

**Sector Los Angeles / Long Beach
Area Contingency Plans 4 & 5
Annex C – Fish & Wildlife
June 2024**



**Emergency Spill Notification Numbers
National Response Center 1-800-424-8802
California Office of Emergency Services 1-800-852-7550**

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1000 Annex C Introduction and Organization Overview

The focus of spill response contingency planning is the identification and protection of environmental, cultural/historic, and socioeconomic resources at risk. Annex C is a catalog of environmental, cultural, and economic resources identified by the Area Committees. Strategies to protect resources from oil and collateral impacts are included for some of these resources. During a spill, sites and resources that may be at risk and the measures that should reasonably be deployed to protect them are determined by a suite of factors. This includes the probable trajectory from the spill, prevailing conditions that may favor or constrain feasible deployments, the type of material released, and the threat the spilled material poses to the resources at risk. These, in combination with operational and geographic constraints that impact spill response measures, define the response need and focus response decisions.

Annex C provides geographically organized information about environmental, cultural/ historic, economic, and other significant resources that may be at risk from spills in ACP 4/5.

The information in this section is grouped by Geographic Response Areas (GRAs). In some instances, GRAs fall along political boundaries such as a county line, or may be delineated based on the geomorphology, and in other instances GRAs are based on local hydro-geographic areas, where contaminants such as oil are likely to concentrate. Annex C is organized first by ACP and then into subsections for each GRA. Local variations accommodate the needs of each Area Committee.

1001 Sensitive Site Strategy Evaluation Program

The California Department of Fish and Wildlife's Office of Spill Prevention and Response manages the Sensitive Site Strategy Evaluation Program (SSSEP) in partnership with the U.S. Coast Guard. SSSEP is a statewide program that tests and evaluates the effectiveness of Geographic Response Strategies that are designed to protect sensitive environmental resources in coastal marine waters of California. Currently there are over 600 environmentally sensitive sites and their associated response strategies identified in the six California ACPs. The SSSEP program consists of scheduled exercises designed to test the site-specific Geographic Response Strategies and familiarize the contracted Oil Spill Response Organizations (OSROs), other authorized responders, and local stakeholders with the locations and strategic details of the sites. As part of the SSSEP testing program, OSPR provides recommendations to modify and improve the strategy if needed. These improvements are incorporated into the ACPs.

1002 Environmental Sensitive Sites

1002.1 Geographic Response Strategies

Protection strategies for the identified Environmental Sensitive Sites in the Area Contingency Plans are referred to as Geographic Response Strategies (GRSs). The GRSs described in this section are grouped by Geographic Response Areas (GRAs) and include a Site Summary, Site Strategy, and Site Diagram page.

1002.2 Sensitivity Ranking

Each site has an environmental sensitivity ranking. The ranking index was developed in order to identify the relative sensitivities of these sites to oil and, in turn, to help determine protection priority of sites. Environmental sensitivity differs by location or season depending on conditions or the presence of species. Accordingly, each site is ranked A, B, or C based on the following definitions:

Category A - Extremely Sensitive – highest concern for protection: Wetlands, estuaries, lagoons with emergent vegetation (marsh, riparian ESI 10), Sheltered tidal flat (ESI 9); habitats for rare, threatened, or endangered species (State or Federal); sites of significant concentrations of vulnerable and sensitive species (e.g., pinniped pupping or major bird roosting/nesting sites).

Category B - Very Sensitive – very high concern for protection: Major pinniped haulout areas during non-pupping seasons; moderate concentrations of vulnerable and sensitive species; other low energy habitats (ESI types 8A, 8B, 7 and 6B).

Category C - Sensitive – high concern for protection: Higher energy habitats (ESI 6A through 1); habitats important to large numbers of species of sport, commercial value, and scientific interest or species experiencing significant population declines though not yet threatened.

The A, B, or C ranking should not be misconstrued as defining whether a site can be effectively protected from oiling. Some “A” sites or portions of “A” sites may not be feasible to protect using conventional techniques. For example, some seabird colonies and pinniped haul outs may be in such high energy environments that booming is precluded, and the primary protective measure/strategy would be offshore containment and recovery and/or applied response technologies, such as dispersants and in-situ burning. Assigning a response priority is usually guided according to the time by which the oil slick is likely to impact a sensitive site regardless of sensitivity ranking.

Some sites have no inherent environmental sensitivity but represent key oil protection sites through collection, deflection, or exclusion. The protection strategies at these sites are designed to stop the spread of oil, or to prevent the injury of nearby sensitive sites. Prioritization of these site deployments will be made for each response using an appropriate spill-specific trajectory.

These sites are identified as:

Category X – Key Protection – oil collection, deflection, or exclusion sites that have little inherent environmental sensitivity, but implementation of their strategy or strategies may protect more environmentally sensitive sites. Not all ACPs (or GRAs) have Category X sites.

Each Environmental Sensitive Site identified in the GRA sections will have a Site Summary Sheet, which describes why the site is environmentally sensitive and provides points of

contact. Each have a Site Strategy Sheet, which provides information on protection strategies, recommended resources, and site logistical and access information. Most sites also have an associated Strategy Diagram that should also be considered a guide (i.e. exact placement of boom may need to differ from what is depicted on Strategy Diagram depending on conditions at the time of a spill).

1003 Human Health and Safety Sites and Economic Resources Susceptible to Oiling

The primary purpose of this section is to identify and incorporate into emergency oil spill response planning the specific resources subject to impacts of the highest consequence if not protected (e.g., contacts notified, sites boomed, access closed). This section identifies coastal infrastructure essential to human health and safety, which will be the first priority for response during any oil spill. Also identified in this section are economic resources that are susceptible to impacts from a marine oil spill. Due to limitations of time, personnel, and the availability of information, not all resources of significant economic value and susceptibility to oil spills are identified in the ACP. These lists of human health and safety resources, critical infrastructure, and economic sites and their maintenance are dependent upon input from state and local agencies, and their content will vary by GRA. Response planners recognize that marine resources that are deemed economically sensitive can have environmental, cultural, or historical importance as well, such as coastal parks or important fishing areas. In these cases, a higher environmental ranking would be used to delineate response planning. Therefore, many of those resources are not captured within the Lists of Economic Resources Susceptible to Oiling, and instead can be found in the Environmental Sensitive Sites section for each GRA. The listing of economic resources susceptible to oiling in this plan is provided to assist Liaison Officers and other responders with contact information that may be useful during the early stages of a response before Subject Matter Experts (SMEs) and local Area Representatives (AREPs) are available to assist.

Lists of economic resources are not intended to be exhaustive and may include various types of sites and resources depending on the specific features of each GRA. Regardless of inclusion in the Lists of Economic Resources Susceptible to Oiling, any entity may submit a third-party claim for damages and costs incurred due to specific oil spill impacts to these resources. Additionally, some businesses, as well as local government offices or departments, may have access to privately owned or contracted response equipment and resources that can be deployed at these locations. It is encouraged that stakeholders with jurisdictional authority over their economic resources arrange for their protection and/or file a third-party claim for impacts.

1003.1 Human Health and Safety Resources plus Critical Infrastructure

Coastal resources and structures that are essential to public health and safety, such as drinking water intakes and emergency response facilities, will receive first priority protection during oil spill response operations. This ACP provides contact information for a defined list of human health and safety resources and critical infrastructure, which will facilitate initial

notifications and protection considerations. These are not exhaustive lists, more resources may be considered on a spill-specific basis, and some are not included on maps or in plans due to security issues (e.g., power plant intakes). Ultimately, public entities, like water supply and health agencies, are tasked with ensuring the protection of human health and safety.

Examples of resources or critical infrastructure that would receive a first priority response (because of human health and safety concerns) include:

- o Drinking water intakes
- o Desalination plant intakes
- o Power plant intakes
- o Other health/safety intakes
- o First responders' on water facilities

1003.2 Economic Resources Susceptible to Oiling

Per the federal Oil Pollution Act of 1990, economic resources are categorically designated as the third priority for dedication of oil spill response resources, following human health and safety (including critical infrastructure) and environmental resources. Economic resources that have a greater potential for long-term high consequence impacts receive a higher priority for emergency response and are captured in these lists. Protection of economic resources under the direction of Unified Command may occur when response equipment, personnel resources or significant extenuating factors dictate adaptations in a response's priorities. Economic resources susceptible to oiling may include facilities, businesses, or other resources that directly use coastal waters to support their economic activity and are at risk of long-term, high consequence impacts due to oiling.

Examples of economic resources that could be captured in the Lists of Economic Resources Susceptible to Oiling include:

- o Aquarium and marine laboratory infrastructure and water intakes
- o Aquaculture and mariculture facilities
- o Salt pond intakes
- o Public marinas and harbors
- o Public transit ferries
- o State, county, and city parks and beaches, as appropriate

1003.3 Lists of Economic Resources Susceptible to Oiling

Lists of economic resources susceptible to oiling are published at the end of each GRA

section in the ACP. Below is a description of the types of information that may be provided for each identified economic resource. For security purposes, some information has been omitted for specific resources identified within the ACP.

- o Site name
- o Geographic location
- o Contact numbers (24-hour access if available)
- o Brief description

Economic resources naming structure:

ACP number - GRA number - Two Letter County Identifier - Site Number – “Priority Code” [HHS or D]

“Priority Code” designations:

- o HHS = Human Health and Safety Resources plus Critical Infrastructure, as identified in Section 1003.1
- o D = Economic Resources Susceptible to Oiling, as identified in Section 1003.2

Economic resources susceptible to oiling with locations and details (excluding sites that have security concerns, e.g., power plant intake locations) can also be found in the NOAA Environmental Response Management Application (ERMA or <https://erma.noaa.gov/southwest/erma.html>). See Section 9803.6 for a list of ERMA economic resource data layers.

1004 Additional Resources at Risk

1004.1 List of Sensitive Species by ACP

Sensitive Species	Resource Type	Federal and State Status
Arroyo de la Cruz mariposa lily	Plants	
Arroyo del la Cruz manzanita	Plants	
bald eagle	Birds	Federally Protected, State Endangered

Sensitive Species	Resource Type	Federal and State Status
beach spectaclepod	Plants	State Threatened
Belding's savannah sparrow	Birds	State Endangered
black abalone	Invertebrates	Federally Endangered
black skimmer	Birds	Federally Protected, State Species of Special Concern
Blochman's dudleya	Plants	
bottlenose dolphin	Mammals	Federally Protected
Brandt's cormorant	Birds	Federally Protected
brown pelican	Birds	Federally Protected, State protected
California grunion	Fish	
California horned lizard	Reptiles	
California least tern	Birds	Federally Endangered, State Endangered
California legless lizard	Reptiles	Species of Special Concern
California red-legged frog	Amphibians	Federally Threatened, State Species of Special Concern
California Ridgeway's rail	Birds	Federally Endangered, State Endangered
California sea lion	Mammals	Federally Protected
coastal California gnatcatcher	Birds	Federally Threatened, State Species of Special Concern
compact cobwebby thistle	Plants	State Rare
cordgrass	Plants	
crisp monardella	Plants	
dandelion	Plants	
dwarf goldenstar	Plants	
eelgrass	Plants	
elephant seal	Mammals	
Frost's tiger beetle	Insects	
Gaviota tarplant	Plants	Federally Endangered, State Endangered
great blue heron	Birds	Federally Protected
great egret	Birds	Federally Protected
green sea turtle	Reptiles	Federally Threatened
gulls	Birds	Federally Protected
halibut	Fish	
harbor seal	Mammals	Federally Protected
Jones' layia	Plants	

Sensitive Species	Resource Type	Federal and State Status
La Graciosa thistle	Plants	Federally Endangered, State Endangered
least Bell's vireo	Birds	Federally Endangered, State Endangered
leatherback sea turtle	Reptiles	Federally Endangered
Light-footed Ridgway's rail	Birds	Federally Endangered, State Endangered
marsh sandwort	Plants	Federally Endangered, State Endangered
Miles' milk vetch	Plants	
Morro Bay blue butterfly	Insects	
morro bay kangaroo rat	Mammals	Federally Endangered, State Endangered
Morro manzanita	Plants	Federally Threatened
Morro shoulderband snail	Invertebrates	Federally Endangered
Northern elephant seal	Mammals	Federally Protected
osprey	Birds	Federally Protected
Pacific-slope flycatcher	Birds	Federally Protected
peregrine falcon	Birds	State Protected
peregrine falcon	Birds	Federally Protected, State protected
pickleweed	Plants	
Pismo clam	Invertebrates	
red-necked grebe	Birds	Federally Protected
salt marsh bird's beak	Plants	Federally Endangered, State Endangered
salt-marsh harvest mouse	Mammals	Federally Endangered, State Endangered
San Luis Obispo monardella	Plants	
San Miguel Island fox	Mammals	Federally Endangered, State Threatened
Scripps's murrelet	Birds	State Threatened
sea lion	Mammals	Federally Protected
Southern sea otter	Mammals	Federally Threatened, State Protected
southwestern pond turtle	Reptiles	Species of Special Concern
spiny lobster - Commercial & Sport	Fishery	
steelhead - Central/Northern California	Fish	Federally Threatened
steelhead - Southern California	Fish	Federally Endangered
Steller sea lion	Mammals	Federally Protected

Sensitive Species	Resource Type	Federal and State Status
surf thistle	Plants	State Threatened
surfgrass	Plants	
tidewater goby	Fish	Federally Endangered, State Species of Special Concern
tufted puffin	Birds	Federally Protected, State Species of Special Concern
unarmored threespined stickleback	Fish	Federally Endangered, State Endangered
Ventura marsh milk-vetch	Plants	State Endangered
Ventura marsh milk-vetch	Plants	Federally Endangered, State Endangered
Western pond turtle	Reptiles	Species of Special Concern
Western snowy plover	Birds	Species of Special Concern
Western snowy plover	Birds	Federally Threatened, State Species of Special Concern
western spade-foot toad	Reptiles	Species of Special Concern

1004.2 Essential Fish Habitat

NOAA National Marine Fisheries Service (NMFS) has legislative authority for fisheries regulation in the United States, in the area between three-miles to 200 miles offshore and in the high seas (beyond 200 miles from the coast), under the Magnuson-Stevens Fishery Conservation and Management Act (MSA). In 1996, the MSA was re-authorized and amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267) to emphasize the sustainability of the nation's fisheries and establish a new standard by requiring that fisheries be managed at maximum sustainable levels and that new approaches be taken in habitat conservation. This habitat is called “Essential Fish Habitat” (EFH). The Act established procedures designed to identify, conserve, and enhance EFH for those species regulated under a Federal fisheries management plan. NOAA has developed an online mapping tool for EFH, which can be found at <https://www.habitat.noaa.gov/apps/efhmapper/>.

Although the concept of EFH is similar to that of “Critical habitat” under the Endangered Species Act (ESA), measures recommended to protect EFH by NMFS or a Council are advisory, not proscriptive. Note that consultation under the ESA is a separate consultation and not the same as a consultation for EFH. The MSA requires Federal agencies to consult with NMFS on all actions, or proposed actions, authorized, funded, or undertaken by the agency, that may adversely affect EFH (MSA §305(b)(2)). See ACP Section 4800 for consultation procedures.

The EFH mandate applies to all species managed under a federal Fishery Management Plan (FMP). For the Pacific West Coast (excluding Alaska), there are FMPs, covering groundfish, coastal pelagic species, Pacific salmon and highly migratory species (e.g., tuna, swordfish and shark). Therefore, Federal agencies must consider the impact of a proposed action on EFH for any species managed under those FMPs. A brief description of EFH identified in each FMP follows.

1004.3 Groundfish

The EFH for Pacific coast groundfish is defined as the aquatic habitat necessary to allow for groundfish production to support long-term sustainable fisheries for groundfish and for groundfish contributions to a healthy ecosystem. Descriptions of groundfish EFH for each of the 83 species and their life stages result in more than 400 EFH identifications. When these EFHs are taken together, the groundfish EFH includes all waters from the mean higher high water line, and the upriver extent of saltwater intrusion in river mouths, along the coasts of Washington, Oregon and California seaward to the boundary of the U.S. exclusive economic zone (EEZ).

1004.4 Coastal Pelagic Species

Amendment 8 to The Coastal Pelagic Species (CPS) Fishery Management Plan describes the habitat requirements of five pelagic species: Northern anchovy, Pacific sardine, Pacific (chub) mackerel, jack mackerel, and market squid. These four finfish and market squid are treated as a single species complex because of similarities in their life histories and habitat requirements. EFH for coastal pelagic species is defined as: The east-west geographic boundary of EFH for CPS is defined to be all marine and estuarine waters from the shoreline along the coasts of California, Oregon, and Washington offshore to the limits of the EEZ and above the thermocline where sea surface temperatures range between 10° – 26° C. The southern boundary is the U.S.-Mexico maritime boundary. The northern boundary is more dynamic and is defined as the position of the 10° C isotherm, which varies seasonally and annually.

1004.5 Pacific Salmonids

Chinook, coho, steelhead, and Puget Sound pink salmon: EFH for the Pacific coast salmon fishery means those waters and substrate necessary for salmonid production needed to support a long-term sustainable salmonid fishery and salmonid contributions to a healthy ecosystem. To achieve that level of production, EFH includes all those streams, lakes, ponds, wetlands, and other currently viable water bodies and most of the habitat historically accessible to salmon in Washington, Oregon, Idaho, and California. They did not identify “specific areas” in the Pacific Ocean that contain essential features for Salmonids, but in general, salmon EFH extends from the near shore and tidal submerged environments within state territorial waters out to the full extent of the exclusive economic zone (370.4 km) offshore of Washington, Oregon, and California north of Point Conception.

Southern California Steelhead: Southern steelhead may have occupied as much as 15% of the winter steelhead range in California, but the present distribution in southern California has been reduced to perhaps 1% of the stream miles they formerly inhabited (E. Gerstung, CDFG, 1995). Juvenile steelhead rear in freshwater 1- 4 years and then spend 1-5 years (usually 2-3 in California) in the ocean. Southern steelhead usually spend less time in fresh water because of inhospitable conditions in the lower reaches of Southern California streams. Therefore, they may migrate to the ocean or have greater dependency on coastal lagoons during the first year. Fish movements both upstream and downstream coincide with flow pulses from storms. These coastal streams are characterized by sand bar build up during low flow summer months at the mouth.

The Evolutionary Significant Unit includes all naturally spawned populations of steelhead (and their progeny) in streams from the Santa Maria River to Malibu Creek. The Estero Bay Hydrologic Unit includes all naturally spawned populations of Southern California steelhead (and their progeny) in streams from San Carpoforo Creek to Arroyo Grande Creek in the estuarine and stream channel areas. The Santa Maria River, Santa Ynez, and South Coast Hydrologic Units include all naturally spawned populations of Southern California steelhead (within Santa Barbara County) and their progeny in estuarine and stream channel areas. The Ventura River, Santa Clara-Calleguas, and Calleguas Hydrologic Units include all naturally spawned populations of Southern California steelhead (within Ventura County) and their progeny in the estuarine and stream channel areas. Steelhead trout can be found at several Environmental Sensitive Sites in ACPs 4 and 5.

1004.6 Other Fisheries Issues

The endangered (federally listed) tidewater goby can be found at several Environmental Sensitive Sites in San Luis Obispo, Santa Barbara, Ventura, Los Angeles and Orange Counties. All life stages of tidewater gobies are typically found at the upper end of coastal lagoons in areas of low salinity (commonly less than 10 parts per thousand). Critical habitat designation for tidewater gobies was finalized in the Federal Register January 31, 2008.

1004.7 ERMA Resource Layers

The Environmental Response Management Application® (ERMA) is a NOAA developed web-based Geographic Information System (GIS) tool that assists both emergency responders and environmental resource managers in dealing with incidents that may adversely impact the environment. ERMA integrates and synthesizes various real-time and static datasets into a single interactive map, thus providing fast visualization of the situation and improving communication and coordination among responders and stakeholders. The following lists resources at risk contained as data layers within ERMA that can be accessed online during a response:

Federal Trustees Natural Resources

- **BLM CA Coastal National Monument** (<https://www.blm.gov/programs/national-conservation-lands/california/california-coastal>)
- **NOAA NMFS Critical Habitat** (<http://www.nmfs.noaa.gov/pr/species/criticalhabitat.htm>)
 - Black Abalone Critical Habitat
 - Chinook - CA Coast, Central Valley Spring Run
 - Steelhead - CA Central Valley, Central CA Coast, Northern CA, South Central CA Coast, Southern CA
 - Stellar Sea Lion
 - Leatherback Sea Turtle
 - Whales-Humpback, Killer
- **NOAA - Essential Fish Habitat (EFH)**
(http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html)
- **NOAA - National Marine Sanctuaries & Other Coastal Resources**
(<http://sanctuaries.noaa.gov/>)
 - Channel Islands National Marine Sanctuary Marine Protected Areas
(<http://channelislands.noaa.gov/>)
 - Greater Farallones National Marine Sanctuary (<http://farallones.noaa.gov/>)
 - Monterey Bay National Marine Sanctuary (<http://montereybay.noaa.gov/>)
 - Sea Bird Surveys - Spring, Summer, Fall, Winter (1975-2008)
 - Coho - Coho Distribution, Coho Salmon Range
 - Antipatharia Cover - Black Coral
 - Submerged Aquatic Vegetation- Eelgrass
 - National Estuarine Research Reserves
 - Pinniped Rookeries and Haulouts
- **USFWS Critical Habitat** (<https://www.fws.gov/project/critical-habitat>)
 - Tidewater Goby
 - Western Snowy Plover
- **NOAA - Environmental Sensitivity Index (ESI)** (<http://response.restoration.noaa.gov/esi>)
 - **For Northern California, San Francisco, Central, and Southern California:**
 - Anadromous Fish Streams
 - Bird Habitat
 - Bird Nest
 - ESI Index
 - Fish Habitat
 - Hydrologic Classification
 - Invertebrate Habitat
 - Management Areas
 - Marine Mammal Habitat
 - Reptile Habitat
 - Shoreline Classification
 - Vegetated Habitat
 - **Northern California (NOAA 2008) ESI additional layers:**

- Terrestrial Mammal Habitat
- San Francisco (NOAA 1998) ESI additional layers:
 - Terrestrial Mammals
- **Central Cal (NOAA 2006) ESI additional layers:**
 - Alerts, Central CA
- **Southern Cal (NOAA 2010) ESI additional layers:**
 - Bird Habitat- California Least Tern
 - Bird Habitat- Light- Footed Clapper Rail
 - Bird Habitat- Western Snowy Plover
 - Wetlands- Southern California

California Trustees Natural Resources

- **Land Use & Land Cover**
 - Bay Area Protected Lands
 - California State Parks (<http://www.parks.ca.gov/ParkIndex/>)
 - California Fish & Wildlife Owned and Operated Lands
 - CA Lakes
 - CA Streams
- **Managed Areas** (<https://wildlife.ca.gov/Lands>)
 - California State Game Refuges
 - California State Marine Life Refuges
 - California Marine Protected Areas (MPAs) (<https://wildlife.ca.gov/conservation/marine/MPAS>)
- **Sea Otter Distribution and Linear Density**
- **ACP Environmental Sensitive Sites**

California Economic Resources

- ACP Economic Sensitive Sites
- California Aquaculture Lease Locations (<https://www.wildlife.ca.gov/aquaculture>)
- Coastal Marinas of California
- NOAA - Environmental Sensitivity Index: Human- Use Sites
- Cultural Resources & Human Use

1005 Glossary of Acronyms and Nomenclature Used in Strategies

To minimize repetitious verbiage in protection strategies, the following acronyms and nomenclature may be used in the strategies.

Anchoring Systems – Whether expressly stated or not, anchoring systems must be sufficient to hold boom in the currents wherever boom may be deployed. To insure successful anchoring, the anchoring system should include: anchors with anchor buoys to control placement and anchor chains which equal or exceed the weight of anchors indicated, enough line to produce adequate scope to hold anchors (rule of thumb is 3:1 (line to depth), but 5-7:1 (for high current areas), and a buoy between anchor line and boom (crown buoys) to keep the anchor from sinking the boom under tension conditions.

BBE – boom boat equivalent: A vessel able to safely transport and deploy 600 feet of harbor boom or 1800 feet of swamp boom.

Boom Boat – a boat suitable for transporting, towing and deploying large amounts of boom, usually crewed with a helmsman and two deck hands for handling the boom deployment. Boom boats should generally be capable of grounding without sustaining damage. (Also see Shallow Water Boom Boat and Very Shallow Water Boom Boat).

Danforth – refers to “Danforth anchors” with chain, typically presented as a number of anchors and minimal weight (e.g., 3/12+ - means three anchors of a minimum of 12 lbs each) with at least an equal weight of anchor chain. Without substantial anchor chain mass, anchors will not hold. Northill anchors are equivalent.

Harbor Boom – an inland waters type boom (greater than 18” and less than 42” overall (flotation and skirt)) of a curtain boom design (skirted boom with solid flotation). Some strategies clarify boom size by indicating flotation and skirt as follows: 9” x 9” which indicates a boom with at least 9” of flotation and 9” of skirt.

Shallow Water Boom Boat – a boom boat capable of safely working in three feet of water depth or less, which can also withstand routine beaching or stranding.

Skiff – a small two person craft able to operate in 3 foot waves or larger and capable of delivering personnel and equipment to shores.

Sorbent Boom – boom that is made out of a material that absorbs oil.

SPS – Self-Propelled Skimmer - a small to medium sized skimmer with its own propulsion and storage – which could be a VOSS.

SFS – Stationary Floating Skimmer - a floating platform supporting a skimmer and storage, including VOSS equipment.

SSS – Shore Side Skimmer, includes a skimming unit, such as a rope-mop or weir skimmer and its support pack and a storage container such as a vacuum truck, baker tank, or other tank.

Swamp Boom – a river boom type (less than 18” overall) of a curtain boom design.

Towed Skimming Array – a skimming system with two boats towing collection booms which funnel oil to a skimming system.

Very Shallow Water Boom Boat – a boom boat capable of working in two feet of water or less, which should be durable enough to withstand repeated stranding without sustaining damage.

VOSS – Vessel of Opportunity Skimming System – a portable skimming system (skimming device, pump, power supply, and storage) installed on a vessel not designed for skimming.

Weir Skimmer – a skimmer with an adjustable dam, to minimize water collection.

Xboom – is any boom other than harbor boom, swamp, or sorbent boom. This term is used to simplify equipment tables. A type designator should be used as well as a length. Type designators include:

- TB or TBB – tidal barrier boom
- OB – ocean boom
- FB – fence boom
- OS – oil snare
- BB – bushy boom

1006 ACP 4 and 5 Los Angeles/Long Beach Introduction

ACP 4 and 5 covers the marine shorelines of San Luis Obispo, Santa Barbara, Ventura, Los Angeles, and Orange Counties. It also includes the marine shorelines of the Northern Channel Islands including San Miguel, Santa Rosa, Santa Cruz, and Anacapa Islands along with Santa Catalina, Santa Barbara, San Nicolas Islands. ACP 4 LA/LB North shoreline is divided into eight geographic response areas. ACP 5 LA/LB South shoreline is divided into four geographic response areas.

1007 ACP 4 Los Angeles/ Long Beach North Introduction

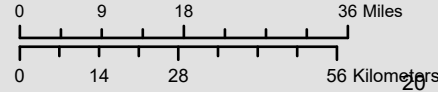
ACP 4 covers the marine shorelines of San Luis Obispo, Santa Barbara, and Ventura Counties, and the Northern Channel Islands including San Miguel, Santa Rosa, Santa Cruz, and Anacapa Islands. The San Luis Obispo County shoreline is divided into four geographic areas (GRA 1, 2, 3 and 4), the Santa Barbara County shoreline is divided into two geographic areas (GRA 5 and 6), the Ventura County shoreline is its own geographic area (GRA 7) and the Northern Channel Islands are their own stand-alone geographic area (GRA 8) for response and planning purposes.

San Luis Obispo County GRAs 1, 2, 3, and 4 extend from San Carpoforo Creek to the Santa Maria River for approximately 80 miles to the border with Santa Barbara County. There are 55 Environmental Sensitive Sites in San Luis Obispo County. San Luis Obispo County shoreline is a mix of exposed rocky shores, wave-cut platforms, fine to medium-grained sandy beaches, coarse grained sandy beaches, and several coastal estuaries with the largest being Morro Bay.



- Environmental Sensitive Sites
- Operational Division Lines

ACP 4
All GRA Locations
 June 2024




1008 North San Luis Obispo County (GRA 1)

North San Luis Obispo County GRA 1 extends from San Carpoforo Creek and Beach to Morro Rock Ecological Reserve for approximately 43 miles of shoreline, adjacent to Cabrillo Highway. There are 28 Environmental Sensitive Sites. Seventeen of the 28 sites are located within the Monterey Bay National Marine Sanctuary. Most of the shoreline is a mix of salt and brackish-water marshes, fine to medium-grain sand beaches, coarse-grained sand beaches, and exposed wave-cut platforms in bedrock, cobble, and boulder beaches. There are multiple creeks of varying sizes. The Piedras Blancas northern elephant seal rookery is located just south of the Piedras Blancas lighthouse. Most of the shoreline is exposed.



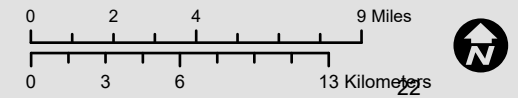
● Environmental Sensitive Sites
 Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created: 7/24/2023 ACP 4/5 Annex C

ACP 4 - GRA 1

Environmental Sensitive Sites

San Luis Obispo County



1008.1 Response Summary Tables

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

Summary of ACP 4 GRA 1 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
4-000	Typical SLO/Santa Barbara/Vent Sandy Beach			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff	Natural Resource Specialist		
.2 - Other: See Strategy Box				
	Staff	Natural Resource Specialist		
4-005	San Carpofo Creek and Beach			
.1 - Deploy Containment Boom				
	Vehicle	ATV		1
	Boom	Swamp		300 feet
	Anchor			2
	skimmer			1
	Staff			6
.2 - Erect Filter Fence				
	Misc.	Stake Driver		1
	Vehicle	ATV		1
	Misc.	Oil Snare (pom-pom)		
	Fence	Construction Fencing		300 feet
	Skimmer			1
	T-Posts			10
	Staff			6
.3 - Build Berm				
	skimmer			1
	Heavy Equip	Backhoe		
	Sandbags			200
	Piping			
	Vehicle	ATV		1
4-010	Arroyo Hondo Creek Beach			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-015	Arroyo de la Cruz/Laguna Creek and Beach			
.1 - Deploy Containment Boom				
	skimmer			1
	Anchor			2
	Boom	Swamp		100 feet
	Vehicle	ATV		1
	Staff			4
.2 - Erect Filter Fence				
	Vehicle	ATV		
	Misc.	Oil Snare (pom-pom)		
	Staff			4
	skimmer			1
	stakes			
	Fence	Construction Fencing		100 feet
	Misc.	Stake Driver		1
.3 - Build Berm				
	Vehicle	ATV		1
	Heavy Equip	Backhoe		
	Staff			6
	skimmer			1
	Piping			
	Sandbags			
.4 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-020	La Cruz Rock			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-025 Arroyo Del Oso			
.1 - Deploy Containment Boom			
Staff			4
			1
Vehicle	ATV		
Boom	Swamp		100 feet
skimmer			1
.2 - Erect Filter Fence			
skimmer			1
Misc.	Oil Snare (pom-pom)		1
Misc.	Stake Driver		1
Fence	Construction Fencing		100 feet
Vehicle	ATV		
Staff			4
.3 - Build Berm			
Sandbags			
Heavy Equip	Backhoe		
Piping			
Vehicle	ATV		1
skimmer			1
Staff			6
4-030 Arroyo Del Corral Creek and Beach			
.1 - Deploy Containment Boom			
Staff			4
Boom	Swamp		200 feet
Anchor			2
skimmer			1
.2 - Erect Filter Fence			
Fence	Construction Fencing		200 feet
stakes			30
Staff			4
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		
skimmer			1
.3 - Build Berm			
Staff			6
Sandbags			
Piping			
Heavy Equip	Backhoe		
skimmer			1
4-035 Point Piedras Blancas			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-040 Elephant Seal Beaches (N&S of Pt. Piedras Blancas)			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-045 Rocky Intertidal - Hearst State Beach			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-050 Oak Knoll Creek (a.k.a. Arroyo Laguna) and Beach			
.1 - Deploy Containment Boom			
skimmer			1
Vehicle	ATV		
Boom	Swamp		200 feet
Staff			4
Anchor			2
.2 - Erect Filter Fence			
stakes			30
skimmer			1
Fence	Construction Fencing		200 feet
Staff			4
Vehicle	ATV		1
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		
.3 - Build Berm			
Heavy Equip	Backhoe		1
Sandbags			
Staff			6
skimmer			1
Vehicle	ATV		
Piping			
4-055 Arroyo Del Puerto Creek			
.1 - Deploy Containment Boom			
Vehicle	ATV		1
Staff			4
skimmer			1
Anchor			2
Boom	Swamp		100 feet
.2 - Erect Filter Fence			
Fence	Construction Fencing		100 feet
Staff			4
skimmer			1
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		
Vehicle	ATV		1
stakes			20
.3 - Build Berm			
Heavy Equip	Backhoe		
Vehicle	ATV		1
skimmer			1
Staff			6
Sandbags			
Piping			

Site **Site Name**

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

	Equipment	Sub-Type	Size/Unit	QTY/Unit
4-060 Broken Bridge Creek				
.1 - Deploy Containment Boom				
	skimmer			1
	Anchor			2
	Boom	Swamp		100 feet
	Vehicle	ATV		
	Staff			4
.2 - Erect Filter Fence				
	Vehicle	ATV		
	stakes			
	Staff			4
	skimmer			1
	Misc.	Oil Snare (pom-pom)		
	Misc.	Stake Driver		1
	Fence	Construction Fencing		100 feet
.3 - Build Berm				
	Vehicle	ATV		
	skimmer			1
	Staff			6
	Sandbags			
	Piping			
	Heavy Equip	Backhoe		
4-065 Rocks Offshore Little Pico Creek				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-070 Little Pico Creek				
.1 - Deploy Containment Boom				
	skimmer			1
	Staff			4
	Boom	Swamp		100 feet
	Anchor			2
.2 - Erect Filter Fence				
	Misc.	Oil Snare (pom-pom)		
	Misc.	Stake Driver		1
	Fence	Construction Fencing		100 feet
	stakes			20
	skimmer			1
	Staff			4
.3 - Build Berm				
	Sandbags			
	skimmer			1
	Piping			
	Staff			6

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-075 Pico Creek and Beach			
.1 - Deploy Containment Boom			
Anchor			2
skimmer			1
Staff			4
Vehicle	ATV		
Boom	Swamp		200 feet
.2 - Erect Filter Fence			
Staff			4
skimmer			1
Misc.	Stake Driver		1
stakes			20
Vehicle	ATV		1
Fence	Construction Fencing		200 feet
Misc.	Oil Snare (pom-pom)		
.3 - Build Berm			
Staff			6
Heavy Equip	Backhoe		1
Sandbags			
skimmer			1
Vehicle	ATV		1
Piping			
.4 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-080 San Simeon Creek and Beach			
.1 - Deploy Containment Boom			
skimmer			1
Anchor			2
Boom	Swamp		300 feet
Staff			4
.2 - Erect Filter Fence			
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		
skimmer			1
Staff			4
stakes			30
Fence	Construction Fencing		300 feet
.3 - Build Berm			
skimmer			1
Piping			
Sandbags			
Staff			6

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

	Equipment	Sub-Type	Size/Unit	QTY/Unit
4-085	Santa Rosa Creek			
.1 - Deploy Containment Boom				
	Anchor			2
	Staff			4
	Boom	Swamp		300 feet
	skimmer			1
.2 - Erect Filter Fence				
	skimmer			1
	Misc.	Stake Driver		1
	Misc.	Oil Snare (pom-pom)		
	stakes			30
	Fence	Construction Fencing		300 feet
	Staff			4
.3 - Build Berm				
	skimmer			1
	Piping			
	Staff			6
	Sandbags			

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-100 Cambria Air Force Base Rocky Intertidal			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-105 Rocky Intertidal N. Pt. Estero/Harmony State Park			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-110 Point Estero Rocky Intertidal			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-115 Villa Creek and Beach			
.1 - Deploy Containment Boom			
Anchor			2
Staff			4
skimmer			1
Boom	Swamp		300 feet
.2 - Erect Filter Fence			
Misc.	Stake Driver		1
stakes			30
Misc.	Oil Snare (pom-pom)		
skimmer			1
Staff			4
Fence	Construction Fencing		300 feet
.3 - Build Berm			
Staff			6
Sandbags			
Piping			
4-120 Cayucos Point and San Geronimo Creek			
.1 - Deploy Containment Boom			
Boom	Swamp		100 feet
Anchor			2
skimmer			1
Staff			4
.2 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		
Misc.	Stake Driver		1
skimmer			1
stakes			10
Fence	Construction Fencing		100 feet
Staff			4
.3 - Build Berm			
skimmer			1
Staff			6
Piping			
Sandbags			
.4 - No Onsite Options: Consider Offshore Containment/Recovery/ART			

Site **Site Name**

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

	Equipment	Sub-Type	Size/Unit	QTY/Unit
4-125 Cayucos Creek				
.1 - Deploy Containment Boom				
	Staff			6
	Boom	Swamp		200 feet
	skimmer			1
	Anchor			2
	Vehicle	ATV		
.2 - Erect Filter Fence				
	skimmer			1
	stakes			20
	Staff			4
	Misc.	Oil Snare (pom-pom)		
	Vehicle	ATV		
	Fence	Construction Fencing		200 feet
.3 - Build Berm				
	Staff			6
	Heavy Equip	Backhoe		
	Sandbags			
	Vehicle	ATV		
	skimmer			1
	Piping			
4-130 Morro Strand State Beach (North)/Willow Creek				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
.2 - Other: See Strategy Box				
	Misc.	Stakes		10
	Vehicle	ATV		1
	skimmer			1
	Boom	Swamp		100 feet
	Staff			2
4-135 Toro Creek				
.1 - Deploy Containment Boom				
	Boom	Swamp Boom		300 feet
	Misc.	Stake Driver		1
	skimmer			1
	Misc.	Stakes		5
.2 - Erect Filter Fence				
	Fence	Construction Fencing		300 feet
	Staff			4
	stakes			30
	skimmer			1
	Misc.	Oil Snare (pom-pom)		
.3 - Build Berm				
	skimmer			1
	Piping			
	Staff			6
	Sandbags			

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
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4-140 *Morro Strand State Beach (South)/Morro Creek*

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

.2 - Deploy Containment Boom

Stakes			10
Boom	Swamp Boom		100 feet
Misc.	Stake Driver		1
Staff			4

.3 - Erect Filter Fence

Misc.	Oil Snare (pom-pom)		
Vheicle	ATV		1
Staff			4
Stakes			10
Fence	Construction Fencing		100 feet
Stake driver			1

.4 - Build Berm

Staff			6
Sanbags			
Vheicle	ATV		1
Piping			

4-145 *Morro Strand State Beach (Pismo Clam Preserve)*

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-150 *Morro Rock Ecological Reserve*

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

1008.2 GRA 1 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-005-A	San Carpofo Creek and Beach	4-005-A	San Carpofo Creek and Beach
4-010-A	Arroyo Hondo Creek Beach	4-010-A	Arroyo Hondo Creek Beach
4-015-A	Arroyo de la Cruz/Laguna Creek and Beach	4-015-A	Arroyo de la Cruz/Laguna Creek and Beach
4-020-A	La Cruz Rock	4-020-A	La Cruz Rock
4-025-A	Arroyo Del Oso	4-025-A	Arroyo Del Oso
4-030-A	Arroyo Del Corral Creek and Beach	4-030-A	Arroyo Del Corral Creek and Beach
4-035-A	Point Piedras Blancas	4-035-A	Point Piedras Blancas
4-040-A	Elephant Seal Beaches (N&S of Pt. Piedras Blancas)	4-040-A	Elephant Seal Beaches (N&S of Pt. Piedras Blancas)
4-045-B	Rocky Intertidal - Hearst State Beach	4-045-B	Rocky Intertidal - Hearst State Beach
4-050-A	Oak Knoll Creek (a.k.a. Arroyo Laguna) and Beach	4-050-A	Oak Knoll Creek (a.k.a. Arroyo Laguna) and Beach
4-055-A	Arroyo Del Puerto Creek	4-055-A	Arroyo Del Puerto Creek
4-060-A	Broken Bridge Creek	4-060-A	Broken Bridge Creek
4-065-A	Rocks Offshore Little Pico Creek	4-065-A	Rocks Offshore Little Pico Creek
4-070-A	Little Pico Creek	4-070-A	Little Pico Creek
4-075-A	Pico Creek and Beach	4-075-A	Pico Creek and Beach
4-080-A	San Simeon Creek and Beach	4-080-A	San Simeon Creek and Beach
4-085-A	Santa Rosa Creek	4-085-A	Santa Rosa Creek
4-100-B	Cambria Air Force Base Rocky Intertidal	4-100-B	Cambria Air Force Base Rocky Intertidal
4-110-B	Point Estero Rocky Intertidal	4-110-B	Point Estero Rocky Intertidal
4-115-A	Villa Creek and Beach	4-115-A	Villa Creek and Beach
4-120-B	Cayucos Point and San Geronimo Creek	4-120-B	Cayucos Point and San Geronimo Creek
4-125-A	Cayucos Creek	4-125-A	Cayucos Creek
4-130-A	Morro Strand State Beach (North)/Willow Creek	4-130-A	Morro Strand State Beach (North)/Willow Creek
4-135-A	Toro Creek	4-135-A	Toro Creek
4-140-A	Morro Strand State Beach (South)/Morro Creek	4-140-A	Morro Strand State Beach (South)/Morro Creek
4-145-A	Morro Strand State Beach (Pismo Clam Preserve)	4-145-A	Morro Strand State Beach (Pismo Clam Preserve)
4-150-A	Morro Rock Ecological Reserve	4-150-A	Morro Rock Ecological Reserve

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1008.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - North San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
<p>William R. Hearst State Beach 750 Hearst Castle Rd. San Simeon CA 93452 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Hearst San Simeon State Park.</p>	<p>Site Number: 4-1-SL-100-D Operational Division: SL-B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.64292 -121.1876</p>
<p>San Simeon Pier 750 Hearst Castle Rd. San Simeon CA 93452 Phone: (951) 443-2969</p> <p>Site Description: Municipal pier. Hearst San Simeon State Park.</p>	<p>Site Number: 4-1-SL-110-D Operational Division: SL-B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.64292 -121.1876</p>
<p>San Simeon State Beach CA-1 and San Simeon-Monterey Creek Rd. Cambria CA 93428 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Hearst San Simeon State Park.</p>	<p>Site Number: 4-1-SL-120-D Operational Division: SL-B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.59621 -121.12679</p>
<p>Moonstone State Beach 6350 Moonstone Beach Dr. Cambria CA 93428 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Hearst San Simeon State Park.</p>	<p>Site Number: 4-1-SL-130-D Operational Division: SL-B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.57521 -121.1136</p>
<p>Shamel County Park Windsor Blvd & Pembroke Dr. Cambria CA 93428 Phone: (805) 781-5930</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-1-SL-140-D Operational Division: SL-C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.56596 -121.10867</p>
<p>Harmony Headlands State Beach Sea W Dr. Cayucos CA 93430 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Harmony Headlands State Park.</p>	<p>Site Number: 4-1-SL-150-D Operational Division: SL-C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.473 -121.0144</p>
<p>Abalone Farm/Harmony Coast Aquaculture CA-1 and Villa Creek Rd. Cayucos CA 93430 Phone: (805) 895-8486</p> <p>Site Description: Aquaculture - red abalone. Water intake at mean low water line. Secondary contact number is (805) 294-2575.</p>	<p>Site Number: 4-1-SL-160-D Operational Division: SL-D</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.45993 -120.98093</p>
<p>Estero Bluffs State Beach Cayucos CA 93430 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Estero Bluffs State Park.</p>	<p>Site Number: 4-1-SL-170-D Operational Division: SL-D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.46031 -120.96919</p>
<p>Cayucos Pier Ocean Front Ave. & Cayucos Dr. Cayucos CA 93430 Phone: (805) 781-5903 ext.7</p> <p>Site Description: Municipal pier.</p>	<p>Site Number: 4-1-SL-180-D Operational Division: SL-E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.44833 -120.90662</p>

Economic Sites - North San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Cayucos State Beach Ocean Front Ave. & Cayucos Dr. Cayucos CA 93430 Phone: (951) 443-2969 Site Description: Beach - day use.</p>	<p>Site Number: 4-1-SL-190-D Operational Division: SL - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.44861 -120.9053</p>
<p>Morro Strand State Beach Oceanside Dr. Morro Bay CA 93442 Phone: (951) 443-2969 Site Description: Beach - day use.</p>	<p>Site Number: 4-1-SL-200-D Operational Division: SL - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.40601 -120.871</p>
<p>Morro Rock Natural Preserve Morro Bay CA 93442 Phone: (951) 443-2969 Site Description: Beach - day use. Morro Bay State Park.</p>	<p>Site Number: 4-1-SL-210-D Operational Division: SL - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.36943 -120.87032</p>

1008.4 Shoreline Operational Divisions



Monterey/San Luis Obispo County line

1

Highway 1

4-005 San Carpofo Creek and Beach

4-010 Arroyo Hondo Creek Beach

Breaker Point

Pine Top Mountain

SL-Div A

Monterey/San Luis Obispo County line to Pt. Pierdas Blancas

Yellow Hill

Point Sierra Nevada

1

4-020 La Cruz Rock

4-015 Arroyo de la Cruz/Laguna Creek and Beach

Arroyo de la Cruz

4-025 Arroyo del Oso
Hain Castle

Arroyo del Corral

4-030 Arroyo del Corral Creek and Beach

Pt. Pierdas Blancas

4-040 Elephant Seal Beaches north of Pt. Pierdas Blancas

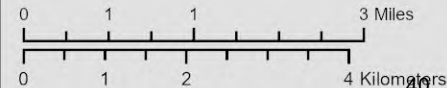


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR, CDFW
Author: OSPR, CDFW
Created: 1/18/2024

ACP 4/5 Annex C

San Luis Obispo (SL) County Operational Division A Environmental Sensitive Sites



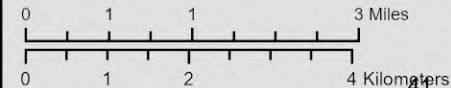


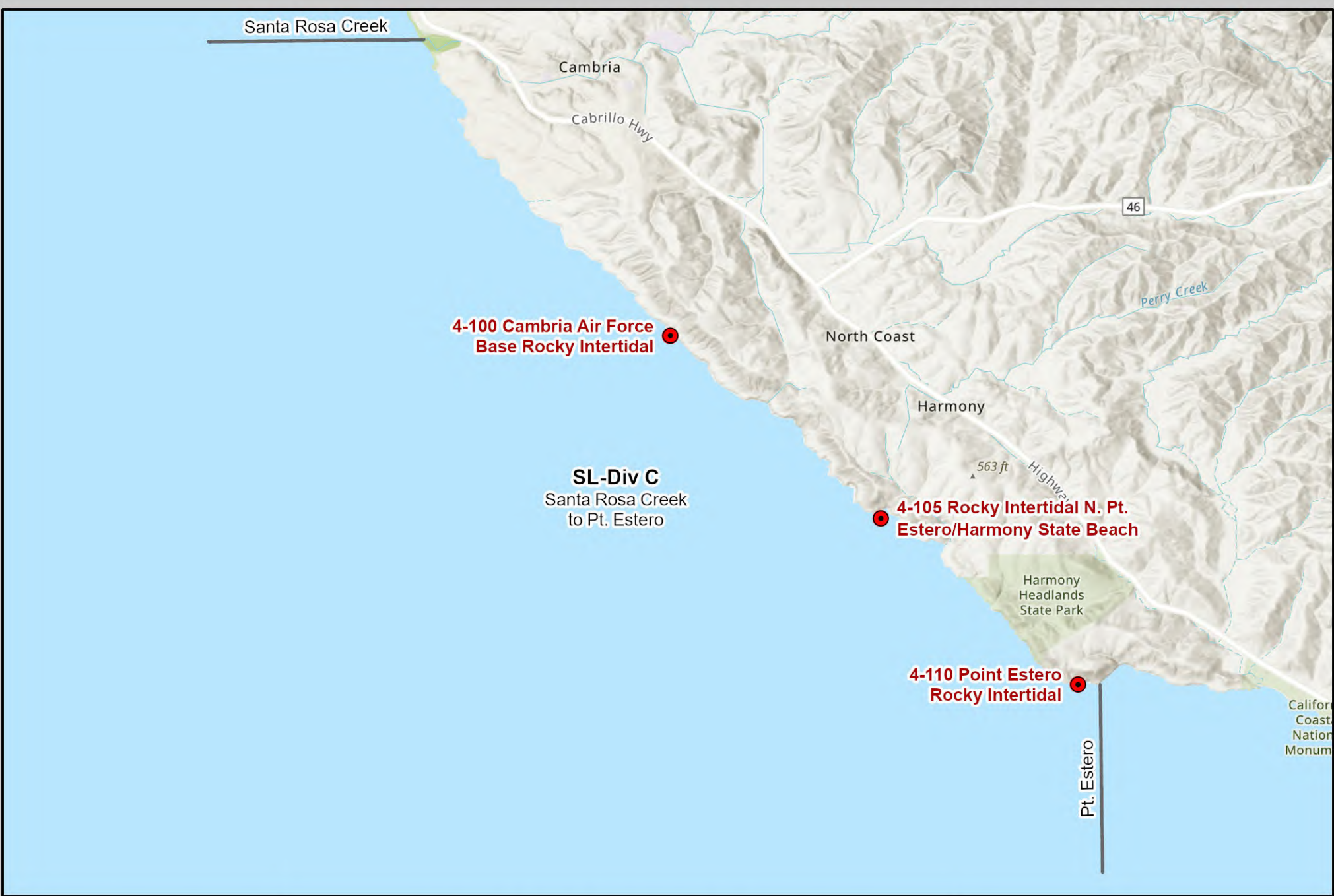
Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR, CDFW
Author: OSPR, CDFW
Created: 1/18/2024

ACP 4/5 Annex C

San Luis Obispo (SL) County Operational Division B Environmental Sensitive Sites





San Luis Obispo (SL) County
Operational Division C
Environmental Sensitive Sites

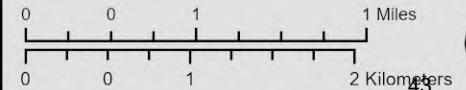


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR, CDFW
Author: OSPR, CDFW
Created: 1/18/2024

ACP 4/5 Annex C

San Luis Obispo (SL) County Operational Division D Environmental Sensitive Sites





San Luis Obispo (SL) County Operational Division E Environmental Sensitive Sites

1009 Morro Bay - San Luis Obispo County (GRA 2)

Morro Bay - San Luis Obispo County GRA 2 extends from the Morro Bay Inlet to the Cuesta by the Sea Inlet within the Morro Bay Estuary. This estuary is one of the largest wetland ecosystems on California's central coast and is recognized as a National Estuary. The estuary's roughly four-square miles are managed by the Morro Bay State Marine Reserve and Morro Bay State Marine Recreational Management Area. There are 6 Environmental Sensitive Sites. These sites consist mostly of salt and brackish-water marshes and sheltered tidal flats. Both Chorro Creek and Los Osos Creek are present and are the main contributors of freshwater to the estuary.





ACP 4 - GRA 2
Environmental Sensitive Sites
San Luis Obispo County


0 0 1 1 Kilometers
 0 0 1 Miles

Map center coordinates:
 120.8416°W 35.3422°N

46

Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response



Data Source: OSPR, CDFW
 Author: OSPR, CDFW
 ACP 4/5 Annex C
 Created 7/19/2023 at 1:15 PM

1009.1 Response Summary Tables

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

Summary of ACP 4 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
4-200	Morro Bay Inlet			
.1 - Deploy Containment Boom				
	Anchor		40 lb	6
	boat			2
	Boom	Harbor Boom		3100 feet
	skimmer			1
.2 - Deploy Containment Boom				
	Boom	Harbor Boom		3500 feet
	Anchor		40 lb	2
	boat			2
	skimmer			1
.3 - Divert Oil				
	boat			2
	Boom			3000 feet
4-215	Morro Bay, State Park Marina			
.1 - Deploy Containment Boom				
	Boom	Harbor Boom		550 feet
	Anchor		40 lb	2
	Staff			6
	boat			2
4-225	Chorro Creek			
.1 - Erect Filter Fence				
	Fence	Construction Fencing		150 feet
	skimmer			1
	Stakes			15
	Misc.	Stake Driver		1
	Staff			4
	Misc.	Oil Snare (pom-pom)		
.2 - Deploy Sorbent Boom				
	Misc.	Stake Driver		1
	Misc.	stake		20
	skimmer			1
	Staff			4
	Boom	Sorbent Boom		450 feet
4-230	Los Osos Creek			
.1 - Erect Filter Fence				
	skimmer			1
	Stakes			20
	Staff			4
	Misc.	Stake Driver		1
	Fence	Construction Fencing		150 feet
	Misc.	Oil Snare (pom-pom)		
.2 - Deploy Sorbent Boom				
	Staff			4
	skimmer			1
	Boom	Sorbent Boom		450 feet
	Stake driver			1
	Stakes			20

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-235 Sweet Springs Marsh			
.1 - Deploy Containment Boom			
Boom	Swamp Boom		150 feet
Misc.	Stakes		15
Misc.	Stake Driver		1
skimmer			1
.2 - Erect Filter Fence			
skimmer			1
Fence	Construction Fencing		150 feet
Stake driver			1
Stakes			15
Staff			4
Misc.	Oil Snare (pom-pom)		

4-240 Cuesta by the Sea Inlet

.1 - Deploy Containment Boom			
boat	Skiff		2
Anchor			2
skimmer			1
Staff			4
Boom	Swamp		350 feet

1009.2 GRA 2 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-200-A	Morro Bay Inlet	4-200-A	Morro Bay Inlet
4-215-A	Morro Bay, State Park Marina	4-215-A	Morro Bay, State Park Marina
4-225-A	Chorro Creek	4-225-A	Chorro Creek
4-230-A	Los Osos Creek	4-230-A	Los Osos Creek
4-235-A	Sweet Springs Marsh	4-235-A	Sweet Springs Marsh
4-240-A	Cuesta by the Sea Inlet	4-240-A	Cuesta by the Sea Inlet

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1009.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

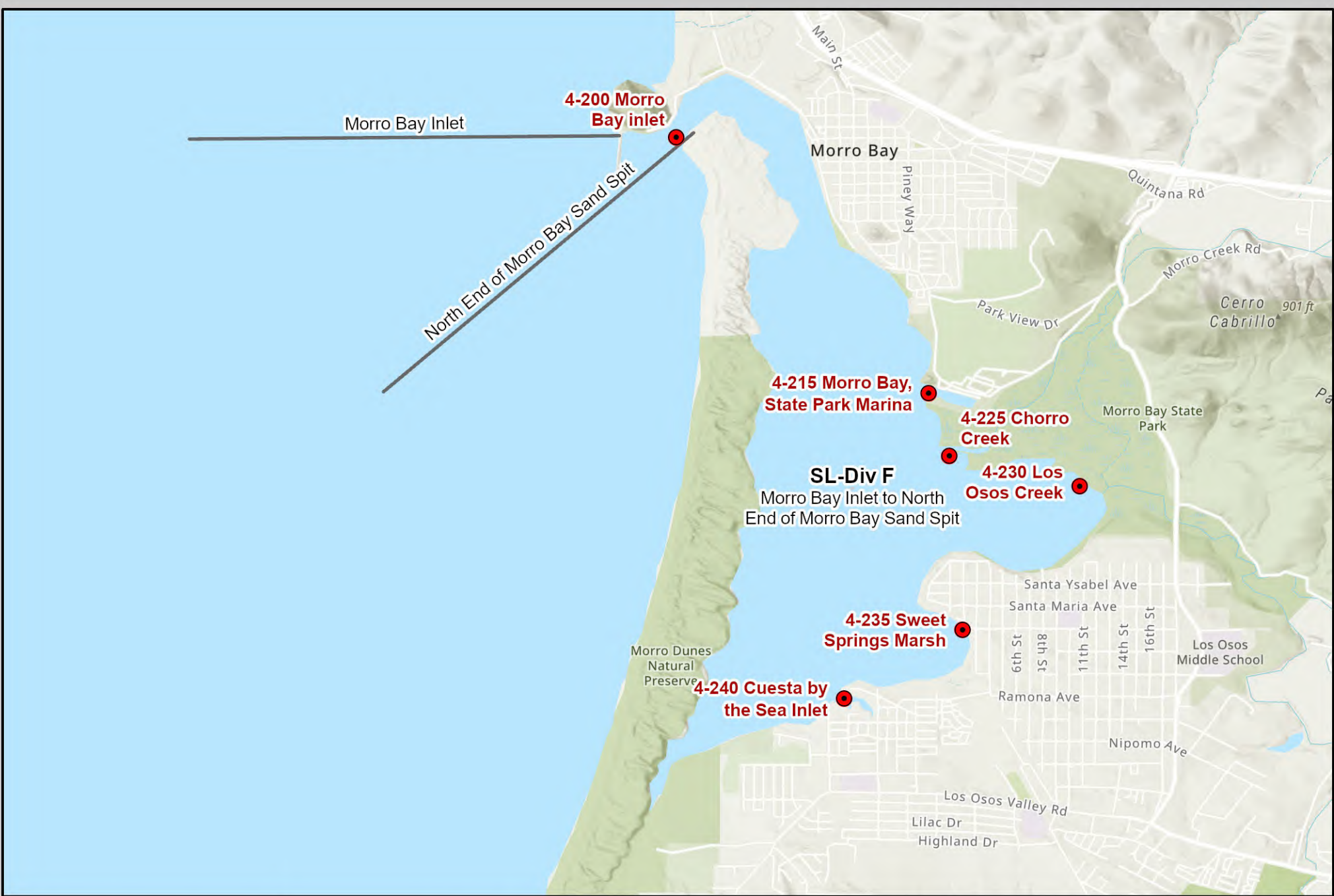
Economic Sites - Morro Bay - San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Morro Bay City Harbor 1275 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 772-6225</p> <p>Site Description: 50 berths, 125 moorings, fuel dock, boat repair and storage, liveaboards.</p>	<p>Site Number: 4-2-SL-100-D Operational Division: SL - F</p>	<p>Public Marinas and Harbors D Lat/Long: 35.37122 -120.85801</p>
<p>North T Pier Morro Bay 1275 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 772-6225</p> <p>Site Description: Municipal pier, short-term berthing, no liveaboards.</p>	<p>Site Number: 4-2-SL-110-D Operational Division: SL - F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.37107 -120.85798</p>
<p>Tognazzini's Dockside Too 1235 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 441-1451</p> <p>Site Description: Restaurant, water intake for live seafood tanks.</p>	<p>Site Number: 4-2-SL-120-D Operational Division: SL - F</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.37097 -120.85786</p>
<p>Morro Bay Wharf 1235 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 772-3100</p> <p>Site Description: Commercial wharf, water intake for live seafood tanks.</p>	<p>Site Number: 4-2-SL-130-D Operational Division: SL - F</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.37079 -120.85756</p>
<p>Tognazzini's Dockside Café 1245 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 441-1451</p> <p>Site Description: Restaurant, water intake for live seafood tanks.</p>	<p>Site Number: 4-2-SL-140-D Operational Division: SL - F</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.37084 -120.85733</p>
<p>South T Pier Morro Bay 1185 Embarcadero Rd. Morro Bay CA 93442 Phone: (805) 772-6225</p> <p>Site Description: Municipal pier, short-term berthing, no liveaboards.</p>	<p>Site Number: 4-2-SL-150-D Operational Division: SL - F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.36962 -120.85563</p>
<p>Giovanni's Fish Market 1001 Front St. Morro Bay CA 93442 Phone: (805) 772-2123</p> <p>Site Description: Water intake for live seafood tanks.</p>	<p>Site Number: 4-2-SL-160-D Operational Division: SL - F</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.368 -120.8542</p>
<p>Morro Bay Boat Ramp Morro Bay CA 93442 Phone: (805) 772-6225</p> <p>Site Description: Municipal boat ramp, short-term berthing, no liveaboards.</p>	<p>Site Number: 4-2-SL-170-D Operational Division: SL - F</p>	<p>Public Marinas and Harbors D Lat/Long: 35.35776 -120.85032</p>
<p>Morro Bay Boatyard 261 Main St. Morro Bay CA 93442 Phone: (805) 772-0135</p> <p>Site Description: Boat repair yard and berthing.</p>	<p>Site Number: 4-2-SL-180-D Operational Division: SL - F</p>	<p>Public Marinas and Harbors D Lat/Long: 35.35711 -120.84889</p>
<p>Morro Bay State Park Marina 10 State Park Rd. Morro Bay CA 93442 Phone: (805)772-7472</p> <p>Site Description: 18 berths, 14 moorings, fuel dock, no liveaboards.</p>	<p>Site Number: 4-2-SL-190-D Operational Division: SL - F</p>	<p>Public Marinas and Harbors D Lat/Long: 35.34591 -120.84189</p>

Economic Sites - Morro Bay - San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
Grassy Bar Oyster Co. Morro Bay CA 93442 Phone: (805) 471-9683 Site Description: Mariculture - oyster beds.	Site Number: 4-2-SL-200-D Operational Division: SL - F	Aquaculture and Mariculture D Lat/Long: 35.33736 -120.84998
Morro Bay Oyster Co. Morro Bay CA 93442 Phone: (805) 234-7102 Site Description: Mariculture - oyster beds.	Site Number: 4-2-SL-210-D Operational Division: SL - F	Aquaculture and Mariculture D Lat/Long: 35.33736 -120.84998

1009.4 Shoreline Operational Divisions




San Luis Obispo (SL) County Operational Division F Environmental Sensitive Sites

1010 South Central San Luis Obispo County (GRA 3)

South Central San Luis Obispo County GRA 3 extends from the Morro Bay Sand Spit to Avila Rock with approximately 20 miles of shoreline. There are 10 Environmental Sensitive Sites. Most of the shoreline is a mix of exposed rocky shore, salt and brackish-water marshes, fine to medium-grain sand beaches, and exposed wave-cut platforms in bedrock, cobble and boulder beaches. Both Islay Creek and San Luis Obispo Creek are present, and both are designated as critical habitat for steelhead trout. Except for these two creeks, and the Diablo Canyon Nuclear Power Plant, no shoreline response strategies exist for the additional Environmental Sensitive Sites. The recommendation is to consider offshore strategies during spill response.



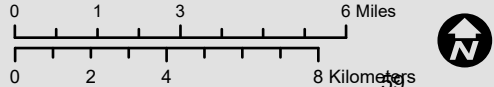
- Environmental Sensitive Sites
- Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created 7/19/2023 ACP 4/5 Annex C

ACP 4 - GRA 3

Environmental Sensitive Sites

San Luis Obispo County



1010.1 Response Summary Tables

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

Summary of ACP 4 GRA 3 Response Resources by Site and Sub-Strategy

Site	Site Name	Equipment	Sub-Type	Size/Unit	QTY/Unit
Sub-Strategy	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT				
4-300	<i>Morro Bay Sand Spit</i>				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART					
4-305	<i>Morro Dunes Ecological Reserve</i>				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART					
4-310	<i>Islay Creek</i>				
.1 - Deploy Containment Boom					
		Anchor			2
		Boom	Swamp		100 feet
		Staff			4
		skimmer			1
.2 - Erect Filter Fence					
		Fence	Construction Fencing		100 feet
		Staff			4
		skimmer			1
		Misc.	Stake Driver		1
		Misc.	Oil Snare (pom-pom)		
		Stakes			10
.3 - Build Berm					
		skimmer			1
		Sandbags			
		Piping			
		Staff			6
4-315	<i>Lion Rock</i>				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART					
4-320	<i>Diablo Canyon Nuclear Power Plant</i>				
.1 - Deploy Containment Boom					
		boat	Boom Boat		2
		Staff			6
		Boom	Harbor		1000 feet
		skimmer			1
.2 - Deploy Containment Boom					
		Staff			6
		skimmer			1
		boat			2
		Boom	Harbor Boom		400 feet
.3 - No Onsite Options: Consider Offshore Containment/Recovery/ART					
4-325	<i>Deer Canyon Rocky Intertidal</i>				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART					

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
-----------	----------	-----------	----------

4-330 ***Pecho Rock***

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-335 ***Point San Luis Breakwater***

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-340 ***San Luis Obispo Creek***

.1 - Deploy Containment Boom

Boom	Swamp Boom		1000 feet
Anchor			2
Staff			6
boat	Skiff or Punt		1
skimmer			1

.2 - Erect Filter Fence

Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		
Fence	Construction Fencing		200 feet
Staff			4
Stakes			20
skimmer			1

.3 - Build Berm

Vehicle	ATV		
Sandbags			
Heavy Equip	Backhoe		
Piping			
Staff			6

4-345 ***Avila Rock***

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

1010.2 GRA 3 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-300-A	Morro Bay Sand Spit	4-300-A	Morro Bay Sand Spit
4-305-A	Morro Dunes Ecological Reserve	4-305-A	Morro Dunes Ecological Reserve
4-310-A	Islay Creek	4-310-A	Islay Creek inlet
4-315-A	Lion Rock	4-315-A	Lion Rock
4-320-A	Diablo Canyon Nuclear Power Plant	4-320-A	Diablo Canyon Power Plant
4-325-B	Deer Canyon Rocky Intertidal	4-325-B	Deer Canyon Rocky Intertidal
4-330-B	Pecho Rock	4-330-B	Pecho Rock
4-335-A	Point San Luis Breakwater	4-335-A	Point San Luis Breakwater
4-340-A	San Luis Obispo Creek	4-340-A	San Luis Obispo Creek
4-345-B	Avila Rock	4-345-B	Avila Rock

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1010.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - South Central San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Morro Bay Sand Spit Sand Spit Rd. Morro Bay CA 93402 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use. Montaña de Oro State Park.</p>	<p>Site Number: 4-3-SL-100-D Operational Division: SL - F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.33954 -120.86074</p>
<p>Montaña de Oro State Park 3550 Pecho Valley Rd. Los Osos CA 93402 Phone: (951) 443-2969</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-3-SL-110-D Operational Division: SL - G</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.27433 -120.8885</p>
<p>Diablo Canyon Nuclear Power Plant Diablo Canyon Rd. San Luis Obispo CA 93405 Phone: (805) 545-3377</p> <p>Site Description: Water intake.</p>	<p>Site Number: 4-3-SL-120-HHS Operational Division: SL - H</p>	<p>Human Health and Safety or Critical Infrastructure Lat/Long: 35.20962 -120.85622</p>
<p>Harford Pier/Port San Luis Pier 3975 Port San Luis Pier San Luis Obispo CA 93405 Phone: (805) 595-5435</p> <p>Site Description: Municipal pier. Water intakes for live seafood tanks.</p>	<p>Site Number: 4-3-SL-130-D Operational Division: SL - I</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.17101 -120.75601</p>
<p>Patriot Sportfishing Port San Luis Pier 3 Avila Beach CA 93424 Phone: (805) 674-0412</p> <p>Site Description: Sportfishing charter and bait shop, water intake for live seafood tanks.</p>	<p>Site Number: 4-3-SL-140-D Operational Division: SL - I</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.17058 -120.75549</p>
<p>Harford Seafood Market 3989 Avila Beach Drive Avila Beach CA 93424 Phone: (805) 674-3297</p> <p>Site Description: Seafood market, water intake for live seafood tanks.</p>	<p>Site Number: 4-3-SL-150-D Operational Division: SL - I</p>	<p>Aquaculture and Mariculture D Lat/Long: 35.16832 -120.75371</p>
<p>Port San Luis Harbor 3950 Avila Beach Dr. San Luis Obispo CA 93405 Phone: (805) 595-5435</p> <p>Site Description: Mooring: 162, fuel dock, boat launch, boat repair and storage, liveaboards.</p>	<p>Site Number: 4-3-SL-160-D Operational Division: SL - I</p>	<p>Public Marinas and Harbors D Lat/Long: 35.17182 -120.75598</p>
<p>Cal Poly Pier Cal Poly Pier Avila Beach CA 93405 Phone: (805) 440-9302</p> <p>Site Description: Private pier, water intakes for marine laboratory.</p>	<p>Site Number: 4-3-SL-170-D Operational Division: SL - I</p>	<p>Aquariums and Marine Labs D Lat/Long: 35.17801 -120.74149</p>
<p>Avila Pier San Francisco St. & Front St. Avila Beach CA 93424 Phone: (805) 595-5435</p> <p>Site Description: Municipal pier, closed to the public in 2015 with the potential for reopening following repairs.</p>	<p>Site Number: 4-3-SL-180-D Operational Division: SL - I</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.17871 -120.73431</p>

Economic Sites - South Central San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
Avila Beach San Francisco St. & Front St. Avila Beach CA 93424 Phone: (805) 595-5435 Site Description: Beach - day use.	Site Number: 4-3-SL-190-D Operational Division: SL - I	Parks, Beaches, Recreational Areas D Lat/Long: 35.17871 -120.73431

1010.4 Shoreline Operational Divisions





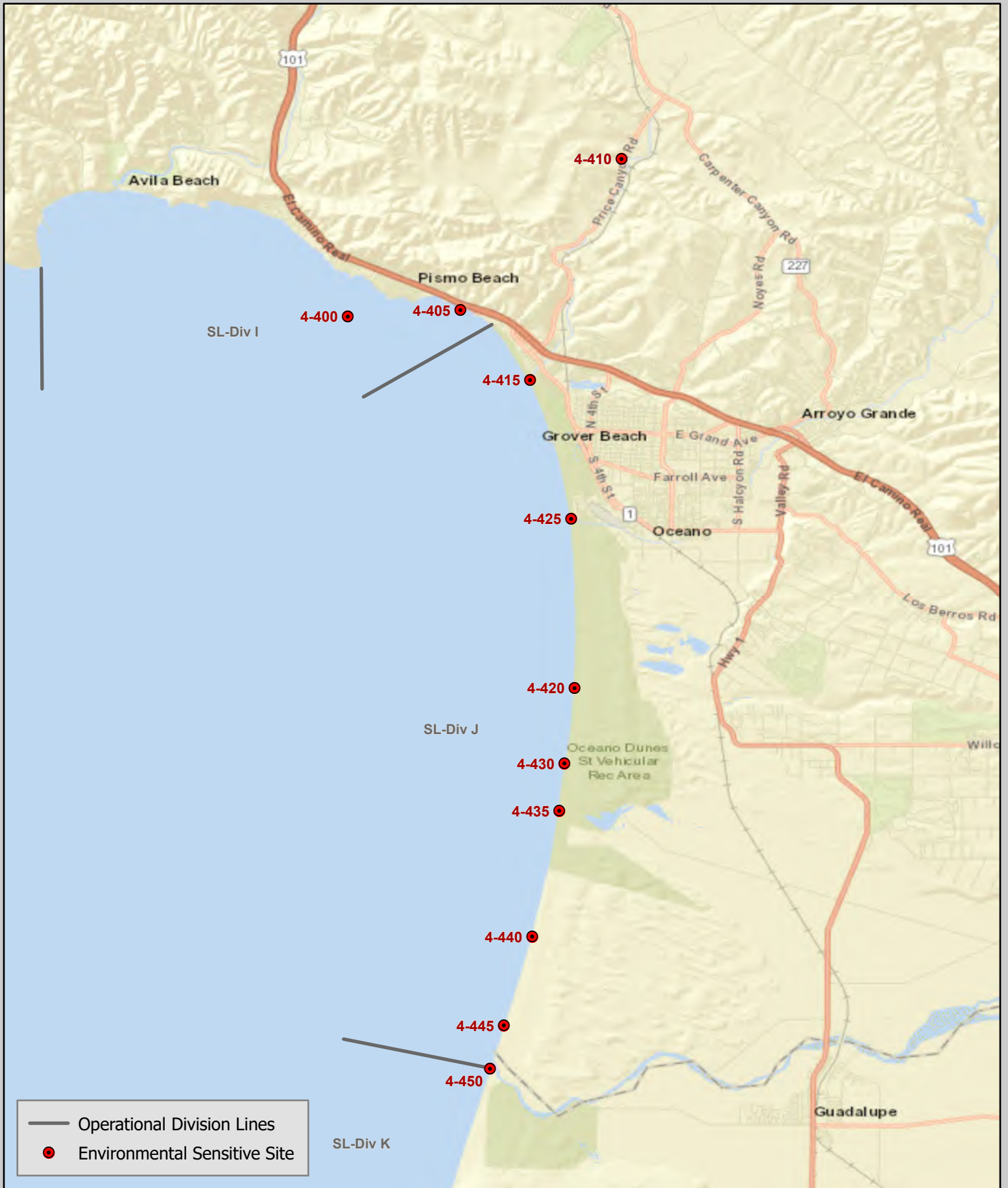
San Luis Obispo (SL) County Operational Division H Environmental Sensitive Sites




San Luis Obispo (SL) County Operational Division I Environmental Sensitive Sites


1011 South San Luis Obispo County (GRA 4)

South San Luis Obispo County GRA 4 extends from Bird Rock and Rocks Offshore Margo Dodd Park to the Santa Maria River with approximately 14 miles of shoreline. There are 11 Environmental Sensitive Sites. The Oceano Dunes State Vehicular Recreation Area and the United States Fish and Wildlife Service Guadalupe-Nipomo Dunes National Wildlife Refuge are within GRA 4. Most of the shoreline is a mix of salt and brackish-water marshes and fine to medium-grain sand beaches. There are multiple creeks of varying sizes. Except for these creeks, no shoreline response strategies exist for the additional Environmental Sensitive Sites. The recommendation is to consider offshore strategies during spill response.



Operational Division Lines
 Environmental Sensitive Site


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response



 Data Source: OSPR, CDFW
 Author: OSPR, CDFW
 ACP 4/5 Annex C
 Created 7/19/2023 at 1:16 PM

ACP 4 - GRA 4


Environmental Sensitive Sites

San Luis Obispo County

0 1 3 4 Kilometers
 0 1 2 Miles

Map center coordinates:
 120.6474°W 35.0823°N

74



1011.1 Response Summary Tables

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

Summary of ACP 4 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
4-400	Bird Rock & Rocks Offshore Margo Dodd Park			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-405	Rocky Intertidal - Shell Beach			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-410	Pismo Creek Upstream			
.1 -	Deploy Containment Boom			
	Staff			4
	Misc.	Stake Driver		1
	Misc.	Stakes		10
	Boom	Swamp		300 feet
	skimmer			1
	Vac truck			1
.2 -	Other: See Strategy Box			
	Vac truck			1
	Staff			4
.3 -	Erect Filter Fence			
	skimmer			1
	Fence	Construction Fencing		100 feet
	Misc.	Stake Driver		1
	Misc.	Oil Snare (pom-pom)		1
	Staff			4
	Misc.	Stakes		10
4-415	Pismo Creek			
.1 -	Deploy Containment Boom			
	Boom	Swamp		150 feet
	Anchor			2
				1
	Staff			4
	Vheicle	ATV		
	skimmer			1
.2 -	Erect Filter Fence			
	Misc.	Stake Driver		1
	Misc.	Oil Snare (pom-pom)		
	skimmer			1
	Staff			4
	Vheicle	ATV		1
	Stakes			15
	Fence	Construction Fencing		150 feet
.3 -	Build Berm			
	Heavy Equip	Backhoe		
	skimmer			1
	Piping			
	Staff			6
	Sandbags			
4-420	Pismo State Beach			
.1 -	No Onsite Options: Consider Offshore Containment/Recovery/ART			

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-425 Arroyo Grande Creek			
.1 - Deploy Containment Boom			
skimmer			1
Anchor			2
Vehicle	ATV		1
Staff			4
Boom	Swamp		150 feet
.2 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		
Vehicle	ATV		1
Fence	Construction Fencing		150 feet
skimmer			1
Stakes			15
Staff			4
Misc.	Stake Driver		1
.3 - Build Berm			
Staff			6
Sandbags			
Piping			
skimmer			1
Heavy Equip	Backhoe		
4-430 Oceano Dunes State Vehicular Recreation Area			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-435 Oso Flaco Creek			
.1 - Deploy Containment Boom			
Vehicle	ATV		1
Boom	Swamp		150 feet
Anchor			2
Staff			4
.2 - Erect Filter Fence			
Vehicle	ATV		1
skimmer			1
Staff			4
Misc.	Oil Snare (pom-pom)		
Misc.	Stake Driver		1
Fence	Construction Fencing		150 feet
Stakes			15
.3 - Build Berm			
Piping			
Sandbags			
Heavy Equip	Backhoe		
skimmer			1
Vehicle	ATV		1
Staff			6
4-440 USFWS Guadalupe-Nipomo Dunes NWR			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-445 Guadalupe Oil Field			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-450 Santa Maria River			
.1 - Deploy Containment Boom			
skimmer			1
Staff			6
Boom	Swamp Boom		1000 feet
Vehicle	ATV		
.2 - Erect Filter Fence			
Fence	Construction Fencing		500 feet
skimmer			1
Stakes			50
Misc.	Oil Snare (pom-pom)		
Staff			6
Vehicle	ATV		1
.3 - Build Berm			
Vehicle	ATV		1
Sandbags			
Piping			
skimmer			1
Staff			6
Heavy Equip	Backhoe		
.4 - Other: See Strategy Box			

1011.2 GRA 4 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-400-A	Bird Rock & Rocks Offshore Margo Dodd Park	4-400-A	Bird Rock & Rocks Offshore Margo Dodd Park
4-405-B	Rocky Intertidal - Shell Beach	4-405-B	Rocky Intertidal - Shell Beach
4-410-A	Pismo Creek Upstream	4-410-A	Pismo Creek Upstream
4-415-A	Pismo Creek	4-415-A	Pismo Creek
4-420-A	Pismo State Beach	4-420-A	Pismo State Beach
4-425-A	Arroyo Grande Creek	4-425-A	Arroyo Grande Creek
4-430-A	Oceano Dunes State Vehicular Recreation Area	4-430-A	Oceano Dunes State Vehicular Recreation Area
4-435-A	Oso Flaco Creek	4-435-A	Oso Flaco Creek
4-440-A	USFWS Guadalupe-Nipomo Dunes NWR	4-440-A	USFWS Guadalupe-Nipomo Dunes NWR
4-445-A	Guadalupe Oil Field	4-445-A	Guadalupe Oil Field
4-450-A	Santa Maria River	4-450-A	Santa Maria River

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1011.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites -South San Luis Obispo County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Pismo Pier 158 Hinds Ave. Pismo Beach CA 93449 Phone: (805) 574-4100 Site Description: Municipal pier.</p>	<p>Site Number: 4-4-SL-100-D Operational Division: SL - J</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.13862 -120.64321</p>
<p>Pismo State Beach 158 Hinds Ave. Pismo Beach CA 93449 Phone: (805) 574-4100 Site Description: Beach - day use. Public vehicles permitted on beach.</p>	<p>Site Number: 4-4-SL-110-D Operational Division: SL - J</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.13862 -120.64321</p>
<p>Oceano Dunes State VRA 100 Pier Ave. Oceano CA 93445 Phone: (805) 574-4100 Site Description: Beach - camping and day use. Public vehicles permitted on beach. Off-highway vehicles permitted on beach and dunes between beach post markers 2 and 8.</p>	<p>Site Number: 4-4-SL-120-D Operational Division: SL - J</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 35.06324 -120.62586</p>

1011.4 Shoreline Operational Divisions



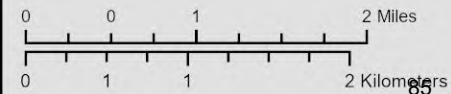
Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR, CDFW
Author: OSPR, CDFW
Created: 1/18/2024

NAD_1983_California_Teale_Albers

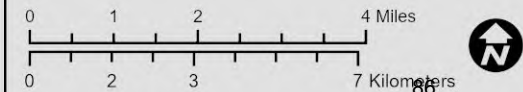
ACP 4/5 Annex C

San Luis Obispo (SL) County Operational Division I Environmental Sensitive Sites





San Luis Obispo (SL) County Operational Division J Environmental Sensitive Sites





Santa Maria River

Rancho Guadalupe Dunes Park

SL-Div K
Santa Maria River
to Mussel Rock

458 ft

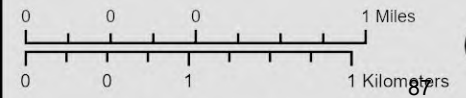
North of Mussel Point



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

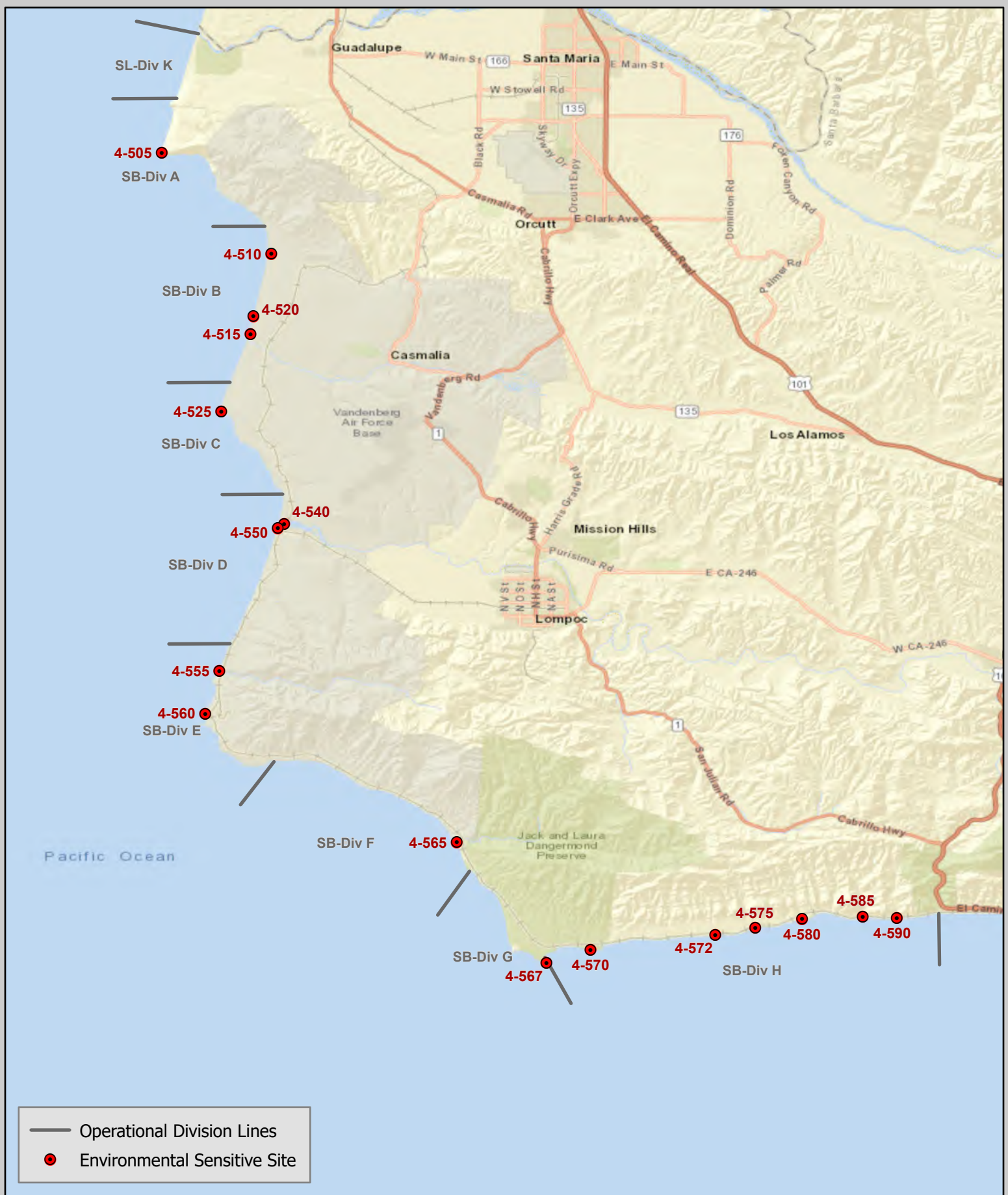
Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
Author: OSPR, CDFW
Created: 1/18/2024 ACP 4/5 Annex C



**Santa Barbara (SL) County
Operational Division K
Environmental Sensitive Sites**



1012 North/West Santa Barbara County (GRA 5)

North/West Santa Barbara County GRA 5 extends from Point Sal State Beach to Gaviota for approximately 57 miles to the 101 highway. There are 17 Environmental Sensitive Sites. Most of the shoreline is a mix of exposed rocky shore, exposed wave-cut platforms in bedrock, fine to medium-grain sand beach, cobble, and boulder beaches. There are several coastal estuaries and wetlands of varying size with Santa Ynez being the largest. Most of the shoreline is exposed.



 Operational Division Lines
 Environmental Sensitive Site

ACP 4 - GRA 5

Environmental Sensitive Sites

Santa Barbara County

1012.1 Response Summary Tables

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

Summary of ACP 4 GRA 5 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
-----------	----------	-----------	----------

4-505 Point Sal

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-510 Schuman Creek

.1 - Exclude Oil

Staff	Staff		5
Boom	Sorbent Boom		80 feet
Boom	Swamp Boom		100 feet
Anchor			5
Vehicle	ATV		1

.2 - Erect Filter Fence

Vehicle	ATV		1
Misc.	Stake Driver		1
Stakes	T-posts	6 feet	20
Misc.	Oil Snare (pom-pom)		80
Fence	Construction Fencing	4 x 100 feet	2 Rolls
Staff			4

4-515 San Antonio Creek

.1 - Exclude Oil

Boom	Swamp Boom	1500 feet	
Staff	Staff	5	
Anchor		8	
Vehicle	ATV	1	
Boom	Sorbent Boom	1500 feet	

.2 - Erect Filter Fence

Fence	Construction Fencing	4 x 100 feet	15 Rolls
Misc.	Oil Snare (pom-pom)		750
stakes	T-posts	6 feet	30
Misc.	Stake Driver		1
Staff			5
Vehicle	ATV		1

.3 - Build Sandbag Dam

Staff			5
Vehicle	ATV		1
Anchor			8
Boom	Sorbent Boom		1500 feet
Sandbags			300

4-520 Lion's Head to Purisima Point: North

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-525 Purisima Point

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

4-540 Santa Ynez River

.1 - Exclude Oil

Boom	Sorbent Boom		1000 feet
Boom	Swamp Boom		2400 feet
Anchor			6
Vessel	Skiff or Punt		1
Staff	Staff		5

4-550 Ocean (Wall and Surf) Beach

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-555 La Honda Creek			
.1 - Exclude Oil			
Boom	Sorbent Boom		200 feet
Boom	Swamp Boom		200 feet
Staff	Staff		5
Anchor			2
Vehicle	ATV		1
.2 - Erect Filter Fence			
Vehicle	ATV		1
Staff			5
Fence	Construction Fencing	4 x 100 feet	2 Rolls
Misc.	Stake Driver		1
stakes	T-posts	6 feet	4
Misc.	Oil Snare (pom-pom)		200
.3 - Build Sandbag Dam			
anchors			4
Boom	Sorbent Boom		200 feet
Staff			5
Vehicle	ATV		1
Sandbags			150
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Vehicle	ATV		1
Staff	Staff		5
4-560 Point Pedernales & Point Arguello			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
Vehicle	ATV		1
4-565 Jalama Creek			
.1 - Exclude Oil			
Boom	Swamp Boom		200 feet
Staff			5
Boom	Sorbent Boom		200 feet
Anchor			4
.2 - Build Sandbag Dam			
Sandbags			150
Staff			5
Anchor			4
Boom	Sorbent Boom		200 feet
.3 - Erect Filter Fence			
Fence	Construction Fencing	4 x 100 feet	4 Rolls
Misc.	Oil Snare (pom-pom)		200
stakes	T-posts	6 feet	40
Misc.	Stake Driver		1
Staff			5
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		

4-567 Point Conception & Government Point

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-570 Damsite Canyon Creek			
.1 - Exclude Oil			
Vehicle	ATV		1
Anchor			5
Staff			5
Boom	Sorbent Boom		100 feet
Boom	Swamp Boom		100 feet
.2 - Build Sandbag Dam			
Vehicle	ATV		1
Sandbags			150
Anchor			2
Staff			5
Boom	Sorbent Boom		80 feet
.3 - Erect Filter Fence			
Fence	Construction Fencing	4 x 100 feet	2 Rolls
Misc.	Oil Snare (pom-pom)		160
stakes	T-posts	6 feet	20
Misc.	Stake Driver		1
Vehicle	ATV		1
Staff			5
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Vehicle	ATV		1
Staff			5

4-572 San Augustine Creek

.1 - Build Sandbag Dam			
Staff			5
Sandbags			20
Vehicle	ATV		1
Boom	Sorbent Boom		15 feet
.2 - Erect Filter Fence			
Staff			5
Vehicle	ATV		1
Fence	Construction Fencing	4 x 100	15 Rolls
Misc.	Oil Snare (pom-pom)		30
stakes	T-posts	6 feet	10

4-575 Arroyo El Bulito

.1 - Exclude Oil			
Boom	Swamp Boom		100 feet
Vehicle	ATV		1
Staff			5
Boom	Sorbent Boom		100 feet
Anchor			2
.2 - Build Sandbag Dam			
Sandbags			100
Vehicle	ATV		1
Staff			5
Boom	Sorbent Boom		40 feet
.3 - Erect Filter Fence			
stakes	T-posts	6 feet	20
Staff			5
Misc.	Stake Driver		1
Fence	Construction Fencing	4 x 100 feet	1 Rolls
Misc.	Oil Snare (pom-pom)		60
Vehicle	ATV		1

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-580 Canada De Santa Anita			
.1 - Exclude Oil			
Staff	Staff		5
Boom	Swamp Boom		200 feet
Vehicle	ATV		1
Anchor			4
Boom	Sorbent Boom		200 feet
.2 - Erect Filter Fence			
Vehicle	ATV		1
Staff			5
Fence	Construction Fencing	4 x 100 feet	4 Rolls
Misc.	Oil Snare (pom-pom)		200
stakes	T-posts	6 feet	80
Misc.	Stake Driver		1
.3 - Build Sandbag Dam			
Staff			5
Boom	Sorbent Boom		200 feet
Sandbags			150
stakes			20
Vehicle	ATV		1
4-585 Canada De Alegria			
.1 - Exclude Oil			
Anchor			4
Staff			5
Boom	Swamp Boom		200 feet
Boom	Sorbent Boom		200 feet
Vehicle	ATV		1
.2 - Build Sandbag Dam			
stakes			20
Staff			5
Vehicle	ATV		1
Boom	Sorbent Boom		200 feet
Sandbags			150
.3 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		200
stakes	T-posts	6 feet	20
Misc.	Stake Driver		1
Fence	Construction Fencing	4 x 100 feet	4 Rolls
Staff			5
Vehicle	ATV		1
4-590 Canada Del Agua Caliente			
.1 - Exclude Oil			
Boom	Sorbent Boom		200 feet
Boom	Swamp Boom		200 feet
Staff			5
Vehicle	ATV		1
Anchor			4
.2 - Build Sandbag Dam			
Vehicle	ATV		1
Staff			5
Sandbags			150
stakes			20
Boom	Sorbent Boom		200 feet
.3 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		200
stakes			20
Vehicle	ATV		1
Staff			5
Misc.	Stake Driver		1
Fence	Construction Fencing	4 x 100 feet	4 Rolls

1012.2 GRA 5 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-505-A	Point Sal	4-505-A	Point Sal
4-510-A	Schuman Creek	4-510-A	Schuman Creek
4-515-A	San Antonio Creek	4-515-A	San Antonio Creek
4-520-A	Lion's Head to Purisima Point: North	4-520-A	Lion's Head to Purisima Point: North
4-525-A	Purisima Point	4-525-A	Purisima Point
4-540-A	Santa Ynez River	4-540-A	Santa Ynez River
4-550-A	Ocean (Wall and Surf) Beach	4-550-A	Ocean (Wall and Surf) Beach
4-555-A	La Honda Creek	4-555-A	La Honda Creek
4-560-A	Point Pedernales & Point Arguello	4-560-A	Point Pedernales & Point Arguello
4-565-A	Jalama Creek	4-565-A	Jalama Creek
4-567-A	Point Conception & Government Point	4-567-A	Point Conception & Government Point
4-570-A	Damsite Canyon Creek	4-570-C	Damsite Canyon Creek
4-572-A	San Augustine Creek	4-572-B	San Augustine Creek
4-575-A	Arroyo El Bulito	4-575-A	Arroyo El Bulito
4-580-A	Canada De Santa Anita	4-580-A	Canada De Santa Anita
4-585-A	Canada De Alegria	4-585-A	Canada De Alegria
4-590-A	Canada Del Agua Caliente	4-590-A	Canada Del Agua Caliente

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1012.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - North/West Santa Barbara County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Point Sal State Beach Point Sal Rd., West of Guadalupe</p> <p>Phone: (951) 443-2969</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-5-SB-100-D Operational Division: SB-A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.89739 -120.64248</p>
<p>Ocean Beach County Park 6851 Ocean Park Rd., Hwy 246, 10 mi West of Hwy 1</p> <p>Phone: (805) 896-7007</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-5-SB-110-D Operational Division: SB-D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.68972 -120.60134</p>
<p>Jalama Beach County Park Jalama Beach Rd, 20 mi S. of Lompoc</p> <p>Phone: (805) 736-6890</p> <p>Site Description: Beach - camping and day use with fee.</p>	<p>Site Number: 4-5-SB-120-D Operational Division: SB-F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.51057 -120.49971</p>

1012.4 Shoreline Operational Divisions

Division A Description

Point Sal Area - This Division includes 7 miles of shoreline which extends from Mussel Point to the rocky headland located at the north end of Minuteman Beach. There are three main sandy beaches in this Division. None are accessible by vehicle including Point Sal State Beach. The northern beach which is Paradise Beach extends south 1.5 miles from Mussel Point and terminates in a series of exposed rock cliffs and wave-cut platforms backed by cliffs with rock pinnacles offshore, the largest being Lion Rock. Point Sal State Beach is a high energy medium-grained sand beach southeast of Lion Rock with a southern exposure. This Division is also a coastal sensitive site because it provides foraging, roosting, rafting, and hauling out areas for significant numbers of birds and marine mammals several of which are T/E listed species. The only way to protect biota and habitats in this area is to implement offshore response alternatives.

Division B Description

Minuteman Beach Area - This Division includes 6.3 miles of wide fine-grained sand beach backed by sensitive coastal dunes which provide habitat and nesting areas for California least terns and western snowy plovers. The beach has only two access points. Minuteman parking lot at the north and in the vicinity of San Antonio Creek at the south. It has two sensitive inlets, Schuman and San Antonio Creeks which contain tidewater gobies and steelhead (F/E fish). Because of the nesting habitat for western snowy plovers, the beach itself is treated as a sensitive site. All beach access must be cleared with the Vandenberg Space Force Base – Conservation Office.

Division C Description

Purisima Point Area - This Division includes 5 miles of dunes and unbroken shorelines which provide nesting and foraging habitat for western snowy plover and California least terns. There are haul-out areas for pinnipeds. The northern shoreline is dominated by cobble/boulder beaches and bedrock reefs backed by sensitive coastal dune habitat. The Purisima Point area is accessible from Tangair Road however, the shoreline is accessible only through sensitive dunes. Existing access roads and trails would have to be widened and graded for response purposes. Security fencing would have to be installed in some locations to limit public access. South of Purisima Point, coastal bluffs are higher and access to the shoreline decreases. All beach access must be cleared with the Vandenberg Space Force Base – Conservation Office.

Division D Description

Wall and Ocean Beaches - This Division includes 6.2 miles of continuous fine to medium-grained sand beaches backed by vegetated sand dunes. These beaches are nesting and foraging areas for California least terns and western snowy plovers between March 15 and September 15. This division includes the Santa Ynez River mouth, lagoon, and coastal saltmarsh which support a diverse array of sensitive habitats and animals including several T/E species and migratory birds. There are three principal access points to this stretch of beach - Wall Beach, north of the Santa Ynez River, SB County's Ocean Park, and Surf Beach south of

the Santa Ynez River. All beach access must be cleared with the Vandenberg Space Force Base – Conservation Office.

Division E Description

Point Pedernales, Point Arguello, Rocky Point east to Boathouse Cove - This Division is 6.5 miles of exposed rock cliffs, wave-cut platforms, fine to medium-grained sand beaches, and mixed sand and gravel beaches. Virtually all the shoreline within this division, but La Honda Creek, is inaccessible for responders, vehicles, or heavy equipment. The rocky habitat within this area has a very rich intertidal zone with diverse algal and invertebrate communities which include but are not limited to black abalone, and rock crabs. La Honda Creek is known to support tidewater gobies, a federally listed endangered fish. Sea Otters and pinnipeds occur in this area. All beach access must be cleared with the Vandenberg Space Force Base – Conservation Office.

Division F Description

Jalama Area - This 8.4 mile stretch of coastline provides undisturbed areas for hauling-out and roosting for marine mammals and birds. The shoreline between the boathouse and Jalama Beach is characterized by extensive bedrock tidepools, interspersed with narrow sand beaches that are backed by steep coastal bluffs. Most of this division is not accessible except by landing craft or helicopter. The beach widens toward the south near the County Park. Access along the division remains discontinuous for motorized vehicles because of bedrock outcroppings. The southern portion of this Division is accessible from Jalama Beach County Park.

Division G Description

Southeast of Jalama Creek, Point Conception/Government Point/Cojo Bay - This isolated 5.2 mile stretch of coast, located on the Jack and Laura Dangermond Preserve (TNC), provides quiet areas for hauling out and roosting for marine mammals and birds. The shoreline is characterized by extensive bedrock tidepools, interspersed with narrow to moderately wide sand beaches. It is backed by steep coastal bluffs and is not accessible except by foot traffic, inflatables, landing craft, or helicopter. The sand beach is discontinuous for motorized vehicles because of bedrock outcroppings which extend shoreward to the bluffs. The Point Conception to Government Point area at the south boundary of this division is a bedrock headland bordered by steep cliffs and narrow pocket beaches. The sandy beach located at the south end of this Division provides limited access for foot traffic to the west and both foot traffic and ATVs to the east. There are no sensitive coastal inlets in this area.

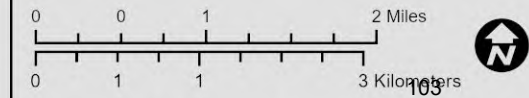
Division H Description

This 13.7 mile stretch of coastline is primarily sandy shoreline backed by steep coastal bluffs. It includes portions of the Jack and Laura Dangermond Preserve (TNC) and Hollister Ranch. There are six sensitive inlets within this division. Long-shore travel is possible for heavy equipment and vehicles along much of the coastline from the sandy beach east of Government Point to Arroyo El Bulito (AEB). Just to the east of AEB, the beach is narrowed by a seawall and may be impassable at high tides. Longshore beach access is likely to be interrupted

between Canada de Santa Anita, Canada de Alegria and Canada Del Agua Caliente (CDAC). The beach is not passable between CDAC and Gaviota Pier under most conditions. There is an entry gate located at the east end of Hollister Ranch.



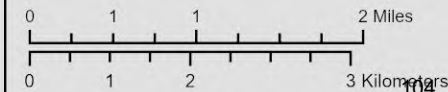
Santa Barbara (SB) County Operational Division A Environmental Sensitive Sites





SB-Div B
 North End of Minuteman
 Beach South to Purisma Point

Santa Barbara (SB) County
Operational Division B
Environmental Sensitive Sites





SB-Div C
 Purisima Point South
 to North of Wall Beach

4-525 Purisima Point

Purisima Point

Tangair

177 ft

108 ft

Purisima Point

North of Wall Beach

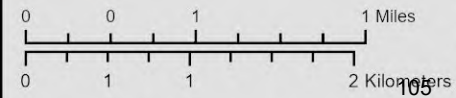


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response

Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created: 1/22/2024

ACP 4/5 Annex C

**Santa Barbara (SB) County
 Operational Division C
 Environmental Sensitive Sites**





SB-Div D
 North of Wall Beach South
 to South End of Surf Beach

**4-540 Santa
 Ynez River**

**4-550 Ocean (Wall
 and Surf) Beach**

South End of Surf Beach

California
 Coastal
 National
 Monument

Honda

Lompoc
 Terrace

Lompoc Canyon

Bear Creek

W Ocean Ave

246

Vandenberg Air
 Force Base

416 ft

296 ft

886 ft



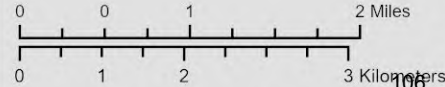
Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response

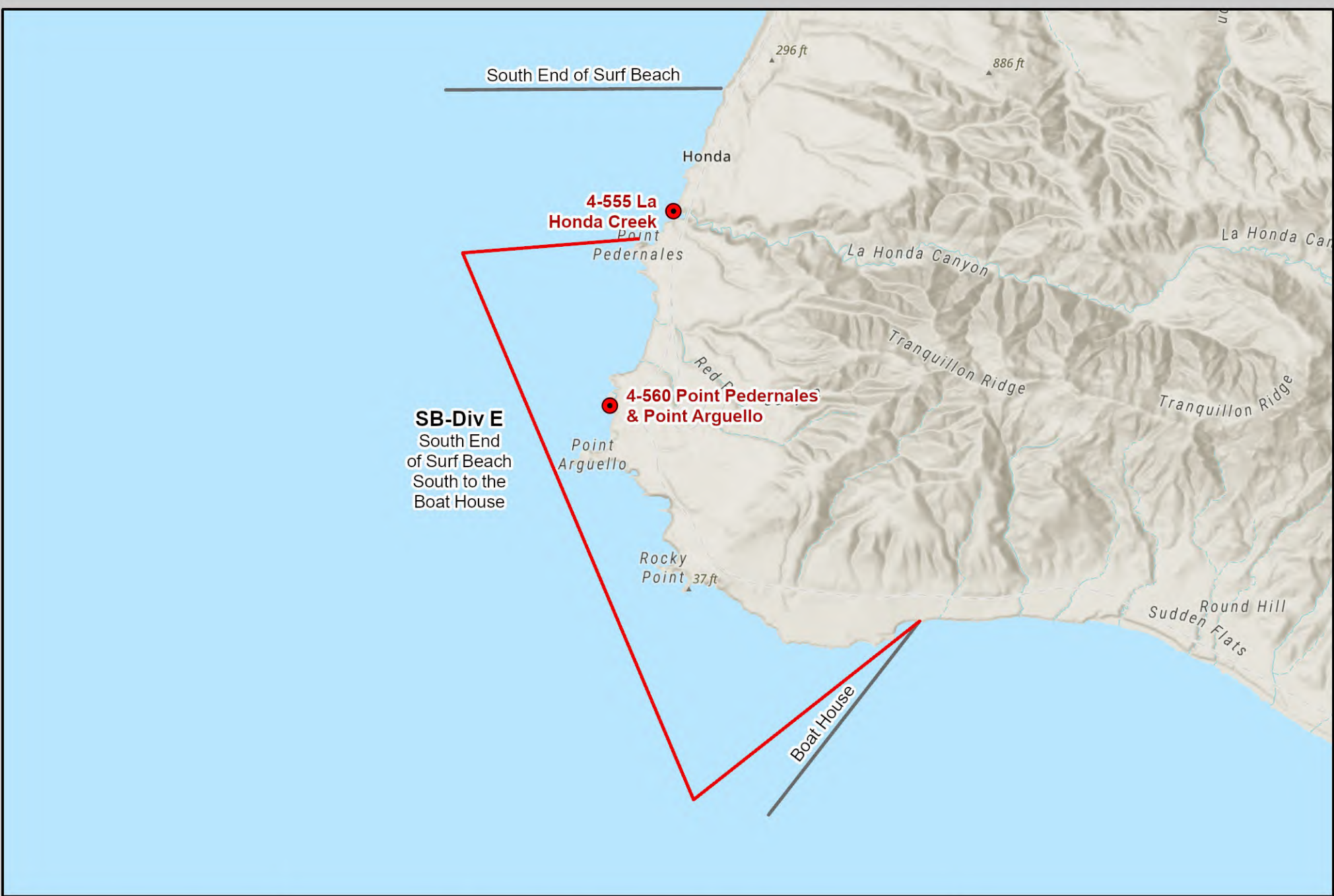
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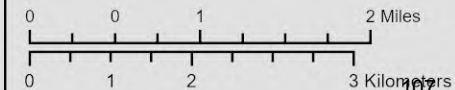
ACP 4/5 Annex C

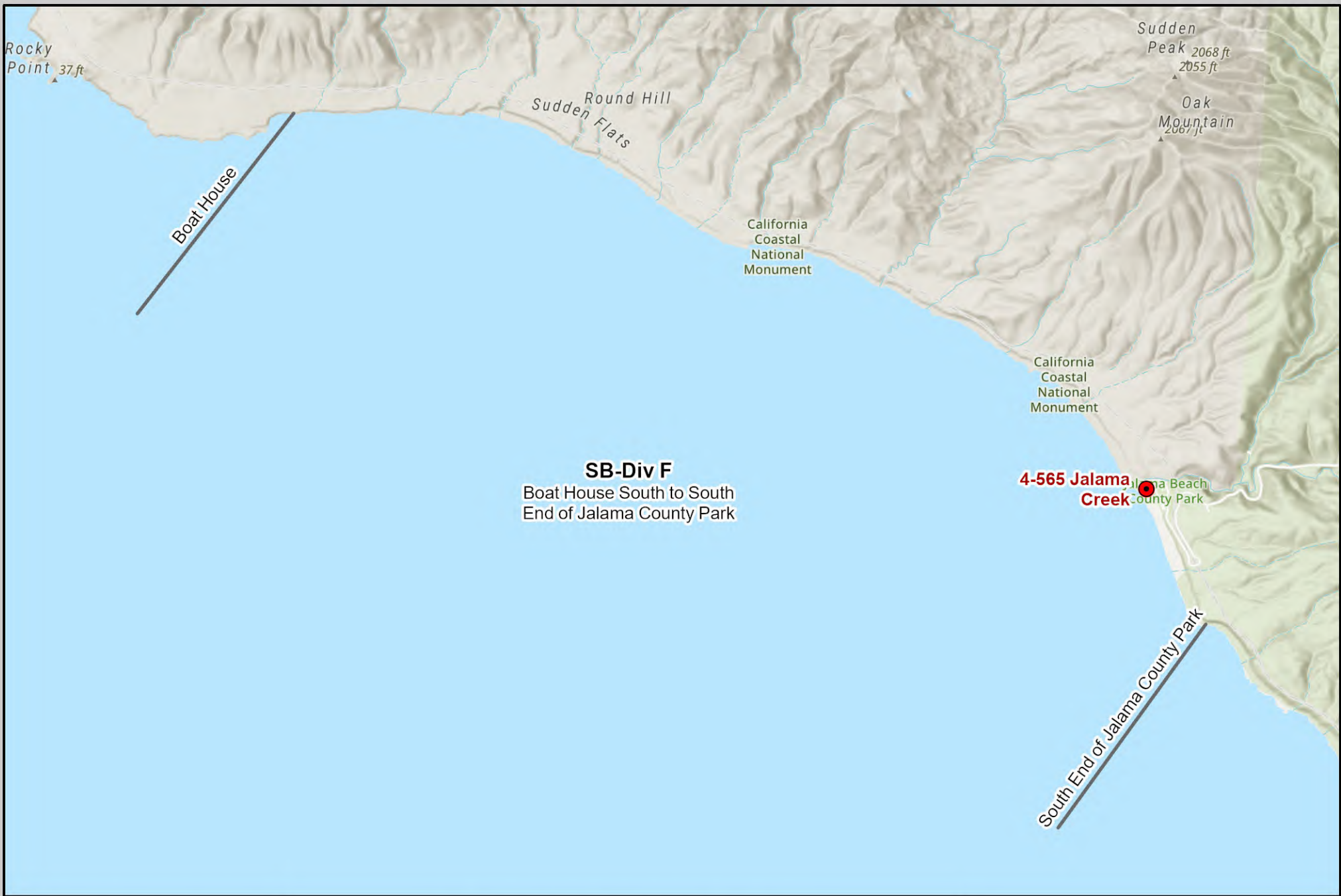
**Santa Barbara (SB) County
 Operational Division D
 Environmental Sensitive Sites**





Santa Barbara (SB) County
Operational Division E
Environmental Sensitive Sites

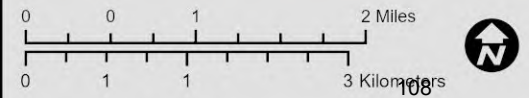




SB-Div F
 Boat House South to South
 End of Jalama County Park

**4-565 Jalama
 Creek**

Santa Barbara (SB) County
Operational Division F
Environmental Sensitive Sites





SB-Div G
 South End
 of Jalama County
 Park South to
 Government Point

**4-567 Point Conception
 & Government Point**

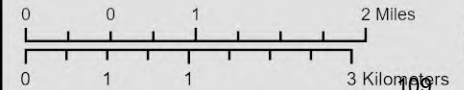


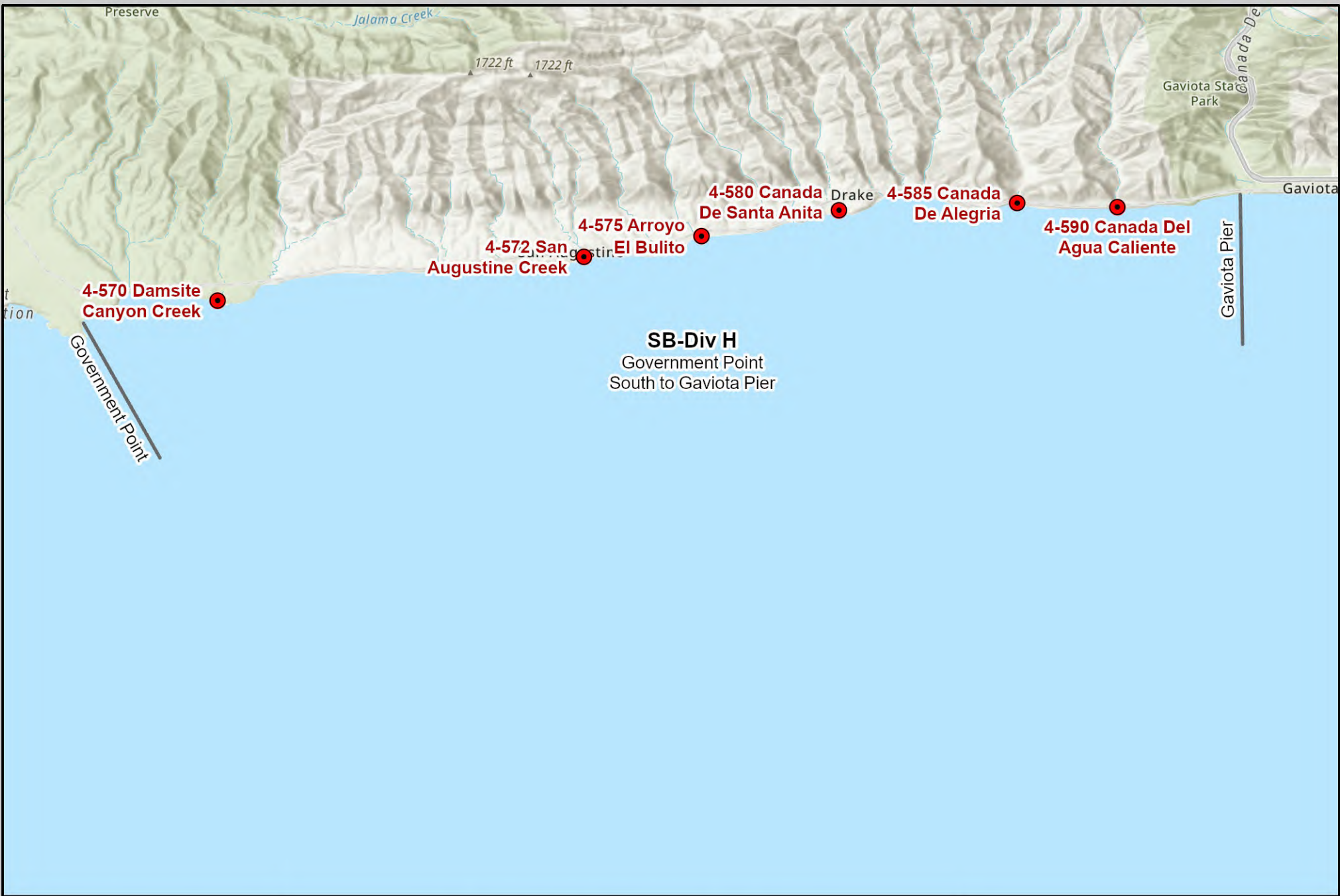
Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response

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 Author: OSPR, CDFW
 Created: 1/22/2024

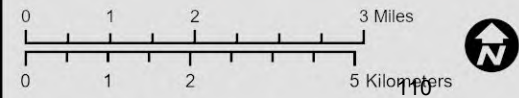
ACP 4/5 Annex C

Santa Barbara (SB) County Operational Division G Environmental Sensitive Sites



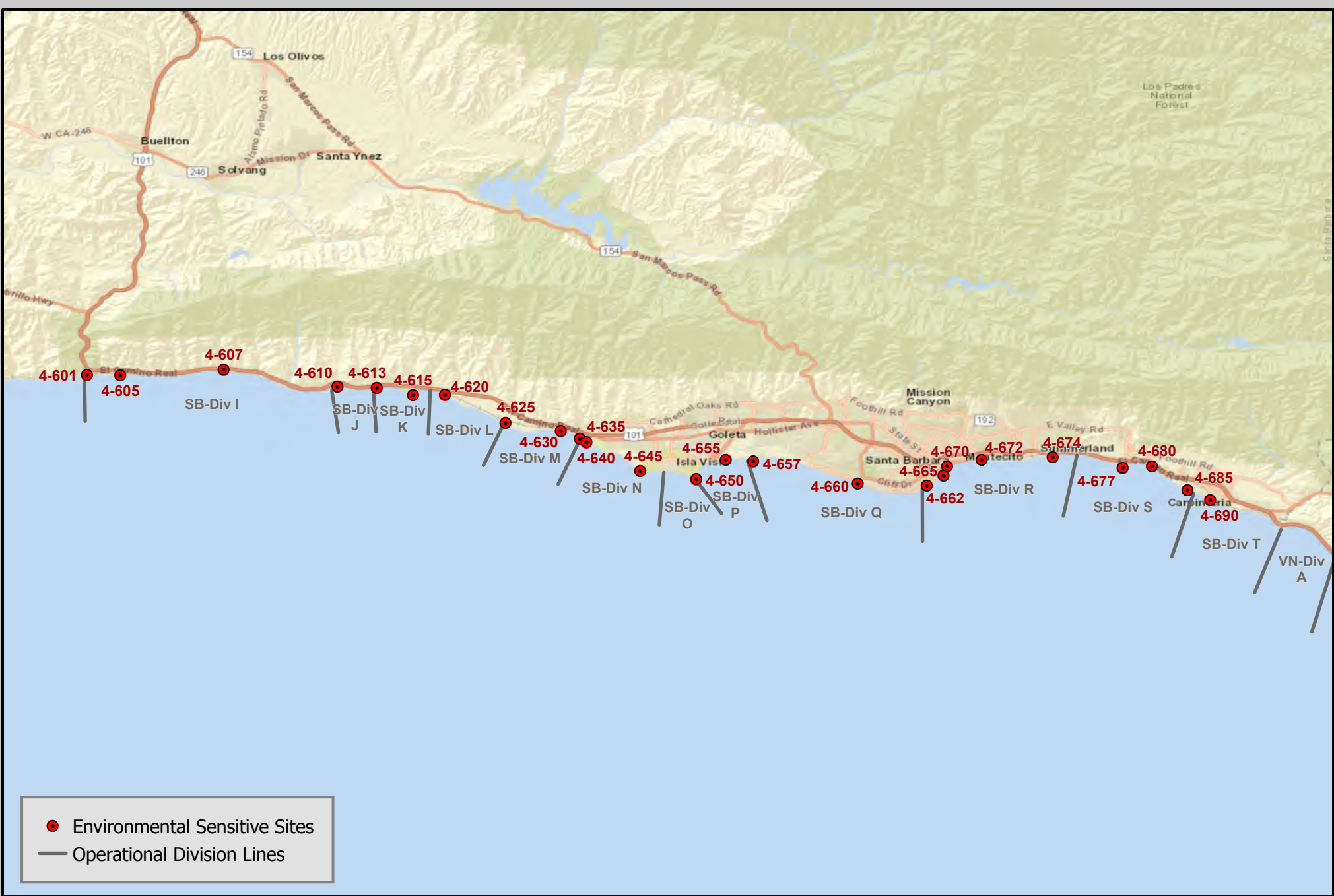


Santa Barbara (SB) County Operational Division H Environmental Sensitive Sites




1013 South/East Santa Barbara County (GRA 6)

South/East Santa Barbara County GRA 6 extends from Gaviota to Rincon Point for approximately 47 miles to the border with Ventura County. There are 25 Environmental Sensitive Sites. Most of the shoreline is a mix of exposed rocky shore, exposed wave-cut platforms in bedrock, fine to medium-grain sand beach, cobble, and boulder beaches. There are several coastal estuaries and wetlands of varying size with Goleta Slough and Carpinteria Marsh being the largest. Most of the shoreline is exposed except for Santa Barbara Harbor.



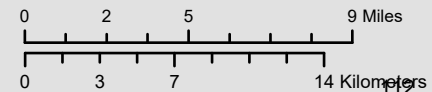
● Environmental Sensitive Sites
 Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created: 7/24/2023 ACP 4/5 Annex C

ACP 4 - GRA 6

Environmental Sensitive Sites

San Luis Obispo County



1013.1 Response Summary Tables

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

Summary of ACP 4 GRA 6 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
4-601	Gaviota Creek			
.1 - Exclude Oil				
	Staff			5
	Boom	Swamp Boom		400 feet
	Vehicle	ATV		1
	Anchor			8
	Boom	Sorbent		400 feet
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Misc.	Trash Bags		
	Staff			5
	Vehicle	ATV		1
4-605	Canada Del Alcatraz & Cementario Creeks			
.1 - Build Sandbag Dam				
	Sandbags			50
	Boom	Sorbent Boom		40 feet
	Staff			5
	Vehicle	ATV		1
.2 - Erect Filter Fence				
	stakes	T-posts		16
	Misc.	Oil Snare (pom-pom)		40
	Stake driver			1
	Vehicle	ATV		1
	Staff			5
	Fence	Construction Fencing	4 x 100 feet	1 Rolls
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Vehicle	ATV		1
	Staff			5
	Misc.	Trash Bags		
4-607	Arroyo Hondo Preserve & Creek			
.1 - Exclude Oil				
	Vehicle	ATV		1
	Anchor			2
	Staff			5
	Boom	Swamp Boom		300 feet
	Boom	Sorbent Boom		300 feet
.2 - Erect Filter Fence				
	Vehicle	ATV		1
	Misc.	Oil Snare (pom-pom)		360
	Fence	Construction Fencing	4 x 100 feet	2 Rolls
	Staff			5
	Stake driver			1
	stakes	T-posts		20
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Misc.	Trash Bags		
	Vehicle	ATV		1
	Staff			5

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-610 Refugio Creek			
.1 - Exclude Oil			
anchors			2
Boom	Swamp Boom		400 feet
Boom	Sorbent Boom		400 feet
Staff			5
Vehicle	ATV		1
.2 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		360
stakes	T-posts	6 feet	20
Misc.	Stake Driver		1
Vehicle	ATV		1
Staff			5
Fence	Construction Fencing	4 x 100 feet	2 Rolls
.3 - Build Sandbag Dam			
Vehicle	ATV		1
stakes			24
Sandbags			200
Boom	Sorbent Boom		240 feet
Staff			5
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
Vehicle	ATV		1
4-613 Corral-Las Flores Creeks			
.1 - Contain Oil			
.2 - Other: See Strategy Box			
.3 - Build Berm			
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Trash bags			
Vehicle	ATV		1
4-615 El Capitan Creek			
.1 - Exclude Oil			
Boom	Swamp Boom		40 feet
Boom	Sorbent Boom		40 feet
Vehicle	ATV		1
Staff			5
Anchor			2
.2 - Build Sandbag Dam			
Sandbags			50
Boom	Sorbent Boom		40 feet
stakes			5
Vehicle	ATV		1
Staff			5
.3 - Erect Filter Fence			
Misc.	Stake Driver		1
Vehicle	ATV		1
Staff			5
stakes	T-posts		16
Fence	Construction Fencing	4 x 100 feet	1 Rolls
Misc.	Oil Snare (pom-pom)		40
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
Vehicle	ATV		1

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-620 Las Llagas (El Capitan Ranch Beach)			
.1 - Exclude Oil			
Staff			5
Boom	Swamp Boom		200 feet
Vehicle	ATV		1
anchors			3
Boom	Sorbent Boom		200 feet
.2 - Build Sandbag Dam			
Vehicle	ATV		1
Boom	Sorbent Boom		200 feet
Sandbags			100
Staff			5
stakes			20
.3 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		40
Staff			5
Vehicle	ATV		1
Fence	Construction Fencing	4 x 100 feet	2 Rolls
stakes	T-posts	6 feet	16
Misc.	T-posts		1
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Vehicle	ATV		1
Misc.	Trash Bags		
Staff			5
4-625 Naples			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Vehicle	ATV		1
Misc.	Trash Bags		
4-630 Eagle Canyon Creek			
.1 - Build Sandbag Dam			
Sandbags			50
Staff			5
Boom	Sorbent Boom		100 feet
.2 - Erect Filter Fence			
stakes	T-posts	6 feet	5
Misc.	Stake Driver		1
Staff			5
Fence	Construction Fencing	1 x 100 feet	1 Rolls
Misc.	Oil Snare (pom-pom)		100
.3 - Exclude Oil			
Anchor			4
Staff			5
Boom	Sorbent Boom		100 feet
Boom	Swamp Boom		100 feet
.4 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
Vehicle	ATV		1

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-635 Tecolote Creek			
.1 - Exclude Oil			
Boom	Swamp Boom		400 feet
Boom	Sorbent Boom		400 feet
Staff			5
Anchor			4
.2 - Build Sandbag Dam			
stakes			24
Sandbags			200
Boom	Sorbent Boom		240 feet
Staff			5
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Vehicle	ATV		1
Misc.	Trash Bags		
4-640 Bell Canyon Creek			
.1 - Exclude Oil			
Anchor			2
Boom	Swamp Boom		400 feet
Boom	Sorbent Boom		400
Staff			5
.2 - Erect Filter Fence			
Fence	Construction Fencing	4 x 100 feet	4 Rolls
Misc.	Oil Snare (pom-pom)		720
stakes	T-posts	6 feet	40
Misc.	Stake Driver		1
Staff			5
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
Vehicle	ATV		1
4-645 Devereux Slough			
.1 - Exclude Oil			
boat	Skiff		1
Boom	Swamp Boom		600 feet
Boom	Sorbent Boom		600 feet
Staff			5
Anchor			6
skimmer			1
4-650 Goleta Point & Campus Lagoon			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Vehicle	ATV		1
Misc.	Trash Bags		
Staff			5

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-655 <i>Goleta Slough & Beach</i>			
.1 - Exclude Oil			
Boom	Sorbent Boom		2000 feet
Vehicle	ATV		1
skimmer			1
boat	Skiff		1
Staff			5
Anchor			6
Boom	Swamp Boom		2000 feet
.2 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		4000
Misc.	Stake Driver		1
Fence	Construction Fencing	4 x 100 feet	20 Rolls
Vehicle	ATV		1
Staff			7
Stakes	T-posts	6 feet	200
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Staff	ATV		5
Vehicle	ATV		1
4-657 <i>More Mesa & Goleta Rocks</i>			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Vehicle	ATV		1
Misc.	Trash Bags		
4-660 <i>Arroyo Burro Creek</i>			
.1 - Exclude Oil			
Staff			5
Anchor			6
Boom	Sorbent Boom		300 feet
Boom	Swamp Boom		300 feet
.2 - Erect Filter Fence			
stakes	T-posts	6 feet	30
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		480
Fence	Construction Fencing	4 x 100 feet	3 Rolls
Staff			5
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Vehicle	ATV		1
Misc.	Trash Bags		
4-662 <i>Leadbetter Beach</i>			
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Vehicle	ATV		1
Staff			5
Misc.	Trash Bags		

Site **Site Name**

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-665 Santa Barbara Harbor			
.1 - Exclude Oil			
Staff			14
Boom	Sorbent Boom		2500 feet
skimmer			1
Vessel	Skiff or Punt		2
Vessel	Boom Boat		2
Anchor	Danforth		2
Boom	Harbor Boom		4000 feet
.2 - Deploy Containment Boom			
Staff			3
Boom	Sorbent Boom		200 feet
Boom	Harbor Boom		200 feet
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Staff			5
4-670 Mission Creek: Laguna Channel			
.1 - Exclude Oil			
Staff			8
Boom	Swamp Boom		1600 feet
Boom	Sorbent Boom		1600 feet
Anchor			8
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Vehicle	ATV		1
Staff			8
Misc.	Trash Bags		
4-672 Sycamore Creek & Andree Clark Bird Refuge			
.1 - Exclude Oil			
Boom	Sorbent Boom		400 feet
Anchor			8
Staff			8
Boom	Swamp Boom		400 feet
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Vehicle	ATV		1
Staff			8
4-674 Fernald Point			
.1 - Build Sandbag Dam			
Staff			8
Sandbags			360
stakes			36
Boom	Sorbent Boom		360 feet
.2 - Erect Filter Fence			
Staff			8
Fence	Construction Fencing	4 x 100 feet	3 Rolls
stakes	T-posts	6 feet	30
Misc.	Stake Driver		1
Misc.	Oil Snare (pom-pom)		900
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Trash bags			
Staff			5

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-677 Loon Point & Toro Canyon Creek			
.1 - Build Sandbag Dam			
Stakes			5
Staff			5
Sanbags			50
Boom	Sorbent Boom		40 feet
.2 - Erect Filter Fence			
Fence	Construction Fencing	4 x 100 feet	1 Rolls
Misc.	Oil Snare (pom-pom)		300
stakes	T-posts	6 feet	10
Staff			5
Misc.	Stake Driver		1
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
4-680 Arroyo Paredon Creek & Sandyland			
.1 - Exclude Oil			
Staff			5
Boom	Swamp Boom		200 feet
Boom	Sorbent Boom		200 feet
Anchor	Danforth		8
.2 - Erect Filter Fence			
Staff			5
Misc.	Oil Snare (pom-pom)		600
Stakes	T-posts	6 feet	20
Misc.	Stake Driver		1
Fence	Construction Fencing	4 x 100 feet	2 Rolls
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			5
Misc.	Trash Bags		
4-685 Carpinteria Marsh			
.1 - Exclude Oil			
Vessel	Skiff or Punt		1
Staff			8
Anchor	Danforth		6
Boom	Swamp Boom		450 feet
Boom	Sorbent Boom		450 feet
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Staff			8
Misc.	Trash Bags		
Vehicle	ATV		1
4-690 Carpinteria Creek & State Beach			
.1 - Exclude Oil			
Staff			5
Boom	Sorbent		500 feet
Boom	Swamp Boom		500 feet
Anchor	Danforth		4
.2 - Erect Filter Fence			
Misc.	Oil Snare (pom-pom)		640
Fence	Construction Fencing	5 x 100 feet	1
Stakes	T-posts	6 feet	30
Misc.	Stake Driver		1
Staff			5

1013.2 GRA 6 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-601-A	Gaviota Creek	4-601-A	Gaviota Creek
4-605-C	Canada Del Alcatraz & Cementario Creeks	4-605-C	Canada Del Alcatraz & Cementario Creeks
4-607-A	Arroyo Hondo Preserve & Creek	4-607-A	Not Available
4-610-A	Refugio Creek	4-610-A	Refugio Creek
4-613-A	Corral-Las Flores Creeks	4-613-A	Corral-Las Flores Creeks
4-615-A	El Capitan Creek	4-615-A	El Capitan Creek
4-620-A	Las Llagas (El Capitan Ranch Beach)	4-620-A	Las Llagas (El Capitan Ranch Beach)
4-625-A	Naples	4-625-A	Naples
4-630-A	Eagle Canyon Creek	4-630-A	Eagle Canyon Creek
4-635-A	Tecolote Creek	4-635-A	Tecolote Creek
4-640-A	Bell Canyon Creek	4-640-A	Bell Canyon Creek
4-645-A	Devereux Slough	4-645-A	Devereux Slough
4-650-C	Goleta Point & Campus Lagoon	4-650-C	Goleta Point & Campus Lagoon
4-655-A	Goleta Slough & Beach	4-655-A	Goleta Slough & Beach
4-657-B	More Mesa & Goleta Rocks	4-657-B	More Mesa & Goleta Rocks
4-660-A	Arroyo Burro Creek	4-660-A	Arroyo Burro Creek
4-662-C	Leadbetter Beach	4-662-C	Leadbetter Beach
4-665-C	Santa Barbara Harbor	4-665-C	Santa Barbara Harbor
4-670-A	Mission Creek: Laguna Channel	4-670-A	Mission Creek: Laguna Channel
4-672-A	Sycamore Creek & Andree Clark Bird Refuge	4-672-A	Sycamore Creek & Andree Clark Bird Refuge
4-674-C	Fernald Point	4-674-C	Fernald Point
4-677-C	Loon Point & Toro Canyon Creek	4-677-C	Loon Point & Toro Canyon Creek
4-680-A	Arroyo Paredon Creek & Sandyland	4-680-A	Arroyo Paredon Creek & Sandyland
4-685-A	Carpinteria Marsh	4-685-A	Carpinteria Marsh
4-690-A	Carpinteria Creek & State Beach	4-690-A	Carpinteria Creek & State Beach

County: San Luis Obispo **ACP Division/Segment:****NOAA Chart:****Map Book:****Decimal Degrees:****Site Description:****Resources at Risk:***ESI and Habitat:* 3A Fine- to medium-grained sand beaches**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1013.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - South/East Santa Barbara County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Gaviota State Park 17620 Gaviota Beach Rd. Gaviota CA Phone: (951) 443-2969</p> <p>Site Description: Beach - fishing pier with boat hoist, camping and day use with fee.</p>	<p>Site Number: 4-6-SB-100-D Operational Division: SB - I</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.4722 -120.2269</p>
<p>Refugio State Beach 10 Refugio Beach Rd. Goleta Ca Phone: (951) 443-2969</p> <p>Site Description: Beach - camping and day use with fee.</p>	<p>Site Number: 4-6-SB-110-D Operational Division: SB - J</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.46274 -120.06959</p>
<p>El Capitan State Beach El Capitan State Beach Rd Goleta Ca Phone: (951) 443-2969</p> <p>Site Description: Beach - camping and day use with fee.</p>	<p>Site Number: 4-6-SB-120-D Operational Division: SB - K</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.46127 -120.01885</p>
<p>The Cultured Abalone 9580 Dos Pueblos Canyon Rd. Goleta CA 93117 Phone: (805) 685-1956</p> <p>Site Description: Mariculture- red abalone growing area Dos Pueblos Ranch, Goleta. Email: info@culturedabalone.com</p>	<p>Site Number: 4-6-SB-130-D Operational Division: SB - M</p>	<p>Aquaculture and Mariculture D Lat/Long: 34.43996 -119.96249</p>
<p>Sunnyside Sea Farms Ellwood Pier Goleta CA 93117 Phone: (805) 964-5844</p> <p>Site Description: Mariculture - macro algae cultivation research and education growing area two parcels by Ellwood pier near Eagle Creek.</p>	<p>Site Number: 4-6-SB-140-D Operational Division: SB - M</p>	<p>Aquaculture and Mariculture D Lat/Long: 34.43074 -119.92345</p>
<p>Santa Barbara Shores Beach Access Hollister Ave. Goleta Ca Phone: (805) 681-5526</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-6-SB-150-D Operational Division: SB - N</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.42086 -119.89661</p>
<p>Isla Vista Beach South of Del Playa Dr. Isla Vista CA Phone: (805) 681-5526</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 4-6-SB-160-D Operational Division: SB - O</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.40853 -119.8548</p>
<p>UCSB Seawater System Intakes two intakes 0.33 miles southeast of Campus Point Phone: (805) 893-8300</p> <p>Site Description: intakes are 55 ft deep, marked by surface buoys</p>	<p>Site Number: 4-6-SB-170-D Operational Division: SB - P</p>	<p>Aquariums and Marine Labs D Lat/Long: 34.401317 -119.83985</p>
<p>Goleta Beach County Park 5986 Sandspit Rd. Goleta Ca 93117 Phone: (805) 686-5059</p> <p>Site Description: Beach - fishing pier and day use.</p>	<p>Site Number: 4-6-SB-180-D Operational Division: SB - P</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41604 -119.83042</p>
<p>Arroyo Burro Beach County Park 2981 Cliff Dr. Santa Barbara Ca 93109 Phone: (805) 686-5059</p> <p>Site Description: Beach - day use and restaurant.</p>	<p>Site Number: 4-6-SB-190-D Operational Division: SB - Q</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.40313 -119.74387</p>

Economic Sites - South/East Santa Barbara County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Santa Barbara Mariculture 939 North Patterson Ave. Santa Barbara CA 93111 Phone: (805) 886-1283</p>	<p>Site Number: 4-6-SB-200-D Operational Division: SB-Q</p>	<p>Aquaculture and Mariculture D Lat/Long: 34.37768 -119.74585</p>
<p>Site Description: Mariculture - Hope Ranch mussels growing area is offshore of Arroyo Burro Creek.</p>		
<p>Leadbetter Beach 801 Shoreline Dr. Santa Barbara Ca 93109 Phone: (805) 564-5418</p>	<p>Site Number: 4-6-SB-210-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.40071 -119.69946</p>
<p>Site Description: Beach - day use, picnic area, restaurant, city beach.</p>		
<p>West Beach Seaward of Cabrillo Blvd. Santa Barbara CA Phone: (805) 564-5418</p>	<p>Site Number: 4-6-SB-220-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41075 -119.69065</p>
<p>Site Description: Beach - day use, recreational city beach.</p>		
<p>Santa Barbara Harbor & Waterfront 132-A Harbor Way Santa Barbara CA 93109 Phone: (805) 564-5530</p>	<p>Site Number: 4-6-SB-230-D Operational Division: SB-R</p>	<p>Public Marinas and Harbors D Lat/Long: 34.40395 -119.69175</p>
<p>Site Description: Harbor- Berthing: 1000, Mooring: 12, marina, launch ramp, fuel dock, boat services, and restaurants.</p>		
<p>Stearns Wharf State St. at Cabrillo Blvd. Santa Barbara CA Phone: (805) 564-5530</p>	<p>Site Number: 4-6-SB-240-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.40888 -119.68492</p>
<p>Site Description: Fishing area, restaurants, shopping, and museums.</p>		
<p>Chase Palm Park 236 E. Cabrillo Ave. Santa Barbara CA 93101 Phone: (805) 564-5418</p>	<p>Site Number: 4-6-SB-250-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41566 -119.68252</p>
<p>Site Description: Recreational arts and crafts show, picnic area, playground.</p>		
<p>Charles E. Meyer Desalination Plant Intake - 1/2 mile off Stearns Wharf Santa Barbara CA Phone: (805) 564-5460</p>	<p>Site Number: 4-6-SB-260-HHS Operational Division: SB-R</p>	<p>Human Health and Safety or Critical Infrastructure Lat/Long: 34.41891 -119.68702</p>
<p>Site Description: Water intake.</p>		
<p>East Beach Butterfly Lane Phone: (805) 564-5418</p>	<p>Site Number: 4-6-SB-270-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41687 -119.66588</p>
<p>Site Description: Beach - day use, beach access.</p>		
<p>Hammonds Beach End of Eucalyptus Ln. Montecito CA Phone: (805) 686-5059</p>	<p>Site Number: 4-6-SB-280-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.415655 -119.637639</p>
<p>Site Description: Beach - day use, recreational.</p>		
<p>Eucalyptus Lane End of Eucalyptus Ln. Montecito CA Phone: (805) 686-5059</p>	<p>Site Number: 4-6-SB-290-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41864 -119.631527</p>
<p>Site Description: Beach access.</p>		

Economic Sites - South/East Santa Barbara County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Miramar Beach End of Eucalyptus Ln. Montecito CA Phone: (805) 686-5059 Site Description: Beach - day use, recreational.</p>	<p>Site Number: 4-6-SB-300-D Operational Division: SB-R</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.419216 -119.6295</p>
<p>Lookout County Park Lookout Park Rd. Summerland CA 93067 Phone: (805) 686-5059 Site Description: Beach - day use, picnic area, volleyball court.</p>	<p>Site Number: 4-6-SB-310-D Operational Division: SB-S</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.42027 -119.60112</p>
<p>Loon Point Access 2731 Padaro Ln. Carpinteria Ca 93013 Phone: (805) 686-5059 Site Description: Beach - day use, beach access.</p>	<p>Site Number: 4-6-SB-320-D Operational Division: SB-S</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.41276 -119.57514</p>
<p>Carpinteria City Beach End of Linden Ave. and Ash Ave. Carpinteria CA 03013 Phone: (805) 684-5405 Site Description: Beach - day use, recreational.</p>	<p>Site Number: 4-6-SB-330-D Operational Division: SB-T</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.39458 -119.52608</p>
<p>Carpinteria State Beach End of Palm Ave. Carpinteria CA Phone: (951) 443-2969 Site Description: Beach - camping, day use with fee, Tomol Interpretive play area.</p>	<p>Site Number: 4-6-SB-340-D Operational Division: SB-T</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.3918 -119.52128</p>
<p>Rincon Beach County Park Bates Rd. and Hwy 101 Carpinteria CA 93105 Phone: (805) 686-5059 Site Description: Beach - day use.</p>	<p>Site Number: 4-6-SB-350-D Operational Division: SB-T</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.37802 -119.48075</p>

1013.4 Shoreline Operational Divisions

Division I Description

This 9.1 mile stretch of coast is characterized by isolated narrow cobble and sand beaches and is backed by high wave washed coastal bluffs. The shoreline is obstructed along much of its length by exposed bedrock outcroppings, rocky promontories that extend well into intertidal areas (east of Gaviota State Park, Cementerio and Alcatraz Creeks, and cliffs at west end of Refugio State Beach). This topography blocks access for equipment and vehicles along much of the coastline. There are only seven access points along this shoreline. The configuration and nature of shorelines in this area change depending upon ocean and weather conditions and sand loss and replenishment.

Division J Description

This 1.6 mile stretch of shoreline includes Refugio State Beach. The western portion of the shoreline is a protected cove accessible from the campground. From the west end of Refugio beach, there is 1 mile of unobstructed fine to medium grain sand beach. The beach is blocked by rocky outcroppings at the east end of the division. Beginning immediately east of the campground, the shoreline is backed by coastal cliffs and is inaccessible except by longshore travel. There is a paved bike path along the top of the coastal bluffs which extends 2.6 miles, from Refugio to El Capitan Beach. The bike path is damaged and through vehicular traffic between Refugio and El Capitan is not possible.

Division K Description

This 2.4 mile stretch of shoreline includes El Capitan State Beach. The western portion of the shoreline, from the end of Refugio State Beach, is 1 mile of unobstructed fine to medium grain sand beach. The shoreline through access is blocked by rocky outcroppings at the east end of the division. There is a paved bike path along the top of the coastal bluffs which extends 2.6 miles, from Refugio to El Capitan Beach. The bike path is damaged and through vehicular traffic between Refugio and El Capitan is not possible.

Division L Description

This 3.2 mile stretch of shoreline is characterized by narrow fine to medium grained sand beaches backed by steep cliffs. The western boundary of this division is a large rock on the beach located 0.6 mile west of El Capitan Ranch at Las Llagas Creek. The eastern boundary of the division is the bluffs just west of Dos Pueblos Creek. Vehicular traffic along the Division L shoreline is possible only during low tides due to intermittent narrowing of the beach.

Division M Description

This 2.9 mile stretch of shoreline is characterized by narrow to moderately wide fine to medium grained sand beaches backed by steep cliffs. Access Points are few and on private property. Access to Eagle Canyon Creek is located on the road to Haskell's pier. Vehicular

traffic along the Division M shoreline is possible but only during lower low tides due to intermittent narrowing of the beach, exposed rocks, cobbles, or beach profile. Obstructions and narrow beaches occur immediately east of Dos Pueblos Creek, west of Eagle Creek and west of the pier. Most roadways are dirt. Ellwood pier and the Bacara Resort are in the SE section of this division. There is a public access point to Haskell's Beach at Tecolote Creek just east of the Bacara Resort.

Division N Description

This 3.6 mile stretch of shoreline is characterized by fine to medium grained sand beaches backed by steep cliffs. Vehicular traffic along the division N shoreline is possible during most tides. There are two vehicular beach accesses, from north to south at Tecolote Creek immediately SE of Bacara Resort, Bell Creek through the decommissioned Ellwood Onshore Facility, two-foot paths - one from Santa Barbara Shores Park and one from Sands Beach just east of Devereux Slough. The two intertidal oil facilities on piers below Sand Piper Golf Course have been removed. There is an area of upper beach, about 1200 ft long within the Coal Oil Point Ecological Reserve which is closed along Devereux Slough to protect nesting western snowy plovers. Obtain instructions and guidance from the reserve manager.

Division O Description

This 1.2 mile stretch of shoreline from western Isla Vista to Goleta Point is characterized by fine to medium grained sand beaches backed by steep cliffs. The beaches are narrow in the westernmost about 300 yards of the Division and are accessible to vehicular traffic only at lower tides. Beaches are relatively wide and accessible to vehicular traffic along the eastern shoreline of Isla Vista and continue to widen toward Goleta Point. The best vehicle access for this Division is from the west arm of the UCSB Campus Lagoon where there are no cliffs. There are four sets of stairs in Isla Vista within this Division. Parking is difficult in Isla Vista. Authorization to park on campus or to operate on the shorelines within this area must be obtained from the UCSB campus police. Under low tidal and high sand conditions vehicular traffic is possible around Goleta Point into Division P.

Division P Description

This 2.3 mile stretch of shoreline from Goleta Point to the tar seep on the shoreline is characterized by fine to medium grained sand beaches backed by steep cliffs. There is a 0.9-mile-long stretch of uninterrupted sandy shoreline from Goleta Point to a rocky prominence which extends out into the water at the west end of the County Park. There is one stairway down to the beach in this segment. Goleta Beach County Park is in this division. There is good parking, staging areas, and access points to the beach along the county park. Vehicular access from the west end of Goleta Beach County Park to the large tar seep can be continuous if the mouth of the Goleta Slough is closed.

Division Q Description

This 6.75 mile stretch of shoreline from the large beach tar seep on the Goleta shoreline along Hope Ranch and Mesa shorelines to Santa Barbara Point, just west of Leadbetter Beach, is characterized by fine to medium grained sand beaches backed by steep cliffs. The westmost 0.45 mile section of Division Q has four larger and several smaller tar seeps along this section of shoreline which may obstruct vehicular traffic. Sand is underlain in many places by cobbles and low bedrock outcroppings which may obstruct vehicle access when sand levels are low. Vehicles can access this shoreline through Hope Ranch and at Arroyo Burro Beach.

Division R Description

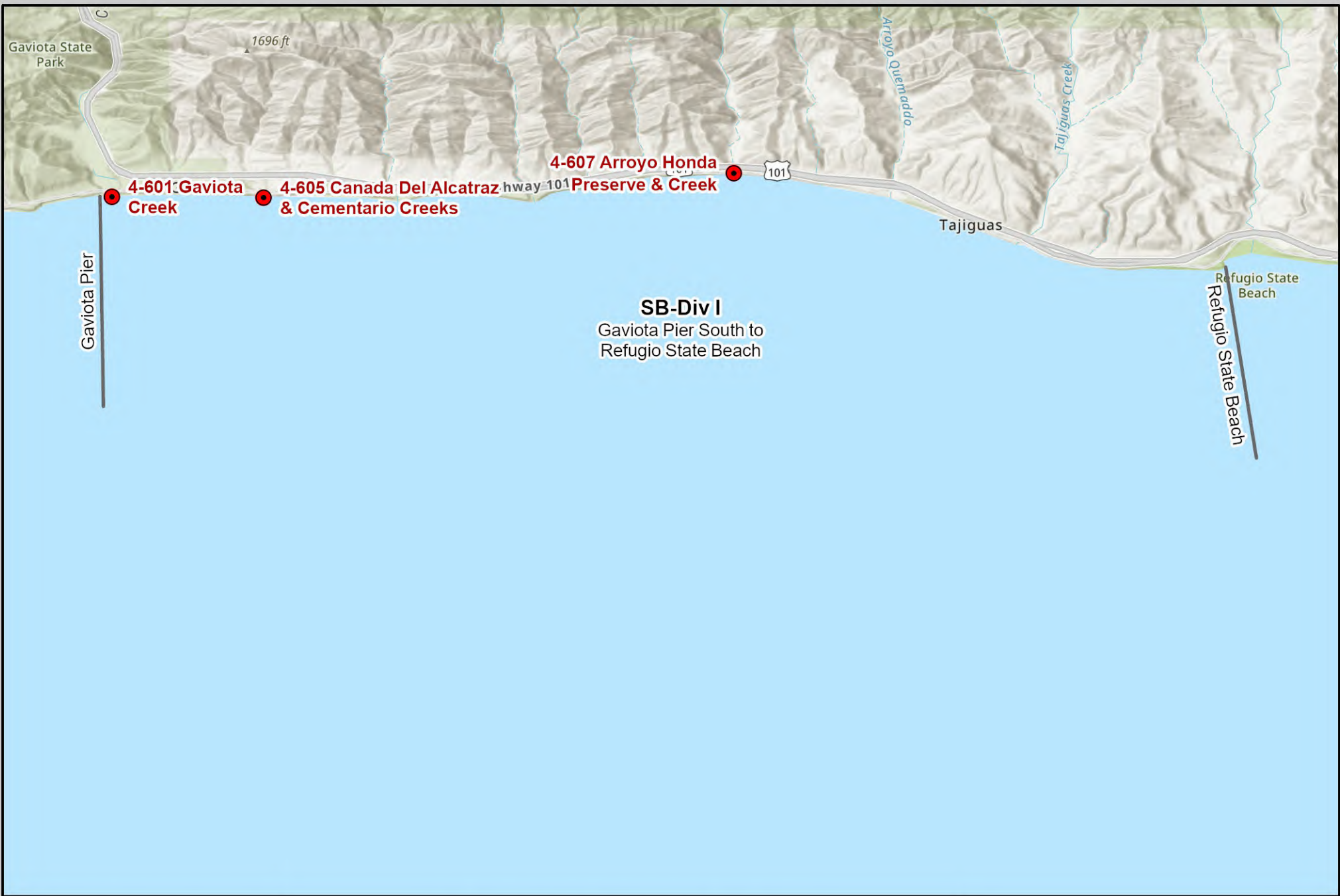
This 6.2 mile stretch of shoreline extends from Santa Barbara Point to the Brown House on the beach west of Lookout Park in Summerland. The western 1/2 of the division is characterized by fine to medium grained sand beaches along a 3.0 mile stretch of high use shoreline from Santa Barbara Point to the Andree Clark Bird Refuge. This area is overseen by the City of Santa Barbara and includes the Harbor, Stearns Wharf, Hotel Row on Cabrillo Blvd and heavily used local beaches and parking areas where shoreline access for personnel and equipment is excellent. In large spill situations traffic and public use will have to be controlled. East of Andree Clark Bird Refuge the beaches become narrower and subject to wave wash. Although the beach is useable for vehicular traffic, access to and along the shoreline for vehicular traffic is more difficult because of steep cliffs, lack of roads and ramps, and extensive stretches of private property predominated by single family dwellings. During higher tides and/or low sand conditions, vehicular traffic along the beach may be impeded by cobbles and bedrock particularly around Fernald Point. Between Fernald Point and the end of Division R, the beach narrows and through passage for vehicular traffic to Summerland Beach is generally impeded by wave-wash.

Division S Description

This 4.7 mile stretch of shoreline extends from the Brown House on the beach, west of Lookout Park in Summerland, east to the seaward end of Sandyland Cove Road just west of Carpinteria. The western 1.7 miles of the division, from just west of the brown house to Loon Point, is characterized by fine to medium grained sand beaches backed by cliffs. There are two paved vehicular accesses in this segment and one foot pathway at Padaro Lane. From Loon Point to Beach Club Drive in the Serena area, the beach narrows under low sand conditions and may be covered by cobbles. During moderate tides, this shoreline becomes wave washed. The remainder of the division from west Serena to the foot of Sandyland Cove Road is generally a wide fine to medium grain sand beach. The beach in this 2 mile segment narrows in two locations and is likely to be impassible at high tide at the SE end of Santa Claus Lane and at the mouth of Carpinteria Salt Marsh.

Division T Description

This 3.6 mile stretch of shoreline is characterized by wide fine to medium grained sand beaches along the westernmost 1.5 mile segment from just west of Ash Street to just west of Dump Road in Carpinteria. From Dump Road and Casitas Pier, there is a 1.6 mile segment of narrow, often obstructed sandy shoreline. The beach widens for 0.4 mile near Rincon Beach Park to Rincon Creek mouth. There is a paved access road from Rincon Beach Park to the beach. The shoreline narrows around the Southern and Eastern exposures of Rincon Point and becomes wave-washed at most tides.

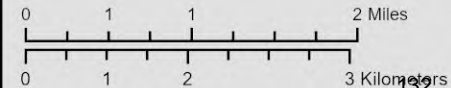


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR, CDFW
Author: OSPR, CDFW
Created: 1/22/2024

ACP 4/5 Annex C

Santa Barbara (SB) County Operational Division I Environmental Sensitive Sites

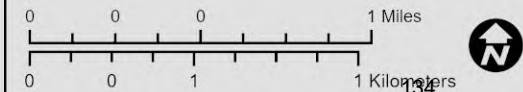




Santa Barbara (SB) County Operational Division J Environmental Sensitive Sites

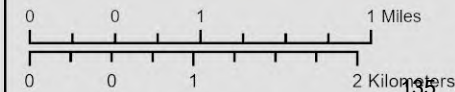


Santa Barbara (SB) County
Operational Division K
Environmental Sensitive Sites

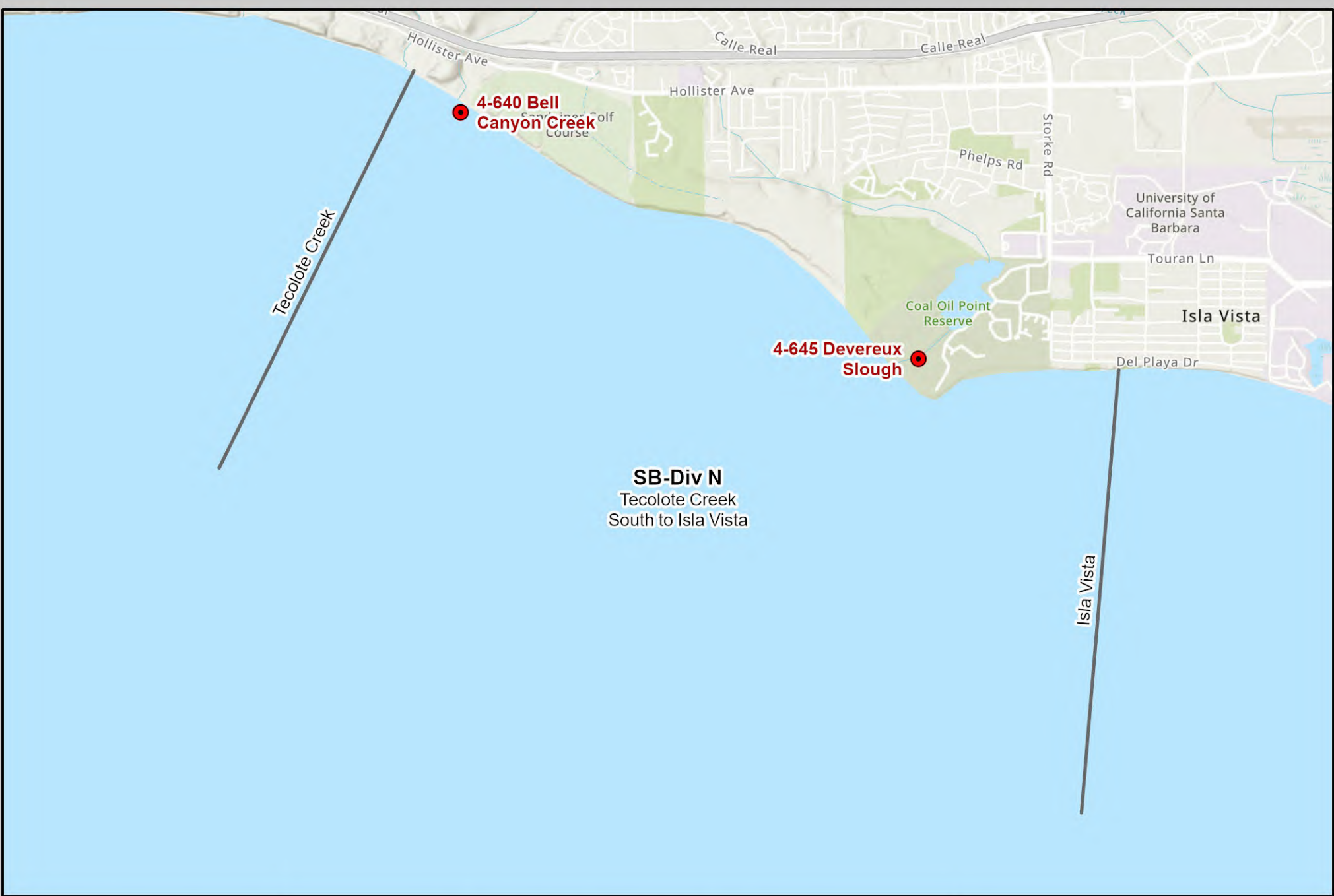




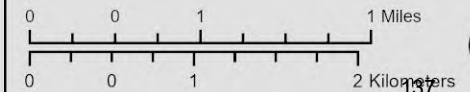
Santa Barbara (SB) County
Operational Division L
Environmental Sensitive Sites

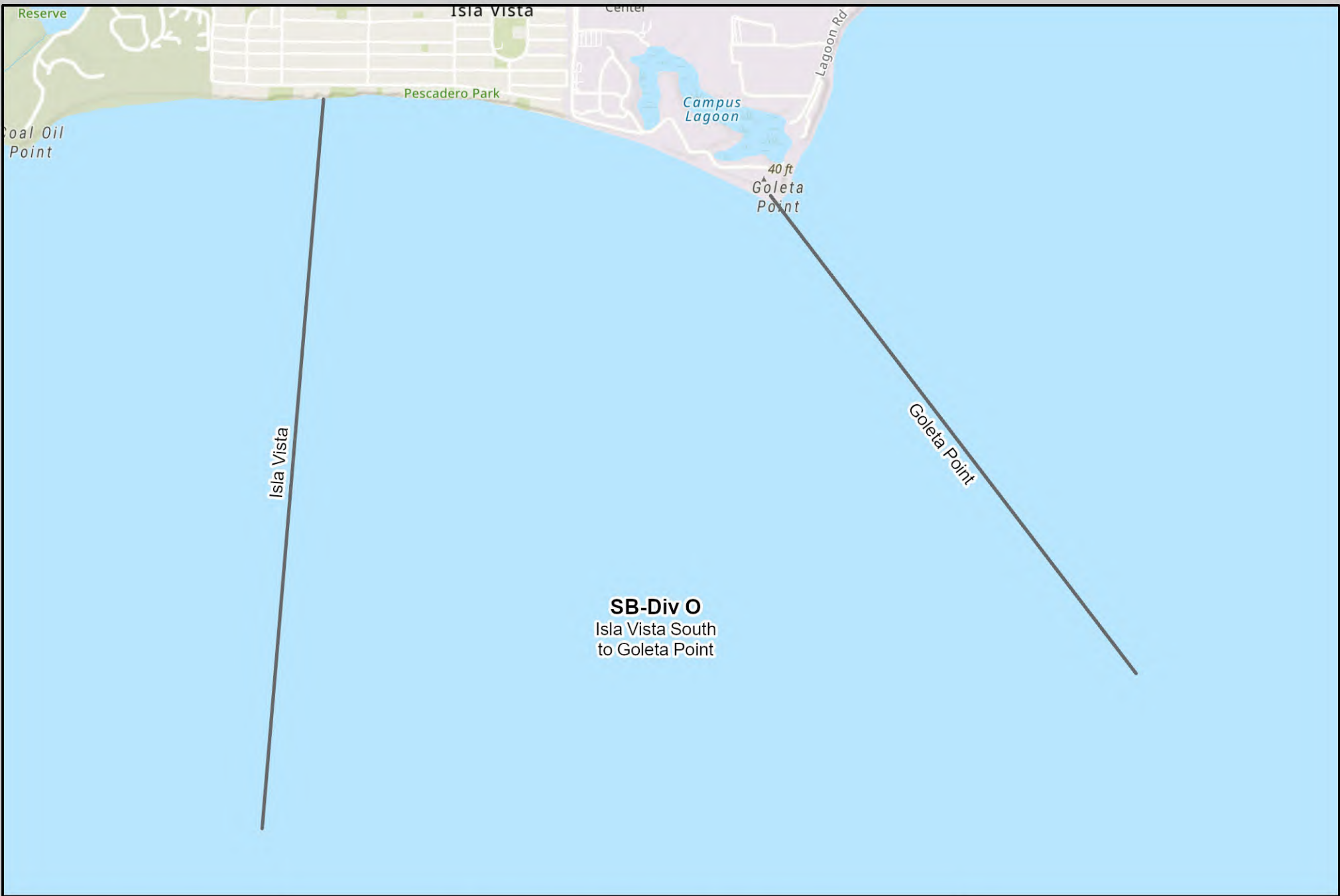




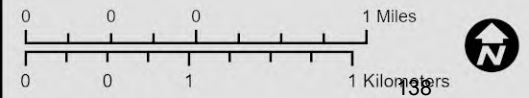


Santa Barbara (SB) County
Operational Division N
Environmental Sensitive Sites



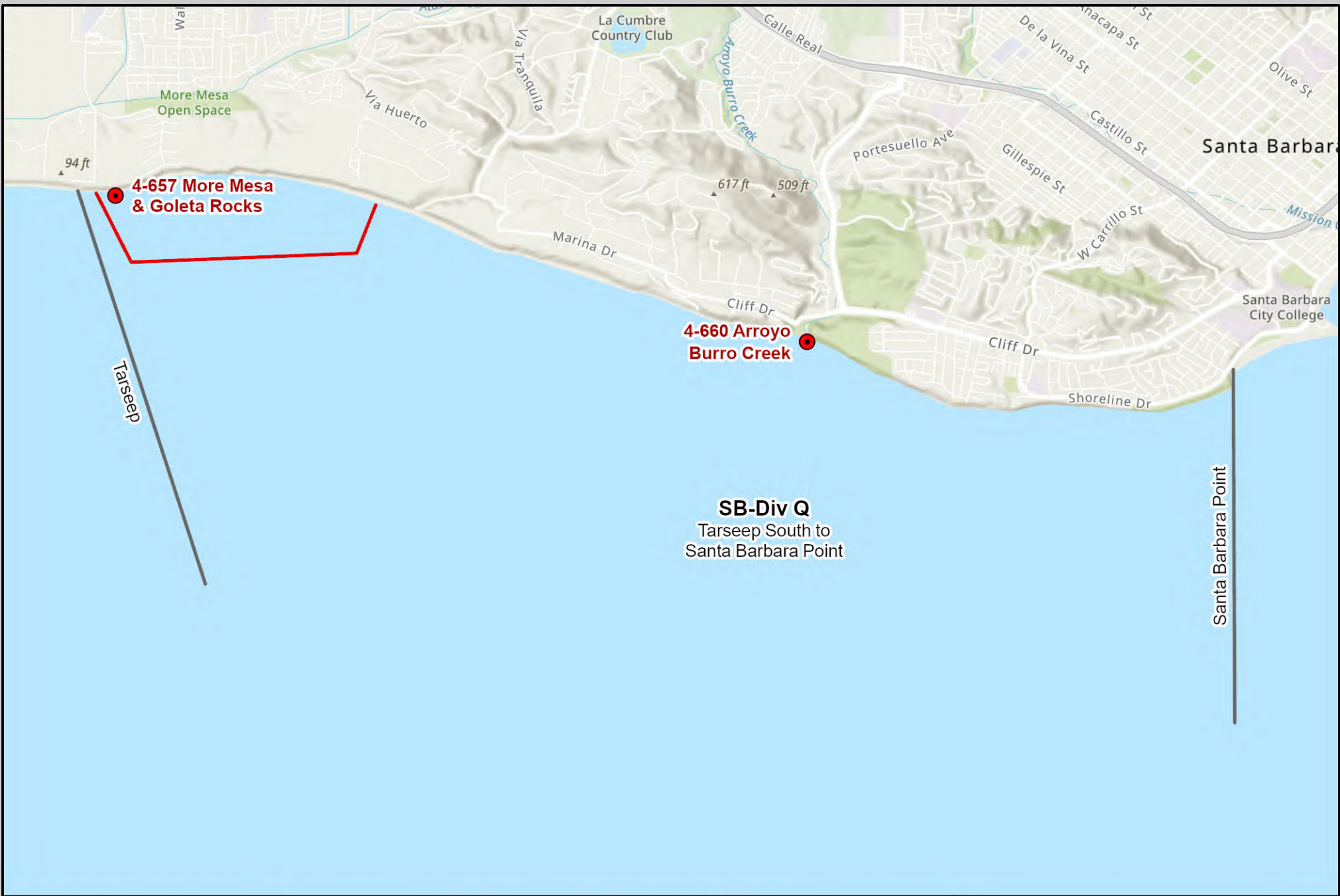


Santa Barbara (SB) County
Operational Division O
Environmental Sensitive Sites

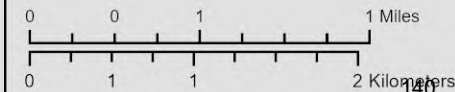


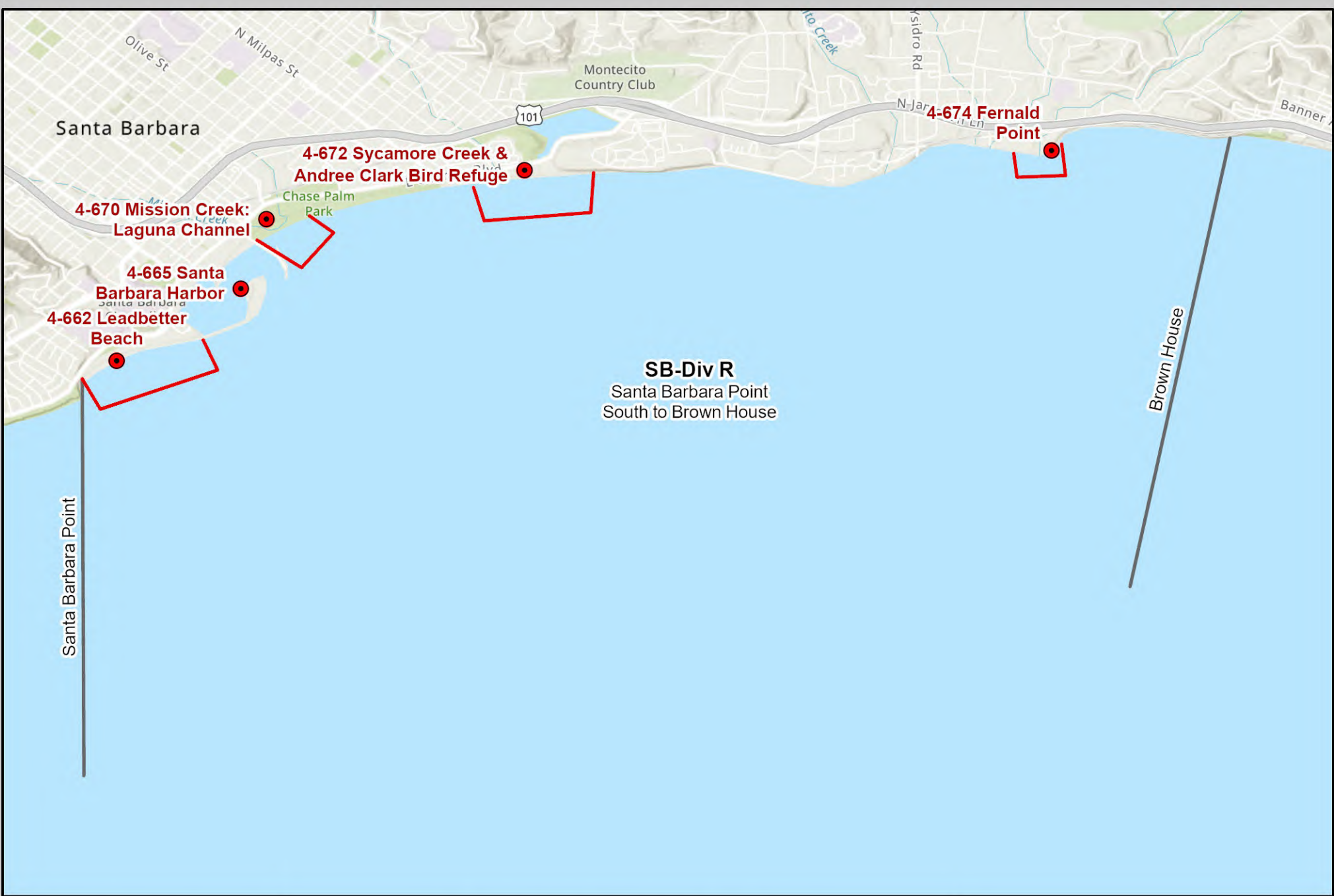


Santa Barbara (SB) County Operational Division P Environmental Sensitive Sites

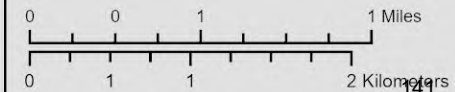


Santa Barbara (SB) County Operational Division Q Environmental Sensitive Sites



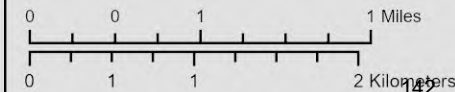


Santa Barbara (SB) County Operational Division R Environmental Sensitive Sites





Santa Barbara (SB) County Operational Division S Environmental Sensitive Sites





SB-Div T
 Sandyland Cove Road
 South to Rincon Creek

**4-690 Carpinteria
 Creek & State Beach**

Sandyland Cove Road

Rincon Creek

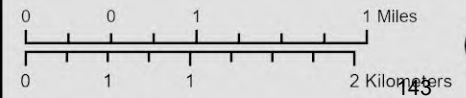


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response

Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created: 1/23/2024

ACP 4/5 Annex C

**Santa Barbara (SB) County
 Operational Division T
 Environmental Sensitive Sites**



1014 Ventura County (GRA 7)

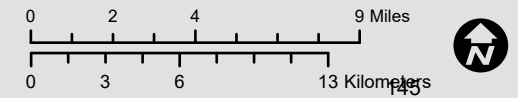
Ventura County GRA 7 begins at the border with Santa Barbara County and extends southeast approximately 40 miles to the border with Los Angeles County. There are thirteen Environmental Sensitive Sites. Most of the shoreline is fine to medium grain sandy beach and rip rap. There are several coastal estuaries and wetlands of varying sizes, with the largest being Mugu Lagoon. Most of the shoreline is exposed except for two large private boat harbors and a commercial/Navy port.



ACP 4 - GRA 7

Environmental Sensitive Sites

Ventura County



1014.1 Response Summary Tables

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

Summary of ACP 4 GRA 7 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
4-701 Rincon Creek & Point			
.1 - Exclude Oil			
Boom	Swamp Boom		200 feet
Anchor			8
Boom	Sorbent Boom		200 feet
Vehicle	ATV		1
Staff			4
.2 - Erect Filter Fence			
Staff			4
Vehicle	ATV		1
Fence	Construction Fencing	4 x 100 feet	2 Rolls
Misc.	Stake Driver		1
Stakes	T-posts	6 feet	20
Misc.	Oil Snare (pom-pom)		600
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Vehicle	ATV		1
Staff			5
4-740 Ventura River			
.1 - Exclude Oil			
Staff			7
Vehicle	ATV		1
Vessel	Boom Boat or Skiff		1
Anchor			8
Boom	Swamp		1000 feet
Boom	Sorbent Boom		1000 feet
.2 - Erect Filter Fence			
Stakes	T-posts	6 feet	100
Fence	Construction Fencing	4 x 100 feet	10 Rolls
Misc.	Oil Snare (pom-pom)		3000
Vehicle	ATV		1
Staff			7
Misc.	Stake Driver		
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Vehicle	ATV		1
Misc.	Trash Bags		
Staff			5
4-743 San Buena Ventura State Beach			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-747 Ventura Harbor			
.1 - Exclude Oil			
Staff			10
Anchor	Danforth		8
Vessel	Skiff or Punt		1
Vessel	Boom Boat		2
Boom	Harbor Boom		2000 feet
.2 - Contain Oil			
Vessel	Skiff		1
Staff			2
Boom	Sorbent Boom		200 feet
Boom	Harbor Boom		200 feet
.3 - Shoreline Pre-Clean: Resource Specialist Supervision Required			
Misc.	Trash Bags		
Staff			5
Vessel	Skiff or Punt		1

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
4-750 Santa Clara River Estuary			
.1 - Exclude Oil			
Anchor	Danforth		8
Vessel	Skiff		1
Boom	Swamp Boom		3000 feet
Boom	Sorbent Boom		1000 feet
Vehicle	ATV		1
Staff			10
4-761 McGrath State Beach & McGrath Lake			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-765 Mandalay State Beach			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-769 Hollywood Beach			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
4-775 Channel Islands Harbor (CIH)			
.1 - Exclude Oil			
Vessel	Skiff or Punt		1
Vessel	Boom Boat		1
Boom	Harbor Boom		1200 feet
Anchor	Danforth		6
.2 - Contain Oil			
Boom	Sorbent Boom		200 feet
Staff			2
Boom	Harbor Boom		200 feet
4-780 Port of Hueneme (POH)			
.1 - Exclude Oil			
Boom	Harbor Boom		1200 feet
Anchor	Danforth		8
Vessel	Skiff or Punt		1
Vessel	Boom Boat		1
.2 - Contain Oil			
Boom	Harbor Boom		1000
Boom	Sorbent Boom		1000
Staff			5
4-783 Ormond Beach & Wetlands			
.1 - Build Berm			
Anchor	Danforth		6
Piping	6"		6
Heavy Equip	Front Loader		1
Boom	Swamp Boom		1500 feet
Staff			10
Boom	Sorbent Boom		1000 feet
Plastic sheeting	visqueen		1 Rolls
.2 - Exclude Oil			
Boom	Swamp Boom		1500 feet
Staff			10
Boom	Sorbent Boom		1000 feet
Anchor	Danforth		6
4-787 Laguna Point			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			

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

	Equipment	Sub-Type	Size/Unit	QTY/Unit
4-790	Mugu Lagoon			
.1 - Exclude Oil				
	Vessel	Boom Boat		2
	Boom	Swamp Boom		2500 feet
	Boom	Sorbent Boom		2500 feet
	Anchor	Screw-in		10
	Anchor	Fortress		30
	Vessel	Skiff or Punt		2
	Staff			10
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
	Trash bags			

1014.2 GRA 7 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-701-A	Rincon Creek & Point	4-701-A	Rincon Creek & Point
4-740-A	Ventura River	4-740-A	Ventura River
4-743-A	San Buena Ventura State Beach	4-743-A	San Buena Ventura State Beach
4-747-A	Ventura Harbor	4-747-C	Ventura Harbor
4-750-A	Santa Clara River Estuary	4-750-A	Santa Clara River Estuary
4-761-A	McGrath State Beach & McGrath Lake	4-761-A	McGrath State Beach & McGrath Lake
4-765-A	Mandalay State Beach	4-765-A	Mandalay State Beach
4-769-A	Hollywood Beach	4-769-A	Hollywood Beach
4-775-C	Channel Islands Harbor (CIH)	4-775-C	Channel Islands Harbor (CIH)
4-780-C	Port of Hueneme (POH)	4-780-C	Port of Hueneme (POH)
4-783-A	Ormond Beach & Wetlands	4-783-A	Ormond Beach & Wetlands
4-787-A	Laguna Point	4-787-A	Laguna Point
4-790-A	Mugu Lagoon	4-790-A	Mugu Lagoon

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1014.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - Ventura County

Site Information	Site Number & Location	Lat/Long & Priority
Hobson County Park Phone: (805) 947-8210 Site Description: Beach - camping and day use with fee.	Site Number: 4-7-VN-100-D Operational Division: VN - B	Parks, Beaches, Recreational Areas D Lat/Long: 34.33803 -119.41057
Rincon Parkway North Between Hobson and Faria County Parks Phone: (805) 947-8210 Site Description: Beach - day use.	Site Number: 4-7-VN-110-D Operational Division: VN - B	Parks, Beaches, Recreational Areas D Lat/Long: 34.33068 -119.39931
Faria County Park Off old PCH at Pitas Point Phone: (805) 947-8210 Site Description: Beach - camping and day use with fee.	Site Number: 4-7-VN-120-D Operational Division: VN - B	Parks, Beaches, Recreational Areas D Lat/Long: 34.32057 -119.39129
Emma Wood State Beach South end of old PCH Phone: (805) 585-1850 Site Description: Beach - camping and day use with fee.	Site Number: 4-7-VN-130-D Operational Division: VN - C	Parks, Beaches, Recreational Areas D Lat/Long: 34.28525 -119.32457
San Buena Ventura State Beach From the Ventura Pier South to Marina Park Ventura CA Phone: (805) 585-1850 Site Description: Beach - camping and day use with fee.	Site Number: 4-7-VN-140-D Operational Division: VN - D	Parks, Beaches, Recreational Areas D Lat/Long: 34.26751 -119.27774
Ventura Harbor W. of Harbor Blvd. at Anchor's Way Dr. Ventura CA 93001 Phone: (805) 642-8618 Site Description: Harbor with two marinas, fuel dock, boat storage and repair, and bait shop.	Site Number: 4-7-VN-150-D Operational Division: VN - D	Public Marinas and Harbors D Lat/Long: 34.24775 -119.26856
Ventura Harbor Village 1559 Spinnaker Dr. Ventura CA 93001 Phone: (805) 644-0169 Site Description: Berthing: 165, Mooring: 1	Site Number: 4-7-VN-160-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.24723 -119.26512
Ventura West Marina 1198 Navigator Dr. Ventura CA 93001 Phone: (805) 644-8266 Site Description: Berthing: 544	Site Number: 4-7-VN-170-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.24761 -119.25768
Channel Islands National Park HQ 1901 Spinnaker Dr. Ventura CA 93001 Phone: (805) 658-5730 Site Description: Water intake for aquarium, exhibits, and gift shop.	Site Number: 4-7-VN-180-D Operational Division: VN - E	Aquariums and Marine Labs D Lat/Long: 34.24574 -119.26527
Ventura Yacht Club 1755 Spinnaker Dr. Ventura CA 93001 Phone: (805) 642-0426 Site Description: Berthing: 91	Site Number: 4-7-VN-190-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.24441 -119.9264

Economic Sites - Ventura County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Safe Harbor Ventura Isle Marina 1363 Spinnaker Dr. Ventura CA 93001 Phone: (805) 644-5858 Site Description: Berthing: 703</p>	<p>Site Number: 4-7-VN-200-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.24055 -119.26034</p>
<p>Andria's Seafood 1449 Spinnaker Dr. Ventura CA 93001 Phone: (805) 654-0546 Site Description: Intake for live seafood</p>	<p>Site Number: 4-7-VN-210-D Operational Division: VN - E</p>	<p>Aquaculture and Mariculture D Lat/Long: 34.24054 -119.2634</p>
<p>McGrath State Beach 1.2 miles S. of Spinnaker Dr. Ventura CA Phone: (805) 585-1850 Site Description: Beach - camping and day use with fee.</p>	<p>Site Number: 4-7-VN-220-D Operational Division: VN - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.2263 -119.2613</p>
<p>Mandalay State Beach W. of Harbor Blvd. Oxnard CA Phone: (805) 585-1850 Site Description: Beach - day use.</p>	<p>Site Number: 4-7-VN-230-D Operational Division: VN - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.1827 -119.23941</p>
<p>Pacific Corinthian Marina 2610 S. Harbor Blvd. Oxnard CA 93035 Phone: (805) 984-2847 Site Description: Berthing: 155</p>	<p>Site Number: 4-7-VN-240-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.17456 -119.23163</p>
<p>Anacapa Isle Marina 3001 Peninsula Rd. Oxnard CA 93035 Phone: (805) 985-6035 Site Description: Berthing: 485</p>	<p>Site Number: 4-7-VN-250-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.17425 -119.224</p>
<p>Peninsula Yacht Marina 3700 Peninsula Rd. Oxnard CA 93035 Phone: (805) 985-6400 Site Description: Berthing: 270</p>	<p>Site Number: 4-7-VN-260-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.17007 -119.22505</p>
<p>Channel Islands Landing 3821 Victoria Ave. Oxnard CA 93035 Phone: (805) 985-6059 Site Description: Berthing: 58</p>	<p>Site Number: 4-7-VN-270-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.16512 -119.22118</p>
<p>Channel Islands Harbor Admin. & Patrol 3900 Pelican Way Oxnard CA 93035 Phone: (805) 973-5950 Site Description: Commercial fishing marina and rental skiffs.</p>	<p>Site Number: 4-7-VN-280-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.163 -119.22125</p>
<p>Vintage Marina 3150 Harbor Blvd. Oxnard CA 93035 Phone: (805) 984-3366 Site Description: Berthing: 250</p>	<p>Site Number: 4-7-VN-290-D Operational Division: VN - E</p>	<p>Public Marinas and Harbors D Lat/Long: 34.16215 -119.22473</p>

Economic Sites - Ventura County

Site Information	Site Number & Location	Lat/Long & Priority
Channel Island Marina 3850 S. Harbor Blvd. Oxnard CA 93035 Phone: (805) 984-7780 Site Description: Berthing: 525	Site Number: 4-7-VN-300-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.16141 -119.22468
Bahia Cabrillo Yacht Landing 4200 S. Harbor Blvd. Oxnard CA 93035 Phone: (805) 985-6400 Site Description: Berthing: 80	Site Number: 4-7-VN-310-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.16118 -119.22403
C.I. Sportfishing 4151 S. Victoria Ave. Oxnard CA 93035 Phone: (805) 985-8511 Site Description: Berthing: 28, Mooring: 15	Site Number: 4-7-VN-320-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.16144 -119.22115
Channel Islands Launch Ramp 3001 Victoria Ave. Oxnard CA 93035 Phone: (805) 973-5950 Site Description: Boat ramps, fuels docks, berths, park area, picnic sites, and pedestrian walkway.	Site Number: 4-7-VN-330-D Operational Division: VN - E	Public Marinas and Harbors D Lat/Long: 34.16497 -119.2225
Port Hueneme Beach Park Along W. end of Surfside and Ocean View Drs. Phone: (805) 986-6500 Site Description: Beach - day use and public pier.	Site Number: 4-7-VN-340-D Operational Division: VN - G	Parks, Beaches, Recreational Areas D Lat/Long: 34.14252 -119.19436
Thornehill Broome W. of Hwy 1, 1.5 mi N. of Sycamore Cove Malibu CA 90265 Phone: (310) 457-8144 Site Description: Beach - camping and day use with fee.	Site Number: 4-7-VN-350-D Operational Division: VN - I	Parks, Beaches, Recreational Areas D Lat/Long: 34.08291 -119.03488
Sycamore Cove Beach 9000 Pacific Coast Hwy Malibu CA 90265 Phone: (310) 457-8144 Site Description: Beach - day use with fee, headquarters for Pt. Mugu State Park..	Site Number: 4-7-VN-360-D Operational Division: VN - I	Parks, Beaches, Recreational Areas D Lat/Long: 34.07064 -119.01369
Staircase Beach 4000 Pacific Coast Hwy CA 90265 Phone: (310) 457-8144 Site Description: Beach - day use with fee.	Site Number: 4-7-VN-370-D Operational Division: VN - I	Parks, Beaches, Recreational Areas D Lat/Long: 34.04626 -118.94622

1014.4 Shoreline Operational Divisions

Division A Description

This ~2.6 mile long stretch of shoreline is entirely backed by protective boulder riprap. The northern division boundary effectively extends from the intersection of NE Rincon Point with Hwy 101. The northwest 0.5 to 0.75 mile of this division is boulder riprap with no beach except at the lowest low tides. Along all but the southern 0.2 mile (Mussel Shoals), response equipment requires parking along Hwy 101. Partial or full highway closure may be required for responder safety. The shoreline is a wide to moderately wide sandy beach capable of supporting vehicular traffic for the southernmost 1.4 miles of this Division. Access to the shoreline for vehicles in this segment is difficult because there are no access ramps to the beach. Temporary ramps could, however, be constructed should the need arise.

Division B Description

This ~4.2 mile long division begins on the south side of Rincon Pier at Mussel Shoals and extends to the south end of Faria County Park Beach at Pitas Point. Virtually the entire shoreline of this division is backed by boulder riprap. There are two gated communities within this Division at Seacliff, and Faria Beach. There are ungated communities at Mussel Shoals and Faria. All communities obstruct shoreline access. There are two off-highway parks operated by Ventura County - Hobson and Faria. Ventura County Parks also allows roadside camping for RVs along a 1.6 mile stretch of the PCH from Hobson to Faria County Park.

Division C Description

This ~6 mile long division begins at the south end of Faria County Park Beach at Pitas Point and ends on the east bank of the Ventura River at the western side of the Ventura County Fairgrounds. Except for the mouth of the Ventura River (Group Campground and Seaside Wilderness Park ~ 1.2 miles), the entire shoreline of this division is backed by boulder riprap. Emma Woods State Beach, an off-highway camping area found near the southern end of the Division, covers a length of 1.2 miles of shoreline and is accessible from the PCH. The Seaside Wilderness Park and Group Campground, owned by State Parks, the City of Ventura, and private entities is located within the floodplain of the Ventura River just north of the river mouth.

Division D Description

This ~3.3 mile long division is under several different ownerships and includes San Buena Ventura State Beach and Ventura Harbor. Most of this division is fine-grained sand, which is accessible for vehicular traffic during the dry season. The western section near Ventura River is composed of cobble/boulder substrate. The southern section of this division which includes Ventura Harbor is composed of sheltered, solid manmade structures and sheltered riprap. San Buena Ventura State Beach provides wintering and nesting habitat for Western snowy plovers. This state beach also supports a small dune system with native plants that could easily be disturbed by foot traffic. Area should not be accessed without expressed permission from

authorized trustee biologist. This division also includes ~ 1 mile of beachfront residences from San Pedro Street in Ventura south to the entrance of Ventura Harbor.

Division E Description

This ~ 6.6 mile long division begins at the south jetty of Ventura Harbor and extends SSE to and including the north jetty of Channel Islands Harbor. This Division is under several different ownerships and includes Spinnaker Drive, along Ventura Harbor; the mouth and estuary of the Santa Clara River; McGrath State Beach and Lake and the decommissioned Mandalay Power Plant. This division also includes 2.9 miles of beachfront residences from W 5th Street in Oxnard to the entrance to Channel Islands Harbor. A fine-grained sand beach covers 100% of this Division, all of which is accessible for vehicular traffic during the dry season of the year. When the Santa Clara River (SCR) flows are high and the natural sand berm is open, the southern portions of the Division will not be accessible for vehicular through traffic from the north. The SCR estuary, upper beach and coastal dunes provide habitat for T/E species and should not be disturbed without express permission from authorized trustee biologist.

Division F Description

This ~ 1.2 mile long division begins at the north jetty of Channel Islands Harbor and extends SE to the south side of the entrance to Port of Hueneme just west of the Jetty. This includes 0.85 miles of beachfront residences along the Silver Strand area of Oxnard. A fine-grained sand beach covers 100% of this Division, all of which is accessible for vehicular traffic. The remainder of the Division is under the jurisdiction of the Port of Hueneme.

Division G Description

This ~ 3.5 mile long division begins at the south side of the entrance to Port of Hueneme just west of the SE Jetty and extends SE along Ormand Beach to the fence line at Arnold Road which marks the NW boundary of the Naval Base Ventura County. This Division includes Port Hueneme Beach Park and fishing pier, the Ormand Beach Lagoon and wetlands, Oxnard Industrial Canal, and the decommissioned Ormand Beach Generating Station. The beach is narrow and subject to wave-wash in the westernmost 0.6 mile segment of this division. The remaining 2.9 miles of coastline is a broad fine-grained sand beach all of which is accessible for vehicular traffic. Ormand Beach and Lagoon provide habitat for T/E species and should not be disturbed without express permission from authorized trustee biologist.

Division H Description

This ~ 6.5 mile long division begins at the fence line at Arnold Road at the NW boundary of the Naval Base Ventura County and extends SE along the Naval Base, Laguna Point, Mugu Lagoon, and southern sandspit to the south side of the parking lot at Point Mugu Rock. This Division is only accessible with permission from the Naval Base. Responders should be accompanied by authorized naval personnel unless otherwise advised. Fine to medium grained sand beaches cover 100% of this Division, all of which are accessible for vehicular traffic. Beaches north of the Mugu Lagoon entrance (Calleguas Creek Discharge) must be accessed from the north. The southern sand spit must be accessed from the south near the gunnery range. Mugu Lagoon, sand spits, and coastal dunes provide critical habitat for a wide

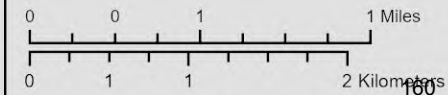
variety of sensitive habitats and protected and T/E species and should not be disturbed without express permission from authorized biologists from the naval base and/or state and federal agencies.

Division I Description

This ~ 7.5 mile long division begins at the south side of the parking lot at Point Mugu Rock and extends SE to the Ventura/Los Angeles County Line. This Division parallels Hwy 1 and the shoreline is primarily boulder riprap, cobble or small temporary pocket beaches exposed only at lower tides. Response within most of this division would entail roadside parking. There are larger fine to medium grained sand beaches at three locations within the division at Point Mugu State Park -1.2 miles; Big Sycamore Canyon - 0.3 mi.; and Leo Carillo State Beach - 0.25 mi., north of the Ventura/LA County Line.



Ventura (VN) County Operational Division A Environmental Sensitive Sites





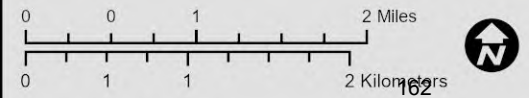
Ventura (VN) County Operational Division B Environmental Sensitive Sites

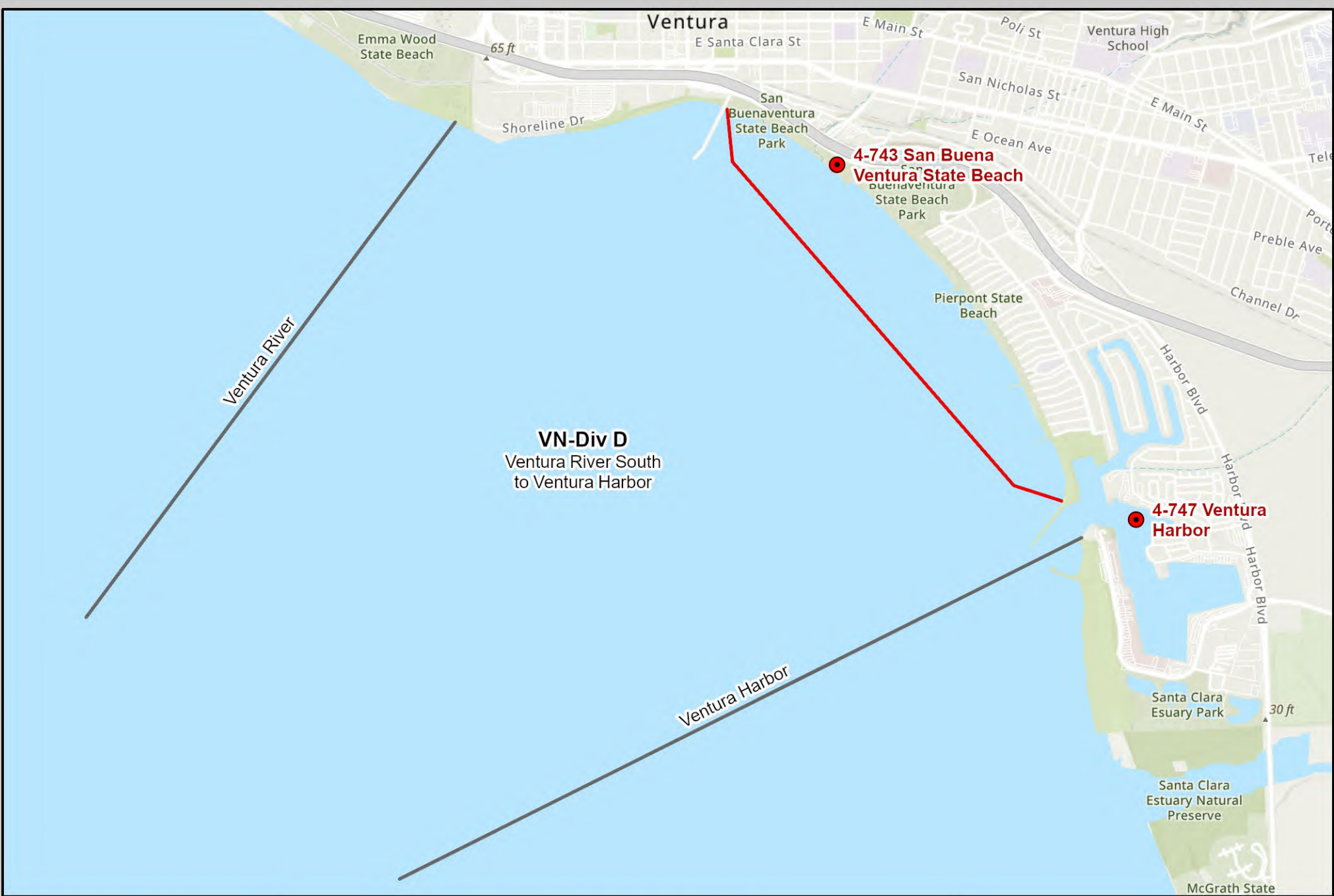


VN-Div C
 Pitas Point South
 to Ventura River

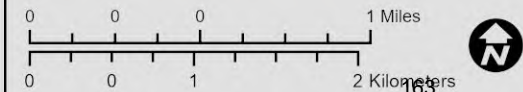
**4-740 Ventura
 River**

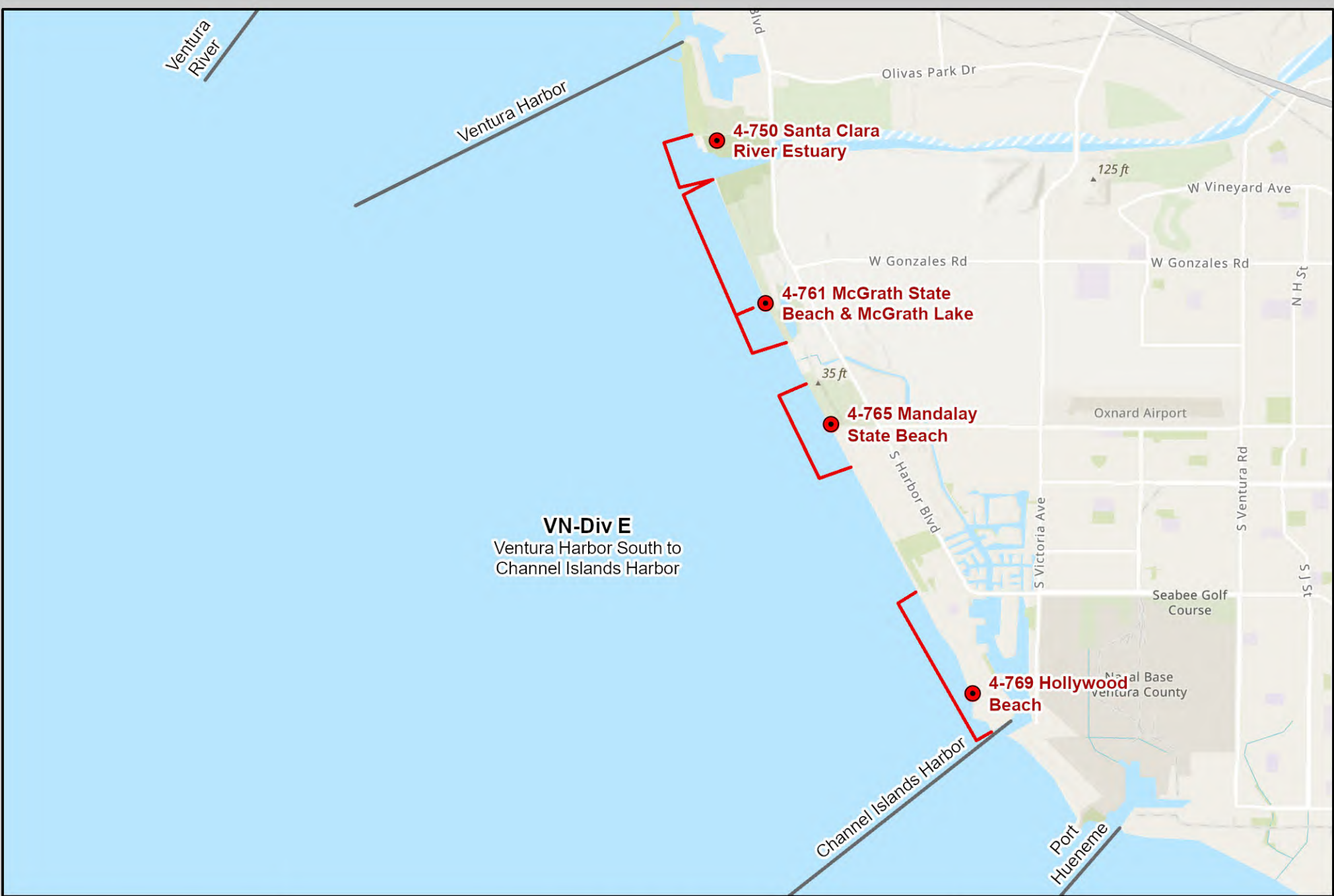
Ventura (VN) County
Operational Division C
Environmental Sensitive Sites





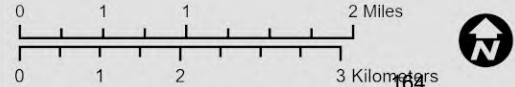
Ventura (VN) County Operational Division D Environmental Sensitive Sites

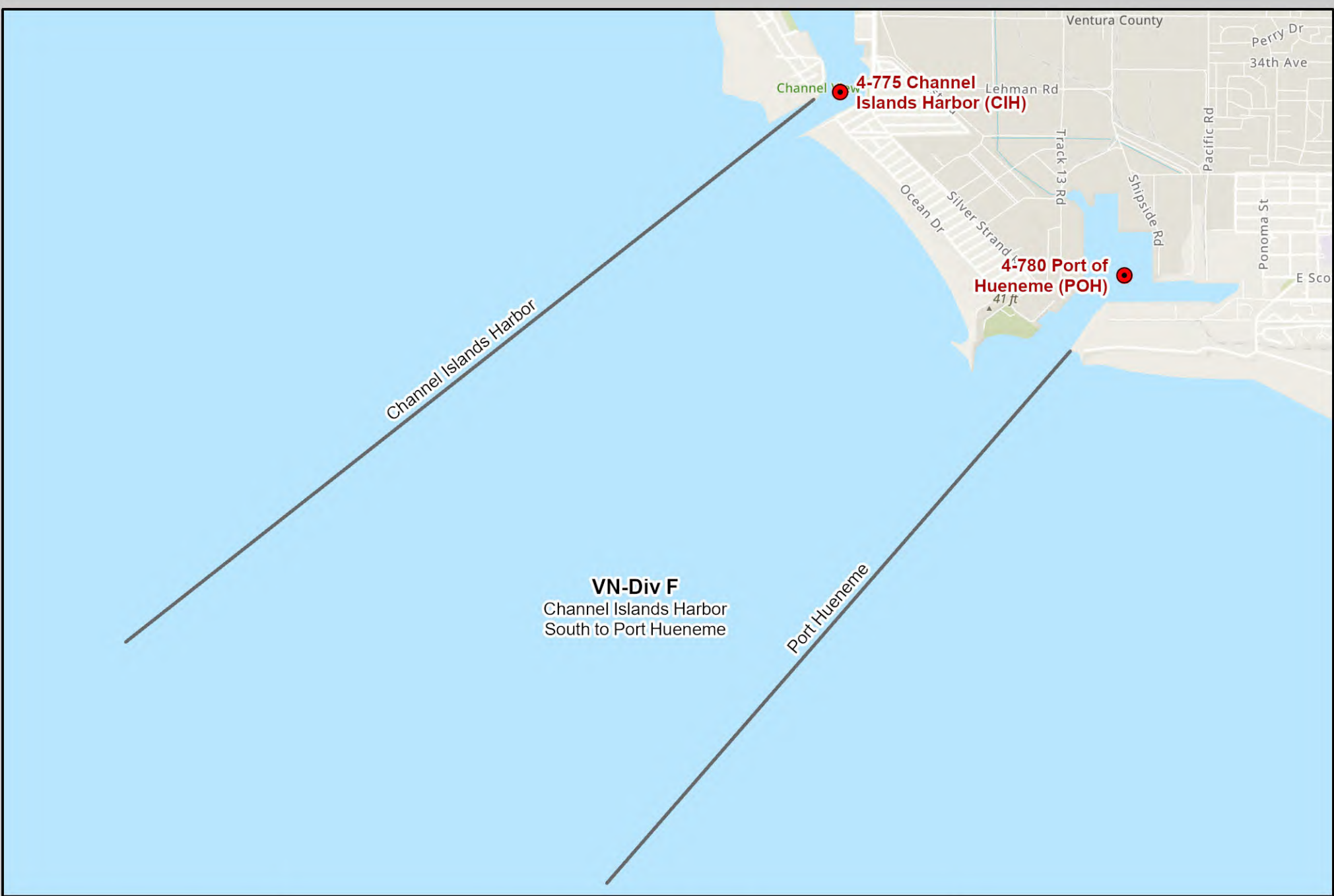




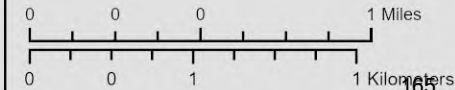
VN-Div E
 Ventura Harbor South to
 Channel Islands Harbor

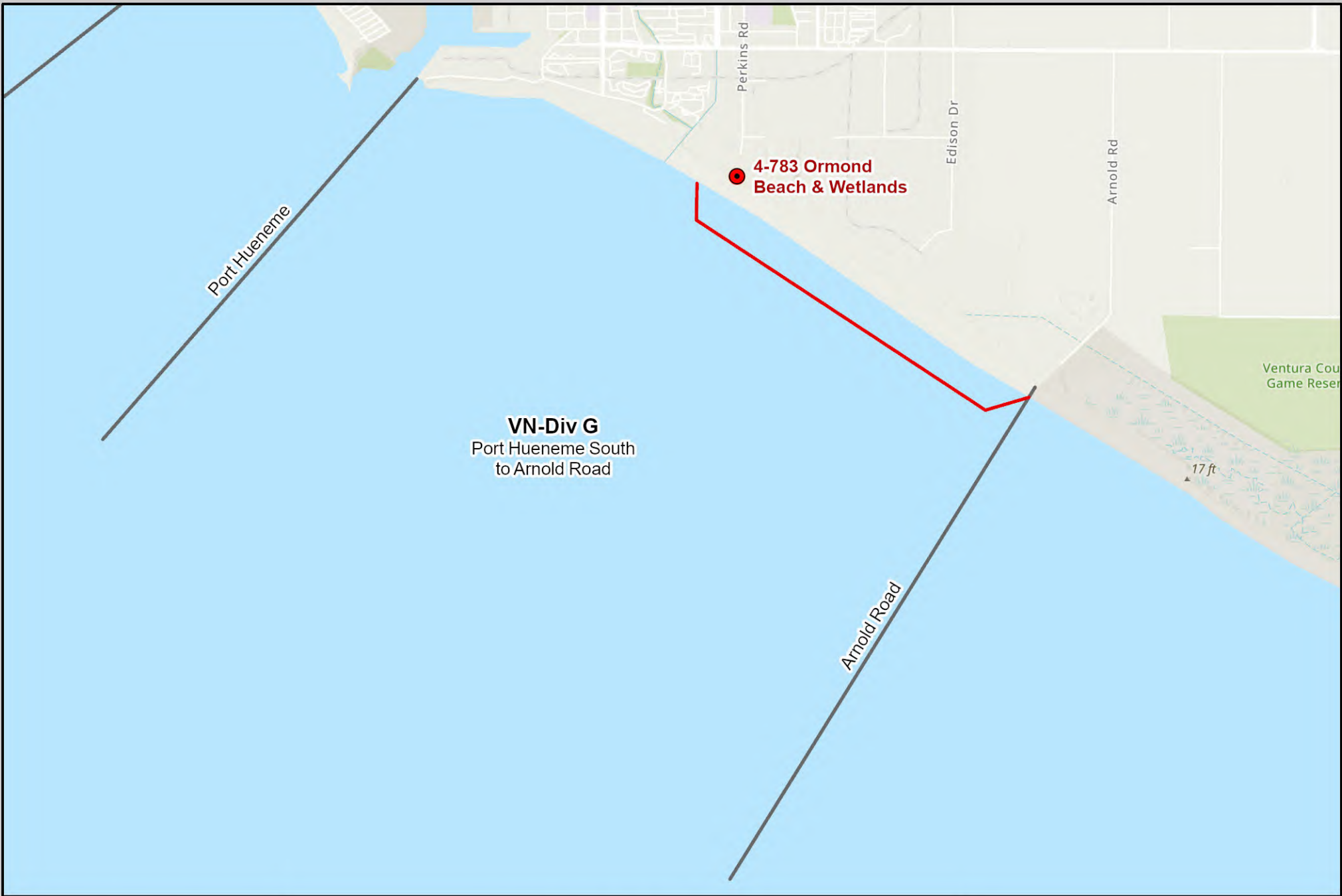
Ventura (VN) County
Operational Division E
Environmental Sensitive Sites



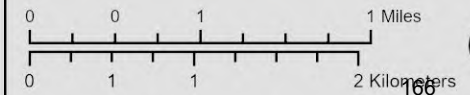


Ventura (VN) County
Operational Division F
Environmental Sensitive Sites



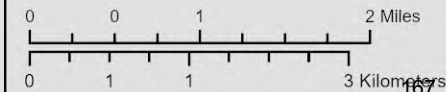


Ventura (VN) County Operational Division G Environmental Sensitive Sites





Ventura (VN) County Operational Division H Environmental Sensitive Sites





VN-Div I
 Point Mugu South to
 Ventura County Line

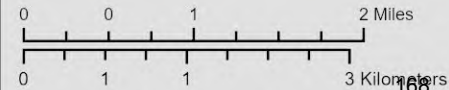


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response

Data Source: OSPR, CDFW
 Author: OSPR, CDFW
 Created: 1/25/2024

ACP 4/5 Annex C

Ventura (VN) County Operational Division I Environmental Sensitive Sites



1015 Northern Channel Islands (GRA 8)

The five northern Channel Islands (Anacapa, Santa Cruz, Santa Rosa, San Miguel, and Santa Barbara) and the associated waters surrounding the islands pose significant challenges to spill response. This section will cover some of the general islands-wide issues that must be taken into consideration before any response operations are conducted on the islands. Due to the geographic proximity of Santa Barbara Island to Los Angeles and the corresponding proximity to Los Angeles County response resources, Santa Barbara Island has been included in ACP 5. However, any response upon Santa Barbara Island must also take into consideration the following issues. The Santa Barbara Island sensitive site pages reference this document accordingly.

Description

The Channel Islands described here, and the surrounding one nautical mile of water are all part of the Channel Islands National Park (CINP) while the surrounding 6 nautical miles of water are part of the Channel Islands National Marine Sanctuary (CINMS). The State of California has jurisdiction over the living marine resources within 3 miles of the islands. CINP consists of 390 m² (half of which is under water) while the CINMS consists of a total of a 1,252-square-nautical-mile area of ocean surrounding the islands. Roughly 75% of Santa Cruz Island is owned and managed by The Nature Conservancy, a private, non-profit organization. The islands and the surrounding waters hold significant biological, archeological, and cultural resources that are at risk from oil spills. These resources include but are not limited to federal and state listed endangered species, large sea bird and marine mammal populations, Native American archeological sites, and shipwrecks.

Logistics

The only way to gain access to the Channel Islands is by boat or aircraft. The nearest harbors are in the cities of Santa Barbara and Ventura; except for Santa Barbara Island (which is further south and is better accessed from Los Angeles/Long Beach Harbors). Conditions in the Santa Barbara Channel and around the islands are variable and the ocean is unforgiving. Only experienced skippers with vessels capable of withstanding severe weather are advised to make the cross-channel passage. Major shipping lanes lie between the islands and the mainland. Aircraft usage within or above the CINP is difficult due to complex take-off and landing conditions as well as biological restrictions (see Response Limitations and Bio-Security below for more information). Channel Islands Aviation, based out of the Camarillo Airport, is well equipped and experienced with flying and landing within the CINP. Aspen Helicopter is also familiar with the islands. There are very few locations upon the islands that can serve as staging areas and even fewer opportunities for housing response personnel. If it is necessary to set up equipment staging or to house response personnel on the islands, it is essential that the incident command work closely with CINP representatives to establish appropriate locations.

Communications

Each island is equipped with at least 1 base station radio for communication with park headquarters and a marine band radio. Channel 16 on marine VHF is normally monitored during working and later hours. Each island ranger is equipped with a hand-held radio.

Response Limitations and Bio-security

Due to the special biological and cultural significance of the Channel Islands, mounting any response actions within the CINP and the CINMS presents unusual difficulties. Each island presents its own limitations which can change based upon weather or time of the year. The specifics of these are listed below in the Island Specific Logistics section but there are some general restrictions and limitations that are island wide and always in force. Any variation from these restrictions must be done with express permission of CINP representative.

- Bio-security: the prevention of the introduction of non-native and/or invasive species onto the islands is of paramount importance. All response activities within the CINP must comply with the limitations and requirements of the Bio-security Protocols listed in the following section.
- Private aircraft may not land within park boundaries. All aircraft must maintain a minimum 1000- foot altitude above land and sea surfaces within the park.
- Fires and smoking are not permitted except in designated areas.
- Landing is not permitted on offshore rocks and islets.
- Collecting plants, rocks, animals, and artifacts is prohibited without a permit from the CINP.

Contacts

Each site summary lists the key contacts for response within the CINP and CINMS. Since the contact list for each site is the same, the list is reprinted here for easy access.

Channel Islands National Parks Contacts	Phone Number
Channel Islands National Park Office (8:30 am to 5 pm; 7 days a week) 805-642-3862	805-658-5730
Dispatch	559-565-4221

Channel Islands National Marine Sanctuary Contacts	Phone Number
Channel Islands National Marine Sanctuary 24 Hour Emergency Cell	805-729-1271
Emergency Operations Manager Sean Hastings	805-705-1790
Sanctuary Superintendent Chris Mobley	805-259-6540
Sanctuary Deputy Superintendent of Programs Mike Murray	805-448-9971
Deputy Superintendent of Operations Todd Jacobs	805-689-8920
General Office	805-699-5422

Island Specific Logistics

Anacapa:

Aircraft Runways: None

Vessel Landing Areas: Landing Cove (north face of island on the east end). Caution-monitor sea conditions and depth before attempting approach.

Anchorage: Frenchy's Cove (north face of island near West and Middle Anacapa isthmus).

Landing Cove (north face of island on the east end). East Fish Camp (south face of island on east end of Middle Anacapa).

Staging Areas: None

Personnel Lodging: Campground on East Anacapa

Roads & Vehicles: None

San Miguel:

Aircraft Runways: Primitive airstrip near ranger station at Lester Ranch.

Vessel Landing Areas: None

Anchorage: Cuyler Cove (north-center of island). Tyler Bight (southwest side island near Pt Bennett site boundary)

Staging Areas: None

Personnel Lodging: None

Roads & Vehicles: None

Santa Cruz:

Aircraft Runways: Several primitive airstrips around island (consult CINP).

Vessel Landing Areas: Prisoners Harbor (Northeast face of center of island). Scorpion Harbor (Northeast end of island). Caution: monitor sea conditions and depth before attempting approach.

Anchorage: At least 2 dozen possible anchorages around the island. Most on the eastern half.

Staging Areas: Several possible staging areas (consult CINP)

Personnel Lodging: Several campgrounds (consult CINP)

Roads & Vehicles: Passenger vehicles, bulldozer, and tractor(s). Note: many roads impassable in wet conditions.

Santa Rosa:

Aircraft Runways: Primitive airstrip near ranger station near Water Canyon.

Vessel Landing Areas: Bechers Bay landing dock is on the northeast side of island near the ranger station. Caution: monitor sea conditions and depth before attempting approach.

Anchorage: Several possible anchorages around island (consult CINP)

Staging Areas: Several possible staging areas (consult CINP)

Personnel Lodging: Campground near runway.

Roads & Vehicles: Passenger vehicles and a tractor. Note many roads impassable in wet conditions.

Santa Barbara:

Aircraft Runways: None

Vessel Landing Areas: Landing Cove (northwest face of island) Caution: monitor sea conditions and depth before attempting approach.

Anchorage: Landing Cove (northwest face of island).

Staging Areas: None

Personnel Lodging: None

Roads & Vehicles: None

Biosecurity Protocols - Preventing the Introduction of Non-native Species

Background and Rationale

The Channel Islands National Park was established to conserve the rich biological ecosystems of five islands and nearby rocks and islets. The naturally small populations found on islands can be easily driven to extinction by new introductions and, therefore, islands are unusually vulnerable to the impacts of new invaders.

It is much more cost effective to prevent the arrival of introduced species than to attempt to eradicate after arrival. In many cases, it may be impossible to eliminate a pest once it has arrived.

Protocols:

Personal Gear

- Maximum use of hard sided boxes. Any cargo packaged and stored overnight must be stored in a hard-sided box. Food may only be stored in containers that are totally sealed (i.e. hardsided box with a tight-fitting top and no holes). The park has purchased several plastic boxes with lids that can be used by anybody traveling on park boats or flights.
- Minimize use of megabags. Megabags need to be shaken out prior to each loading. They need to be clean. Megabags should never be loaded except immediately prior to being slung onto a boat. No supplies left in a megabag overnight will be loaded onto a boat without first unloading and inspecting all of the gear.
- No corrugated cardboard boxes may be used to transport food. No corrugated cardboard boxes that are second-hand use (i.e. banana boxes) may be used for any reason. All other corrugated cardboard is discouraged. However, items (not food) in original cardboard packing (preferably sealed) may be used. The park will assess the level of risk that is posed by new boxes.
- Personal gear should be stored in clean, pest-free conditions at home. Gear should be cleaned and packed. Boots, sleeping bags, tents, nets should be cleaned prior to packing.
- All footwear, clothing, and gear (especially Velcro, shoelaces, cuffs, and boot lugs) should be clean and inspected for seeds and soil before departing for the islands, when boarding boats, and when moving between islands.

Equipment and Supplies

- Equipment (large and small) should be stored and transported in a manner which prevents the attraction or transport of seeds, invertebrates, vertebrates and pathogens. Wherever possible, gear should be loaded into, stored and transported in containers with tight fitting lids that can prevent access by mobile species such as invertebrates and vertebrates (such as rodents). Corrugated cardboard boxes should be avoided to transport equipment and gear as the corrugations provide hiding places for invertebrates.

- Gear and equipment should NOT be left or stored where it is at risk for attracting and harboring potential non-native species prior to departing. For example, leaving large equipment in the open is a dangerous practice; it provides cover and food for rodents and insects. Gear that is left out in the open may also be exposed to potential weed seeds blown around or carried by other species. Types of safe storage units include containers with tight fitting lids, conex boxes, inside park buildings, or freezer storage.
- During the loading and unloading process all containers used in transport (e.g. dumpsters) should be cleaned of any item that may have spilled, especially foodstuffs, plant materials and soil. This practice will reduce the risk of attracting insects, rodents or other pest species.

Lumber and Wood Products

- Lumber should only be used if it is clean, new, processed lumber from California. CAUTION: California Pine could contain blister rust or pitch canker and California Oaks could have the pathogen that causes Sudden Oak Death. All lumber must be certified pest and pathogen free by either the distributor or the Park before use on the islands.
- Bundled lumber should be taken apart, inspected thoroughly, and restacked before leaving the mainland as it could harbor animals and/or seeds. The only exception is if a wholesale supplier has certified lumber pest and pathogen-free and it is tightly bundled and closely packed. Ideally, lumber should be inspected and cleaned before bundling.
- Under no circumstances should firewood or any unprocessed lumber with bark be allowed on the Channel Islands. Bark can provide habitat to many invertebrates and could carry pathogens such as pine blister rust, pitch pine canker, and Sudden Oak Death.
- All wood products should be processed and ideally treated, with no traces of bark or soil.

Waste

- The buildup and disposal of waste is a significant issue on the Channel Islands. A waste management and disposal plan should be designed with CINP input and buyoff as early as possible in the response.

Dumpsters

- Dumpsters are a large risk for transport of non-native animals. Whenever possible, dumpsters should not be used for personal food wastes. These should be taken off by the individual generating the waste.
- Dumpsters may only be used for construction and/or spill clean-up projects and will be in a manner that they will not be used for food materials.
- Under no circumstances should dumpsters go to the islands with any garbage. The inside and outside, including the wheels, of the dumpsters should be pressure washed and treated with a disinfectant solution before leaving the mainland.
- Dumpsters must be inspected, emptied, and cleaned before departing the mainland for the islands.
- Under no circumstances should dumpsters move between islands.

Ground Vehicles

- All vehicles should be washed and inspected prior to departure, especially earth moving and heavy equipment such as vehicles, tractors, shovels, and associated construction equipment. Equipment should be cleaned of soil and vegetative matter before being leaving their departure point, be this mainland or island.
- Heavy equipment (especially construction and earth moving equipment) should not be allowed to move between islands without: 1) being transported first to the mainland and cleaned; or 2) being cleaned on island prior to moving. In some situations, it may be necessary to clean equipment while at sea, but this should not be routine. Not only is this difficult and dangerous, the boat itself could become a vector for removed contaminants.
- All vehicles should be washed and inspected to ensure no transport of soil or vegetative matter. Using a hoist for washing is ideal; special attention should be paid to the undersides and insides of vehicles.

Vessels

- Every boat shall have armed bait boxes that are checked monthly. Also, sticky traps should be deployed on every boat and changed monthly.
- Boat decks should be washed clean between cargo runs. No soil or other debris should remain on a boat.
- Any sign of rodents on a boat should be reported to the Superintendent.
- Any landing craft should be trapped intensively using a combination of bait boxes, snap traps, and sticky traps when a load is placed on the boat.
- No scrubbing of boat bottoms at the islands. Vessels should be cleaned in the harbor or offshore.

Planes

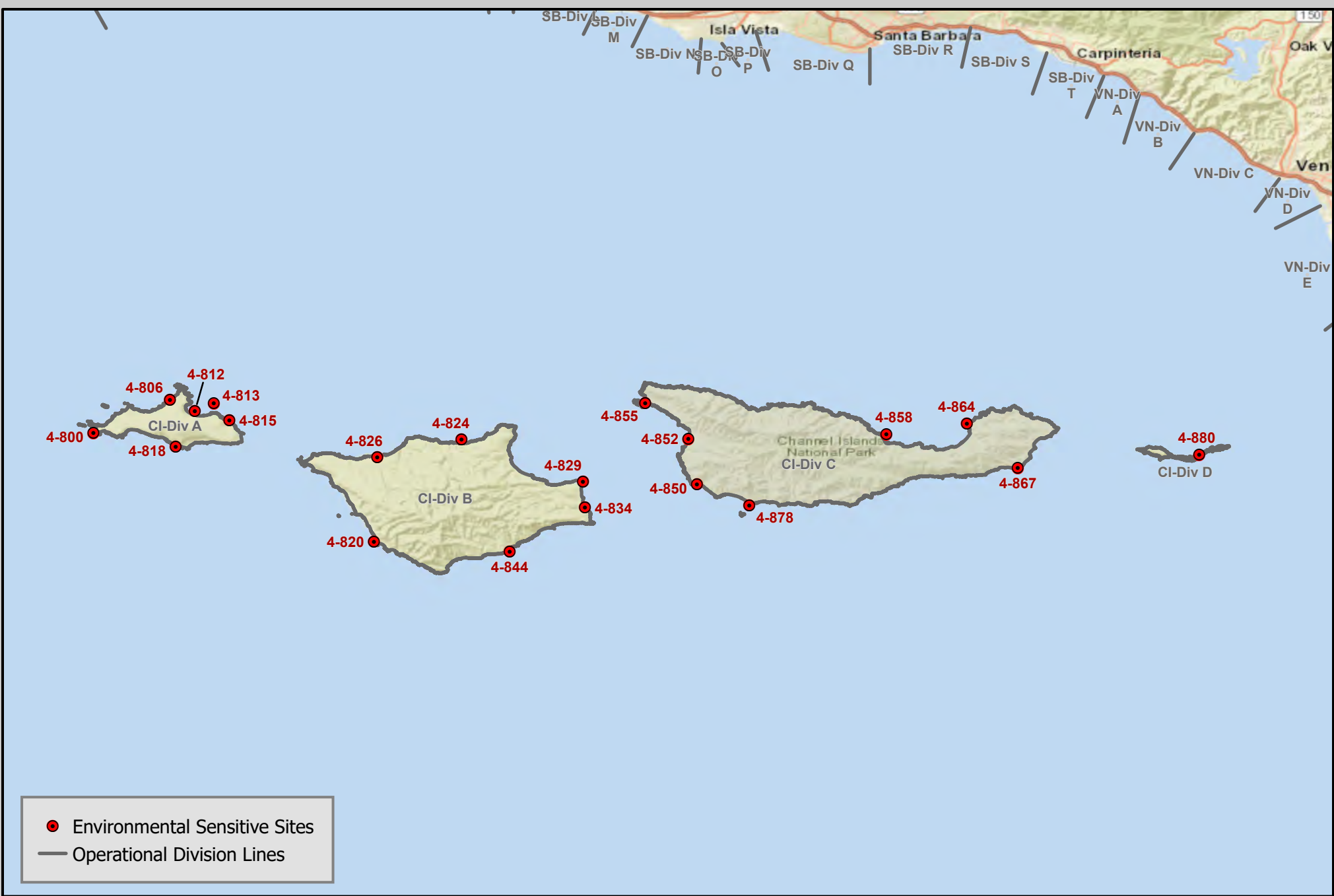
- Planes should follow the same rules for containers and food storage as do boats.
- Planes should be maintained in a clean manner and routinely be swept out.
- The presence of yellow star-thistle at the landing strip at Santa Cruz Island poses a risk to the other islands. If a flight is to visit multiple islands, Santa Cruz should be the last island visited. An aircraft should never go from Santa Cruz Island to another park island.
- Planes and helicopter shall have their landing gear and passenger compartments of their aircraft cleaned and inspected prior to leaving the mainland.

Soil & Gravel


- The transportation of soil and gravel from the mainland to islands is discouraged. If material is to be transferred, it must be freshly dug and transported to an island as soon as possible. Material that is held on the mainland must be tarped to protect from non-native seeds. The site where soil or gravel is deposited on an island will be mapped and provided to the Chief of Natural Resource for monitoring.

Education

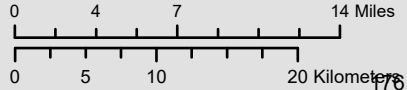
Education is the best defense against the introduction of non-native plants and animals to the islands. Prior to responders departing for the islands, CINP personnel shall give an overview of the dangers and precautions necessary to mitigate those dangers to response personnel.



● Environmental Sensitive Sites
 Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR, CDFW NAD_1983_California_Teale_Albers
 Author: OSPR, CDFW
 Created: 7/24/2023 ACP 4/5 Annex C

ACP 4 - GRA 8 Environmental Sensitive Sites Channel Islands



1015.1 Response Summary Tables

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

Summary of ACP 4 GRA 8 Response Resources by Site and Sub-Strategy

Site	Site Name	Equipment	Sub-Type	Size/Unit	QTY/Unit
Sub-Strategy	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT				
4-800	San Miguel Island: Point Bennett Area				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-806	San Miguel Island: East Simonton Cove				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-812	San Miguel Island: Cuyler Harbor				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-813	San Miguel Island: Prince Island				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-815	San Miguel Island: Bay Point				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-818	San Miguel Island: South Side				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-820	Santa Rosa Island: South West Beaches				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-824	Santa Rosa Island: North Area				
.1	Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff				5
4-826	Santa Rosa Island: Arlington Canyon Lagoon				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-829	Santa Rosa Island: Skunk Point Area				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-834	Santa Rosa Island: Lagoon (East Side)				
.1	Exclude Oil				
	stakes				24
	Boom	Sorbent Boom			240 feet
	Boom	Swamp Boom			240 feet
	Staff				5
4-844	Santa Rosa Island: South East Beaches				
.1	No Onsite Options: Consider Offshore Containment/Recovery/ART				
4-850	Santa Cruz Island: Posa Anchorage Lagoon				
.1	Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff				5
.2	Build Berm				
	Piping	6"			3
	Boom	Sorbent Boom			240 feet
	Sandbags				200
	Plastic sheeting	visqueen			1 Rolls

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

	Equipment	Sub-Type	Size/Unit	QTY/Unit
4-852 Santa Cruz Island: Christi Beach				
.1 - Build Berm				
	Plastic sheeting	visqueen		1 Rolls
	Piping	6"		3
	Sandbags			200
	Boom	Sorbent Boom		240 feet
	Staff			5
.2 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-855 Santa Cruz Island: Forney Cove				
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-858 Santa Cruz Island: Prisoners Harbor				
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-864 Santa Cruz Island: Scorpion Harbor Area				
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-867 Santa Cruz Island: Smuggler's Cove				
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-878 Santa Cruz Island: Punta Arena to Near Point				
.1 - Shoreline Pre-Clean: Resource Specialist Supervision Required				
	Staff			5
4-880 Anacapa Island				
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				

1015.2 GRA 8 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
4-000-A	Typical SLO/Santa Barbara/Vent Sandy Beach	4-000-A	Not Available
4-800-A	San Miguel Island: Point Bennett Area	4-800-A	Not Available
4-806-A	San Miguel Island: East Simonton Cove	4-806-A	Not Available
4-812-A	San Miguel Island: Cuyler Harbor	4-812-A	Not Available
4-813-A	San Miguel Island: Prince Island	4-813-A	Not Available
4-815-A	San Miguel Island: Bay Point	4-815-A	Not Available
4-818-A	San Miguel Island: South Side	4-818-A	Not Available
4-820-A	Santa Rosa Island: South West Beaches	4-820-A	Not Available
4-824-A	Santa Rosa Island: North Area	4-824-A	Not Available
4-826-A	Santa Rosa Island: Arlington Canyon Lagoon	4-826-A	Not Available
4-829-A	Santa Rosa Island: Skunk Point Area	4-829-A	Not Available
4-834-A	Santa Rosa Island: Lagoon (East Side)	4-834-A	Not Available
4-844-A	Santa Rosa Island: South East Beaches	4-844-A	Not Available
4-850-A	Santa Cruz Island: Posa Anchorage Lagoon	4-850-A	Not Available
4-852-A	Santa Cruz Island: Christi Beach	4-852-A	Not Available
4-855-A	Santa Cruz Island: Forney Cove	4-855-A	Not Available
4-858-A	Santa Cruz Island: Prisoners Harbor	4-858-A	Not Available
4-864-B	Santa Cruz Island: Scorpion Harbor Area	4-864-B	Not Available
4-867-B	Santa Cruz Island: Smuggler's Cove	4-867-B	Not Available
4-878-A	Santa Cruz Island: Punta Arena to Near Point	4-878-A	Not Available
4-880-A	Anacapa Island	4-880-A	Not Available

County: San Luis Obispo **ACP Division/Segment:****NOAA Chart:****Map Book:****Decimal Degrees:****Site Description:****Resources at Risk:***ESI and Habitat:* 3A Fine- to medium-grained sand beaches**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:

Hazard and Restrictions:

Site Strategies:

Site Validation Level: II

Strategy: 4-000.1 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: 4-000.2 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:

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.

1015.3 Lists of Economic Resources Susceptible to Oiling

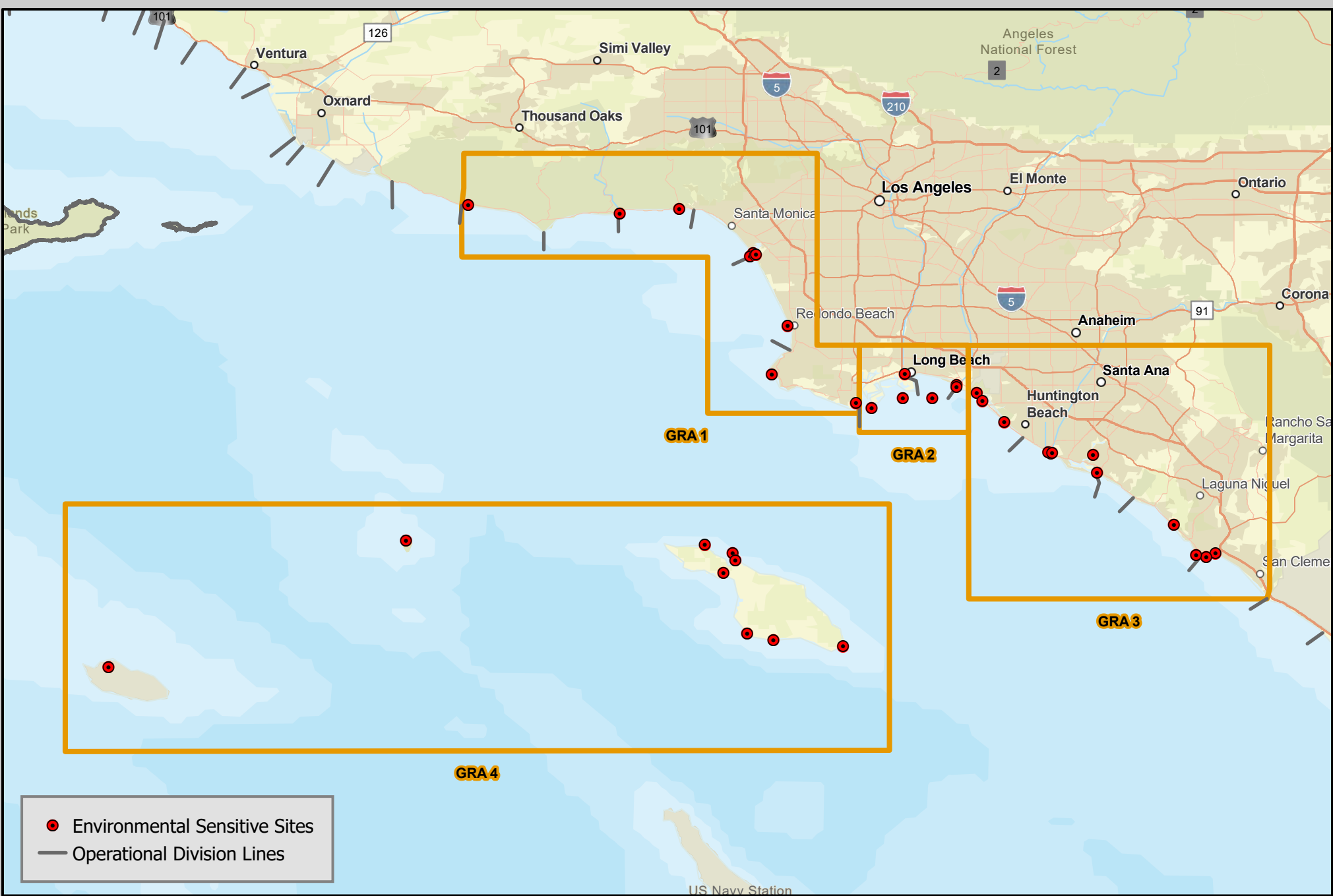
A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

The Channel Islands region is home to many environmentally, biologically, and culturally significant sites. The area is used for several recreational and commercial activities including but not limited to scuba diving, hiking, fishing, research, marine resource enhancement, habitat restoration, sailing, boating, and kayaking. Due to this combination of resources and varied resource uses, the Channel Islands region of this Area Contingency Plan shall be considered an important economic resource in its entirety with a significance ranking of D.


1016 ACP 5 Los Angeles/ Long Beach 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.



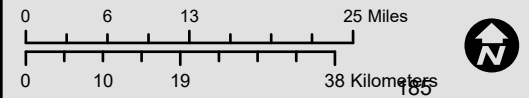
- Environmental Sensitive Sites
- Operational Division Lines


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR GIS NAD_1983_California_Teale_Albers
 Requestor: C. Shinn
 Author: G. Ewing
 Date Created: 8/2/2023 ACP 4/5 Annex C

ACP 5

All GRA Locations

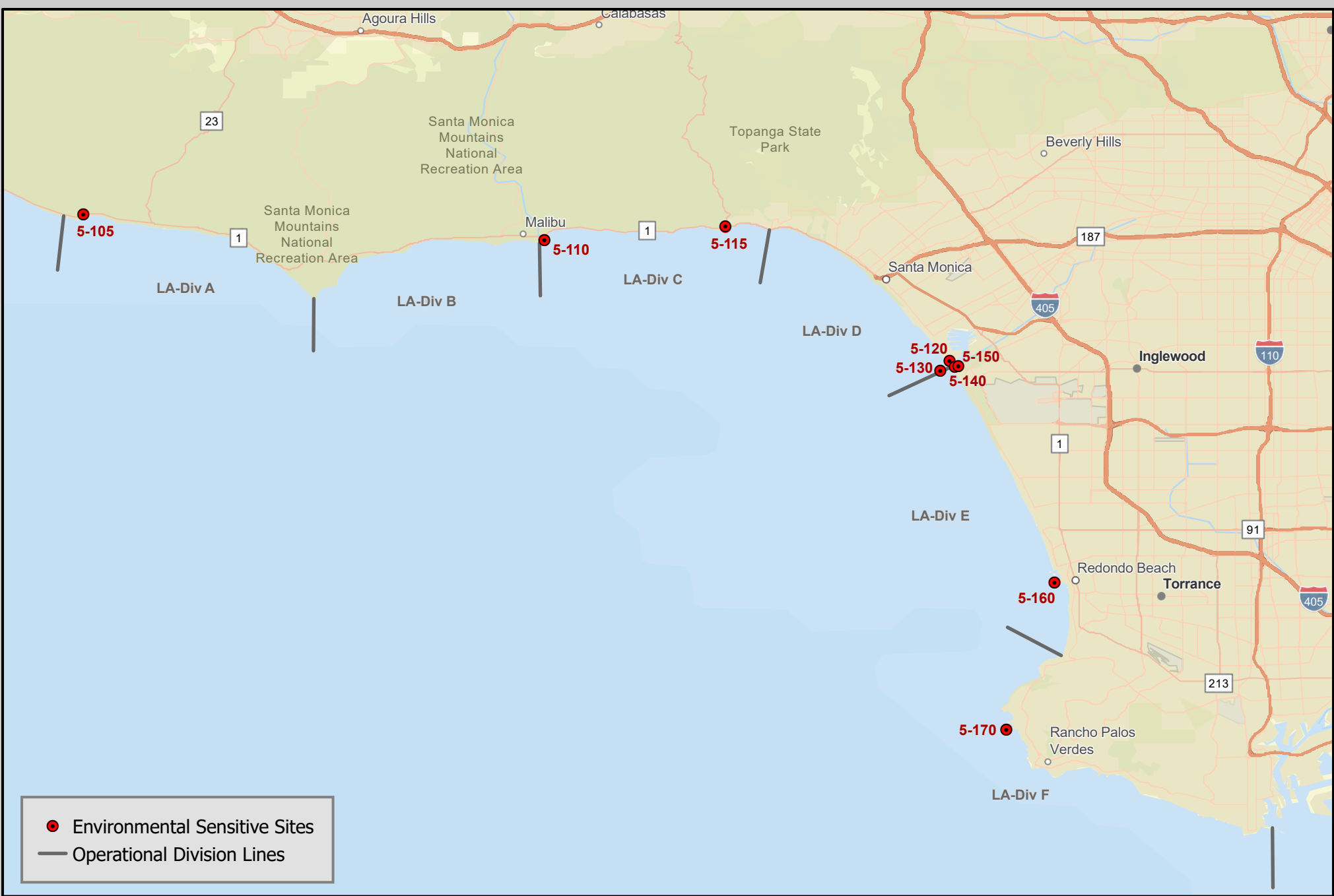
June 2024




1017 North Los Angeles County (GRA 1)

Los Angeles County GRA 1 begins at the border of Ventura and Los Angeles Counties and extends south approximately 50 miles to the Port of Los Angeles. Most of the shoreline in GRA 1 is fine grain sandy beach habitat with several areas of lagoons, wetlands, exposed rocky shores and exposed wave-cut platforms. 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.

Access to GRA 1 is available shoreside from most County and State Beach parking lots and city streets. The nearest harbors are located in the Port of Hueneme, Marina Del Rey, Redondo Beach, Los Angeles, and Long Beach. Conditions in the Santa Monica Bay 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.



- Environmental Sensitive Sites
- Operational Division Lines


Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR GIS NAD_1983_California_Teale_Albers
 Requestor: C. Shinn
 Author: G. Ewing
 Date Created: 2/1/2024 ACP 4/5 Annex C


ACP 5 - GRA 1

Environmental Sensitive Sites

North Los Angeles County

0 2 4 8 Miles

0 3 6 12 Kilometers



1017.1 Response Summary Tables

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	PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT		
Sub-Strategy	Equipment	Sub-Type	Size/Unit	QTY/Unit
5-105 Arroyo Sequit Creek				
.1 - Exclude Oil				
	Staff	Staff to Deploy		2
	Heavy Equipment	Backhoe		1
.2 - Exclude Oil				
	Misc.	Stakes		8
	Boom	Sorbent Boom		300 feet
	Staff	Staff to Deploy		4
	Boom	Harbor Boom	18 or 24 inch	300 feet
	Staff	Staff to Tend		2
	Vessel	Skiff or Punt		2
.3 - Exclude Oil				
	Staff	Staff to Tend		2
	Staff	Staff to Deploy		6
	Misc.	Fencing		200 feet
	Misc.	Stakes		12
	Other Boom	Pom-pom		200 feet
5-110 Malibu Lagoon Coastal Wetland				
.1 - Exclude Oil				
	Staff	Staff to Tend		2
	Boom	Intertidal		500 feet
	Vessel	Skiff or Punt		2
	Staff	Staff to Deploy		4
.2 - Exclude Oil				
	Staff	Staff to Tend		2
	Staff	Staff to Deploy		8
	Vessel	Skiff or Punt		2
	Boom	Sorbent Boom		1200 feet
	Boom	Harbor Boom	18 or 24 inch	800 feet
.3 - Exclude Oil				
	Staff	Staff to Tend		2
	Misc.	Stakes		12
	Misc.	Fencing		2000
	Staff	Staff to Deploy		10
	Other Boom	Pom-pom		2000
5-115 Topanga Creek				
.1 - Exclude Oil				
	Bulldozer	Backhoe		1
	Staff	Staff to Deploy		2
.2 - Exclude Oil				
	Stakes	Stakes		8
	Staff	Staff to Deploy		4
	Vessel	Boom Boat or Skiff		2
	Boom	Sorbent Boom		200 feet
	Boom	Harbor Boom	18 or 24 inch	200 feet
	Staff	Staff to Tend		2
.3 - Exclude Oil				
	Fence	Fencing		200 feet
	Stakes	Stakes		12
	Staff	Staff to Tend		2
	Staff	Staff to Deploy		6
	Misc.	Pom-pom		200 feet
5-120 Venice Beach				
.1 - Other: See Strategy Box				
	Staff	Natural Resource Specialist		1

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
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5-130 Marina Del Rey Breakwater

.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART

5-140 Ballona Creek

.1 - Exclude Oil

Staff	Staff to Deploy		8
Vessel	Boom Boat		1
Anchor	Danforth	40 lb	1
Boom	Harbor Boom	18 or 24 inch	600 feet

5-150 Ballona Lagoon Wetlands, Del Rey Lagoon

.1 - Exclude Oil

Staff	Staff to Deploy		1
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.2 - Exclude Oil

Inflatable Plug			1
Sandbags			
Staff	Staff to Deploy		2

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

1017.2 GRA 1 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
5-000-A	ACP 5 Sandy Beaches	5-000-A	Arroyo Sequit Creek
5-105-A	Arroyo Sequit Creek	5-105-A	Malibu Lagoon Coastal Wetland
5-110-A	Malibu Lagoon Coastal Wetland	5-110-A	Topanga Creek
5-115-A	Topanga Creek	5-115-A	Venice Beach
5-120-A	Venice Beach	5-120-A	Marina Del Rey Breakwater
5-130-AC	Marina Del Rey Breakwater	5-130-AC	Ballona Creek
5-140-AB	Ballona Creek	5-140-AB	Ballona Lagoon Wetlands, Del Rey Lagoon
5-150-A	Ballona Lagoon Wetlands, Del Rey Lagoon	5-150-A	King Harbor Breakwater
5-160-AC	King Harbor Breakwater	5-160-AC	Palos Verdes Peninsula
5-170-A	Palos Verdes Peninsula	5-170-A	Arroyo Sequit Creek

County: San Luis Obispo ACP Division/Segment:

NOAA Chart:

Map Book:

Decimal Degrees:

Site Description:

Resources at Risk:

ESI and Habitat: 3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Apr-Sep	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/	Central Coast Information Center	(805) 682-4711
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/	South Central Coast Information Center	(657) 278-5395
T	/Spill Response Coordinator	US Fish and Wildlife Service, Federal T&E Species	(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:

WESTERN SNOWY PLOVERS NEST FROM MAR-SEP AND CALIFORNIA LEAST TERNS NEST FROM APR-SEP. Western snowy plovers are small, white and tan colored shorebirds. California least terns are small, 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:**Hazard and Restrictions:****Site Strategies:****Site Validation Level: II****Strategy: 4-000.1 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: 4-000.2 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:

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.

1017.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - North Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Leo Carrillo State Beach 36000 Pacific Coast Highway Malibu CA 90265 Phone: 310-457-8144</p> <p>Site Description: Beach - camping and day use with fees. Whale watching, wind surfing, surfing, and diving.</p>	<p>Site Number: 5-1-LA-100-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.04655 -118.93291</p>
<p>Nicholas Canyon Beach 33850 Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777</p> <p>Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-105-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.04416 -118.91422</p>
<p>El Pescador State Beach 32860 Pacific Coast Highway Malibu CA 90265 Phone: (310) 457-8144</p> <p>Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-110-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.04085 -118.89068</p>
<p>La Piedra State Beach 32700 Pacific Coast Highway Malibu CA 90265 Phone: (818) 880-0363</p> <p>Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-115-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.04021 -118.88632</p>
<p>El Matador State Beach 32350 Pacific Coast Highway Malibu CA 90265 Phone: (818) 880-0363</p> <p>Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-120-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03951 -118.87572</p>
<p>Zuma Beach County Park 30050 block of Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777</p> <p>Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-125-D Operational Division: LA -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.01598 -118.81883</p>
<p>Point Dume State Beach & Nat. Preserve 6800 Westward Beach Rd Malibu CA 90265 Phone: (310) 457-8144</p> <p>Site Description: Beach park.</p>	<p>Site Number: 5-1-LA-130-D Operational Division: LA -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.00433 -118.45451</p>
<p>Paradise Cove 28128 Pacific Coast Highway Malibu CA 90265 Phone: (310) 457-2503</p> <p>Site Description: Beach - private. Public day use with fee.</p>	<p>Site Number: 5-1-LA-135-D Operational Division: LA -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.02061 -118.7891</p>
<p>Escondido Creek Beach 27200 block of Pacific Coast Highway Malibu CA 90265 Phone:</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-140-D Operational Division: LA -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.02561 -118.7648</p>
<p>Dan Blocker County Beach 26000 block of Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-145-D Operational Division: LA -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03314 -118.7292</p>

Economic Sites - North Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Malibu Lagoon State Beach 23200 Pacific Coast Highway Malibu CA 90265 Phone: (310) 457-8144 Site Description: Park with beach, lagoon, and museum.</p>	<p>Site Number: 5-1-LA-150-D Operational Division: LA -C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03399 -118.68416</p>
<p>Malibu Surfrider Beach 23050 Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777 Site Description: Beach - day use with a popular surf break.</p>	<p>Site Number: 5-1-LA-155-D Operational Division: LA -C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03493 -118.68004</p>
<p>Malibu Pier 23000 Pacific Coast Highway Malibu CA 90265 Phone: (888) 310-7437 Site Description: Fishing</p>	<p>Site Number: 5-1-LA-160-D Operational Division: LA -C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03734 -118.67566</p>
<p>Las Tunas Beach 19444 Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777 Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-165-D Operational Division: LA -C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03942 -118.59636</p>
<p>Topanga Beach 18700 Pacific Coast Highway Malibu CA 90265 Phone: (424) 526-7777 Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-170-D Operational Division: LA -C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03987 -118.57922</p>
<p>Will Rogers State Beach 17700 Pacific Coast Highway Pacific Palisades CA 90272 Phone: (424) 526-7777 Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-175-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.03583 -118.53564</p>
<p>Santa Monica State Beach 100 - 2900 Ocean Ave. Santa Monica CA 90401 Phone: (310) 458-8300 Site Description: Beach - day use. Starts at 34.02541 118.51695 and ends at 33.99646 118.48334.</p>	<p>Site Number: 5-1-LA-180-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.02541 -118.51695</p>
<p>Santa Monica Municipal Pier 200 Santa Monica Pier Santa Monica CA 90401 Phone: (310) 458-8900 Site Description: Pier with restaurants, amusement rides, entertainment, and fishing.</p>	<p>Site Number: 5-1-LA-185-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.01062 -118.4952</p>
<p>Santa Monica County Beach 1500 block of Pacific Coast Highway Santa Monica CA Phone: (310) 458-8411 Site Description: Beach - day use with access to Santa Monica Municipal Pier.</p>	<p>Site Number: 5-1-LA-190-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 34.01022 -118.49571</p>
<p>Venice City Beach 2700 - 3100 Ocean Front Walk Venice CA 90291 Phone: (424) 526-7777 Site Description: Beach - day use with a popular boardwalk.</p>	<p>Site Number: 5-1-LA-195-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.99455 -118.47961</p>

Economic Sites - North Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Venice Pier Washington Blvd. and Ocean Front Walk Venice CA Phone: Site Description: Pier - fishing.</p>	<p>Site Number: 5-1-LA-200-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.97905 -118.46603</p>
<p>Marina Harbor Anchorage 14120 Tahiti Way Marina Del Rey CA 90292 Phone: (310) 822-6800 Site Description: Berthing: 300</p>	<p>Site Number: 5-1-LA-205-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97163 -118.45572</p>
<p>Harborside Marina Bay Apartments 14015 Tahiti Way Marina Del Rey CA 90292 Phone: (866) 881-1735 Site Description: Berthing: 250</p>	<p>Site Number: 5-1-LA-210-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97392 -118.45393</p>
<p>Waves MDR 13900 Tahiti Way Marina Del Rey CA 90292 Phone: (844) 279-8079 Site Description: Berthing: 224</p>	<p>Site Number: 5-1-LA-215-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97414 -118.45198</p>
<p>Neptune Marina 14126 Marquesa Way, Suite A Marina Del Rey CA 90292 Phone: (424) 704-8604 Site Description: Berthing: 184</p>	<p>Site Number: 5-1-LA-220-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97637 -118.45766</p>
<p>Villa Del Mar 13999 Marquesas Way Marina Del Rey CA 90292 Phone: (310) 823-4644 Site Description: Berthing: 205</p>	<p>Site Number: 5-1-LA-225-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97656 -118.45555</p>
<p>Esprit Marina 13900 Marquesas Way Marina Del Rey CA 90292 Phone: (424) 645-5453 Site Description: Berthing: 227</p>	<p>Site Number: 5-1-LA-230-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97631 -118.45195</p>
<p>AMLI Apartments 4242 Via Marina Marina Del Rey CA 90292 Phone: (866) 640-4259 Site Description: Berthing: 256</p>	<p>Site Number: 5-1-LA-235-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97781 -118.45891</p>
<p>Panay Way Marina 13924 Panay Way Marina Del Rey CA 90292 Phone: (877) 247-1734 Site Description: Berthing: 218</p>	<p>Site Number: 5-1-LA-240-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97905 -118.4549</p>
<p>Panay Marina 13953 W. Panay Way Marina Del Rey CA 90292 Phone: (310) 578-0566 Site Description: Berthing: 167</p>	<p>Site Number: 5-1-LA-245-E Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97905 -118.45364</p>

Economic Sites - North Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>The Dolphin Marina 13900 Panay Way Marina Del Rey CA 90292 Phone: (310) 439-5317 Site Description: Berthing: 478</p>	<p>Site Number: 5-1-LA-250-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97903 -118.45188</p>
<p>Mother's Beach 4135 Admiralty Way Marina Del Rey CA 90292 Phone: (424) 526-7777 Site Description: Beach - day use. Within the harbor.</p>	<p>Site Number: 5-1-LA-255-D Operational Division: LA -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.98194 -118.45884</p>
<p>Mariners Bay 14000 Palawan Way, Suite B Marina Del Rey CA 90292 Phone: (310) 822-2001 Site Description: Berthing: 409</p>	<p>Site Number: 5-1-LA-260-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.9819 -118.4561</p>
<p>Marina City Club 4333 Admiralty Way Marina Del Rey CA 90292 Phone: (310) 578-4908 Site Description: Berthing: 348</p>	<p>Site Number: 5-1-LA-265-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.98482 -118.45493</p>
<p>Catalina Yacht Anchorage 13505 Bali Way Marina Del Rey CA 90292 Phone: (310) 822-0669 Site Description: Berthing: 160</p>	<p>Site Number: 5-1-LA-275-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.98082 -118.44462</p>
<p>Pier 44 4637 Admiralty Way Marina Del Rey CA 90744 Phone: (310) 806-6970 Site Description: Berthing: 412</p>	<p>Site Number: 5-1-LA-285-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.98081 -118.44091</p>
<p>Santa Monica Windjammer Yacht Club 13589 Mindanao Way Marina Del Rey CA 90292 Phone: (310) 827-7692 Site Description: Berthing: 200</p>	<p>Site Number: 5-1-LA-290-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97786 -118.44397</p>
<p>The Boat Yard 13555 Fiji Way Marina Del Rey CA 90292 Phone: (310) 823-8964 Site Description: Berthing: 108</p>	<p>Site Number: 5-1-LA-295-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.97586 -118.44188</p>
<p>Marina Del Rey Harbor Marina Del Rey CA Phone: (310) 482-6000 Site Description: 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.</p>	<p>Site Number: 5-1-LA-305-D Operational Division: LA -D</p>	<p>Public Marinas and Harbors D Lat/Long: 33.96175 -118.46103</p>
<p>Dockweiler State Beach 12001 Vista Del Mar Playa Del Rey CA 90293 Phone: (424) 526-7777 Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-1-LA-315-D Operational Division: LA -E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.9222 -118.4309</p>

Economic Sites - North Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Manhattan Beach 400 - 4500 The Strand Manhattan Beach CA 90266 Phone: (424) 526-7777 Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-320-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.89354 -118.41673</p>
<p>Manhattan Beach Pier Manhattan Beach Blvd. & the Strand Manhattan Beach CA 90266 Phone: Site Description: Pier - fishing.</p>	<p>Site Number: 5-1-LA-325-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.88441 -118.4119</p>
<p>Roundhouse Marine Studies Lab/Aquarium End of Manhattan Beach Pier Manhattan Beach CA 90266 Phone: (310) 379-8117 Site Description: An aquarium and marine research facility located at the end of the Manhattan Beach Pier.</p>	<p>Site Number: 5-1-LA-330-D Operational Division: LA - E</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.88339 -118.41461</p>
<p>Hermosa Beach Hermosa Ave. & 33rd St. Hermosa Beach CA 90254 Phone: (424) 526-7777 Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-335-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.86908 -118.40416</p>
<p>Hermosa Beach Pier Pier Ave. & the Strand Hermosa Beach CA 90254 Phone: (310) 318-0239 Site Description: Pier - fishing.</p>	<p>Site Number: 5-1-LA-340-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.86229 -118.40016</p>
<p>King Harbor Marina 208 Yacht Club Way Redondo Beach CA 90277 Phone: (310) 376-6926 Site Description: Berthing: 837</p>	<p>Site Number: 5-1-LA-345-D Operational Division: LA - E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.8515 -118.39809</p>
<p>Portofino Hotel and Marina 260 Portofina Way Redondo Beach CA 90277 Phone: (310) 421-4195 Site Description: Berthing: 234</p>	<p>Site Number: 5-1-LA-355-D Operational Division: LA - E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.84579 -118.39737</p>
<p>Port Royal Marina 555 N. Harbor Dr. Redondo Beach CA 90277 Phone: (310) 376-0431 Site Description: Berthing: 348</p>	<p>Site Number: 5-1-LA-360-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.84504 -118.39258</p>
<p>King Harbor Marina W. of Harbor Dr. Redondo Beach CA 90277 Phone: (310) 376-6926 Site Description: Harbor with public boat slips, marine supplies, fuel docks, charter fishing, shops, restaurants, and hotels. See following pages for economical sites within King Harbor.</p>	<p>Site Number: 5-1-LA-370-D Operational Division: LA - E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.84145 -118.39475</p>
<p>Redondo Beach Marina 181 N. Harbor Dr. Redondo Beach CA 90277 Phone: (310) 374-3481 Site Description: Berthing: 58</p>	<p>Site Number: 5-1-LA-375-D Operational Division: LA - E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.84198 -118.39234</p>

Economic Sites - North Los Angeles County




Site Information	Site Number & Location	Lat/Long & Priority
<p>Redondo Beach Pier 100 W. Torrance Blvd. Redondo Beach CA 90277 Phone:</p> <p>Site Description: Pier - restaurants, shopping, entertainment, and fishing.</p>	<p>Site Number: 5-1-LA-380-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.8397 -118.38998</p>
<p>Monstad Pier 100 W. Torrance Blvd. Redondo Beach CA 90277 Phone:</p> <p>Site Description: Pier - restaurants, shopping, entertainment, and fishing.</p>	<p>Site Number: 5-1-LA-385-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.83887 -118.39075</p>
<p>Redondo Beach 400 - 1700 Esplanade Redondo Beach CA 90277 Phone: (424) 526-7777</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-390-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.82555 -118.39013</p>
<p>Torrance Beach 387 Paseo de la Playa Torrance CA 90501 Phone: (424) 526-7777</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-395-D Operational Division: LA - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.81317 -118.39012</p>
<p>Malaga Cove 300 block of Paseo Del Mar Palos Verdes Estates CA 90274 Phone:</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-400-D Operational Division: LA - F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.80206 -118.39572</p>
<p>White Point Beach/Royal Palms 1799 Paseo Del Mar San Pedro CA 90732 Phone:</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-1-LA-405-D Operational Division: LA - F</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.7166 -118.3187</p>


1018 South Los Angeles County (GRA 2)

Los Angeles County GRA2 begins at the Port of Los Angeles and extends south approximately 15 miles to the border of Orange County. Most of the shoreline in GRA 2 is fine grain sandy beach habitat with sheltered solid man-made structures in the port complex. 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.

Access to GRA2 is available shoreside from most City, County, and State Beach parking lots and city streets. The nearest harbors are located in the cities of Los Angeles and Long Beach. Conditions in the San Pedro 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.



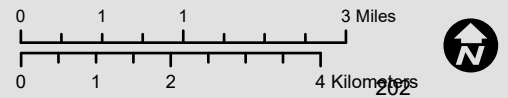
-  Environmental Sensitive Sites
-  Breakwater
-  Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR GIS NAD_1983_California_Teale_Albers
 Requestor: C. Shinn
 Author: G. Ewing
 Date Created: 1/31/2024 ACP 4/5 Annex C

ACP 5 - GRA 2

Environmental Sensitive Sites

South Los Angeles County



1018.1 Response Summary Tables

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

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
	Staff	Staff to Deploy		4
	Anchor	Danforth	40 lb	5
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				
	Anchor	Danforth	40 lbs	1
	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
.2 - Exclude Oil				
	Vessel	Boom Boat or Skiff		2
	Boom	Harbor Boom	18 or 24 inch	1800 feet
	Staff	Staff to Deploy		5
	Anchor	Danforth	40 lbs	10
5-260 Alamitos Bay/Los Cerritos Wetlands				
.1 - Exclude Oil				
	Boom	Harbor Boom	18 or 24 inch	800 feet
	Vessel	Boom Boat		1
	Staff	Staff to Deploy		4
.2 - Exclude Oil				
	Staff	Staff to Deploy		2
	Vessel	Boom Boat		1
	Anchor	Danforth	40 lb	1
	Boom	Harbor Boom	18 or 24 inch	500 feet
.3 - Exclude Oil				
	Staff	Staff to Deploy		2
	Anchor	Danforth	40 lb	1
	Boom	Harbor Boom	18 or 24 inch	400 feet
	Vessel	Boom Boat		1
5-270 San Gabriel River				
.1 - Exclude Oil				
	Boom	Harbor Boom	18 inch	500 feet
	Staff	Staff to Deploy		6
	Vessel	Skiff or Punt		1
.2 - Exclude Oil				
	Staff	Staff to Deploy		2
	Vessel	Skiff or Punt		1
	Boom	Harbor Boom	18 inch	100 feet

1018.2 GRA 2 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
5-000-A	ACP 5 Sandy Beaches	5-000-A	Not Available
5-210-A	Cabrillo Beach Wetlands	5-210-A	Cabrillo Beach Wetlands
5-220-A	Los Angeles Harbor Breakwater	5-220-A	Los Angeles Harbor Breakwater
5-230-A	Middle Breakwater	5-230-A	Middle Breakwater
5-240-A	Long Beach Harbor Breakwater	5-240-A	Long Beach Harbor Breakwater
5-250-A	Golden Shore Marine Reserve	5-250-A	Golden Shore Marine Reserve
5-260-A	Alamitos Bay/Los Cerritos Wetlands	5-260-A	Alamitos Bay/Los Cerritos Wetlands
5-270-A	San Gabriel River	5-270-A	San Gabriel River

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.

1018.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - South Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Los Angeles Harbor West end of San Pedro Bay</p> <p>Phone: (310) 732-7678</p> <p>Site Description: 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.</p>	<p>Site Number: 5-2-LA-100-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.70965 -118.2483</p>
<p>Cabrillo Beach Fishing Pier 3720 Stephen M. White Dr. San Pedro CA 90731</p> <p>Phone: (310) 548-2909</p> <p>Site Description: Pier - fishing.</p>	<p>Site Number: 5-2-LA-104-D Operational Division: LA -G</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.70803 -118.27767</p>
<p>Cabrillo Beach 3720 Stephen M. White Dr. San Pedro CA 90731</p> <p>Phone: (310) 548-2909</p> <p>Site Description: Beach - day use and public boat launch ramp.</p>	<p>Site Number: 5-2-LA-105-D Operational Division: LA -G</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.71159 -118.28312</p>
<p>Cabrillo Marine Aquarium 3720 Stephen M. White Dr. San Pedro CA 90731</p> <p>Phone: (310) 548-7562</p> <p>Site Description: Marine aquarium.</p>	<p>Site Number: 5-2-LA-110-D Operational Division: LA -G</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.71146 -118.28543</p>
<p>Cabrillo Marina 224 Whalers Walk San Pedro CA 90733</p> <p>Phone: (310) 732-2252</p> <p>Site Description: LA Berths 29 - 33. Berthing: 885</p>	<p>Site Number: 5-2-LA-115-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.71825 -118.27983</p>
<p>Holiday Harbor-San Pedro 241 Watchorn Walk, Berth 34 San Pedro CA 90731</p> <p>Phone: (310) 833-4468</p> <p>Site Description: Berthing: 300</p>	<p>Site Number: 5-2-LA-120-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72273 -118.28216</p>
<p>Cabrillo Landing 291 W. 22nd St. San Pedro CA 90731</p> <p>Phone: (310) 519-1694</p> <p>Site Description: Berthing: 200</p>	<p>Site Number: 5-2-LA-125-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72386 -118.28339</p>
<p>Cabrillo Beach Yacht Club 211 W. 22nd St. San Pedro CA 90833</p> <p>Phone: (310) 519-1694</p> <p>Site Description: LA Berth 35. Berthing: 157.</p>	<p>Site Number: 5-2-LA-130-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72426 -118.28212</p>
<p>Cabrillo Way Marina 2293 Miner St San Pedro CA 90833</p> <p>Phone: (310) 514-4985</p> <p>Site Description: LA Berths 42 - 43. Berthing: 438</p>	<p>Site Number: 5-2-LA-140-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.71895 -118.27659</p>
<p>LA City Fire Station 110 2945 Miner St., Berth 44-A San Pedro CA 90731</p> <p>Phone: (310) 548-7545</p> <p>Site Description: Berth 43. Fire boat #5.</p>	<p>Site Number: 5-2-LA-145-D Operational Division: LA -G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.71702 -118.27636</p>

Economic Sites - South Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>U.S. Water Taxi Berth 60, Signal St. San Pedro CA 90731 Phone: (310) 519-8230 Site Description: LA Berth 60</p>	<p>Site Number: 5-2-LA-151-D Operational Division: LA -G</p>	<p>Public Transit Ferries D Lat/Long: 33.71982 -118.27291</p>
<p>San Pedro Marina 950 Samson Way, Berth 80 San Pedro CA 90731 Phone: Site Description: Berthing: 86</p>	<p>Site Number: 5-2-LA-165-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.73673 -118.27816</p>
<p>LA City Fire Station 112 444 S. Harbor Blvd., Berth 86 San Pedro CA 90731 Phone: (310) 548-7542 Site Description: LA Berths 85 - 86. Fire boat #2.</p>	<p>Site Number: 5-2-LA-170-HHS Operational Division: LA -G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.73858 -118.27827</p>
<p>Southern California Marine Inst. 820 S. Seaside Ave. Terminal Island CA 90731 Phone: (562) 985-3172 Site Description: Research facility with fish tanks.</p>	<p>Site Number: 5-2-LA-185-D Operational Division: LA -G</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.73607 -118.27031</p>
<p>SoCal Ship Services 971 S. Seaside Ave. Terminal Island CA 90731 Phone: (310) 519-8411 Site Description: LA Berth 240X. Various services to the marine industry, including spill response.</p>	<p>Site Number: 5-2-LA-190-HHS Operational Division: LA -G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.73525 -118.2708</p>
<p>Al Larson's Marina 1046 S Seaside Ave/Berth 258 Terminal Island CA 90731 Phone: (310) 514-4100 Site Description: LA Berth 258. Berthing: 128.</p>	<p>Site Number: 5-2-LA-205-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.73236 -118.2682</p>
<p>LA City Fire Station 111 1444 S. Seaside. Ave., Berth 256 San Pedro CA 90731 Phone: (310) 548-7541 Site Description: Fire boat #1.</p>	<p>Site Number: 5-2-LA-210-HHS Operational Division: LA -G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.73009 -118.26781</p>
<p>Catalina Express Terminal 385 E. Swinford Street San Pedro CA 90731 Phone: (800) 613-1212 Site Description: Passenger boat to Santa Catalina Island.</p>	<p>Site Number: 5-2-LA-220-D Operational Division: LA -G</p>	<p>Public Transit Ferries D Lat/Long: 33.74866 -118.28013</p>
<p>Port of Los Angeles Phone: (310) 732-3508 Site Description: LA Berth 155. Warehouse facilities.</p>	<p>Site Number: 5-2-LA-255-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.75789 -118.27005</p>
<p>LA City Fire Station 49 400 Yacht St., Berth 194 Wilmington CA 90744 Phone: (310) 548-7549 Site Description: Between Berths 194 and 195. Fire boats #4 and #49.</p>	<p>Site Number: 5-2-LA-290-HHS Operational Division: LA -G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.76541 -118.2555</p>

Economic Sites - South Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Leeward Bay Marina 611 Henry Ford Ave. Wilmington CA 90744 Phone: (310) 830-5621 Site Description: Berthing: 190</p>	<p>Site Number: 5-2-LA-300-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.77703 -118.24264</p>
<p>Island Yacht Anchorage 2 700 Shore Rd Wilmington CA 90744 Phone: (310) 830-1111 Site Description: Berthing: 125</p>	<p>Site Number: 5-2-LA-305-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.77353 -118.24665</p>
<p>Holiday Harbor-Wilmington Berth 201, 701 Shore Rd. Wilmington CA 90744 Phone: (310) 835-3952 Site Description: Berthing: 169</p>	<p>Site Number: 5-2-LA-310-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76844 -118.25013</p>
<p>California Yacht Marina Berth 202, #36 Wilmington CA 90744 Phone: (310) 626-1854 Site Description: Berthing: 266</p>	<p>Site Number: 5-2-LA-315-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76731 -118.25102</p>
<p>Yacht Haven Berth 202, 722 Peninsula Rd. Wilmington CA 90744 Phone: (310) 834-6892 Site Description: Berthing: 165</p>	<p>Site Number: 5-2-LA-320-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76731 -118.24991</p>
<p>Pacific Yacht Landing Berth 203 Wilmington CA 90744 Phone: (310) 830-0260 Site Description: Berthing: 178</p>	<p>Site Number: 5-2-LA-325-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76632 -118.24819</p>
<p>Newmark's Yacht Center Berth 204, 761 Peninsula Road Wilmington CA 90744 Phone: (310) 834-2830 Site Description: Berthing: 250</p>	<p>Site Number: 5-2-LA-330-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76457 -118.24856</p>
<p>Lighthouse Yacht Club 1300 Anchorage Rd., Berth 205-B Wilmington CA 90744 Phone: (310) 834-9595 Site Description: Berthing: 70</p>	<p>Site Number: 5-2-LA-340-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76559 -118.24497</p>
<p>Cerritos Yacht Anchorage 1400 Anchorage Rd Wilmington CA 90744 Phone: (310) 834-4737 Site Description: Berthing: 90</p>	<p>Site Number: 5-2-LA-345-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76607 -118.24345</p>
<p>Island Yacht Anchorage 1 1500 Anchorage Rd #205d Wilmington CA 90744 Phone: (310) 830-1111 Site Description: Berthing: 100</p>	<p>Site Number: 5-2-LA-350-D Operational Division: LA -G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76648 -118.2414</p>

Economic Sites - Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Long Beach Harbor</p> <p>Phone: (562) 283-7000</p> <p>Site Description: Harbor - cargo and passenger terminals, bait, tackle, marinas, boat launches, and marine supplies. See following pages for economical sites within Long Beach Harbor.</p>	<p>Site Number: 5-2-LA-400-D Operational Division: LA-G</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72329 -118.18348</p>
<p>Marine Spill Response Corp. Pier C, Berth 57 Long Beach CA 90802 Phone: (562) 981-7600</p> <p>Site Description: LB C57. Oil Spill Response Vessels.</p>	<p>Site Number: 5-2-LA-460-HHS Operational Division: LA-H</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.77232 -118.2107</p>
<p>National Response Corp. Pier D, Berth 47 Long Beach CA 90802 Phone: (562) 432-1304</p> <p>Site Description: LB D48. Environmental Services and Oil Spill Response Company.</p>	<p>Site Number: 5-2-LA-470-HHS Operational Division: LA-H</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.76961 -118.21128</p>
<p>Long Beach City Fire Station #20 331 Pier D Ave W Long Beach CA 90802 Phone: (562) 591-7631</p> <p>Site Description: Fire boat #20.</p>	<p>Site Number: 5-2-LA-485-HHS Operational Division: LA-G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.76502 -118.22055</p>
<p>Long Beach City Fire Station #15 Pier F, Berth 202 Long Beach CA 90802 Phone: (562) 591-7631</p> <p>Site Description: LB F202. Fire boat #15.</p>	<p>Site Number: 5-2-LA-535-HHS Operational Division: LA-G</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.74748 -118.21545</p>
<p>Catalina Express Terminal 320 Golden Shore Blvd. Long Beach CA 90802 Phone: (800) 995-4386</p> <p>Site Description: Passenger boat to Santa Catalina Island.</p>	<p>Site Number: 5-2-LA-580-D Operational Division: LA-H</p>	<p>Public Transit Ferries D Lat/Long: 33.76317 -118.19924</p>
<p>Aquarium of the Pacific 100 Aquarium Way Long Beach CA 90802 Phone: (562) 590-3100</p> <p>Site Description: Marine aquarium.</p>	<p>Site Number: 5-2-LA-601-D Operational Division: LA-H</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.76205 -118.197</p>
<p>Rainbow Harbor 200 Aquarium Way Long Beach CA 90802 Phone: (562) 570-4950</p> <p>Site Description: Sportfishing charters, yacht charters, tour boats, and water taxis.</p>	<p>Site Number: 5-2-LA-605-D Operational Division: LA-H</p>	<p>Public Transit Ferries D Lat/Long: 33.76207 -118.19141</p>
<p>Long Beach Shoreline Marina 450 E. Shoreline Dr. Long Beach CA 90802 Phone: (562) 570-4950</p> <p>Site Description: Berthing 1830</p>	<p>Site Number: 5-2-LA-615-D Operational Division: LA-H</p>	<p>Public Marinas and Harbors D Lat/Long: 33.7596 -118.18492</p>
<p>Alamitos Beach Belmont Pier to Alamitos Bay Long Beach CA 90803 Phone:</p> <p>Site Description: Beach - day use. From 33.75799 118.14825 to 33.74422 118.11795.</p>	<p>Site Number: 5-2-LA-625-D Operational Division: LA-H</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.75799 -118.14825</p>

Economic Sites - South Los Angeles County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Long Beach City Beach 1 Junipero Ave. Long Beach CA 90803 Phone:</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-2-LA-630-D Operational Division: LA -H</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.45378 -118.91834</p>
<p>Belmont Shore Alamitos Ave. to Belmont Pier Long Beach CA 90803 Phone:</p> <p>Site Description: Beach - day use. From 33.76206 118.18152 to 33.75799 118.14825.</p>	<p>Site Number: 5-2-LA-635-D Operational Division: LA -H</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.75928 -118.15054</p>
<p>Belmont Veterans Memorial Pier Ocean Blvd. & 39th Pl. Long Beach CA 90809 Phone: (562) 570-3100</p> <p>Site Description: Pier.</p>	<p>Site Number: 5-2-LA-640-D Operational Division: LA -H</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.75659 -118.14848</p>
<p>Alamitos Bay 205 N Marina Dr Long Beach CA 90803 Phone: (562) 570-3215</p> <p>Site Description: Protected embayment with marinas, beaches, and marine repair.</p>	<p>Site Number: 5-2-LA-660-D Operational Division: LA -H</p>	<p>Lat/Long: 33.74147 -118.11842</p>
<p>Alamitos Bay Marina 205 Marina Dr. Long Beach CA 90803 Phone: (562) 570-3215</p> <p>Site Description: Berthing: 1975</p>	<p>Site Number: 5-2-LA-665-D Operational Division: LA -H</p>	<p>Public Marinas and Harbors D Lat/Long: 33.74977 -118.11194</p>
<p>Long Beach Fire City Station #21 225 Marina Dr. Long Beach CA 90803 Phone: (562) 591-7631</p> <p>Site Description: Fire and Lifeguards</p>	<p>Site Number: 5-2-LA-670-HHS Operational Division: LA -H</p>	<p>First Responders' On Water Facilities HHS Lat/Long: 33.75072 -118.1135</p>
<p>Marine Park/Mother's Beach 5839 Appian Way Long Beach CA 90803 Phone: (562) 477-6820</p> <p>Site Description: Beach - day use.</p>	<p>Site Number: 5-2-LA-685-D Operational Division: LA -H</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.75801 -118.11918</p>
<p>Cerritos Bahia Marina 6289 E. Pacific Coast Highway Long Beach CA 90803 Phone: (562) 431-6575</p> <p>Site Description: Berthing: 276</p>	<p>Site Number: 5-2-LA-695-D Operational Division: LA -H</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76557 -118.11474</p>
<p>M.P. Boat Slips Co. 6201 E. 2nd St. Long Beach CA 90803 Phone: (562) 498-7318</p> <p>Site Description: Berthing: 198</p>	<p>Site Number: 5-2-LA-700-D Operational Division: LA -H</p>	<p>Public Marinas and Harbors D Lat/Long: 33.76277 -118.11389</p>

1019 Orange County (GRA 3)

Orange County GRA 3 begins at the border between Los Angeles and Orange Counties and extends south approximately 40 miles to the San Diego County line. Most of the shoreline in this GRA is fine grain sandy beach habitat along with exposed rocky shores and exposed wave-cut platforms. 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.

Access to GRA 3 is available from State, County, and City beaches along Pacific Coast Highway. The Navy may impose security restrictions in Anaheim Bay (Seal Beach National Wildlife Refuge). Primary boom placement is under the control of the Seal Beach Naval Weapons Station Commanding Officer.

Map: ACP 5 GRA 3 Orange County

1019.1 Response Summary Tables

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

Summary of ACP 5 GRA 3 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
5-310	Anaheim Bay (Seal Beach National Wildlife Refuge)			
.1 - Exclude Oil				
	Staff	Staff to Deploy		6
	Boom	Harbor Boom	18 or 24 inch	1700 feet
	Anchor	Danforth	40 lbs	4
	Vessel	Boom Boat		1
	Vessel	Skiff		1
.2 - Exclude Oil				
	Boom	Ocean Boom	42 inch	1500 feet
	Vessel	Boom Boat		4
	Staff	Staff to Deploy		4
.3 - Exclude Oil				
	Boom	Harbor Boom	18 inch	1500 feet
	Vessel	Boom Boat		2
	Anchor	Danforth	40 lbs	4
	Staff	Staff to Deploy		4
	Vessel	Skiff or Punt		2
	Stakes			8
5-320	Inner Bolsa Chica			
.1 - Exclude Oil				
	Vessel	Boom Boat		1
	Anchor	Danforth	40 lbs	4
	Boom	Harbor Boom	18 or 24 inch	1500 feet
	Staff	Staff to Deploy		4
.2 - Exclude Oil				
	Boom	Harbor Boom	18 or 24 inch	300 feet
	Staff	Staff to Deploy		4
	Vessel	Boom Boat		1
5-325	Bolsa Chica - Restored Wetlands			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART				
.2 - Divert Oil				
	Anchor	Danforth	40 lbs	4
	Vessel	Skiff or Punt		1
	Stakes			2
	Vessel	Work Boat		1
	Other Boom		18 inch	2400 feet
	Staff	Staff to Deploy		4
.3 - Divert Oil				
	Other Boom		18 inch	1700 feet
	Stakes			2
	Vessel	Work Boat		1
	Vessel	Skiff or Punt		1
	Anchor	Danforth	40 lbs	3
	Staff	Staff to Deploy		4

Site Site Name

Sub-Strategy PREVENTION OBJECTIVE OR CONDITION FOR DEPLOYMENT

Equipment	Sub-Type	Size/Unit	QTY/Unit
5-330 Talbert Marsh			
.1 - Exclude Oil			
Staff			2
Bulldozer			1
.2 - Exclude Oil			
Boom	Harbor Boom	18 or 24 inch	600 feet
Staff	Staff to Deploy		4
Stakes			2
Vessel	Skiff or Punt		1
.3 - Exclude Oil			
Boom	Harbor Boom	18 or 24 inch	1000 feet
Personnel			8
Vessel	Skiff or Punt		1
5-340 Newport Slough Wetland			
.1 - Exclude Oil			
Vessel	Skiff	1	
Staff	Staff to Deploy		4
Anchor	Danforth	22 lb	4
Boom	Harbor Boom	18 inch	400 ft
.2 - Exclude Oil			
Staff	Staff to Deploy		4
Boom	Harbor Boom	18 inch	300 ft
Anchor	Danforth	22 lb	4
Vessel	Skiff	1	
5-350 Santa Ana River			
.1 - Exclude Oil			
Staff	Staff to Deploy		2
Bulldozer			1
.2 - Exclude Oil			
Stakes			2
Staff	Staff to Deploy		4
Vessel	Skiff or Punt		1
Anchor	Danforth	40 lbs	1
Boom	Harbor Boom	18 or 24 feet	600 feet
.3 - Exclude Oil			
Anchor	Danforth	40 lbs	1
Vessel	Skiff or Punt		1
Stakes			2
Staff	Staff to Deploy		4
Boom	Harbor Boom	18 or 24 feet	800 feet
5-360 Lower Newport Bay			
.1 - Exclude Oil			
Boom	Harbor Boom	18 or 24 inch	1600 feet
Vessel	Boom Boat		1
Staff	Staff to Deploy		4
5-365 Upper Newport Bay			
.1 - Exclude Oil			
Boom	Harbor Boom	18 or 24 inch	1000 feet
Vessel	Boom Boat		1
Staff	Staff to Deploy		4
5-370 Aliso Creek			
.1 - Exclude Oil			
Boom	Harbor Boom	18 or 24 inch	200 feet
Staff	Staff to Deploy		2
Vessel	Skiff or Punt		1
Skiploader			

Site *Site Name*

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

Equipment	Sub-Type	Size/Unit	QTY/Unit
5-380 Dana Point			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-385 Dana Point Breakwater			
.1 - No Onsite Options: Consider Offshore Containment/Recovery/ART			
5-390 San Juan Creek			
.1 - Exclude Oil			
Bulldozer			1
Staff	Staff to Deploy		2
.2 - Exclude Oil			
	Fencing		1000 feet
Staff	Staff to Deploy		10
Stakes			
Staff	Staff to Tend		2

1019.2 GRA 3 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
5-000-A	ACP 5 Sandy Beaches	5-000-A	Not Available
5-310-A	Anaheim Bay (Seal Beach National Wildlife Refuge)	5-310-A	Anaheim Bay (Seal Beach National Wildlife Refuge)
5-320-A	Inner Bolsa Chica	5-320-A	Inner Bolsa Chica
5-325-A	Bolsa Chica - Restored Wetlands	5-325-A	Bolsa Chica - Restored Wetlands
5-330-A	Talbert Marsh	5-330-A	Talbert Marsh
5-340-A	Newport Slough Wetland	5-340-A	Newport Slough Wetland
5-350-A	Santa Ana River	5-350-A	Santa Ana River
5-360-A	Lower Newport Bay	5-360-A	Lower Newport Bay
5-365-A	Upper Newport Bay	5-365-A	Upper Newport Bay
5-370-A	Aliso Creek	5-370-A	Aliso Creek
5-380-B	Dana Point	5-380-A	Dana Point
5-385-AC	Dana Point Breakwater	5-385-AC	Dana Point Breakwater
5-390-A	San Juan Creek	5-390-A	San Juan Creek

5-000-A Site Summary - ACP 5 Sandy Beaches**5-000-A****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.

1019.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - Orange County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Bolsa Chica State Beach 17851 Pacific Coast Highway Huntington Beach CA 92649 Phone: (714) 377-5691 Site Description: Beach - day use with parking fee.</p>	<p>Site Number: 5-3-OR-135-D Operational Division: OR -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.6956 -118.04751</p>
<p>Seal Beach Pier 1 Main St. Seal Beach CA 90740 Phone: (562) 430-2613 Site Description: Pier - fishing and small restaurant.</p>	<p>Site Number: 5-3-OR-100-D Operational Division: OR -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.73995 -118.10584</p>
<p>Seal Beach 888 Ocean Ave. Seal Beach CA 90740 Phone: (562) 430-2613 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-105-D Operational Division: OR -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.73836 -118.10471</p>
<p>Sunset Beach W. of Pacific Ave. Sunset Beach CA 92649 Phone: Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-110-D Operational Division: OR -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.7172 -118.0718</p>
<p>Huntington Harbor E. of Pacific Coast Highway Huntington Beach CA 92649 Phone: (714) 433-6400 Site Description: Harbor- residential harbor, marinas, launch ramps, fuel dock, and restaurants.</p>	<p>Site Number: 5-3-OR-115-D Operational Division: OR -A</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72558 -118.07402</p>
<p>Sunset Aquatic Marina 2901 Edinger Ave., A Huntington Beach CA 92649 Phone: (562) 539-6649 Site Description: Berthing: 346</p>	<p>Site Number: 5-3-OR-120-D Operational Division: OR -A</p>	<p>Public Marinas and Harbors D Lat/Long: 33.7279 -118.07534</p>
<p>Peter's Landing Marina 16400 Pacific Coast Highway, Ste 108 Huntington Beach CA 92649 Phone: (714) 840-1387 Site Description: Berthing: 325</p>	<p>Site Number: 5-3-OR-125-D Operational Division: OR -A</p>	<p>Public Marinas and Harbors D Lat/Long: 33.72474 -118.07727</p>
<p>Huntington Harbor Marina 4281 Warner Ave. Huntington Beach CA 92649 Phone: (714) 862-2688 Site Description: Berthing: 168</p>	<p>Site Number: 5-3-OR-130-D Operational Division: OR -A</p>	<p>Public Marinas and Harbors D Lat/Long: 33.712 -118.05242</p>
<p>Huntington Beach Pier 60 Main St. Huntington Beach CA 92648 Phone: (714) 536-5281 Site Description: Pier - fishing and restaurants.</p>	<p>Site Number: 5-3-OR-140-D Operational Division: OR -A</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.65713 -118.00193</p>
<p>Huntington City Beach 103 Pacific Coast Highway Huntington Beach CA 92648 Phone: (714) 536-5281 Site Description: Beach - day use with parking fee.</p>	<p>Site Number: 5-3-OR-145-D Operational Division: OR -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.64831 -117.98853</p>

Economic Sites - Orange County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Huntington State Beach 22045 Pacific Coast Highway Huntington Beach CA 92646 Phone: (714) 536-1454 Site Description: Beach - day use with parking fee.</p>	<p>Site Number: 5-3-OR-150-D Operational Division: OR -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.63937 -117.97374</p>
<p>Newport Beach West of Ocean Front Newport Beach CA 92663 Phone: (949) 644-3309 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-155-D Operational Division: OR -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.62233 -117.94301</p>
<p>Newport Beach Pier Oceanfront and 21st St. Newport Beach CA 92663 Phone: (949) 644-3309 Site Description: Pier - fishing.</p>	<p>Site Number: 5-3-OR-165-D Operational Division: OR -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.60814 -117.92906</p>
<p>Balboa Pier 1 Balboa Pier Newport Beach CA 92661 Phone: (949) 644-3309 Site Description: Pier - fishing.</p>	<p>Site Number: 5-3-OR-170-D Operational Division: OR -B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.60111 -117.89993</p>
<p>Newport Harbor N.E. of Balboa Ave. Newport Beach CA 92661 Phone: (949) 270-8159 Site Description: Harbor - residential and commercial piers, sport fishing charters, fuel docks, moorings, bait, tackle, marinas, boats, boat repair. See following pages for economical sites within Newport Harbor.</p>	<p>Site Number: 5-3-OR-175-D Operational Division: OR -B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.5949 -117.87973</p>
<p>Balboa Island Ferry 510 Palm St. Newport Beach CA 92661 Phone: (949) 673-1070 Site Description: Berthing: 22</p>	<p>Site Number: 5-3-OR-180-D Operational Division: OR -B</p>	<p>Public Transit Ferries D Lat/Long: 33.6036 -117.9001</p>
<p>Newport Harbor Yacht Club 720 W. Bay Street Newport Beach CA 92661 Phone: (949) 673-7730 Site Description: Private slips and guest moorings.</p>	<p>Site Number: 5-3-OR-187-D Operational Division: OR -B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.60547 -117.90969</p>
<p>American Legion Yacht Club 215 15th Street Newport Beach CA 92661 Phone: (949) 673-5070 Site Description: Berthing: 48</p>	<p>Site Number: 5-3-OR-190-D Operational Division: OR -B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.60806 -117.92097</p>
<p>Vista Del Lido 611 Lido Park Dr. Newport Beach CA 92663 Phone: (949) 675-6244 Site Description: Berthing: 14</p>	<p>Site Number: 5-3-OR-200-D Operational Division: OR -B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61546 -117.92625</p>
<p>Lido Yacht Anchorage & Dry Storage 151 Shipyard Wat Newport ca 92660 Phone: (949) 673-9330 Site Description: Public marina.</p>	<p>Site Number: 5-3-OR-210-D Operational Division: OR -B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61202 -117.9258</p>

Economic Sites - Orange County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Newport Marina 3335 W. Coast Highway Newport Beach CA 92663 Phone: (949) 642-4644 Site Description: Berthing: 34</p>	<p>Site Number: 5-3-OR-215-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.62067 -117.92762</p>
<p>Port Calypso Marina 2633 W. Coast Highway Newport Beach CA 92663 Phone: (949) 645-6900 Site Description: Berthing: 45</p>	<p>Site Number: 5-3-OR-220-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61909 -117.92184</p>
<p>Balboa Bay Club 1221 W. Coast Highway Newport Beach CA 92663 Phone: (949) 645-5000 Site Description: Berthing: 135</p>	<p>Site Number: 5-3-OR-245-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61581 -117.91475</p>
<p>Bayshore Marina 2572 Bayshore Dr. Newport Beach CA 92660 Phone: (949) 721-0111 Site Description: Berthing: 134</p>	<p>Site Number: 5-3-OR-250-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61595 -117.90099</p>
<p>Bayshore Apartments & Newport Marina 2888 Bay Shore Dr. Newport Beach CA 92663 Phone: (949) 825-5250 Site Description: Berthing: 56</p>	<p>Site Number: 5-3-OR-255-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61591 -117.90749</p>
<p>Balboa Marina 201 E. Coast Highway Newport Beach CA 92660 Phone: (949) 721-0111 Site Description: Berthing: 132</p>	<p>Site Number: 5-3-OR-260-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61592 -117.90011</p>
<p>Bayside Village 300 E. Coast Highway Newport Beach CA 92660 Phone: (949) 673-1331 Site Description: Berthing: 220</p>	<p>Site Number: 5-3-OR-265-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61769 -117.89975</p>
<p>Newport Dunes Marina 1299 N. Bayside Dr. Newport Beach CA 92660 Phone: (949) 729-1100 Site Description: Berthing: 430</p>	<p>Site Number: 5-3-OR-270-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61572 -117.89098</p>
<p>Villa Cove Marina 1099 Bayside Dr. Newport Beach CA 92660 Phone: (949) 721-0111 Site Description: Berthing: 42</p>	<p>Site Number: 5-3-OR-280-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61054 -117.89053</p>
<p>Bayside Marina 1137 Bayside Dr. Corona Del Mar CA 92625 Phone: (949) 721-0111 Site Description: Berthing: 97</p>	<p>Site Number: 5-3-OR-285-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.61091 -117.89012</p>

Economic Sites - Orange County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Bayside Drive County Beach 1401 Bayside Dr. Corona Del Mar CA 92640 Phone: (949) 644-3151 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-289-D Operational Division: OR - B</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.60411 -117.88381</p>
<p>Bahia Corinthian Yacht Club 1601 Bayside Dr. Corona Del Mar CA 92625 Phone: (949) 644-9530 Site Description: Berthing: 68</p>	<p>Site Number: 5-3-OR-290-E Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.60688 -117.88535</p>
<p>Balboa Yacht Club 1801 Bayside Dr. Corona Del Mar CA 92625 Phone: (949) 673-3515 Site Description: Berthing: 70</p>	<p>Site Number: 5-3-OR-300-D Operational Division: OR - B</p>	<p>Public Marinas and Harbors D Lat/Long: 33.6045 -117.88419</p>
<p>Kerckhoff Marine Lab 101 Dahlia Ave. Corona Del Mar CA 92625 Phone: (949) 675-5804 Site Description: Research - aquaculture.</p>	<p>Site Number: 5-3-OR-305-D Operational Division: OR - B</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.59735 -117.87786</p>
<p>China Cove Beach Ocean Blvd. and Fernleaf St. Corona Del Mar CA 92625 Phone: Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-310-D Operational Division: OR - C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.59738 -117.87874</p>
<p>Corona Del Mar State Beach Iris St. and Ocean Blvd. Corona Del Mar CA 92625 Phone: (949) 718-1859 Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-3-OR-315-D Operational Division: OR - C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.59454 -117.87472</p>
<p>Crystal Cove State Park 8471 N. Coast Highway Laguna Beach CA 92651 Phone: (949) 494-3539 Site Description: Beach and recreational park. Marine life refuge offshore.</p>	<p>Site Number: 5-3-OR-320-D Operational Division: OR - C</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.58282 -117.84938</p>
<p>Main Beach Park Broadway St. and Pacific Coast Highway Laguna Beach CA 92651 Phone: (949) 497-3311 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-325-D Operational Division: OR - D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.54273 -117.78555</p>
<p>Aliso Beach County Park 31131 S. Pacific Coast Highway Laguna Beach CA 92652 Phone: (949) 923-2280 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-330-D Operational Division: OR - D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.50989 -117.75135</p>
<p>Salt Creek Beach Park 33333 S. Coast Highway Dana Point CA 92629 Phone: (949) 923-2280 Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-335-D Operational Division: OR - D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.47709 -117.71921</p>

Economic Sites - Orange County

Site Information	Site Number & Location	Lat/Long & Priority
<p>Dana Strand Beach Park 34199 Selva Road Dana Point CA 92629 Phone: Site Description: Beach - day use.</p>	<p>Site Number: 5-3-OR-340-D Operational Division: OR -D</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.4692 -117.71548</p>
<p>Dana Point Harbor 34571 Golden Lantern Dana Point CA 92629 Phone: (949) 496-6137 Site Description: Harbor - Marinas, sportfishing charters, fuel docks, bait, tackle, boat launch, and marine supplies.</p>	<p>Site Number: 5-3-OR-345-D Operational Division: OR -E</p>	<p>Lat/Long: 33.45981 -117.69482</p>
<p>Ocean Institute 24200 Dana Point Harbor Dr. Dana Point CA 92629 Phone: (949) 496-2274 Site Description: Research and education center.</p>	<p>Site Number: 5-3-OR-350-D Operational Division: OR -E</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.46195 -117.70704</p>
<p>Dana Point Yacht Club 24399 Dana Dr. Dana Point CA 92629 Phone: (949) 496-2900 Site Description: Berthing: 15</p>	<p>Site Number: 5-3-OR-355-D Operational Division: OR -E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.46057 -117.70434</p>
<p>Dana West Yacht Club 24601 Dana Dr. Dana Point CA 92629 Phone: (949) 661-1185 Site Description: Berthing: 1</p>	<p>Site Number: 5-3-OR-360-D Operational Division: OR -E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.45889 -117.70012</p>
<p>Dana Point West Marina 24500 Dana Point Harbor Dr. Dana Point CA 92629 Phone: (949) 493-6222 Site Description: Berthing: 982</p>	<p>Site Number: 5-3-OR-365-D Operational Division: OR -E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.46233 -117.70005</p>
<p>Dana Point Marina Co. 34555 Casitas Place Dana Point CA 92629 Phone: (949) 496-6137 Site Description: Berthing: 1500</p>	<p>Site Number: 5-3-OR-370-D Operational Division: OR -E</p>	<p>Public Marinas and Harbors D Lat/Long: 33.46128 -117.69593</p>
<p>Capistrano Beach Park 35005 Beach Road Capo Beach CA 92675 Phone: (949) 923-2280 Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-3-OR-380-D Operational Division: OR -E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.45536 -117.66827</p>
<p>Doheny State Beach 25300 Dana Point Harbor Dr. Dana Point CA 92629 Phone: (949) 496-6171 Site Description: Beach - day use with fee.</p>	<p>Site Number: 5-3-OR-385-D Operational Division: OR -E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.46372 -117.68779</p>
<p>Poche Beach 2771 N. El Camino Real San Clemente CA 92672 Phone: (949) 492-0100 Site Description: Beach - day use and beach club.</p>	<p>Site Number: 5-3-OR-390-D Operational Division: OR -E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.44144 -117.64474</p>

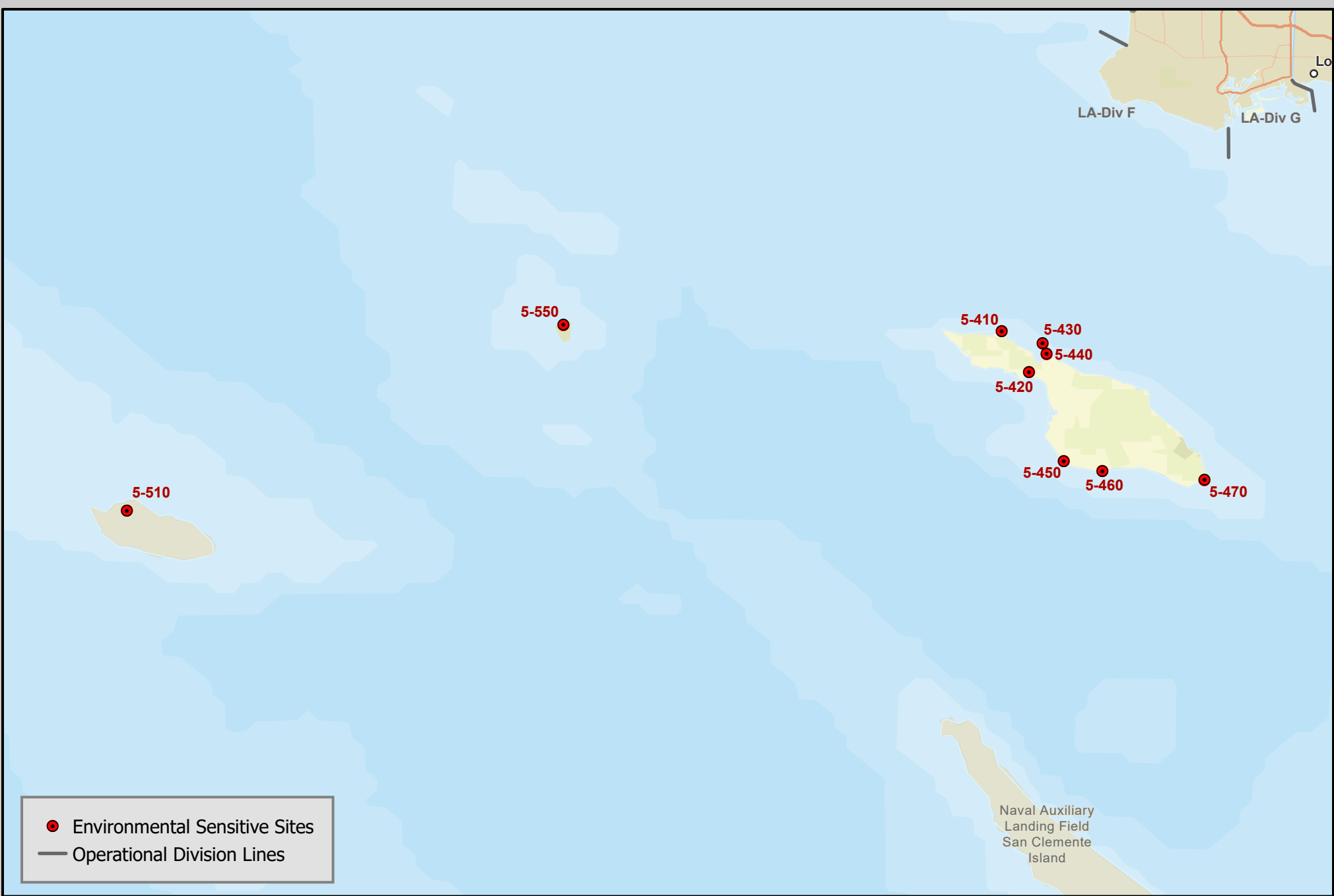
Economic Sites - Orange County



Site Information	Site Number & Location	Lat/Long & Priority
<p>San Clemente North Beach 1850 Avenida Estacion San Clemente CA 92672 Phone: (949) 361-8219 Site Description: Beach - day use and beach club.</p>	<p>Site Number: 5-3-OR-395-D Operational Division: OR - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.43082 -117.63165</p>
<p>San Clemente Pier 611 Avenida Victoria San Clemente CA 92672 Phone: (949) 361-8237 Site Description: Pier - fishing and restaurants.</p>	<p>Site Number: 5-3-OR-400-D Operational Division: OR - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.41969 -117.62014</p>
<p>San Clemente State Beach 225 Avenida Calafia San Clemente CA 92672 Phone: (949) 492-3156 Site Description: Beach - camping and day use with fee.</p>	<p>Site Number: 5-3-OR-405-D Operational Division: OR - E</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.40697 -117.60321</p>


1020 Southern Channel Islands (GRA 4)

GRA 4 consists of the Southern 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 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.



 Environmental Sensitive Sites
 Operational Division Lines


 Calif. Dept. of Fish and Wildlife
 Office of Spill Prevention and Response
 Data Source: OSPR GIS NAD_1983_California_Teale_Albers
 Requestor: C. Shinn
 Author: G. Ewing
 Date Created: 1/31/2024 ACP 4/5 Annex C


ACP 5 - GRA 4

Environmental Sensitive Sites Southern Channel Islands

Naval Auxiliary
 Landing Field
 San Clemente
 Island

0 4 9 17 Miles

0 6 13 25 Kilometers



1020.1 Response Summary Tables

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

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

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

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

<i>Site</i>	<i>Site Name</i>			
<i>Sub-Strategy</i>	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			

1020.2 GRA 4 Site Index

Site #	Site Name	Link to Strategy	Link to Area Photos
5-000-A	ACP 5 Sandy Beaches	5-000-A	Not Available
5-410-AB	Arrow Point - Catalina Island	5-410-AB	Not Available
5-420-AB	Catalina Island Harbor - Catalina Island	5-420-AB	Not Available
5-430-A	Ship Rock - Catalina Island	5-430-A	Not Available
5-440-A	Bird Rock - Catalina Island	5-440-A	Not Available
5-450-AB	China Point - Catalina Island	5-450-AB	Not Available
5-460-AB	Salta Verde Point - Catalina Island	5-460-AB	Not Available
5-470-AB	Seal Rocks - Catalina Island	5-470-AB	Not Available
5-510-A	San Nicolas Island	5-510-A	Not Available
5-550-AB	Santa Barbara Island	5-550-AB	Not Available

5-000-A Site Summary - ACP 5 Sandy Beaches**5-000-A****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.

1020.3 Lists of Economic Resources Susceptible to Oiling

A summary of Human Health and Safety Sites and Economic Resources is listed by GRA.

Economic Sites - Southern Channel Islands

Site Information	Site Number & Location	Lat/Long & Priority
<p>City of Avalon Harbor Dept. 22 Green Pleasure Pier Avalon CA 90704 Phone: (310) 510-0535 Site Description: Moorings: 400. Pier with concessions, diving, and fuel dock.</p>	<p>Site Number: 5-4-LA-100-D Operational Division:</p>	<p>Public Marinas and Harbors D Lat/Long: 33.34352 -118.32454</p>
<p>Crescent Beach 513 Crescent Ave Avalon CA 90704 Phone: (877) 778-8322 Site Description: Beach - many recreational uses.</p>	<p>Site Number: 5-4-LA-105-D Operational Division:</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.34421 -118.32522</p>
<p>Avalon Bay Phone: Site Description: Moorings, pleasure pier, cruise ship and passenger ferry drop off, diving supplies, and fuel dock.</p>	<p>Site Number: 5-4-LA-110-D Operational Division:</p>	<p>Public Marinas and Harbors D Lat/Long: 33.3457 -118.32601</p>
<p>Descanso Beach 1 St Catherine Way Avalon CA 90704 Phone: (310) 510-7410 Site Description: Beach - many recreational uses.</p>	<p>Site Number: 5-4-LA-115-D Operational Division:</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.35077 -118.32786</p>
<p>USC Wrigley Marine Science Center 1 Big Fisherman Cove Avalon CA 90704 Phone: (310) 510-0811 Site Description: Research facility and marine reserve for on-site projects.</p>	<p>Site Number: 5-4-LA-120-D Operational Division:</p>	<p>Aquariums and Marine Labs D Lat/Long: 33.44439 -118.48151</p>
<p>Little Fisherman's Cove Campground Avalon CA 90704 Phone: (877) 778-1487 Site Description: Beach - camping.</p>	<p>Site Number: 5-4-LA-125-D Operational Division:</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.44201 -118.49137</p>
<p>Two Harbors P.O. Box 5044 Two Harbors CA 90704 Phone: (310) 510-0303 Site Description: Moorings: 729</p>	<p>Site Number: 5-4-LA-130-D Operational Division:</p>	<p>Public Marinas and Harbors D Lat/Long: 33.44307 -118.49507</p>
<p>Isthmus Cove Phone: (310) 510-4254 Site Description: Beach, small vessel moorings, and shore landing.</p>	<p>Site Number: 5-4-LA-135-D Operational Division:</p>	<p>Public Marinas and Harbors D Lat/Long: 33.44248 -118.49831</p>
<p>Catalina Harbor Santa Catalina Island Two Harbors CA 90704 Phone: (310) 510-4254 Site Description: Beach, boat moorings, and shore landing.</p>	<p>Site Number: 5-4-LA-140-D Operational Division:</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.43604 -118.50152</p>
<p>Parson's Landing Campground West End Road Avalon CA 90704 Phone: (310) 510-4205 Site Description: Beach - camping and day use.</p>	<p>Site Number: 5-4-LA-145-D Operational Division:</p>	<p>Parks, Beaches, Recreational Areas D Lat/Long: 33.47291 -118.55064</p>

Economic Sites - Southern Channel Islands

Site Information

Site Number & Location

Lat/Long & Priority

Little Harbor Campground

Site Number: 5-4-LA-150-D
Operational Division:

Parks, Beaches, Recreational Areas **D**
Lat/Long: 33.38398 -118.47247

Phone:

Site Description: Beach - camping.
