

Permittee's Contact Information:

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San Diego, CA 92123
858) 560-5465

Permit #: PRC 9376

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): September 1 - November 30, 2020

Number of survey days (approximate): 9

Survey location: Encinitas to Del Mar, San Diego County, CA

Hours of operation: 0700 - 1800

Survey purpose/objective:

The purpose of the survey is to document nearshore hard and soft bottom habitats from -60 feet MLLW to the surf zone at sites along the shore. The survey is part of an on-going annual monitoring program to examine habitat changes through time.

Section 4: Vessel Details.

Vessel name: Ocean King Survey

Vessel official number: CF 3862 UC

Vessel captain's name: Jordan Volker

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

Section 5: Survey Equipment Characteristics.

Equipment type	Interferometric Sidescan Sonar
Frequency	468 kHz
Source level (dB re 1 uPa at 1 m [rms and peak])	187
Number of beams	2 interferometric, 4 staves
Across and along track beamwidth	Track width - 62 m Along track - 10.2 cm Across track - 2.58 cm
Pulse rate/length	4.3 - 250 MS
Rise time	Not applicable
Source depth	0.5 m
Tow speed	2 - 5 knots
Cable tow length	Not applicable - Hull mount

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Equipment type	CAATI Sidescan Sonar
Frequency	450 kHz
Source level dB re 1 uPa at 1 m [rms and peak])	171
Number of beams	2 interferometric, 3 staves
Across and along track beamwidth	Track width - 68 m Along track - 10.2 cm Across track - 1.56 cm
Pulse rate/length	33 MS
Rise time	Not applicable
Source depth	0.5 m
Tow speed	2 - 5 knots
Cable tow length	Not applicable - Hull mount

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	

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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
Not applicable	

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 on near the survey area? If yes, please provide the location of and distance to the haul-out site s .

There are no known pinniped haul-out sites within 300 meters of the survey area. The nearest known haul-out site is for harbor seals and is located approximately 5.5 nautical miles south of the site in La Jolla.

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

The survey will occur within the nearshore environment extending both within and to the immediate north and south of the Swami's State Marine Conservation Area (SMCA), as well as, the San Diego – Scripps Coastal SMCA. Work is being conducted under CDFW Scientific Collectors Permit No. 4019 that authorizes acoustic and ROV survey within marine protected areas.

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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.

CDFW SCP

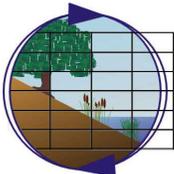
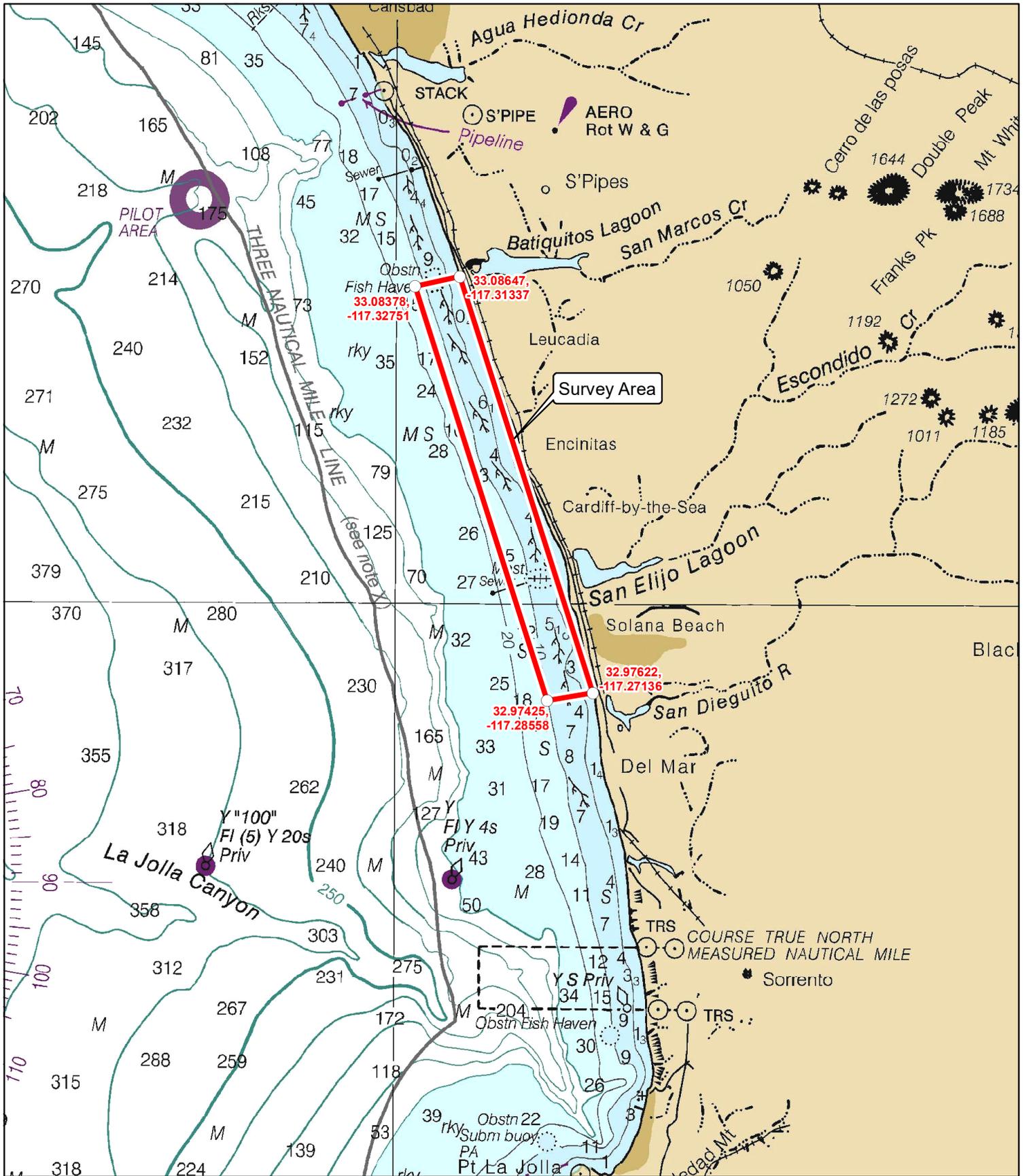
Section 8: Contact Information. If you foresee potential interference with commercial fishing or other activities, please contact the person s listed below:

Commission Representative

Richard B Greenwood
Statewide Geophysical Coordinator
200 Oceangate, 12th Floor
Long Beach, CA 90802
562) 590-5201

**Bureau of Ocean Energy Management
Representative If Applicable**

Joan Barminski
Pacific Regional Director
770 Paseo Camarillo
Camarillo, CA 93010
805) 389-7707



Survey Navigational Chart
Image Source: NOAA Chart 18740 San Diego to Santa Rosa Island

Figure 1