

Permittee's Contact Information:

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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 - 15, 2020

Number of survey days (approximate): 1

Survey location: Summerland

Hours of operation: 0700 - 1800

Survey purpose/objective:

The purpose of the survey is to document nearshore hard and soft bottom habitats within a 500-ft radius of the Treadwell Casing and Northstar Wellhead. Data will be used to develop an anchoring plan for the well abandonment project.

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 the survey area. The nearest known haul-out location is located approximately 5.6 miles south of the site in Carpinteria.

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

There are no MPAs within the survey area. The nearest MPAs are to the west. The Goleta Slough SMCA (No-Take) is 12.30 miles west, and the Campus Point SMCA (No-Take) is 13.65 miles 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.

Not applicable

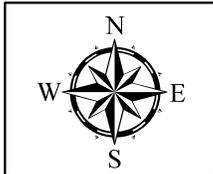
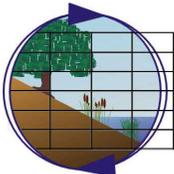
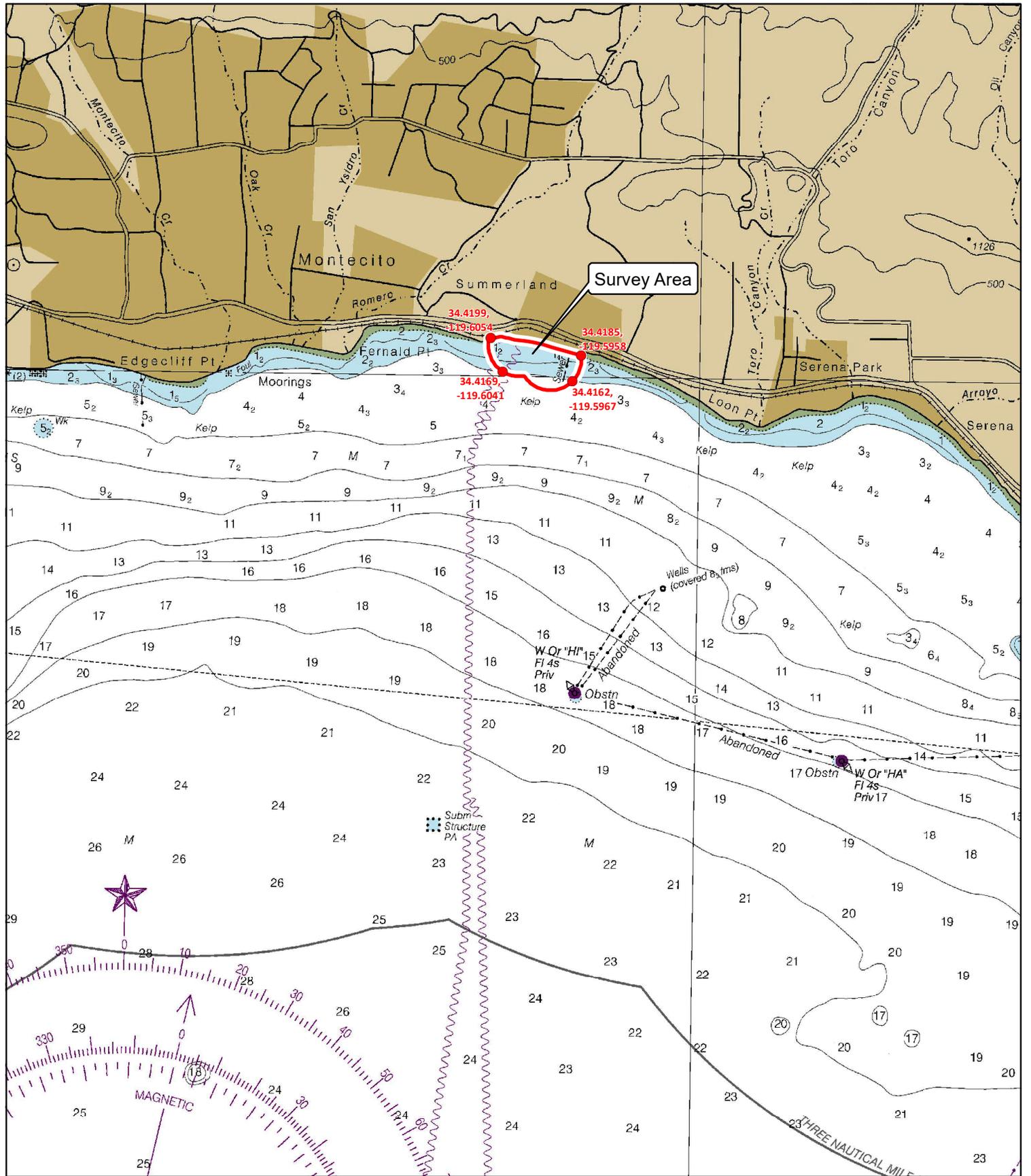
Section 8: Contact Information. If you foresee potential interference with commercial fishing or other activities, please contact the person s listed below:

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 18725 Point Hueneme to Santa Barbara

Figure 1