

Permittee Contact Information

Contact Name: Christopher Scott

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Permit #: 9965

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): November 2 - December 18, 2026

Number of survey days (approximate): 14

Survey location: Orange County, CA (Surfside-Sunset, San Clemente)

Hours of operation: Daylight hours (typ. 0700 - 1700)

Survey purpose/objective:

Multibeam, Side Scan, and Magnetometer survey of potential borrow sites and pipeline approaches for beach nourishment activities in San Clemente, CA. Survey areas include the following:
Borrow Site 1: 1NM offshore of Huntington Harbor/Alamitos Bay, Huntington Beach, CA
Borrow Site 2: 0.4NM offshore of San Onofre Beach, San Clemente, CA
Pipeline Approach 1: From shoreline to 1NM offshore of North Beach, San Clemente, CA
Pipeline Approach 2: From shoreline to 1NM offshore of Linda Lane, San Clemente, CA
Pipeline Approach 3: From shoreline to 1NM offshore of San Clemente Pier, San Clemente, CA
Pipeline Approach 4: From shoreline to 1NM offshore of Calafia Beach, San Clemente, CA
Pipeline Approach 5 & 6: From shoreline to 1NM offshore of San Clemente State Beach, San Clemente, CA

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Section 4: Vessel Details.

Vessel name: M/V Minotaur

Vessel official number: CF 1279 XH

Vessel captain's name: Ryan Braget

Radio channel(s) to be monitored by vessel: 16

Section 5: Survey Equipment Characteristics and Safety Zones.

Equipment type	Multibeam Sonar (Reson T50R)
Frequency	200-400 kHz
Source level (dB re 1 uPa at 1 m [rms and peak])	220 dB
Number of beams	up to 1,024
Across and along track beamwidth	Across-Track = 0.5°-1.0° Along Track = 1.0°-2.0°
Pulse rate/length	Rate = Up to 50 Hz Length = 10 - 300 microseconds
Rise time	N/A
Source depth	2 ft
Tow speed	5 knots
Cable tow length	N/A

Equipment type	Side Scan Sonar (EdgeTech 4125 400/900)
Frequency	400/900 kHz
Source level (dB re 1 uPa at 1 m [rms and peak])	205 dB
Number of beams	2
Across and along track beamwidth	Across-track = $\pm 50^\circ$ Along-track = $0.46^\circ/0.33^\circ$
Pulse rate/length	Rate = 9.4 Hz / 15 Hz; Length = 3.2 ms / 2.0 ms
Rise time	< 0.1 ms
Source depth	5 - 30 ft
Tow speed	5 knots
Cable tow length	100 ft

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Equipment type	Magnetometer
Frequency	None
Source level (dB re 1 uPa at 1 m [rms and peak])	None
Number of beams	None
Across and along track beamwidth	None
Pulse rate/length	None
Rise time	None
Source depth	5 ft
Tow speed	5 knots
Cable tow length	100 ft

Section 6: Safety Zones. For surveys operating equipment at a frequency < 200kHz, 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
All equipment operated at freq. > 200 kHz	N/A

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).

No

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

No. Closest open-ocean MPA is the Dana Point State Marine Conservation Area, 4 nautical miles west of the survey area.

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.

N/A

Section 8: Fishing Gear Conflicts. If different from the person identified on Page 1, please provide the phone number and email address for the point of contact within your organization in the event of equipment entanglement with fishing gear.

Contact	Phone Number	Email Address
Same as p.1	Same as p.1	Same as p.1

Pre-Survey Notification Package
Appendix A
Survey Areas

