



Liaison Update # 7

UPDATE: 10/08/21

OES Report # 21-5446; NRC Report # 1318463

INCIDENT INFORMATION

Name of Incident: Pipeline P00547 Incident

Location: Orange County, San Diego County

Product details: Crude Oil

***Note: This update reflects information from the situation unit updated at 1800hrs daily.**

INCIDENT UPDATE

Unified Command

The Unified Command continues its response to a crude oil spill in the vicinity of Orange and San Diego Counties. Cleanup and recovery efforts are ongoing. A Unified Command comprised of representatives of the United States Coast Guard (USCG), California Department of Fish and Wildlife's Office of Spill Prevention and Response (CDFW-OSPR), and BETA Offshore was established the afternoon of Saturday October 2. A representative of the County of Orange joined the Unified Command on Tuesday October 5 and a representative of San Diego County joined the Unified Command on Friday October 8 as Local Government On Scene Coordinators (LGOSCs). Coast Guard Capt. On Friday October 8, Captain Tim Barelli of Coast Guard Sector San Diego also joined the Unified Command as a Deputy Incident Commander.

Spill Source

The pipeline remains shut down, and the leak location has been identified. A small vacuum pump located on shore at the Beta Pump Station remains in place and operating, causing a small vacuum on the pipe to eliminate any remaining fluid in the pipe to be released. An approximately 4,000 foot section of the pipeline was moved. The maximum lateral deflection over this entire section is 105 feet. The weighted concrete coating on the pipe at the leak location has been damaged. A PHMSA Corrective Action Order remains in place which includes requirements for repair, testing, integrity assessment, metallurgical analysis, root-cause analysis, and start-up.

Sensitive Site Protection

On Saturday October 2, the Unified Command initiated protection of identified environmentally sensitive sites. Currently, protection strategies have been deployed at the following locations:

Orange County

Bolsa Chica Restored Wetlands, Talbert Marsh, Anaheim Bay, Newport Slough Wetland, Santa Ana River, Aliso Creek

San Diego County

The Santa Margarita River

Boom is staged for deployment, if necessary, at Inner Bolsa Chica and Upper Newport Bay. San Mateo Creek, San Onofre Creek, Las Flores Creek, and San Juan Creek are all protected as a result of natural sand berms, and subsequently do not require protection strategy deployment. On Friday October 8th, 2021, the berm at Talbert Marsh was breached to allow for oxygenation and the berm at the Santa Ana River will be breached tomorrow. Both locations will continue to have a booming strategy in place for site protection.

An updated map of protected sensitive sites will be provided as soon as possible.

Cleanup

Marine Spill Response Corporation (MSRC), Patriot Environmental, US Ecology, and West Coast Environmental, oil spill response organizations, remain on scene conducting skimming operations, deploying site protection strategies, implementing containment and recovery efforts, and performing shoreline cleanup. Today, skimming vessels concentrated their operations offshore of Huntington and Newport, and between 8-12 nautical miles offshore of San Clemente. They did not see or collect any oil from the water's surface today. Resources on-scene include over 1300 response personnel, 9 spill response vessels (7 MSRC, 2 USCG), and 4 aircraft. 11,400 feet of containment are currently deployed to protect environmentally sensitive sites, in addition to 660 feet of boom array for oil collection, with an additional 6,000 feet staged for deployment if necessary. 5,544 gallons of free product have been recovered as well as 13.5bbl of tar balls as of 1700 hours Friday October 8. Additionally, 192,500lbs of oily sand and debris have been collected from the shoreline.

Waste Management

The responsible party will recycle or dispose of all spill-related wastes generated as a result of this incident. The waste will be managed in an environmentally sound manner pursuant to applicable laws and regulations and disposed of in a timely manner. Transportation and disposal will be facilitated following proper segregation, storage, and quantification as required.

Contaminated waste shall be separated by waste stream type and location where the waste was recovered. Waste recovered from waters of the state or adjacent shorelines shall be stored separately from waste recovered elsewhere. Any material that is generated or recovered that may be categorized as hazardous waste, hazardous material, hazardous substance, radioactive, biohazard, or other regulated material shall be handled pursuant to applicable state, federal, and local laws and regulations.

A temporary waste storage site for the response is currently located at the Ship Services yard in Los Angeles Harbor.

SAFETY

Comprehensive COVID-19 protocols have been developed and implemented for both field operations and incident command post personnel. Precautions include thermal scans prior to entering the incident command post, face coverings, physical distancing when possible, and disinfecting supplies. The Safety Officer has developed a more in-depth COVID-19 plan for the response separate from the Site Safety Plan. The Safety Officer continues to evaluate work crew needs to minimize occupancy in the incident command post.

Community air monitoring is being conducted by CTEH, a third-party contractor specializing in worker and public health and safety and during and after emergency chemical releases. Air monitoring and sampling efforts include both continuous air monitoring and air sampling on a 24-hour basis. Air monitoring plans are drafted under the supervision of public health agencies working in the Public Health Assessment Unit. On Monday, October 4, air monitoring personnel were deployed to the shoreline from Huntington Beach to San Clemente. There continue to be no detections of any hazardous constituent in the community at this time. Air monitoring equipment measures volatile organic compounds (VOCs), benzene and related compounds, hydrogen sulfide, and atmospheric flammability expressed as the lower explosive limit (LEL).

Additionally, air samples are currently being collected at 12 sites spanning from Long Beach to Dana Point. 10 personnel working continuously 24 hours a day are performing roving air monitoring, also from Long Beach to Dana Point. On Monday October 4th, an H₂S level was noted during monitoring at Talbert Marsh; it is not believed that this hit was related to this incident. The hit that was received was in the vicinity of a sewer entry, a dog park, and existing industry. Hundreds of additional samples have been taken to attempt to locate the source, however no additional hits have been documented.

PUBLIC HEALTH ASSESSMENT

The Unified Command has established a Public Health Assessment Unit to coordinate the efforts of local, state, and federal public health agencies. The unit coordinates representatives of the Orange County Environmental Health Division, San Diego Department of Environmental Health and Quality, San Diego Air Pollution Control District, San Diego Regional Water Quality Control Board, South Coast Air Quality Management District, Santa Ana Regional Water Quality Control Board, Office of Environmental Health Hazard Assessment, California Department of Public Health, and CDFW-OSPR. The unit is coordinating plans for spill source sampling and monitoring air, water, and sediment, as well as biological samples, to ensure that health agencies have access to the data and information necessary to make public health decisions that consider the nature and extent of threats posed to public health due to the incident, particularly as they pertain to lifting of beach and fishery closures.

VESSEL DECONTAMINATION

Response vessels are currently being decontaminated at the Port of Long Beach, Ship Services.

A plan to decontaminate recreational vessels is in place. **Vessel owners that have come into contact with oil should not attempt to clean boats themselves or in an area that has not been identified by the response as an official vessel decontamination site.** Specific quantification and protection protocols must be implemented. The incident is preparing decontamination stations at Long Beach, Huntington, and Newport Harbors, and additional details will be sent to the boating community when available.

Individuals with claims specific to recreational vessel decontamination should call the spill claims number at 1-866-985-8366. Amplify Energy will collect the necessary information to return your call within 24 hours.

CLOSURES

Harbors

All harbors are open at this time.

According to the Orange County Operational Area Emergency Operations Center's press release distributed on October 8 at 1531hrs:

In cooperation with local jurisdictions, the Unified Command has announced that the Captain of the Port has opened Newport Beach Harbor and Dana Point Harbor to all vessel traffic on October 8, 2021 at 1500 hours. In addition, OC Parks is announcing the reopening of Bayside Beach.

Beach Closure

Seal Beach is currently open. San Clemente is open but closed to fishing.

According to the Orange County Operational Area Emergency Operations Center's press release distributed on October 8 at 1531hrs:

The sand at County-operated beaches in the City of Laguna Beach reopened at 0900 hours today. These include Aliso Beach, Laguna Royale Beach, Table Rock Beach, Thousand Steps Beach, and West Street Beach. The reopening is for the sand only, not the shoreline or the water. The parking lot at Aliso Beach remains closed for staging for the cleanup efforts. The sand at the City of Laguna Beach beaches also reopened at 0700hrs today. County operated Salt Creek Beach, Strands Beach, and Baby Beach located within Dana Point Harbor reopened October 7.

The City of Newport Beach's beach advisory currently remains in place. Residents and visitors are advised to avoid contact with ocean water and oiled areas of the beach.

Huntington Beach ocean and shorelines (beginning at the lifeguard towers) between Warner Avenue and the Santa Ana River Jetty remain closed.

All San Diego beaches remain open at this time.

For more information concerning beach closures, please see the websites specific to each jurisdiction. For more information concerning state park beach closures, visit <https://www.parks.ca.gov/ParkIndex>.

Temporary Flight Restrictions

There is currently a temporary flight restriction (TFR) in place. Information regarding the TFR is available at [FAA Temporary Flight Restrictions -- Graphics](#).

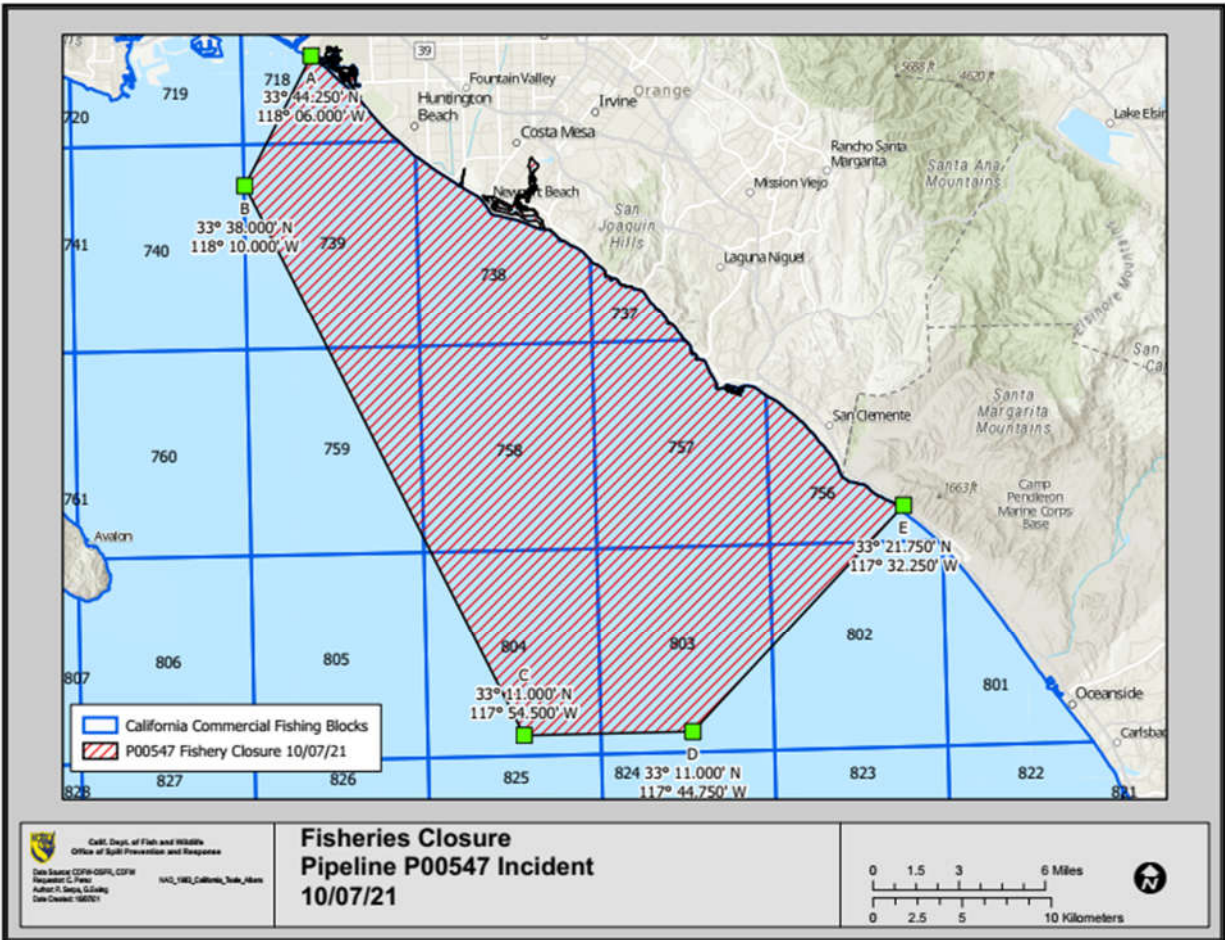
Fisheries Closure

On October 3, a fisheries closure was issued, prohibiting the catch and consumption of finfish and shellfish caught in the area of the closure. OEHHHA has since revised its recommendation on October 7 regarding the geographic location of the closed area based on the new oil trajectories and projections. Please see additional fisheries closure information at www.socalspillresponse.com/fisheries-closure. The revised closure area includes:

- Point A (West Jetty of Anaheim Bay; 33° 44.250' N, 118° 06.000' W) to;
- Point B (offshore; 33° 38.000' N, 118° 10.000' W) to;
- Point C (offshore; 33° 11.000' N, 117° 54.500' W) to;
- Point D (offshore; 33° 11.000' N, 117° 44.750' W) to;
 - Point E (near the southern border of San Onofre Nuclear Power Plant; 33°21.750' N, 117° 32.250' W)

This includes the coastal areas along the boundary, including shorelines; all bays and harbors extending from the boundary in an inland direction; and offshore areas enclosed by the boundary. This includes fishing from shorelines and boats. OEHHHA also advises that fishing be avoided in areas where there is visible sheen on the water.

Please see the revised fisheries closure map included below for additional reference:



ENVIRONMENTAL IMPACTS

SCAT

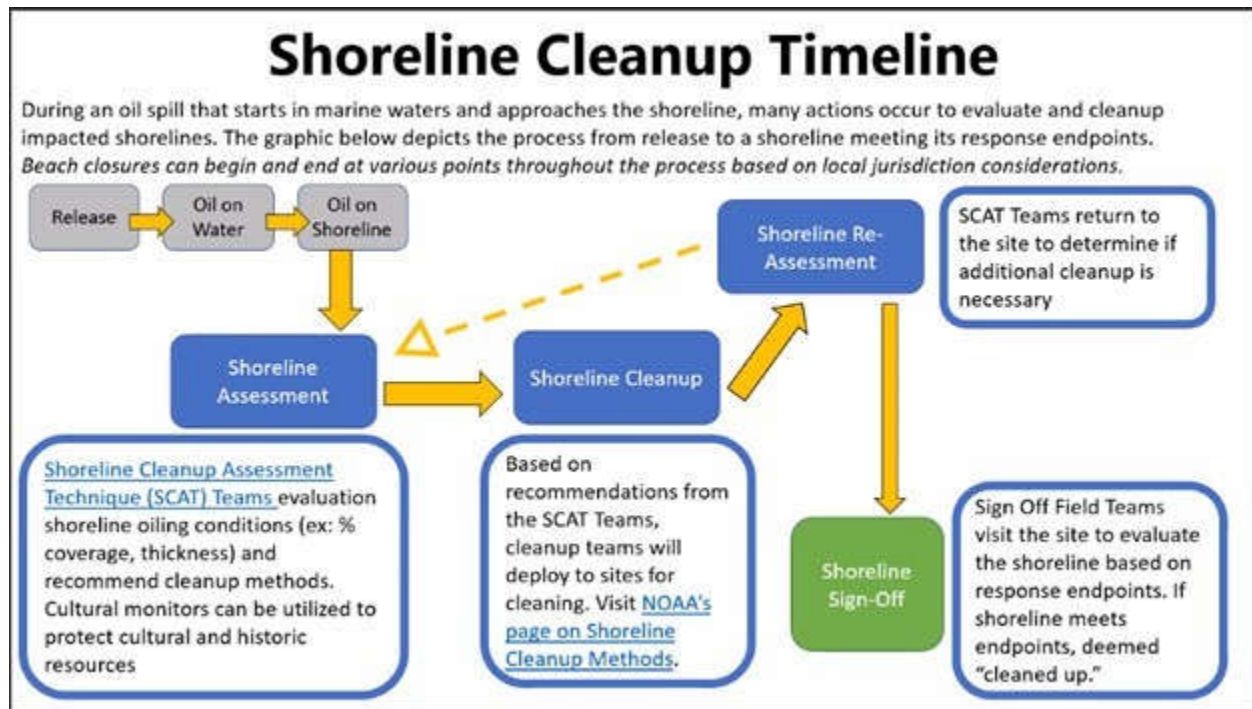
Overflights continue to be conducted throughout the day to track the oil. Six Shoreline Cleanup and Assessment Technique (SCAT) Teams conducted surveys to assess shoreline impacts at the Santa Margarita River, Oceanside City Beach, Del Mar City Beach, Torrey Pines State Beach, Los Penasquitos Lagoon, and La Jolla today. Additional reports of tar balls are being investigated to determine if they are within the scope of the response. There have been no reported impacts to Catalina Island or San Clemente Island. No surveys have been conducted on either island. Cumulative shoreline oiling maps are attached to this update for reference.

An email address has been activated to receive reports of beach oiling from the community. Please email tarballreports@wildlife.ca.gov if oil is observed on the shoreline. Please include the following information in the email:

- 1) Date the oil was observed
- 2) Time the oil was observed
- 3) Specific location of the observed oil (preferably GPS coordinates)

- 4) A few descriptive photographs of the oil
- 5) Estimated quantity
- 6) Contact information for follow-up

Please reference the following flow chart for information regarding shoreline cleanup timeline:



Applied Response Technologies (ART)

Dispersant use was reviewed by CDFW-OSPR and the Regional Response Team IX (RRT) on Saturday morning, October 2. The threshold criteria for dispersant use were not met. A surface washing agent named Cytosol was reviewed by CDFW-OSPR and the RRT earlier this week. It was approved for use to clean vessels on the water that had oil stuck at their waterlines. Other oil spill cleaning agents being offered for use such as sorbents, cleaning agents, and bioremediants are being continually tracked and considered for potential future use. People with cleanup products that they want considered for use in this response should email their information to PipelineP00547@wildlife.ca.gov. No product vendor or member of the public should deploy any cleanup device or product unless it has received the appropriate approvals.

NRDA

A Natural Resource Damage Assessment (NRDA) is a process to determine the appropriate type and amount of restoration needed to offset impacts to fisheries, wildlife, habitats, and human uses impacted by oil spills. NRDA is the legal process that federal and state agencies use to evaluate the impacts of oil spills, hazardous waste sites, and ship groundings on public natural resources along the nation's coast.

These partners, referred to collectively as natural resource trustees, work together to identify the extent of natural resource injuries, the best methods for restoring them, and the type and amount of restoration required. In addition to studying impacts to the environment, the NRDA process includes assessing and restoring the public's lost use of injured natural resources such as beaches and campgrounds, etc. In this incident the Trustee Agencies participating are NOAA, USFWS, BLM, California Department of Fish and Wildlife –Office of Spill Prevention and Response, California Department of Parks and Recreation and the California State Lands Commission.

For this incident the NRDA has established Trustee Working Groups (TWGs) for different resources categories. These include Birds, Fish and Subtidal, Shoreline, Rocky Intertidal and Subtidal, Fish and Water Column, Marine Mammals and Chemistry/Data Management. These groups are developing and implementing work plans collecting samples and other observations to document potential impacts to affected resources. Currently the TWGs are involved in surveys identifying oiled birds, collecting water and tissue invertebrate samples, oil samples, documentation of closures and advisories, and recreational activities.

WILDLIFE IMPACTS

Wildlife Branch operations are continuing daily, monitoring the shoreline and on-water for affected wildlife. Anyone observing oiled wildlife should not attempt to capture it. Instead, please report observations of oiled wildlife to the oiled wildlife hotline at 1-877-UCD-OWCN (1-877-823-6926). Please do not call this number for volunteer questions. Please see the volunteer section below.

Impacted wildlife information listed below as of October 8:

- Birds collected live: 35
- Of the live birds collected: 4 birds died, 8 were cleaned
- Birds collected dead on arrival: 10

Additional wildlife information:

- Impacted wildlife numbers are updated once daily in the evening
- A comprehensive list of species and daily updates on impacted wildlife recovered during response activities are available at <https://owcn.vetmed.ucdavis.edu/pipeline-p00547-incident>

VOLUNTEERS

The involvement of community volunteers has been approved by Unified Command as of October 5 and were utilized starting Friday October 8.

Volunteer Stats:

- Community Volunteers Currently Signed Up (as of 10/08/21): Over 10,000. Of those, 4,000 of them are from Orange County.
- Volunteers utilized 10/8/21: 34 affiliated volunteers (CDFW/ CERT/ Cal Volunteers CORE Cadre) and 35 community volunteers.

Additional tasks include:

- Pre-impact beach cleanup activities

- Community volunteers that meet the following minimum requirements are instructed to complete the volunteer registration form at <https://calspillwatch.wildlife.ca.gov/Volunteer>
- Be at least 18 years of age
- Be able to lift up to 25 pounds
- Be willing to follow County Public Health COVID procedures

The Unified Command Volunteer Unit will provide registration, screening, deployment(s), volunteer oversight, and demobilization. Safety briefings will be provided by a CDFW-OSPR Oil Spill Prevention Specialist, security will be provided by CDFW-OSPR Wardens, and CDFW-OSPR Volunteer Coordinators will be provided for volunteer management. Additional volunteer information is available at <https://calspillwatch.wildlife.ca.gov/Volunteer> and the Volunteer Hotline at 1-800-228-4544.

INVESTIGATIONS

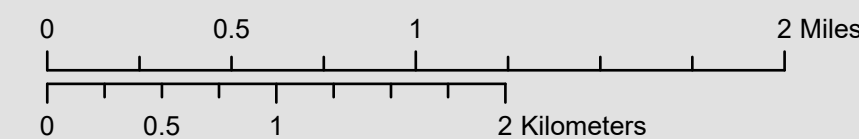
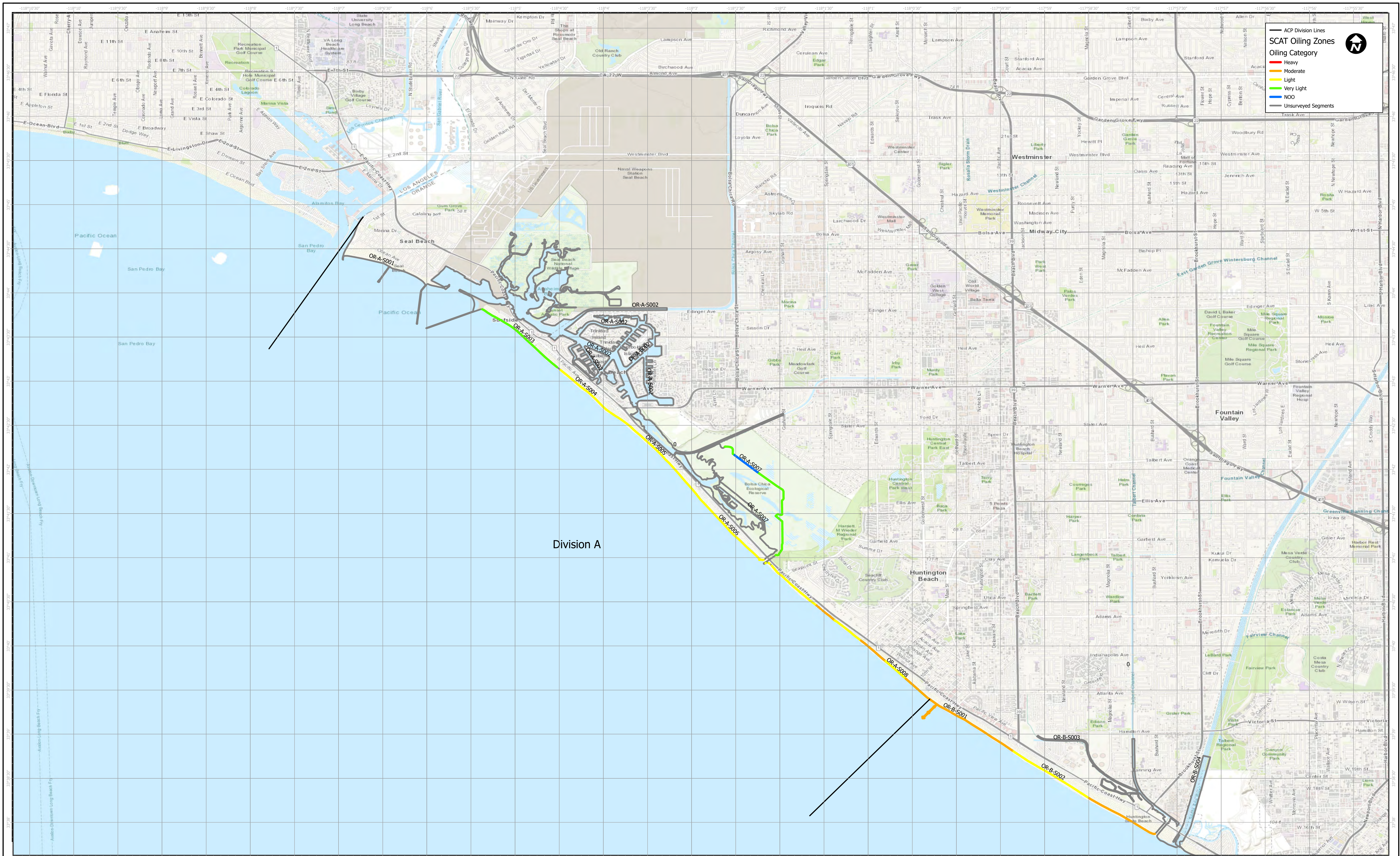
The Unified Command's response priorities are life-safety and protection of the environment. The investigation is independent of the response.

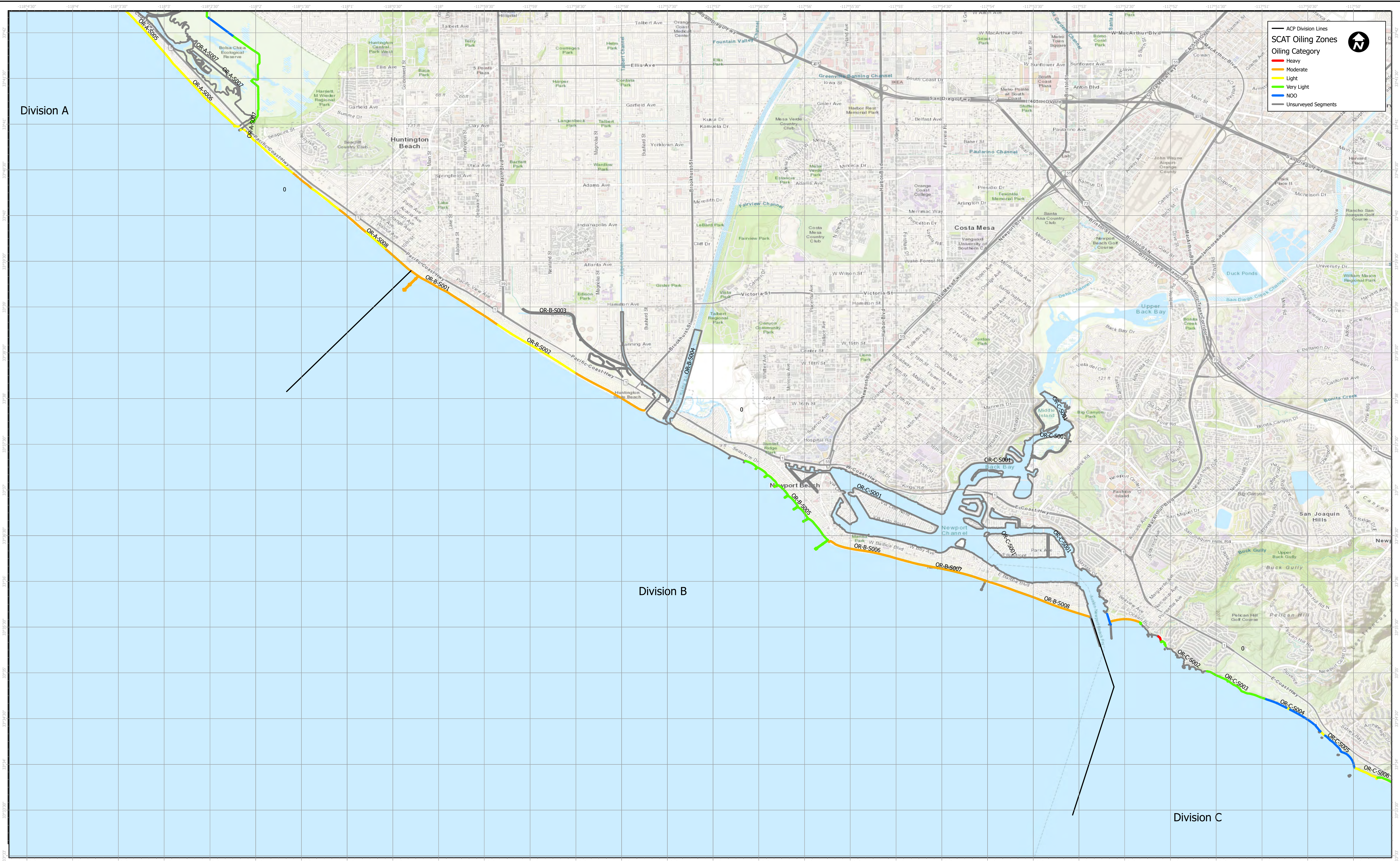
MEDIA

Media inquiries can be directed to the Joint Information Center at inquiries@socalspillresponse.com. A public website with information about the response has been established at www.socalspillresponse.com.

ADDITIONAL LINKS

CDFW-OSPR Factsheets: [OSPR Factsheets \(ca.gov\)](https://www.cdpr.ca.gov/Programs/OPA/Pages/OSPR_Factsheets.aspx)





Division A

Division B

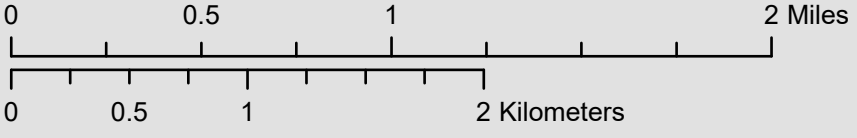
Division C

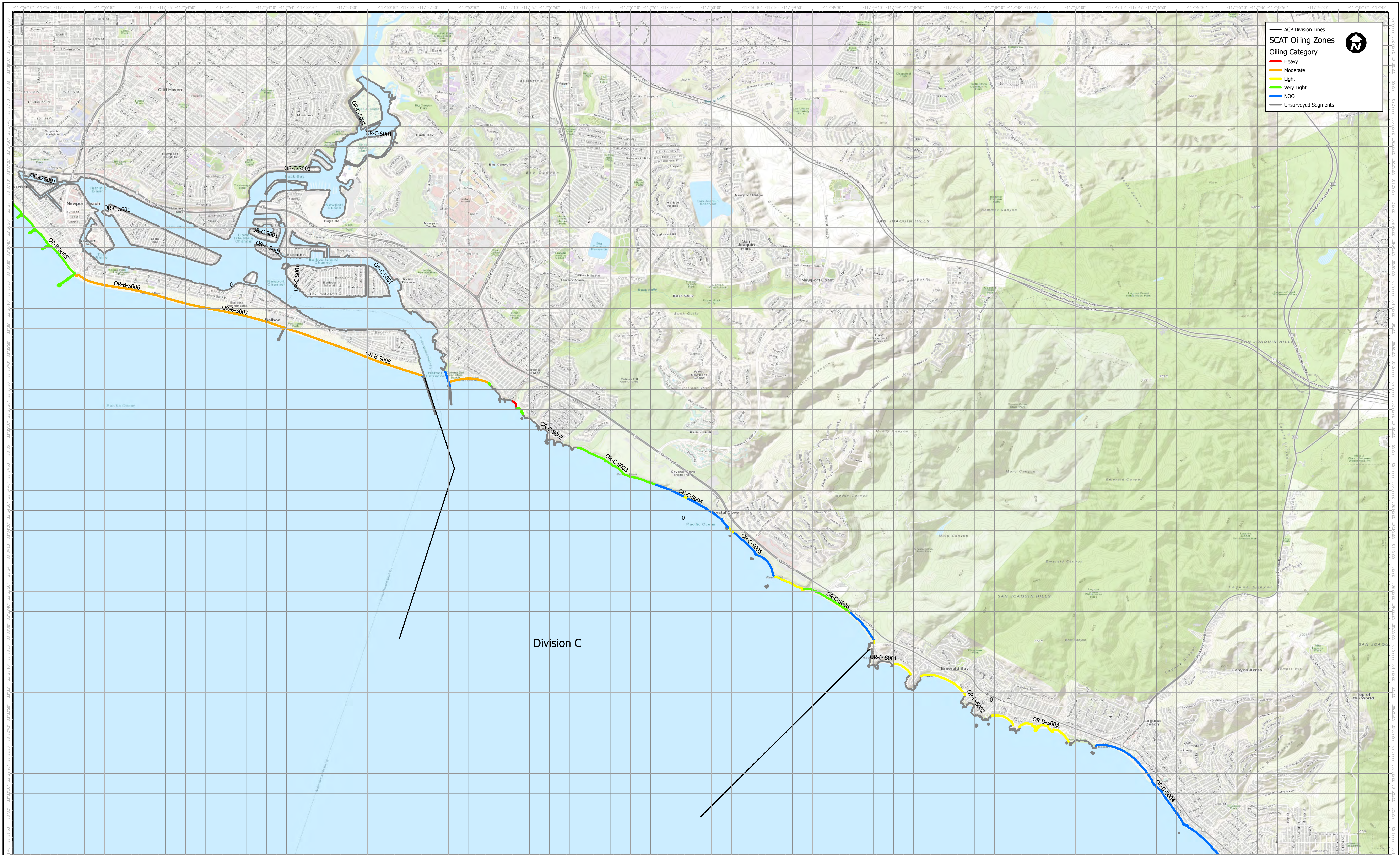


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSC
Requestor: United Command
Author: Brent Thompson 10/8/21 PM
Data Current: 10/8/2021 10:08 PM
NAD 1983 California State Plane

Pipeline P00547 Incident
SCAT Cumulative Oiling Orange County Division B
Data Current as of 10/7/2021





— ACP Division Lines

SCAT Oiling Zones

Oiling Category

- Heavy
- Moderate
- Light
- Very Light
- NOO

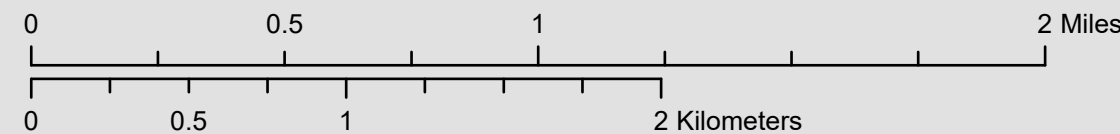
— Unserved Segments

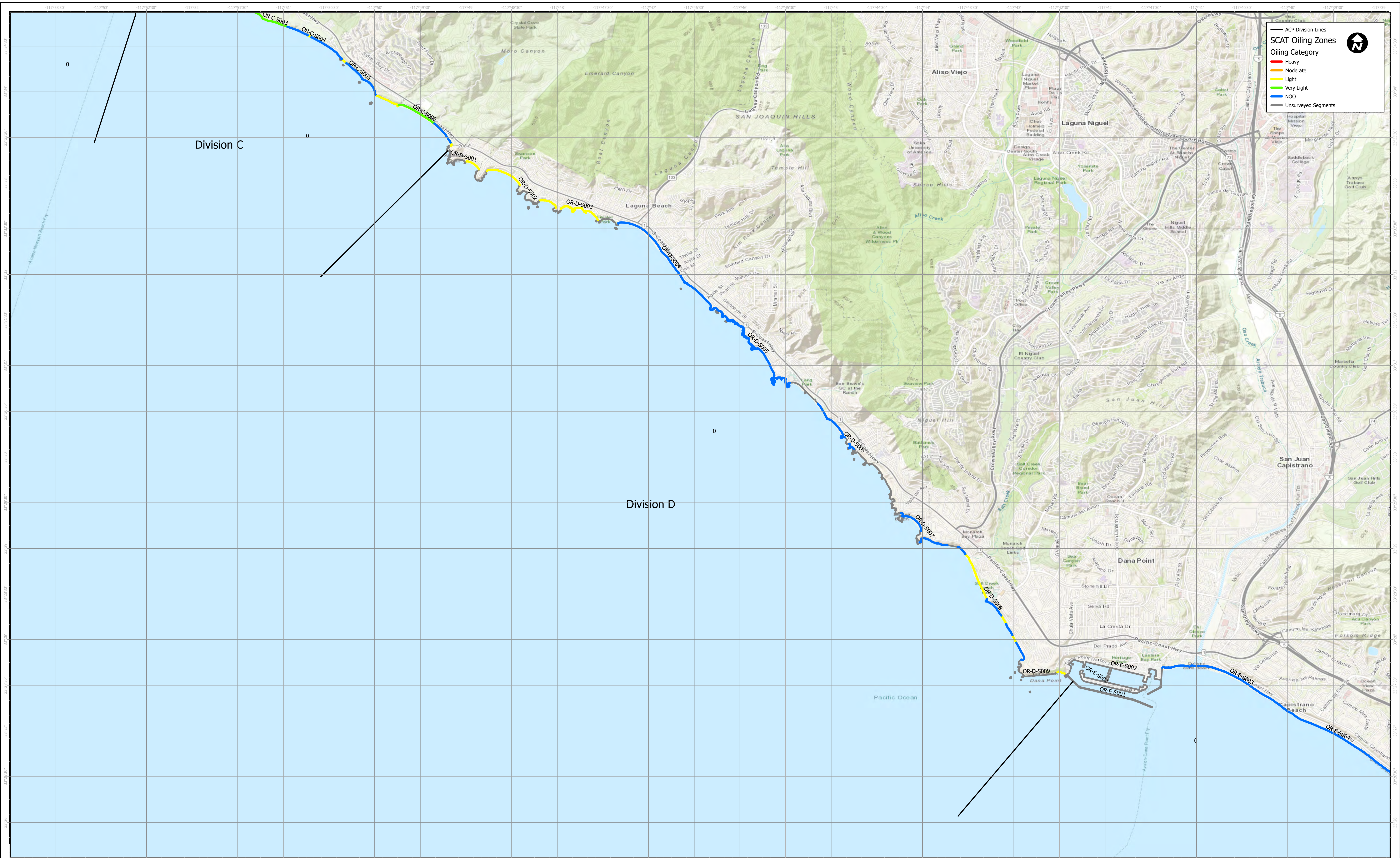


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: SCAT
Reporter: United Command
Author: Scott T. Hooten
Date: 10/7/2021 10:08 AM
NAD 1983 California State Plane

Pipeline P00547 Incident
SCAT Cumulative Oiling Orange County Division C
Data Current as of 10/7/2021

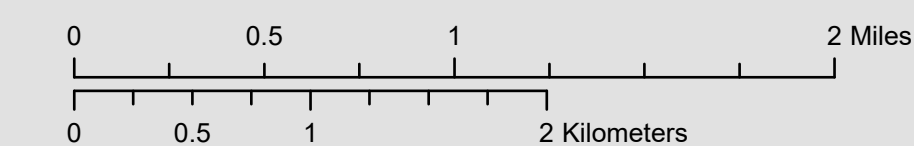


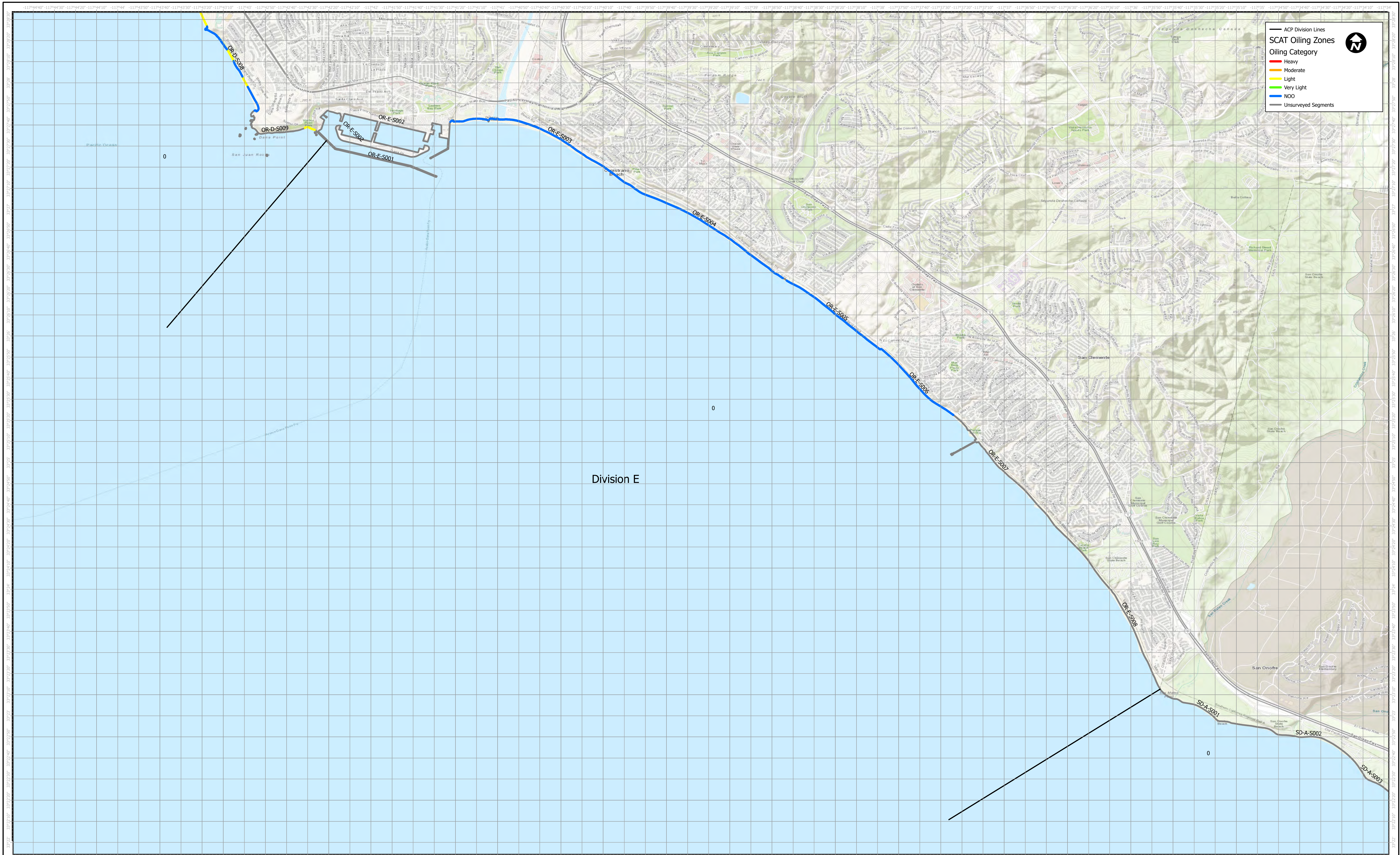


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSC
Requestor: United Command
Author: Brian Thompson 10/20/21 1:08 PM
Date Issued: 10/20/21 1:08 PM
NAD 1983 California State Plane

Pipeline P00547 Incident
SCAT Cumulative Oiling Orange County Division D
Data Current as of 10/7/2021





Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response
Data Source: SCAT
Requestor: United Command
Author: Brian T. Hickey, 10/18/21
Data Current: 10/18/21, 10/18/21
NAD 1983 California State Plane

Pipeline P00547 Incident
SCAT Cumulative Oiling Orange County Division E
Data Current as of 10/7/2021

