach	<i>5-1-LA-195-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
2700 - 3100 Ocean Front Walk	Operational Divison: LA-D	33.99455	-118.4796
Venice CA 90291			
Beach - day use with a popular boardwalk.			
Venice Pier	<i>5-1-LA-200-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
Washington Blvd. and Ocean Front Walk	Operational Divison: LA-D	33.97905	-118.4660
Venice CA			
Pier - fishing.			
Marina Del Rey Harbor	<i>5-1-LA-305-E</i>	<i>Vessel Traffic Areas</i>	E
	Operational Divison: LA-D	33.96175	-118.4610
Marina Del Rey CA			
Harbor with public boat slips, marine supplies, fuel docks, charter fishing, shops, restaurants, and hotels. See following pages for economical sites within Marina Del Rey Harbor.			
Dockweiler RV Park	<i>5-1-LA-310-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
12001 Vista Del Mar	Operational Divison: LA-E	33.93079	-118.4351
Playa Del Rey CA 90293			(800) 950-7275
Beach - recreational vehicle camping with fee.			
Dockweiler State Beach	<i>5-1-LA-315-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
12001 Vista Del Mar	Operational Divison: LA-E	33.9222	-118.4309
Playa Del Rey CA 90293			
Beach - day use with fee.			
Manhattan Beach	<i>5-1-LA-320-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
400 - 4500 The Strand	Operational Divison: LA-E	33.89354	-118.4167
Manhattan Beach CA 90266			
Beach - day use.			
Manhattan Beach Pier	<i>5-1-LA-325-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
Manhattan Beach Blvd. & the Strand	Operational Divison: LA-E	33.88441	-118.4119
Manhattan Beach CA 90266			
Pier - fishing.			
Roundhouse Marine Studies Lab/Aquariu	<i>5-1-LA-330-D</i>	<i>Aquariums/Marine Labs</i>	D
End of Manhattan Beach Pier	Operational Divison: LA-E	33.88339	-118.4146
Manhattan Beach CA 90266			(310) 379-8117
An aquarium and marine research facility located at the end of the Manhattan Beach Pier.			

9816.3 Economic Sensitive Sites - Los Angeles County Coastal

Hermosa Beach	5-1-LA-335-E	<i>Parks, Beaches, Recreational Areas</i>	E
Hermosa Ave. & 33rd St.	Operational Divison: LA-E	33.86908	-118.4042
Hermosa Beach CA 90254			
Beach - day use.			
Hermosa Beach Pier	5-1-LA-340-E	<i>Parks, Beaches, Recreational Areas</i>	E
Pier Ave. & the Strand	Operational Divison: LA-E	33.86229	-118.4002
Hermosa Beach CA 90254			(310) 318-0239
Pier - fishing.			
King Harbor	5-1-LA-370-E	<i>Vessel Traffic Areas</i>	E
W. of Harbor Dr.	Operational Divison: LA-E	33.84145	-118.3948
Redondo Beach CA 90277			
Harbor with public boat slips, marine supplies, fuel docks, charter fishing, shops, restaurants, and hotels. See following pages for economical sites within King Harbor.			
Redondo Beach Pier	5-1-LA-380-E	<i>Parks, Beaches, Recreational Areas</i>	E
100 W. Torrance Blvd.	Operational Divison: LA-E	33.8397	-118.39
Redondo Beach CA 90277			
Pier - restaurants, shopping, entertainment, and fishing.			
Monstad Pier	5-1-LA-385-E	<i>Parks, Beaches, Recreational Areas</i>	E
100 W. Torrance Blvd.	Operational Divison: LA-E	33.83887	-118.3908
Redondo Beach CA 90277			
Pier - restaurants, shopping, entertainment, and fishing.			
Redondo Beach	5-1-LA-390-E	<i>Parks, Beaches, Recreational Areas</i>	E
400 - 1700 Esplanade	Operational Divison: LA-E	33.82555	-118.3901
Redondo Beach CA 90277			
Beach - day use.			
Torrance Beach	5-1-LA-395-E	<i>Parks, Beaches, Recreational Areas</i>	E
387 Paseo de la Playa	Operational Divison: LA-E	33.81317	-118.3901
Torrance CA 90501			
Beach - day use.			
Malaga Cove	5-1-LA-400-E	<i>Parks, Beaches, Recreational Areas</i>	E
300 block of Paseo Del Mar	Operational Divison: LA-F	33.80206	-118.3957
Palos Verdes Estates CA 90274			
Beach - day use.			
White Point Beach/Royal Palms	5-1-LA-405-E	<i>Parks, Beaches, Recreational Areas</i>	E
1799 Paseo Del Mar	Operational Divison: LA-F	33.7166	-118.3187
San Pedro CA 90732			
Beach - day use.			

9816.3 Economic Sensitive Sites - Los Angeles County Coastal

Los Angeles Harbor 5-2-LA-100-E *Vessel Traffic Areas E*
West end of San Pedro Bay Operational Divison: LA-G 33.70965 -118.2483
CA

Harbor - cargo and passenger terminals, commercial fishing fleet, bait, tackle, marinas, boat launches, and marine terminals. See following pages for economical sites within Los Angeles Harbor.

Long Beach Harbor 5-2-LA-400-E *Vessel Traffic Areas E*
Operational Divison: LA-G 33.72329 -118.1835

Harbor - cargo and passenger terminals, bait, tackle, marinas, boat launches, and marine supplies. See following pages for economical sites within Long Beach Harbor.

Alamitos Bay 5-2-LA-660-E *Vessel Traffic Areas E*
205 N Marina Dr Operational Divison: LA-H 33.74147 -118.1184
Long Beach CA (562) 570-3215

Protected embayment with marinas, beaches, and marine repair. See following pages for economical sites within Alamitos Bay.

9816.3 Economic Sensitive Sites - Los Angeles County Marina Del Rey

Marina Harbor Anchorage	5-1-LA-205-E	<i>Marinas/Houseboat Areas</i>	E
14120 Tahiti Way	Operational Divison: LA-D	33.97163	-118.4557
Marina Del Rey CA 90292			(310) 822-6800
Berthing: 300			
Bay Club	5-1-LA-210-E	<i>Marinas/Houseboat Areas</i>	E
14015 Tahiti Way	Operational Divison: LA-D	33.97392	-118.4539
Marina Del Rey CA 90292			(310) 821-2542
Berthing: 250			
Tahiti Marina	5-1-LA-215-E	<i>Marinas/Houseboat Areas</i>	E
13900 Tahiti Way	Operational Divison: LA-D	33.97414	-118.452
Marina Del Rey CA 90292			(310) 823-4504
Berthing: 224			
Neptune Marina	5-1-LA-220-E	<i>Marinas/Houseboat Areas</i>	E
14126 Marquesa Way, Suite A	Operational Divison: LA-D	33.97637	-118.4577
Marina Del Rey CA 90292			(310) 823-4555
Berthing: 184			
Villa Del Mar	5-1-LA-225-E	<i>Marinas/Houseboat Areas</i>	E
13999 Marquesas Way	Operational Divison: LA-D	33.97656	-118.4556
Marina Del Rey CA 90292			(310) 823-4644
Berthing: 205			
Esprit Marina	5-1-LA-230-E	<i>Marinas/Houseboat Areas</i>	E
13900 Marquesas Way	Operational Divison: LA-D	33.97631	-118.452
Marina Del Rey CA 90292			(310) 305-3700
Berthing: 227			
Bar Harbor	5-1-LA-235-E	<i>Marinas/Houseboat Areas</i>	E
4242 Via Marina	Operational Divison: LA-D	33.97781	-118.4589
Marina Del Rey CA 90292			(310) 823-4689
Berthing: 256			
Holiday Harbor - Marina Del Rey	5-1-LA-240-E	<i>Marinas/Houseboat Areas</i>	E
13924 Panay Way	Operational Divison: LA-D	33.97905	-118.4549
Marina Del Rey CA 90292			(310) 578-0566
Berthing: 218			
Panay Marina	5-1-LA-245-E	<i>Marinas/Houseboat Areas</i>	E
13953 W. Panay Way	Operational Divison: LA-D	33.97905	-118.4536
Marina Del Rey CA 90292			(310) 578-0566
Berthing: 167			

9816.3 Economic Sensitive Sites - Los Angeles County Marina Del Rey

The Dolphin Marina	5-1-LA-250-E	<i>Marinas/Houseboat Areas</i>	E
13924 Panay Way	Operational Divison: LA-D	33.97903	-118.4519
Marina Del Rey CA 90292		(310) 578-0566	
Berthing: 478			
Mother's Beach	5-1-LA-255-E	<i>Parks, Beaches, Recreational Areas</i>	E
4135 Admiralty Way	Operational Divison: LA-D	33.98194	-118.4588
Marina Del Rey CA 90292		(424) 526-7777	
Beach - day use. Within the harbor.			
Mariners Bay	5-1-LA-260-E	<i>Marinas/Houseboat Areas</i>	E
14000 Palawan Way, Suite B	Operational Divison: LA-D	33.9819	-118.4561
Marina Del Rey CA 90292		(310) 822-2001	
Berthing: 409			
Marina City Club	5-1-LA-265-E	<i>Marinas/Houseboat Areas</i>	E
4333 Admiralty Way	Operational Divison: LA-D	33.98482	-118.4549
Marina Del Rey CA 90292		(310) 822-0611	
Berthing: 348			
California Yacht Club	5-1-LA-270-E	<i>Marinas/Houseboat Areas</i>	E
4469 Admiralty Way	Operational Divison: LA-D	33.98362	-118.4454
Marina Del Rey CA 90292		(310) 823-4567	
Berthing: 325			
Catalina Yacht Anchorage	5-1-LA-275-E	<i>Marinas/Houseboat Areas</i>	E
13505 Bali Way	Operational Divison: LA-D	33.98082	-118.4446
Marina Del Rey CA 90292		(310) 822-0669	
Berthing: 160			
Marina Del Rey Hotel Marina	5-1-LA-280-E	<i>Marinas/Houseboat Areas</i>	E
13534 Bali Way	Operational Divison: LA-D	33.98151	-118.4431
Marina Del Rey CA 90292		(310) 301-1000	
Berthing: 363			
Pier 44	5-1-LA-285-E	<i>Marinas/Houseboat Areas</i>	E
4637 Admiralty Way	Operational Divison: LA-D	33.98081	-118.4409
Marina Del Rey CA 90744		(310) 823-4593	
Berthing: 412			
Santa Monica Yacht Club	5-1-LA-290-E	<i>Marinas/Houseboat Areas</i>	E
13589 Mindanao Way	Operational Divison: LA-D	33.97786	-118.444
Marina Del Rey CA 90292		(310) 827-7692	
Berthing: 200			

9816.3 Economic Sensitive Sites - Los Angeles County Marina Del Rey

The Boat Yard	<i>5-1-LA-295-E</i>	<i>Marinas/Houseboat Areas</i>	E
13555 Fiji Way		Operational Divison: LA-D	33.97586 -118.4419
Marina Del Rey	CA 90292		(310) 823-8964
Berthing: 108			
Fisherman's Village	<i>5-1-LA-300-E</i>	<i>Marinas/Houseboat Areas</i>	E
13755 Fiji Way		Operational Divison: LA-D	33.97175 -118.4461
Marina Del Rey	CA 90292		
Shops, restaurants, and sportfishing charters.			

9816.3 Economic Sensitive Sites - Los Angeles County Redondo King Harbor

<p>King Harbor Marina 208 Yacht Club Way Redondo Beach CA 90277 Berthing: 837</p>	<p>5-1-LA-345-E</p>	<p><i>Marinas/Houseboat Areas</i> E Operational Divison: LA-E 33.8515 -118.3981 (310) 376-6926</p>
<p>SEA Laboratory 1021 N. Harbor Dr. Redondo Beach CA 90277 Research and hatchery facility.</p>	<p>5-1-LA-350-D</p>	<p><i>Aquariums/Marine Labs</i> D Operational Divison: LA-E 33.85195 -118.3971 (310) 318-7438</p>
<p>Portofino Hotel and Marina 260 Portofina Way Redondo Beach CA 90277 Berthing: 234</p>	<p>5-1-LA-355-E</p>	<p><i>Marinas/Houseboat Areas</i> E Operational Divison: LA-E 33.84579 -118.3974 (310) 379-8481</p>
<p>Port Royal Marina 555 N. Harbor Dr. Redondo Beach CA 90277 Berthing: 348</p>	<p>5-1-LA-360-E</p>	<p><i>Parks, Beaches, Recreational Areas</i> E Operational Divison: LA-E 33.84504 -118.3926 (310) 376-0431</p>
<p>Redondo Sportfishing Pier 233 N. Harbor Dr. Redondo Beach CA 90277 Pier - pier and charter boat fishing.</p>	<p>5-1-LA-365-E</p>	<p><i>Parks, Beaches, Recreational Areas</i> E Operational Divison: LA-E 33.8436 -118.3935 (310) 372-2111</p>
<p>Redondo Beach Marina 181 N. Harbor Dr. Redondo Beach CA 90277 Berthing: 58</p>	<p>5-1-LA-375-E</p>	<p><i>Marinas/Houseboat Areas</i> E Operational Divison: LA-E 33.84198 -118.3923 (310) 374-3481</p>

9816.3 Economic Sensitive Sites - Los Angeles County Los Angeles Harbor

Cabrillo Beach Fishing Pier	<i>5-2-LA-104-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
3720 Stephen M. White Dr.		Operational Divison: LA-G	33.70803 -118.2777
San Pedro CA 90731			
Pier - fishing.			
Cabrillo Beach	<i>5-2-LA-105-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
3720 Stephen M. White Dr.		Operational Divison: LA-G	33.71159 -118.2831
San Pedro CA 90731			
Beach - day use and public boat launch ramp.			
Cabrillo Marine Aquarium	<i>5-2-LA-110-D</i>	<i>Aquariums/Marine Labs</i>	D
3720 Stephen M. White Dr.		Operational Divison: LA-G	33.71146 -118.2854
San Pedro CA 90731			(310) 548-7562
Marine aquarium.			
Cabrillo Marina	<i>5-2-LA-115-E</i>	<i>Marinas/Houseboat Areas</i>	E
224 Whalers Walk		Operational Divison: LA-G	33.71825 -118.2798
San Pedro CA 90733			(310) 732-2252
LA Berths 29 - 33. Berthing: 885			
Coast Maritime Services	<i>5-2-LA-116E</i>	<i>Port/Harbor Facilities</i>	E
2500 Via Cabrillo Marina Suite 308		Operational Divison: LA-G	
San Pedro CA 90733			(310) 521-8748
Holiday Harbor-San Pedro	<i>5-2-LA-120-E</i>	<i>Marinas/Houseboat Areas</i>	E
241 Watchorn Walk, Berth 34		Operational Divison: LA-G	33.72273 -118.2822
San Pedro CA 90731			(310) 833-4468
Berthing: 300			
Cabrillo Landing	<i>5-2-LA-125-E</i>	<i>Marinas/Houseboat Areas</i>	E
291 W. 22nd St.		Operational Divison: LA-G	33.72386 -118.2834
San Pedro CA 90731			(310) 519-1694
Berthing: 200			
Cabrillo Beach Yacht Club	<i>5-2-LA-130-E</i>	<i>Marinas/Houseboat Areas</i>	E
211 W. 22nd St.		Operational Divison: LA-G	33.72426 -118.2821
San Pedro CA 90833			(310) 519-1694
LA Berth 35. Berthing: 157.			
Skipper's 22nd St. Landing	<i>5-2-LA-135-E</i>	<i>Marinas/Houseboat Areas</i>	E
141 W. 22nd St.		Operational Divison: LA-G	33.72466 -118.2807
San Pedro CA 90731			(310) 832-8304
Berthing: 25. Open party and charter boat sportfishing.			

9816.3 Economic Sensitive Sites - Los Angeles County Los Angeles Harbor

Cabrillo Way Marina	5-2-LA-140-E	<i>Marinas/Houseboat Areas</i>	E
2293 Miner St		Operational Divison: LA-G	33.71895 -118.2766
San Pedro CA 90833			(310) 514-4985
LA Berths 42 - 43. Berthing: 438			
LA City Fire Station 110	5-2-LA-145-E	<i>Fire/Safety</i>	
2945 Miner St., Berth 44-A		Operational Divison: LA-G	33.71702 -118.2764
San Pedro CA 90731			(310) 548-7545
Berth 43. Fire boat #5.			
Stevedoring Services of America	5-2-LA-150-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
Berth 54/55		Operational Divison: LA-G	33.72454 -118.2760
San Pedro CA 90731		Total Berth Length: 1340 ft.	(310) 833-9606
LA Berths 54 - 55. Meat and produce shipping.			
U.S. Water Taxi	5-2-LA-151-E	<i>Port/Harbor Facilities</i>	E
Berth 60, Signal St.		Operational Divison: LA-G	33.71982 -118.2729
San Pedro CA 90731			(310) 519-8230
LA Berth 60			
The Jankovich Co.	5-2-LA-155-E	<i>Port/Harbor Facilities</i>	E
Berth 73		Operational Divison: LA-G	33.72799 -118.2740
San Pedro CA 90731			(310) 547-3305
LA Berth 73. Fuel Dock.			
Ports O'Call Village	5-2-LA-160-E	<i>Parks, Beaches, Recreational Areas</i>	E
Berth 76, Nagoya Way		Operational Divison: LA-G	33.73188 -118.2758
San Pedro CA 90731			
Shops, restaurants, and sport fishing charters.			
San Pedro Marina	5-2-LA-165-E	<i>Marinas/Houseboat Areas</i>	E
950 Samson Way, Berth 80		Operational Divison: LA-G	33.73673 -118.2782
San Pedro CA 90731			
Berthing: 86			
LA City Fire Station 112	5-2-LA-170-E	<i>Fire/Safety</i>	
444 S. Harbor Blvd., Berth 86		Operational Divison: LA-G	33.73858 -118.2783
San Pedro CA 90731			(310) 548-7542
LA Berths 85 - 86. Fire boat #2.			
Crowley Marine Services	5-2-LA-175-E	<i>Port/Harbor Facilities</i>	E
300 S. Harbor Blvd.		Operational Divison: LA-G	33.74002 -118.2783
San Pedro CA 90731			(310) 732-6550
LA Berth 86. Tug and tow service.			

9816.3 Economic Sensitive Sites - Los Angeles County Los Angeles Harbor

<p>Torrance Logistics Southwest Terminal LA Berths 238 - 240C</p>	<p>5-2-LA-180-E</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E Operational Divison: LA-G 33.73417 -118.2734 Total Berth Length: 903 ft. (310) 241-5021</p>
<p>Southern California Marine Inst. 820 S. Seaside Ave. Terminal Island CA 90731 Research facility with fish tanks.</p>	<p>5-2-LA-185-D</p>	<p><i>Aquariums/Marine Labs</i> D Operational Divison: LA-G 33.73607 -118.2703 (310) 519-3172</p>
<p>SoCal Ship Services 971 S. Seaside Ave. Terminal Island CA 90731 LA Berth 240X. Various services to the marine industry, including spill response.</p>	<p>5-2-LA-190-E</p>	<p><i>Port/Harbor Facilities</i> E Operational Divison: LA-G 33.73525 -118.2708 (310) 519-8411</p>
<p>General Petroleum 1028 Seaside Ave. Terminal Island CA 90731 Fuel Dock</p>	<p>5-2-LA-195-E</p>	<p><i>Port/Harbor Facilities</i> E Operational Divison: LA-G 33.73493 -118.2689 (310) 832-4454</p>
<p>Al Larson Boat Shop 1046 Seaside Ave. Terminal Island CA 90731 LA Berth 258. Vessel repair yard.</p>	<p>5-2-LA-200-E</p>	<p><i>Ship/Boat Repair</i> E Operational Divison: LA-G 33.73377 -118.2682 (310) 514-4100</p>
<p>Al Larson's Marina 1046 S Seaside Ave/Berth 258 Terminal Island CA 90731 LA Berth 258. Berthing: 128.</p>	<p>5-2-LA-205-E</p>	<p><i>Marinas/Houseboat Areas</i> E Operational Divison: LA-G 33.73236 -118.2682 (310) 514-4100</p>
<p>LA City Fire Station 111 1444 S. Seaside. Ave., Berth 256 San Pedro CA 90731 Fire boat #1.</p>	<p>5-2-LA-210-E</p>	<p><i>Fire/Safety</i> Operational Divison: LA-G 33.73009 -118.2678 (310) 548-7541</p>
<p>American Marine Corp. 1500 S. Barracuda St. Terminal Island CA 90731 LA Berths 270 - 271. Marine support services.</p>	<p>5-2-LA-215-E</p>	<p><i>Port/Harbor Facilities</i> E Operational Divison: LA-G 33.73317 -118.2635 (310) 832-3321</p>
<p>Millennium Maritime Inc. 1610 Barracuda Street Wilmington CA 90744 LA Berth 74. Tug and tow service.</p>	<p>5-2-LA-216-E</p>	<p><i>Port/Harbor Facilities</i> E Operational Divison: LA-G (310) 549-1700</p>

9816.3 Economic Sensitive Sites - Los Angeles County Los Angeles Harbor

Westoil Marine Services Inc.	<i>5-2-LA-217-E</i>	<i>Port/Harbor Facilities</i>	E
1610 Barracuda Street		Operational Divison: LA-G	
Wilmington CA 90744			(310) 549-2800
Barge service.			
Everport Terminal Services	<i>5-2-LA-218-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
389 Terminal Island Way		Operational Divison: LA-G	33.74196 -118.2741
Terminal Island CA 90731		Total Berth Length: 4700 ft.	(310) 221-0220
LA Berths 226 - 236. Containerized cargo.			
Catalina Express Terminal	<i>5-2-LA-220-E</i>	<i>Ferries/Tour Boats</i>	E
385 E. Swinford Street		Operational Divison: LA-G	33.74866 -118.2801
San Pedro CA 90731		Total Berth Length: 100 ft.	(562) 485-3200
Passenger boat to Santa Catalina Island.			
World Cruise Center	<i>5-2-LA-225-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
100 Swinford St		Operational Divison: LA-G	33.74674 -118.275
San Pedro CA 90731			(310) 519-2342
LA Berths 91 - 93. Several services for the Cruise industry. Several cruise lines use operate at this facility.			
West Basin Container Terminal	<i>5-2-LA-230-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
2050 John S. Gibson Blvd.		Operational Divison: LA-G	33.75293 -118.2749
San Pedro CA 90731		Total Berth Length: 1200 ft.	(310) 519-2349
LA Berths 100. Containerized cargo.			
Kinder Morgan	<i>5-2-LA-235-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
		Operational Divison: LA-G	33.75631 -118.2802
		Total Berth Length: 825 ft.	(310) 831-6566
LA Berths 118 - 120. Petroleum shipping.			
Trans Pacific Container Service Corp.	<i>5-2-LA-240-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
920 W. Harry Bridges Blvd.		Operational Divison: LA-G	33.76661 -118.2740
Wilmington CA 90744		Total Berth Length: 4050 ft.	(310) 830-2000
LA Berths 135 - 139. Containerized cargo.			
ConocoPhillips	<i>5-2-LA-245-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
		Operational Divison: LA-G	33.75494 -118.2729
		Total Berth Length: 1328 ft.	(310) 952-6200
LA Berths 148 - 151. Petroleum shipping.			
Crescent Warehouse Co.	<i>5-2-LA-250-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
267 E 22nd St.		Operational Divison: LA-G	33.7547 -118.2698
San Pedro CA 90731			(562) 256-2524
LA Berth 153. Warehouse facilities.			

9816.3 Economic Sensitive Sites - Los Angeles County Los Angeles Harbor

Port of Los Angeles	5-2-LA-255-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
		Operational Divison: LA-G	33.75789 -118.2701
			(310) 732-3860
LA Berth 155. Warehouse facilities.			
Shell	5-2-LA-260-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
		Operational Divison: LA-G	33.75478 -118.2679
		Total Berth Length: 1238 ft.	(310) 816-2307
LA Berths 167 - 169. Petroleum shipping.			
Rio Tinto Minerals	5-2-LA-265-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
300 Falcon St.		Operational Divison: LA-G	33.75763 -118.2679
Wilmington CA 90744		Total Berth Length: 679 ft.	(310) 522-5369
LA Berths 165 - 166. Industrial borate shipping.			
Ultramar/Valero Marine Terminal	5-2-LA-270-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
961 S La Paloma Ave		Operational Divison: LA-G	33.75987 -118.2676
Wilmington CA 90744		Total Berth Length: 488 ft.	(310) 834-7254
LA Berth 164. Petroleum shipping.			
Nustar/Shore Terminals	5-2-LA-271-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
841 S. La Paloma Ave.		Operational Divison: LA-G	33.76075 -118.2669
Wilmington CA 90744		Total Berth Length: 400 ft.	(310) 816-1200
LA Berth 163. Petroleum shipping.			
Pasha Stevedoring Terminals	5-2-LA-275-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
802 S. Fries Ave.		Operational Divison: LA-G	33.76405 -118.2625
Wilmington CA 90744		Total Berth Length: 3300 ft.	(310) 835-9869
LA Berths 174 - 181. Steel shipping.			
Wilmington Marine Service	5-2-LA-276-E		<i>Ship/Boat Repair</i> E
801 S Fries Ave		Operational Divison: LA-G	33.76157 -118.266
Wilmington CA 90744			(310) 834-1186
LA Berth 162. Small vessel repair yard.			
Seaway Company of Catalina	5-2-LA-280-E		<i>Port/Harbor Facilities</i> E
100 W. Water St.		Operational Divison: LA-G	33.76626 -118.2622
Wilmington CA 90744			(310) 549-4004
LA Berth 184. Barge service to Santa Catalina Island.			
Public Service Marine Inc.	5-2-LA-281-E		<i>Port/Harbor Facilities</i> E
300 E. Water St.		Operational Divison: LA-G	
Wilmington CA 90744			(310) 549-1700
LA Berths 186 - 189. Tug and barge service.			

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Vopak	5-2-LA-285-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
		Operational Divison: LA-G	33.76468 -118.2599
		Total Berth Length: 2336 ft.	(310) 549-2308
LA Berths 187 - 191. Petroleum terminal.			
LA City Fire Station 49	5-2-LA-290-E		<i>Fire/Safety</i>
400 Yacht St., Berth 194		Operational Divison: LA-G	33.76541 -118.2555
Wilmington CA 90744			(310) 548-7549
Between Berths 194 and 195. Fire boats #4 and #49.			
Wallenius Wilhelmsen Logistics	5-2-LA-295-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
500 E. Water St.		Operational Divison: LA-G	33.76809 -118.2529
Wilmington CA 90744			(310) 835-8806
LA Berths 195 - 199. Automobile shipping terminal.			
Leeward Bay Marina	5-2-LA-300-E		<i>Marinas/Houseboat Areas</i>
611 Henry Ford Ave.		Operational Divison: LA-G	33.77703 -118.2426
Wilmington CA 90744			(310) 830-5621
Berthing: 190			
Island Yacht Anchorage 2	5-2-LA-305-E		<i>Marinas/Houseboat Areas</i>
700 Shore Rd		Operational Divison: LA-G	33.77353 -118.2467
Wilmington CA 90744			(310) 830-1111
Berthing: 125			
Holiday Harbor-Wilmington	5-2-LA-310-E		<i>Marinas/Houseboat Areas</i>
Berth 201, 701 Shore Rd.		Operational Divison: LA-G	33.76844 -118.2501
Wilmington CA 90744			(310) 835-3952
Berthing: 169			
California Yacht Marina	5-2-LA-315-E		<i>Marinas/Houseboat Areas</i>
Berth 202, #36		Operational Divison: LA-G	33.76731 -118.2510
Wilmington CA 90744			(310) 834-7113
Berthing: 266			
Yacht Haven	5-2-LA-320-E		<i>Marinas/Houseboat Areas</i>
Berth 202, 722 Peninsula Rd.		Operational Divison: LA-G	33.76731 -118.2499
Wilmington CA 90744			(310) 834-6892
Berthing: 165			
Pacific Yacht Landing	5-2-LA-325-E		<i>Marinas/Houseboat Areas</i>
Berth 203		Operational Divison: LA-G	33.76632 -118.2482
Wilmington CA 90744			(310) 830-0260
Berthing: 178			

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Newmark's Yacht Center	<i>5-2-LA-330-E</i>	<i>Marinas/Houseboat Areas</i>	E
Berth 204, 761 Peninsula Road		Operational Divison: LA-G	33.76457 -118.2486
Wilmington CA 90744			(310) 834-2830
Berthing: 250			
Colonial Yacht Anchorage	<i>5-2-LA-335-E</i>	<i>Marinas/Houseboat Areas</i>	E
Berth 204, Anchorage Rd.		Operational Divison: LA-G	33.76523 -118.2464
Wilmington CA 90744			(310) 830-1161
Berthing: 135			
Lighthouse Yacht Club	<i>5-2-LA-340-E</i>	<i>Marinas/Houseboat Areas</i>	E
1300 Anchorage Rd., Berth 205-B		Operational Divison: LA-G	33.76559 -118.245
Wilmington CA 90744			(310) 834-9595
Berthing: 70			
Cerritos Yacht Anchorage	<i>5-2-LA-345-E</i>	<i>Marinas/Houseboat Areas</i>	E
1400 Anchorage Rd		Operational Divison: LA-G	33.76607 -118.2435
Wilmington CA 90744			(310) 834-4737
Berthing: 90			
Island Yacht Anchorage 1	<i>5-2-LA-350-E</i>	<i>Marinas/Houseboat Areas</i>	E
1500 Anchorage Rd #205d		Operational Divison: LA-G	33.76648 -118.2414
Wilmington CA 90744			(310) 830-1111
Berthing: 100			
Port of Los Angeles Container Terminal	<i>5-2-LA-365-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
425 S. Palos Verdes St.		Operational Divison: LA-G	33.76254 -118.2494
San Pedro CA 90731		Total Berth Length: 2180 ft.	(310) 732-3508
LA Berths 206 - 209. Containerized cargo.			
SA Recycling	<i>5-2-LA-370-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
901 New Dock St.		Operational Divison: LA-G	33.76114 -118.2533
Terminal Island CA 90731		Total Berth Length: 1500 ft.	(310) 221-4900
LA Berths 210 - 211. Metal scrap shipping.			
Yusen Terminal	<i>5-2-LA-375-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
701 New Dock St.		Operational Divison: LA-G	33.75502 -118.2622
Terminal Island CA 90731		Total Berth Length: 5800 ft.	(310) 548-8000
LA Berths 212 - 225. Containerized cargo.			
APL Terminal	<i>5-2-LA-380-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
614 Terminal Way		Operational Divison: LA-G	33.73269 -118.2552
Terminal Island CA 90731		Total Berth Length: 4000 ft.	(310) 548-8815
LA Berths 302 - 305. Containerized cargo.			

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California United Terminals	<i>5-2-LA-385-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
2525 Navy Way		Operational Divison: LA-G	33.72663 -118.2593
Terminal Island CA 90731		Total Berth Length: 2000 ft.	(310) 521-5000
LA Berths 405 - 406. Containerized cargo.			
APM Terminal	<i>5-2-LA-390-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
2500 Navy Way		Operational Divison: LA-G	33.73108 -118.2511
Terminal Island CA 90731		Total Berth Length: 7190 ft.	(310) 221-4000
LA Berths 401 - 404. Containerized cargo.			
Pacific Tugboat Service, Inc.	<i>5-2-LA-455-E</i>	<i>Port/Harbor Facilities</i>	E
1512 W. Pier C St.		Operational Divison: LA-G	33.77109 -118.2133
Long Beach CA 90802			(562) 590-8188
LB C58. Tug and tow service.			
Sause Bros. Ocean Towing	<i>5-2-LA-476-E</i>	<i>Port/Harbor Facilities</i>	E
1607 Pier D St.		Operational Divison: LA-G	
Long Beach CA 90802			(562) 901-0365
Tug and tow service.			
Foss Maritime Co.	<i>5-2-LA-490-E</i>	<i>Port/Harbor Facilities</i>	E
Berth 35 Pier D St.		Operational Divison: LA-G	33.76235 -118.2192
Long Beach CA 90802			(562) 435-0171
LB D35. Tug and tow service.			

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<p>Vopak Terminal Long Beach 3601 Dock St. San Pedro CA 90731 LB S101. Petroleum terminal.</p>	<p>5-2-LA-355-E Operational Divison: LA-G Total Berth Length: 700 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.76494 -118.2410 (310) 549-0961</p>
<p>Nielsen Beaumont Pier S, Berth 100 Long Beach CA 90731 Berthing: 40</p>	<p>5-2-LA-360-E Operational Divison: LA-G</p>	<p><i>Marinas/Houseboat Areas</i> E 33.76374 -118.2445 (310) 521-1972</p>
<p>TTI 301 Hanjin Rd. Long Beach CA 90802 LB T132 - T140. Containerized Cargo.</p>	<p>5-2-LA-395-E Operational Divison: LA-G Total Berth Length: 5000 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.75381 -118.2346 (562) 256-2700</p>
<p>Fremont Forest 800 Pier T Ave. Long Beach CA 90802 LB T122. Lumber and lumber products.</p>	<p>5-2-LA-405-E Operational Divison: LA-G Total Berth Length: 600 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.75447 -118.2186 (760) 955-7756</p>
<p>Tesoro Logistics 1350 Pier B St. Long Beach CA 90813 LB T121. Petroleum terminal.</p>	<p>5-2-LA-410-E Operational Divison: LA-G Total Berth Length: 1140 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.75696 -118.2189 (562) 499-2210</p>
<p>SA Recycling 482 Pier T Ave. Berth 118 Long Beach CA 90802 LB T118. Recyclable metal and steel products.</p>	<p>5-2-LA-415-E Operational Divison: LA-G Total Berth Length: 900 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.76048 -118.2201 (562) 628-8100</p>
<p>Tesoro/Andeavor Berth 84, Pier B Long Beach CA 90802 LB B84 - B87. Petroleum terminal.</p>	<p>5-2-LA-420-E Operational Divison: LA-G Total Berth Length: 1980 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77204 -118.2221 (310) 522-6955</p>
<p>Petro-Diamond 1920 Lugger Way Long Beach CA 90813 LB B82 - B83. Petroleum terminal.</p>	<p>5-2-LA-425-E Operational Divison: LA-G Total Berth Length: 1060 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77376 -118.219 (562) 435-8364</p>
<p>Toyota Logistics Services, Inc. 785 Edison Ave. Long Beach CA 90813 LB B82 - B83. Automobile terminal.</p>	<p>5-2-LA-430-E Operational Divison: LA-G Total Berth Length: 1300 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77418 -118.2182 (562) 437-6767</p>

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<p>National Gypsum Co. 1850 Pier B St. Long Beach CA 90813 LB B82. Bulk gypsum.</p>	<p>5-2-LA-435-E Operational Divison: LA-G Total Berth Length: 650 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77451 -118.2176 (562) 435-4465</p>
<p>Tesoro Logistics 1350 Pier B St. Long Beach CA 90813 LB B76 - B78. Petroleum terminal.</p>	<p>5-2-LA-440-E Operational Divison: LA-G Total Berth Length: 2200 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77579 -118.213 (562) 499-2210</p>
<p>World Oil Environmental Services 1405 Pier C St. Long Beach CA 90813 LB C73. Petroleum terminal.</p>	<p>5-2-LA-445-E Operational Divison: LA-G</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.7755 -118.2112 (562) 432-1737</p>
<p>SSA Pier C 1521 Pier C St. Long Beach CA 90813 LB C60 - C62. Containerized cargo.</p>	<p>5-2-LA-450-E Operational Divison: LA-G Total Berth Length: 1800 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.77001 -118.2169 (562) 495-8659</p>
<p>Marine Spill Response Corp. Pier C, Berth 57 Long Beach CA 90802 LB C57. Oil Spill Response Vessels.</p>	<p>5-2-LA-460-E Operational Divison: LA-H</p>	<p><i>Port/Harbor Facilities</i> E 33.77232 -118.2107</p>
<p>Long Beach Sportfishing 555 Pico Ave. Long Beach CA 90802 LB C55. Open party and charter boat sportfishing.</p>	<p>5-2-LA-465-E Operational Divison: LA-G</p>	<p><i>Marinas/Houseboat Areas</i> E 33.7727 -118.2083 (562) 432-8993</p>
<p>National Response Corp. Pier D, Berth 47 Long Beach CA 90802 LB D48. Environmental Services and Oil Spill Response Company.</p>	<p>5-2-LA-470-E Operational Divison: LA-H</p>	<p><i>Port/Harbor Facilities</i> E 33.76961 -118.2113 (562) 432-1304</p>
<p>G.P. Gypsum 1401 W Water St Long Beach CA 90802 LB D46. Gypsum.</p>	<p>5-2-LA-475-E Operational Divison: LA-G Total Berth Length: 640 ft.</p>	<p><i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E 33.76992 -118.2138 (562) 435-7094</p>
<p>Gambol Industries 1825 W. Pier D St. Long Beach CA 90802 Small vessel repair yard.</p>	<p>5-2-LA-480-E Operational Divison: LA-G</p>	<p><i>Ship/Boat Repair</i> E 33.76783 -118.2181 (562) 901-2470</p>

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Long Beach City Fire Station #20 331 Pier D Ave W Long Beach CA 90802 Fire boat #20.	5-2-LA-485-E	<i>Fire/Safety</i>	Operational Divison: LA-G 33.76502 -118.2206
California United Terminals 1200 Pier E St. Long Beach CA 90802 LB D34. Steel and breakbulk general.	5-2-LA-495-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.7604 -118.2179 Total Berth Length: 927 ft. (562) 435-8235
Cemex 32 Pier D Ave W D Long Beach CA 90802 LB D32 - D33. Bulk cement.	5-2-LA-500-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.75892 -118.2171 Total Berth Length: 680 ft. (562) 435-0195
Baker Commodities, Inc. Berth D30, Pier D St. Long Beach CA 90802 LB D30 - D31. Food grade oils.	5-2-LA-505-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.75826 -118.2151 Total Berth Length: 700 ft. (562) 436-1137
California United Terminals 1200 Pier E St. Long Beach CA 90802 LB D28 - D31. Breakbulk general.	5-2-LA-510-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.76003 -118.2151 Total Berth Length: 1985 ft. (562) 435-8235
California United Terminals 1200 Pier E St. Long Beach CA 90802 LB E24 - E26. Containerized cargo.	5-2-LA-515-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.75997 -118.2139 Total Berth Length: 2100 ft. (562) 435-8235
California United Terminals 1200 Pier E St. Long Beach CA 90802 LB E12 - E13. Bananas, steel, and rolling stock.	5-2-LA-520-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G Total Berth Length: 2696 ft. (562) 435-8235
Long Beach Container 201 Pico Ave Long Beach CA 90802 LB F6 - F10. Containerized cargo.	5-2-LA-525-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.75444 -118.2111 Total Berth Length: 2750 ft. (562) 951-6000
Port of Long Beach Standby Berth Long Beach CA LB F201. Standby berth.	5-2-LA-530-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i> E	Operational Divison: LA-G 33.75032 -118.2152 (562) 283-7760

9816.3 Economic Sensitive Sites - Los Angeles County Long Beach Harbor

Long Beach City Fire Station #15	5-2-LA-535-E	<i>Fire/Safety</i>
Pier F, Berth 202	Operational Divison: LA-G	33.74748 -118.2155
Long Beach CA 90802		
LB F202. Fire boat #15.		
Crescent Terminal (SSA)	5-2-LA-540-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
Berth 206, Pier F	Operational Divison: LA-G	33.74593 -118.2116
Long Beach CA 90802	Total Berth Length: 1200 ft.	(562) 432-6477
LB F206 - F207. Steel products, plywood, lumber, project cargo, and large machinery.		
Cooper T. Smith	5-2-LA-545-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
204 Pier F Ave.	Operational Divison: LA-G	33.74394 -118.2086
Long Beach CA 90802	Total Berth Length: 1265 ft.	
LB F204 - F205. Steel products, plywood, and lumber.		
Chemoil Marine Terminal	5-2-LA-550-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
1004 Pier F Ave.	Operational Divison: LA-G	33.74867 -118.211
Long Beach CA 90802	Total Berth Length: 800 ft.	(562) 901-1960
LB F209 - G211A. Petroleum terminal.		
Morton Salt Co.	5-2-LA-555-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
1050 Pier F Ave.	Operational Divison: LA-G	33.7492 -118.2101
Long Beach CA 90802	Total Berth Length: 700 ft.	(562) 437-0071
LB F210. Bulk salt.		
Koch Carbon, Inc.	5-2-LA-560-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
1020 Pier F Ave.	Operational Divison: LA-G	33.7502 -118.2081
Long Beach CA 90802-6275	Total Berth Length: 1100 ft.	(562) 436-4680
LB F211. Petroleum coke.		
Metropolitan Stevedore Co.	5-2-LA-565-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
212 Pier F Ave	Operational Divison: LA-G	33.74781 -118.2065
Long Beach CA 90802	Total Berth Length: 1900 ft.	(562) 983-8400
LB G212 - G215. Various dry bulk goods.		
THUMS Barge Landing	5-2-LA-570-E	<i>Port/Harbor Facilities E</i>
	Operational Divison: LA-H	33.74436 -118.2044
Long Beach CA		(562) 624-3452
Barge service to the THUMS oil production islands.		
International Transportation Service	5-2-LA-575-E	<i>Moorings, Cargo Piers, Terminals, Fishing Piers E</i>
1387 Pier G E	Operational Divison: LA-G	33.74762 -118.1989
Long Beach CA 90802	Total Berth Length: 6379 ft.	(562) 435-7781
LB G226 - G236. Containerized cargo.		

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Catalina Express Terminal	<i>5-2-LA-580-E</i>	<i>Ferries/Tour Boats</i>	E
320 Golden Shore Blvd.	Operational Divison: LA-H	33.76317	-118.1992
Long Beach CA 90802		(800) 995-4386	
Passenger boat to Santa Catalina Island.			
Queen Mary	<i>5-2-LA-585-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
1126 Queens Highway, Pier J	Operational Divison: LA-G	33.75289	-118.1897
Long Beach CA 90802		(877) 342-0738	
Shops, restaurants, and hotels.			
Long Beach Cruise Terminal	<i>5-2-LA-590-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
231 Windsor Way	Operational Divison: LA-G	33.75155	-118.1869
Long Beach CA 90802		(800) 764-7419	
LB H4. Several services for the Cruise industry.			
THUMS Boat Landing	<i>5-2-LA-595-E</i>	<i>Port/Harbor Facilities</i>	E
	Operational Divison: LA-H	33.73987	-118.1864
Long Beach CA		(562) 624-3452	
Vessels service to the THUMS oil production islands.			
Pacific Container	<i>5-2-LA-600-E</i>	<i>Moorings, Cargo Piers, Terminals, Fishing Piers</i>	E
1521 Pier J Ave.	Operational Divison: LA-G	33.73946	-118.1951
Long Beach CA 90802	Total Berth Length: 5900 ft.	(562) 983-1001	
LB J243 - J247 and J266 - J270. Containerized cargo.			
Aquarium of the Pacific	<i>5-2-LA-601-D</i>	<i>Aquariums/Marine Labs</i>	D
100 Aquarium Way	Operational Divison: LA-H	33.76205	-118.197
Long Beach CA 90802		(562) 590-3100	
Marine aquarium.			
Rainbow Harbor	<i>5-2-LA-605-E</i>	<i>Ferries/Tour Boats</i>	E
200 Aquarium Way	Operational Divison: LA-H	33.76207	-118.1914
Long Beach CA 90802		(562) 570-8636	
Sportfishing charters, yacht charters, tour boats, and water taxis.			
Shoreline Village	<i>5-2-LA-610-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
429 Shoreline Village Dr.	Operational Divison: LA-H	33.76044	-118.1893
Long Beach CA 90802		(562) 435-2668	
Shops, restaurants, and tourist attractions.			
Downtown Marina	<i>5-2-LA-615-E</i>	<i>Marinas/Houseboat Areas</i>	E
450 E. Shoreline Dr.	Operational Divison: LA-H	33.7596	-118.1849
Long Beach CA 90882		(562) 570-4950	
Berthing 1830			

9816.3 Economic Sensitive Sites - Los Angeles County Long Beach Harbor

THUMS Island Grissom	<i>5-2-LA-620-E</i>	<i>Port/Harbor Facilities</i>	E
Long Beach CA	Operational Divison: LA-H	33.75944	-118.1816
Oil Production Island		(562) 624-3452	
Alamitos Beach	<i>5-2-LA-625-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
Belmont Pier to Alamitos Bay	Operational Divison: LA-H	33.75799	-118.1483
Long Beach CA 90803			
Beach - day use.	From 33.75799 118.14825 to 33.74422 118.11795.		
Long Beach City Beach	<i>5-2-LA-630-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
1 Junipero Ave.	Operational Divison: LA-H	33.45378	-118.9183
Long Beach CA 90803			
Beach - day use.			
Belmont Shore	<i>5-2-LA-635-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
Alamitos Ave. to Belmont Pier	Operational Divison: LA-H	33.75928	-118.1505
Long Beach CA 90803			
Beach - day use.	From 33.76206 118.18152 to 33.75799 118.14825.		
Belmont Pier	<i>5-2-LA-640-E</i>	<i>Parks, Beaches, Recreational Areas</i>	E
Ocean Blvd. & 39th Pl.	Operational Divison: LA-H	33.75659	-118.1485
Long Beach CA 90809			
Pier.			
THUMS Island White	<i>5-2-LA-645-E</i>	<i>Port/Harbor Facilities</i>	E
Long Beach CA	Operational Divison: LA-H	33.75276	-118.1595
Oil Production Island		(562) 624-3452	
THUMS Island Freeman	<i>5-2-LA-650-E</i>	<i>Port/Harbor Facilities</i>	E
Long Beach CA	Operational Divison: LA-H	33.74104	-118.1625
Oil Production Island		(562) 624-3452	
THUMS Island Chaffee	<i>5-2-LA-655-E</i>	<i>Port/Harbor Facilities</i>	E
Long Beach CA	Operational Divison: LA-H	33.73987	-118.139
Oil Production Island		(562) 624-3452	

9816.3 Economic Sensitive Sites - Los Angeles County Alamitos Bay

Alamitos Bay Marina	5-2-LA-665-E	<i>Marinas/Houseboat Areas</i>	E
205 Marina Dr.	Operational Divison: LA-H	33.74977	-118.1119
Long Beach CA 90803		(562) 570-3215	
Berthing: 1975			
Long Beach Fire City Station #2	5-2-LA-670-E	<i>Fire/Safety</i>	
225 Marina Dr.	Operational Divison: LA-H	33.75072	-118.1135
Long Beach CA 90803			
Fire and Lifeguards			
Alamitos Bay Marine Fuel Dock	5-2-LA-675-E	<i>Port/Harbor Facilities</i>	E
227 Marina Dr.	Operational Divison: LA-H	33.75098	-118.1141
Long Beach CA 90803		(562) 594-0888	
Fuel Dock			
Marina Shipyard	5-2-LA-680-E	<i>Ship/Boat Repair</i>	E
6400 Marina Dr.	Operational Divison: LA-H	33.75621	-118.1151
Long Beach CA 90803		(562) 594-0995	
Small vessel repair yard.			
Marine Park/Mother's Beach	5-2-LA-685-E	<i>Parks, Beaches, Recreational Areas</i>	E
5839 Appian Way	Operational Divison: LA-H	33.75801	-118.1192
Long Beach CA 90803		(562) 570-3236	
Beach - day use.			
Marine Stadium	5-2-LA-690-E	<i>Vessel Traffic Areas</i>	E
Appian Way & 2nd St.	Operational Divison: LA-H	33.76157	-118.1221
Long Beach CA 90803			
Rowing competitions and marine sporting events.			
Cerritos Bahia Marina	5-2-LA-695-E	<i>Marinas/Houseboat Areas</i>	E
6289 E. Pacific Coast Highway	Operational Divison: LA-H	33.76557	-118.1147
Long Beach CA 90803		(562) 431-6575	
Berthing: 276			
M.P. Boat Slips Co.	5-2-LA-700-E	<i>Marinas/Houseboat Areas</i>	E
6201 E. 2nd St.	Operational Divison: LA-H	33.76277	-118.1139
Long Beach CA 90803		(562) 498-7318	
Berthing: 198			

9816.3 Economic Sensitive Sites – Los Angeles County Power Plants

LADWP Scattergood Generating Station

12700 Vista Del Mar
Los Angeles, CA 90245
(310) 524-8600 Outside Contact Number
(310) 524-8507 Operations Supervisor (24 hr)

NRG El Segundo

301 Vista Del Mar
El Segundo, CA 90245
(310) 615-6303

AES Redondo Beach

1100 N. Harbor Dr.
Redondo Beach, CA 90277
(310) 318-7503

LADWP Harbor Generating Station

161 N. Island Ave.
Los Angeles, CA 90744
(310) 522-1377 Plant Operations (24 hr)

NRG Long Beach

2665 Pier S. Lane
Long Beach, CA 90802
(562) 506-2536

AES Alamitos

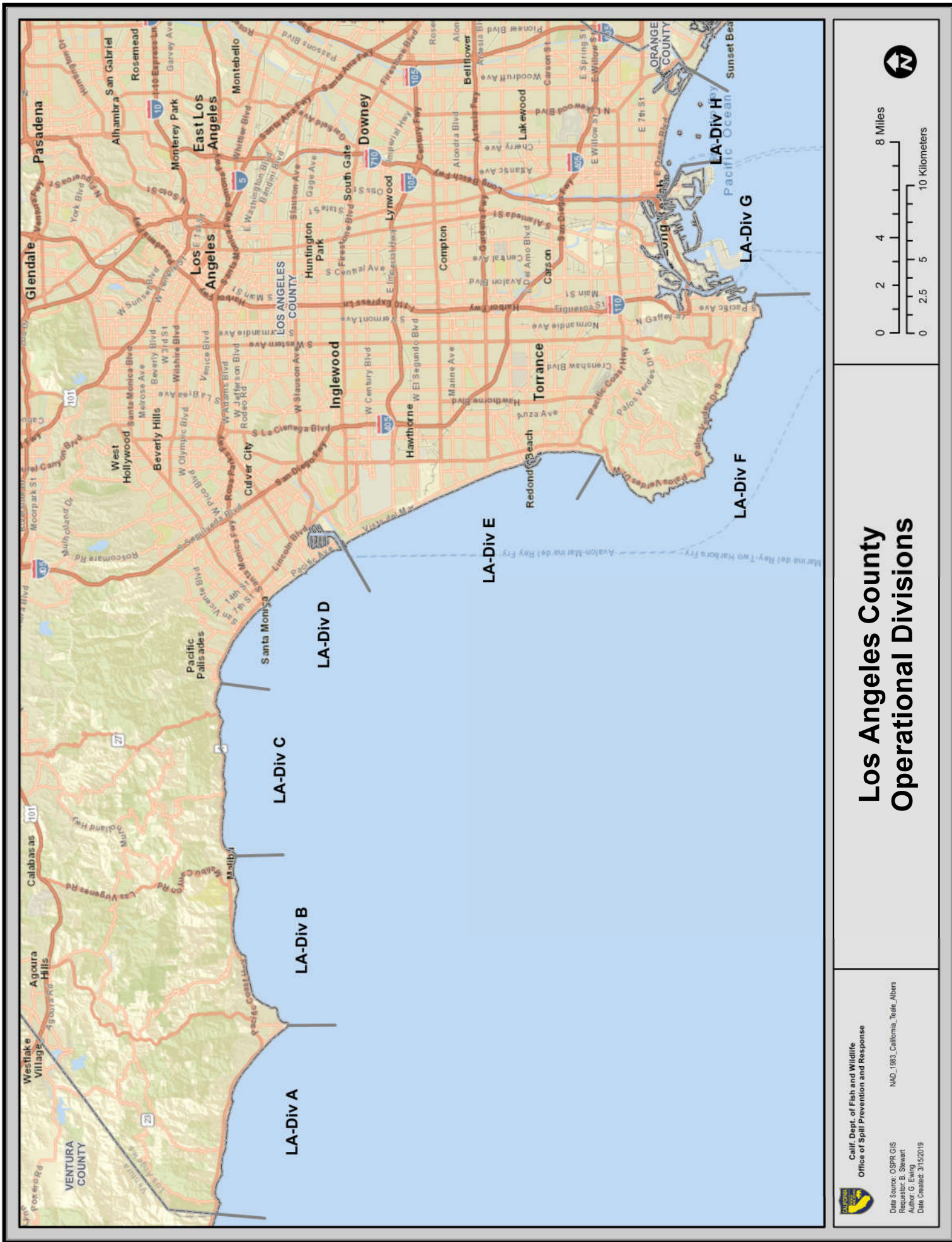
690 N. Studebaker Rd.
Long Beach, CA 90803
(562) 493-7803

LADWP Haynes

6801 2nd E. Street
Long Beach, CA
(310) 522-7501 Assistant to Superintendent
(310) 522-7507 Shift Supervisor (24 hr)

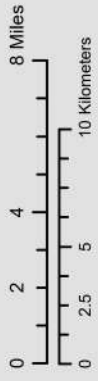
9816.4 Shoreline Operational Divisions

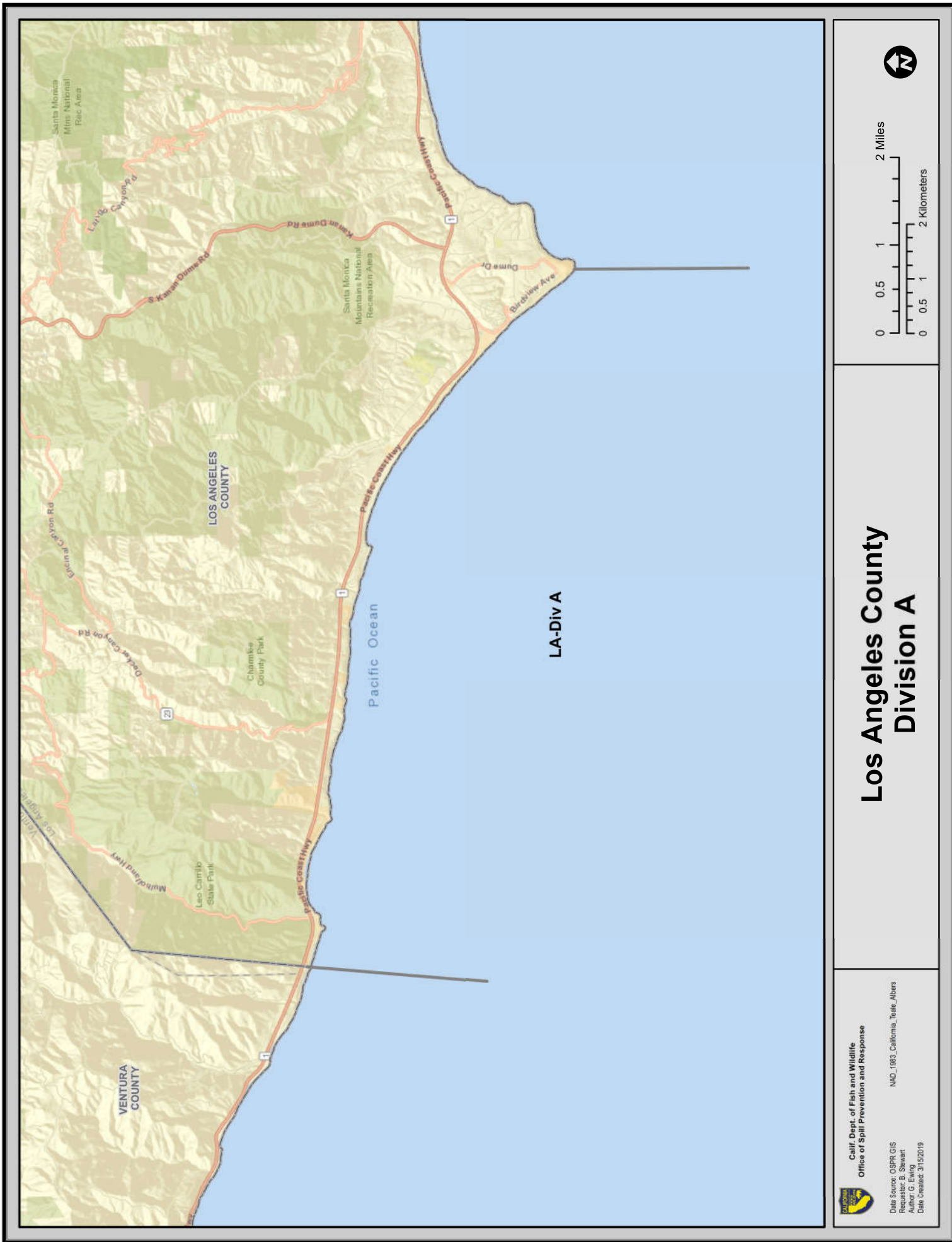
Refer to Section 9806 for more details.



Los Angeles County Operational Divisions

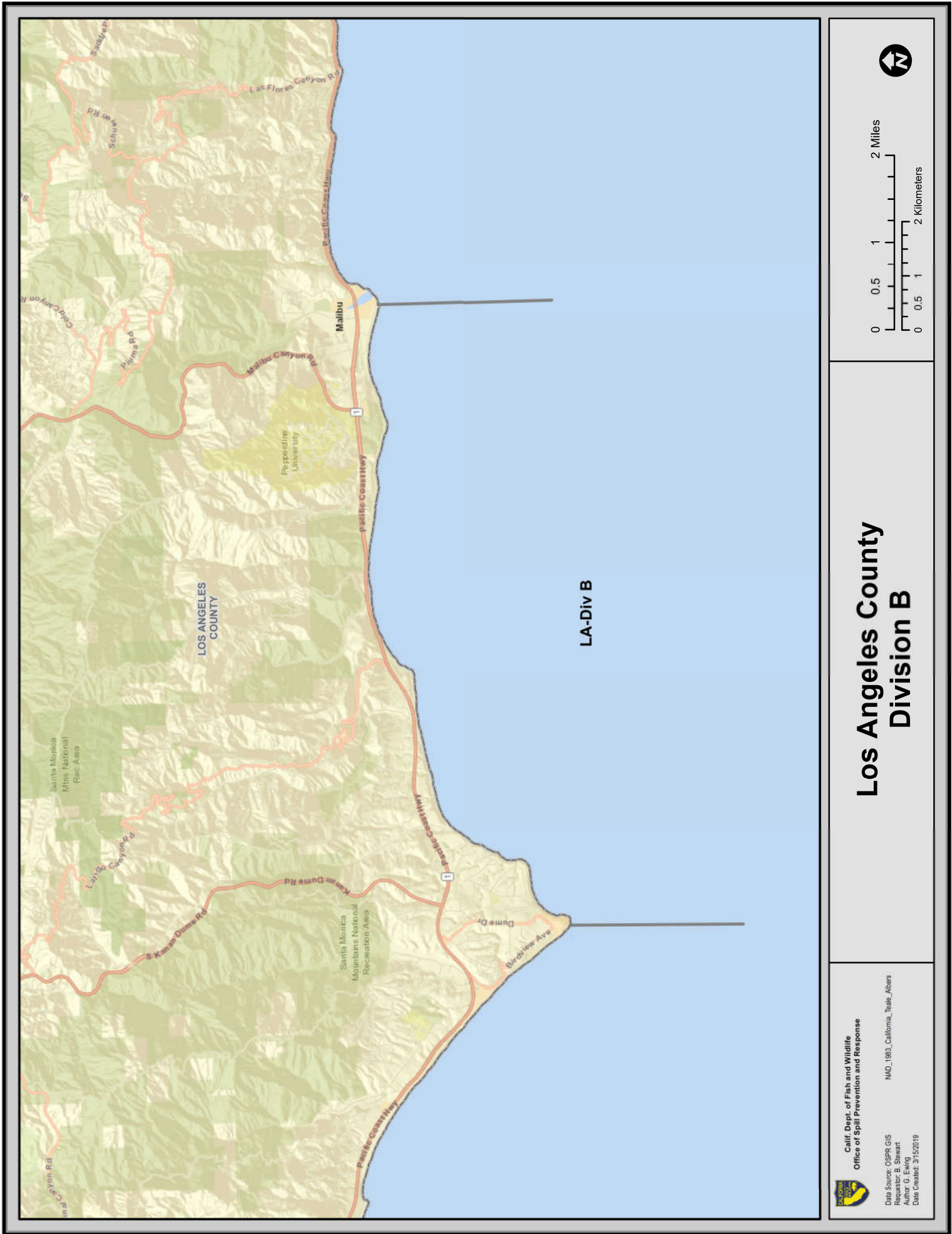

 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD: 1983_California_Teale_Albers
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 Author: C. Eakin
 Date Created: 3/15/2019






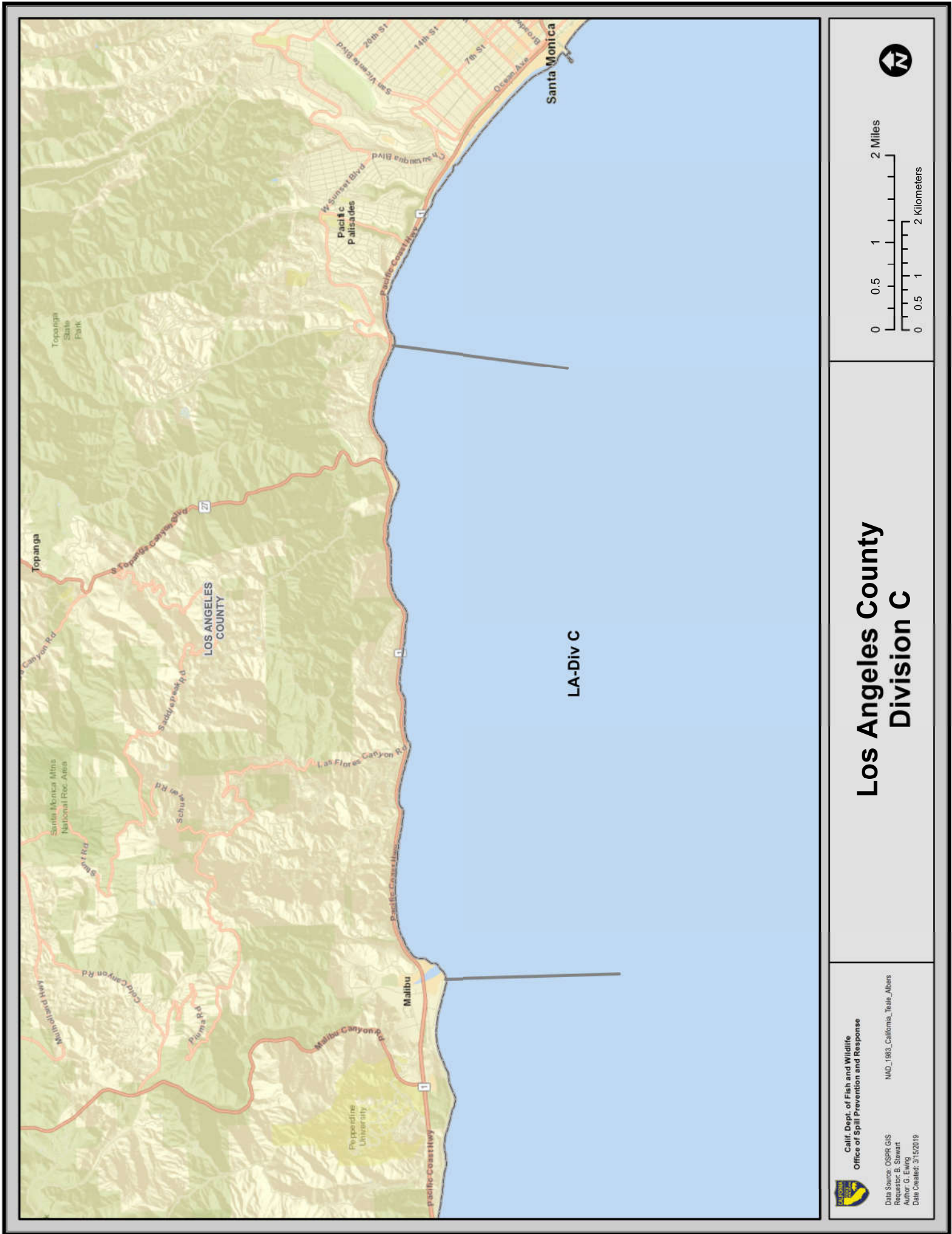
Los Angeles County Division A



 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
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 Prepared by: S. Stewart
 Author: C. E. Fisher
 Date Created: 3/15/2019



Los Angeles County Division B

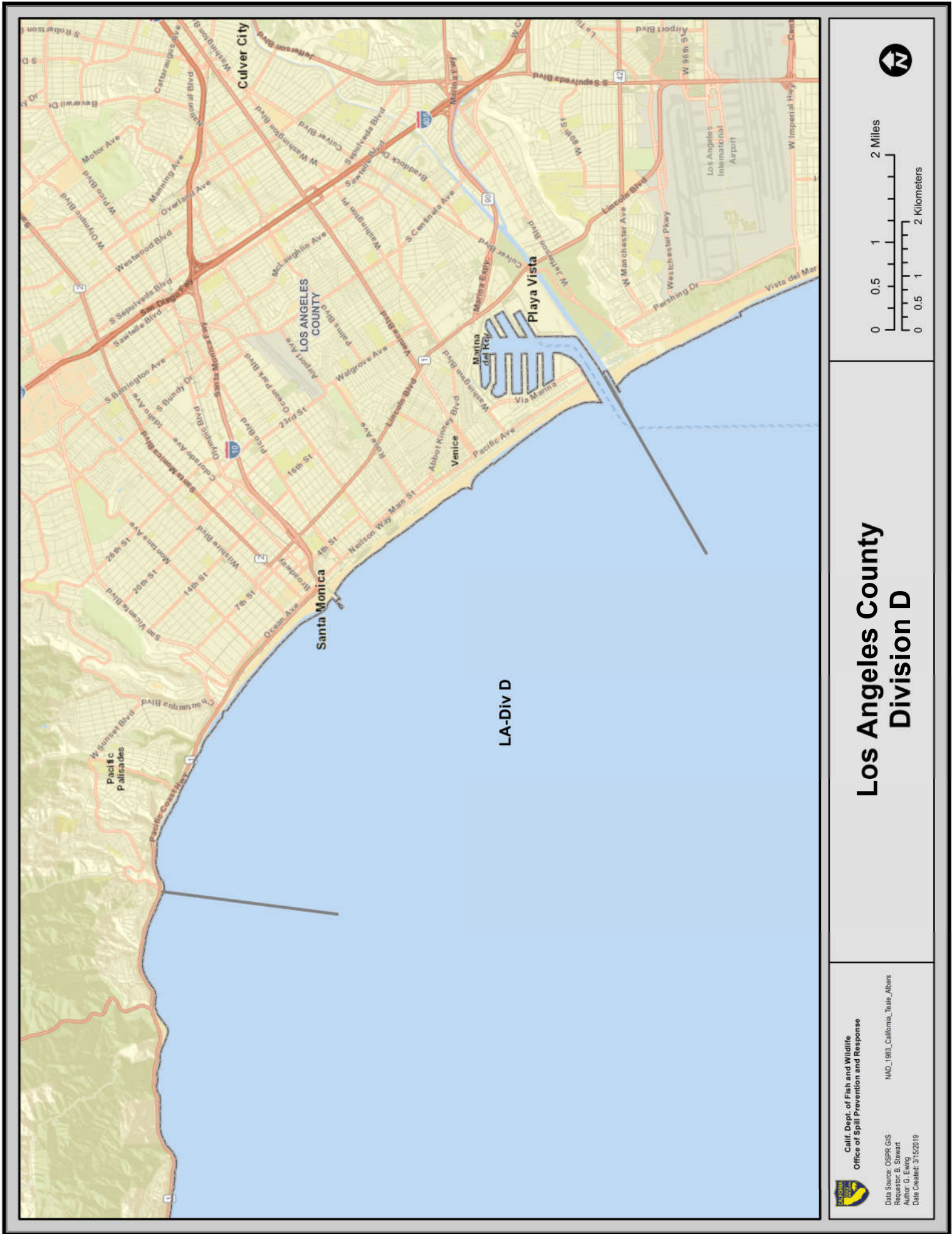

Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD: 1983_California_Teale_Albers
 Data Source: OSPR GIS
 Prepared by: S. Stewart
 Author: C. Eskin
 Date Created: 3/15/2019




 0 0.5 1 2 Miles
 0 0.5 1 2 Kilometers

Los Angeles County Division C


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD: 1983_California_Teale_Albers
 Data Source: OSGP GIS
 Prepared by: S. Stewart
 Author: C. Eakin
 Date Created: 3/15/2019



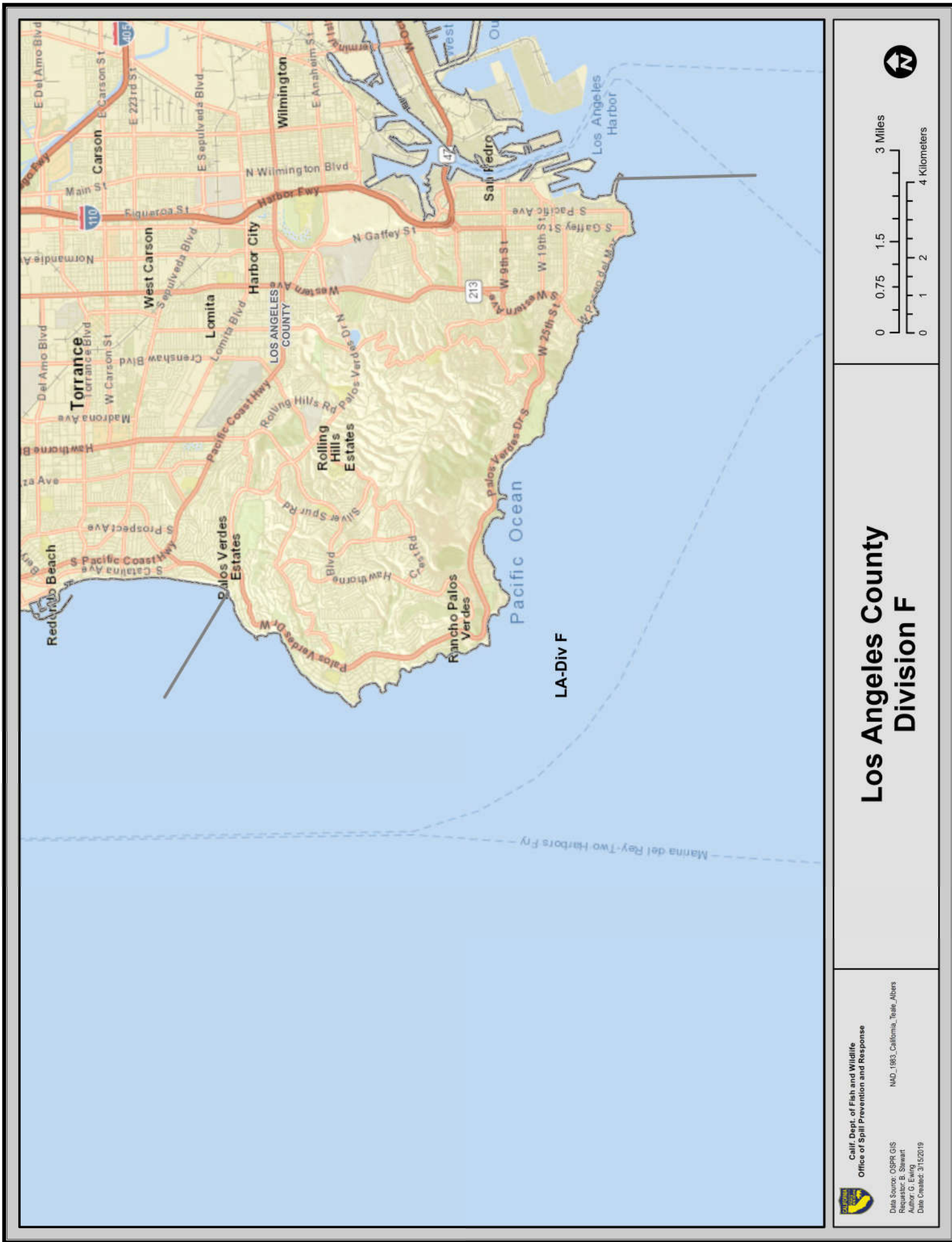
Los Angeles County Division D


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
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 Prepared by: S. Stewart
 Author: C. Eskin
 Date Created: 3/15/2019



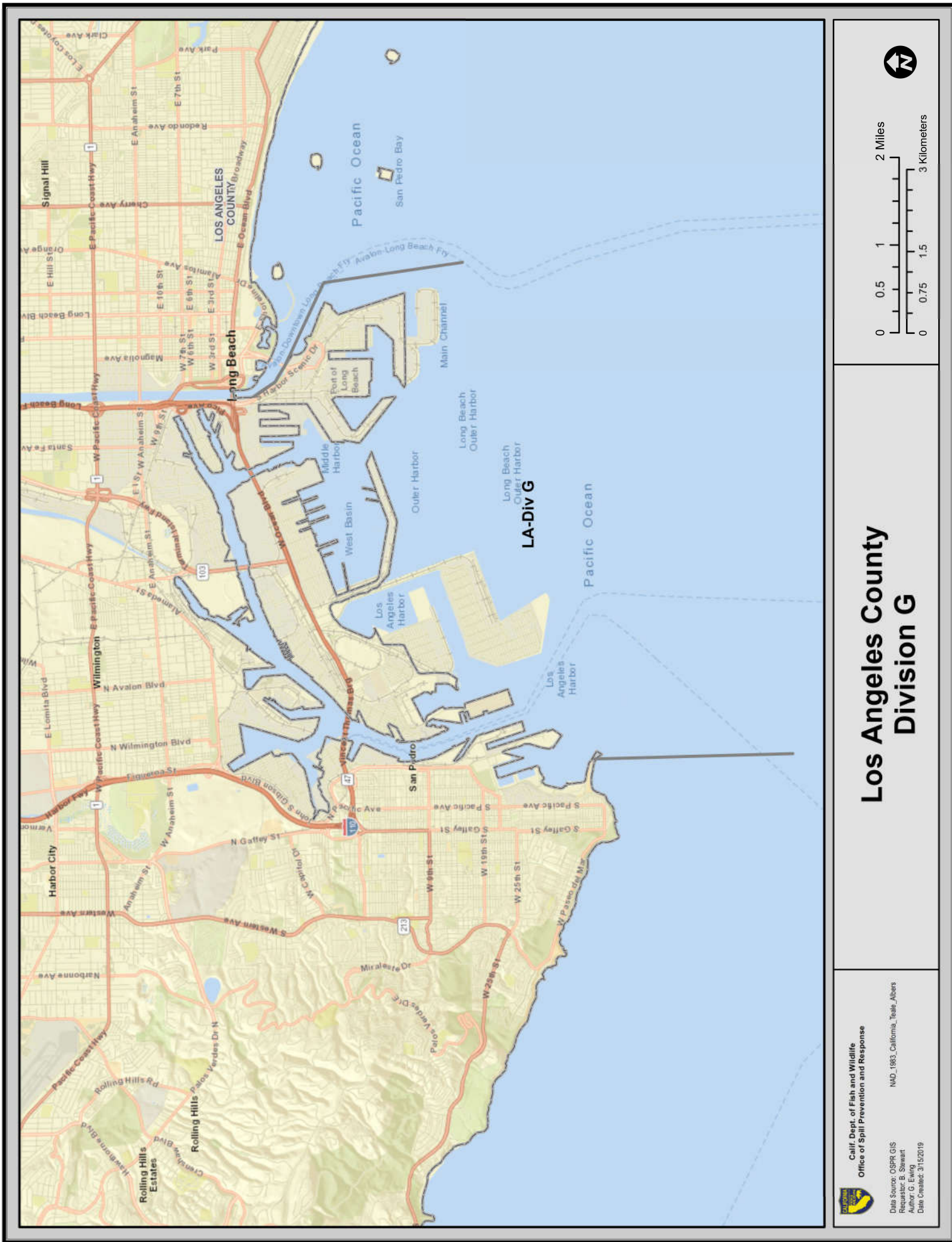
Los Angeles County Division E


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD_1983_California_Teale_Albers
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 Robert S. Stewart
 Adam C. Eakin
 Date Created: 3/15/2019



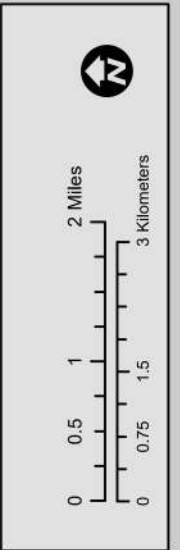
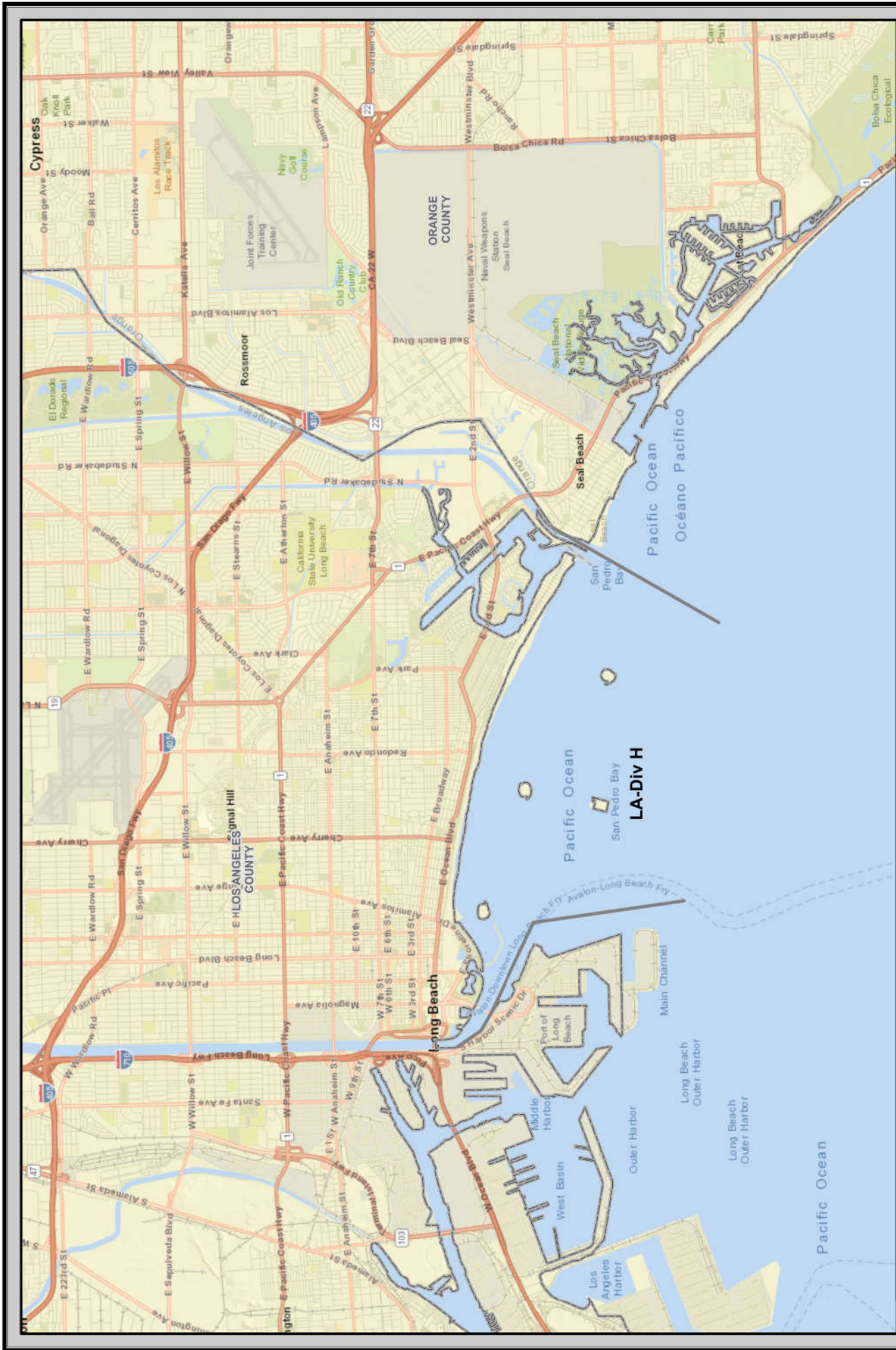
Los Angeles County Division F


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD: 1983_California_Teale_Albers
 Data Source: OSPR GIS
 Prepared by: S. Stewart
 Author: G. Fisher
 Date Created: 3/15/2019



Los Angeles County Division G


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 NAD_1983_California_Teal_Albers
 Data Source: OSPR GIS
 Prepared by: S. Stewart
 Author: C. Etkin
 Date Created: 3/15/2019



Los Angeles County Division H


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 Office of Spill Prevention and Response

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 Data Source: ODFW GIS
 Prepared by: S. Stewart
 Author: C. Fisher
 Date Created: 3/15/2019