

July 30th, 2020

Richard Greenwood  
California State Lands Commission  
200 Oceangate, 12th floor  
Long Beach, CA 90802-4331

Dear Mr. Greenwood,

I am writing in accordance with the California State Lands Commission Geophysical Survey Permit No. 9235, to notify you of proposed survey operations in regards to an ROV cable inspection survey along the coast of California from Morro Bay to San Diego, CA. This survey will be conducted during the period of August 10th, 2020 to September 18, 2020 between the hours of 8am and 7pm.

Please find the required documentation pertaining to this notification attached. If additional information is required, please don't hesitate to contact our offices.

Sincerely,

A handwritten signature in black ink, appearing to read 'Erik Mueller', with a long horizontal flourish extending to the right.

Erik Mueller

**Permittee's Contact Information:**

eTrac Inc.  
637 Lindaro Street, Suite 100  
San Rafael, CA 94901

Permit #: 9235

**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): Morro Bay August 10-12, Santa Barbara August 14-20, Manhattan Beach August 24-30 , San diego September 2-6,2020

Number of survey days (approximate): 22

Survey location: Morro Bay, Santa Barbara, Manhattan Beach and San Diego, CA.

Hours of operation: 08:00 to 19:00

Survey purpose/objective:

Cable inspection survey: Survey the portion of the cable route from the mean high tide line to the seaward limit of the territorial water of the State of California to verify that the cables have remained buried consistent with the as-built cable burial plan required by Special Condition 5. The survey shall be conducted with a remotely operated vehicle ("ROV") equipped with video and still cameras and by a third party approved by the Executive Director.

**Section 4: Vessel Details.**

Vessel name: Taku

Vessel official number: CF 3078 UK

Vessel captain's name: Ryan Hersey

Radio channel s) to be monitored by vessel: 16

**Section 5: Survey Equipment Characteristics.**

<b>Equipment type</b>	Tritech Scanning Sonar
Frequency	700khz
Source level dB re 1 uPa at 1 m [rms and peak]	80db
Number of beams	1
Across and along track beamwidth	35° vertical x 3° horizontal
Pulse rate/length	10 Hz, Length 200 sec
Rise time	0ms, 200sec
Source depth	ROV Mounted
Tow speed	0.5kt
Cable tow length	100m

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SLC 602

<b>Equipment type</b>	Subsonus USBL
Frequency	30khz
Source level (dB re 1 uPa at 1 m [rms and peak])	100db
Number of beams	8
Across and along track beamwidth	300° hemispherical
Pulse rate/length	100hz, Length 200sec
Rise time	0 ms, 200 ms
Source depth	Vessel Mounted
Tow speed	2 kt
Cable tow length	0m

<b>Equipment type</b>	
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	

**GEOPHYSICAL SURVEY PERMIT – PRE-SURVEY NOTIFICATION FORM**

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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
Sonadyne USBL (equipment source level below 160 dB rms)	0

**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).

No

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

Santa Barbara: Yes. Campus Point State Marine Conservation Area. At location of survey area.

San Diego: Yes. South LaJolla State Marine Reserve and South LaJolla State Marine Conservation area. Both at location of survey area.

**GEOPHYSICAL SURVEY PERMIT – PRE-SURVEY NOTIFICATION FORM**

SLC 602

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 additional permits required from CDFW.

**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) 574-1938

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

N/A







