

**Permittee's Contact Information:**

eTrac Inc.  
637 Lindero 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): 9/21/2020 - 10/23/2020 Weekdays only

Number of survey days (approximate): 25

Survey location: Suisun Bay, San Pablo Bay and San Francisco Bay, CA

Hours of operation: 07:00 to 19:00

Survey purpose/objective:

Low energy geophysical survey from Suisun Bay to San Francisco Bay, CA.

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

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**Section 4: Vessel Details.**Vessel name:     TB Express    Vessel official number:     FG72365    Vessel captain's name:     Gerhard Skerbinek    Radio channel s) to be monitored by vessel:     16    **Section 5: Survey Equipment Characteristics.**

<b>Equipment type</b>	R2Sonic 20244
Frequency	450khz and 700khz
Source level dB re 1 uPa at 1 m [rms and peak]	209db
Number of beams	2566
Across and along track beamwidth	1° x 1°
Pulse rate/length	40 Hz (25 ms), Length 150 sec
Rise time	0.05ms, 165 sec
Source depth	Vessel Mounted
Tow speed	4 knt
Cable tow length	None

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<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	

<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	

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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
N/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 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).

No

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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) 574-1938

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

N/A

