

Permittee's Contact Information:
Zoe Scholz
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510-410-5493

Permit #: PRC 9467

- Select one:**
- New Survey
 - New Survey Series
 - Existing Survey Series
 - Time Extension

Section 1: Pre-Survey Notification Package. Please use the boxes below to verify that the required documents are included in the Pre-Survey Notification Package:

- Pre-Survey Notification Form
- Navigation chart, as well as GPS coordinates or a shapefile for proposed track lines (bounding coordinates for the survey area are acceptable if track lines are not known; all coordinates should be in decimal degrees)
- Résumé(s) of Marine Wildlife Monitor(s)

Section 2: Pre-Survey Notices. Please use the boxes below to verify that notifications have been sent to the following:

- U.S. Coast Guard Local Notice to Mariners
- Harbormasters' offices of regional harbors near the survey area

Section 3: Survey Details.

Date(s) of operation (survey window): 2/1/2022-1/31/2023

Number of survey days (approximate): 20

Survey location: Los Angeles, Orange, and San Diego Counties, CA (see detail below)

Hours of operation: 9am - 4pm daily

Survey purpose/objective:

The purpose of this survey is to map artificial structures in southern California.

Survey area detail by county:
Los Angeles County: Santa Monica Bay, San Pedro Shelf
Orange County: San Pedro Shelf, Dana Point
San Diego County: San Onofre, Oceanside, Carlsbad/ Leucadia, Torrey Pines, Mission Beach/ Ocean Beach, offshore of Imperial Beach

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Section 4: Vessel Details.Vessel name: D/V Obscurus; R/V NeoclinusVessel official number: CF 2261 VH; CF 1898 VHVessel captain's name: Zoe ScholzRadio channel(s) to be monitored by vessel: VHF ch. 16**Section 5: Survey Equipment Characteristics.**

Equipment type	EdgeTech 6205 Bathymetry and Side Scan Sonar
Frequency	540 kHz (Bathymetry and Side Scan) & 1600 kHz (Side Scan only)
Source level (dB re 1 uPa at 1 m [rms and peak])	215 & 216 (rms only)
Number of beams	2
Across and along track beamwidth	across = 100 deg along: 540 bathy = 0.5 deg; 540 kHz side scan = 0.36 deg along: 1600 kHz side scan = 0.2 deg
Pulse rate/length	rate: up to 60 Hz length: 540 side scan = 0.25 - 3.7 ms; 1600 = 0.12 - 1.12 ms
Rise time	NA
Source depth	0.5m
Tow speed	4 kts
Cable tow length	NA; pole mount

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Equipment type	
Frequency	
Source level (dB re 1 uPa at 1 m [rms and peak])	
Number of beams	
Across and along track beamwidth	
Pulse rate/length	
Rise time	
Source depth	
Tow speed	
Cable tow length	

Equipment type	
Frequency	
Source level (dB re 1 uPa at 1 m [rms and peak])	
Number of beams	
Across and along track beamwidth	
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Section 6: Safety Zones. For surveys operating equipment at a frequency < 200 kHz, a safety zone around the sound source is required. The size of the safety zone is based on the modeled or calculated distance to the 160 dB (rms) threshold, as outlined in Section 2100.07 (a)(5)(D) of the Geophysical Survey Permit Program's regulations. Please list the equipment-specific safety zones below.

Equipment type	Safety zone
NA	NA

Section 7: Pinniped Haul-Out Sites, Marine Protected Areas (MPAs), and Other Permits/Authorizations. Please provide answers to the following:

Are there pinniped haul-out sites within or near the survey area? If yes, please provide the location of and distance to the haul-out site(s).

There is a pinniped haul-out site in La Jolla, approximately 5 km south of the Torrey Pines survey area and 4.5 km north of the Mission Beach/ Ocean Beach survey area.

Are there MPAs within or near the survey area? If yes, please provide the location of and distance to the MPA(s).

By survey area,

Santa Monica Bay: nearest MPA is Point Vicente SMCA, ~2.5 km south

San Pedro Shelf: nearest MPA is Crystal Cove SMCA, ~4.5 km west

Dana Point: directly outside Dana Point SMCA and ~2.5 km SE of Laguna Beach SMCA

San Onofre: nearest MPA is Dana Point SMCA, ~20km NW

Oceanside: nearest MPA is Swami's SMCA, ~14km south

Carlsbad/ Leucadia: nearest MPA is Swami's SMCA, ~2km south

Torrey Pines: directly outside (north of) San Diego-Scripps Coastal SMCA

Mission Beach/ Ocean Beach: directly outside (south of) South La Jolla SMR and SMCA

offshore of Imperial Beach: nearest MPA is Tijuana River Mouth SMCA, ~ 2.5km west

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Were other permits or authorizations obtained from Federal or State agencies (e.g., from the California Department of Fish and Wildlife for work in or near MPAs)? If yes, please provide the type of permit and issuing agency.

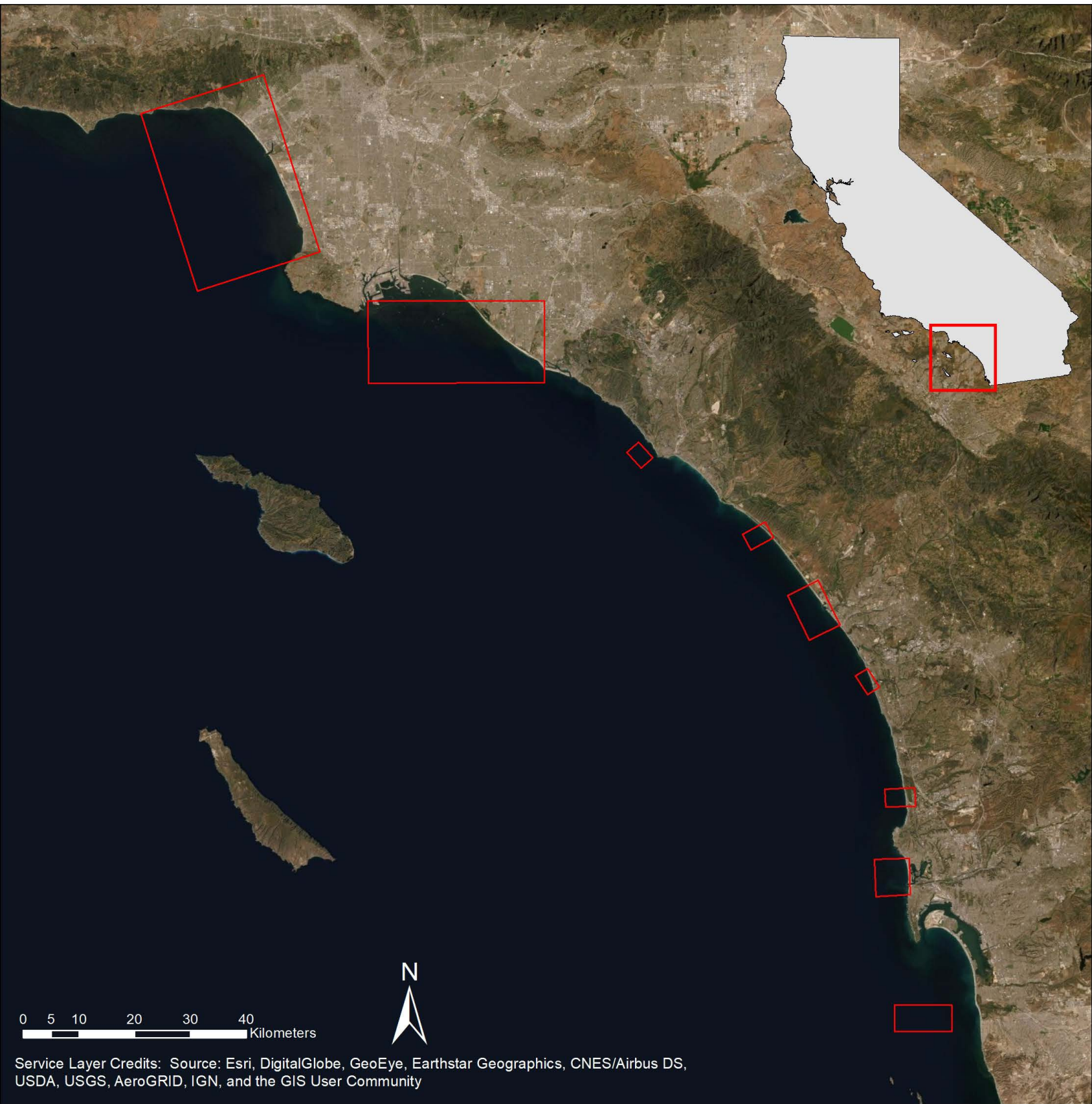
No

Section 8: Contact Information. If you foresee potential interference with commercial fishing or other activities, please contact the person(s) listed below:

Commission Representative

Email: slc.ogpp@slc.ca.gov
Phone: (916) 574-1897

Bureau of Ocean Energy Management Representative (If Applicable)



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