



# eTrac, Inc.

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# Estimate

Date	Estimate #
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3/27/2023 5116

## Name / Address

KPFF Consulting Engineers  
1601 Fifth Avenue, Suite 1600  
Seattle, WA 98101

## Project

Skagway Marine Power Cable Locate Survey

Description	Qty	Rate	Total
Cost Estimate Requested By: E. DeBroeck			
Hydrographic Magnetometer Survey			
Planning/Prep/Mobilization/Demobilization (Lump Sum) Includes the following: - 3-person crew (including vessel operator) - Dual Antenna GNSS Surface Positioning System - G882 Marine Magnetometer - Advanced Navigation Subsonus, Ultra short baseline positioning system - All necessary ancillary systems (GNSS base station, sound velocity sensors, sonar mounting system, computers, acquisition & processing software, etc.) - Mobilization of survey vessel Epps to Skagway AK via the AMHS  Includes all Travel, Shipping, Lodging, and Per Diem	1	27,884.00	27,884.00
Magnetometer Survey (Day Rate) - Estimated at 1 day - Magnetometer Survey to locate subsea power cable in the vicinity of Dolphin 1 and 2 at Skagway's Ore Peninsula  Includes all personnel, equipment, vessel, software, and expenses.	1	9,422.00	9,422.00
Processing, Analysis, and Reporting (Lump Sum) - Digital CAD Plot - Point Files - GeoTiff - Notes	1	2,065.00	2,065.00
Notes: 1. Weather and standby due to factors outside of eTrac's control charged at \$6,730 daily rate 2. Based on the AMHS schedule potential survey dates in April are 4/10, 4/19, or 4/26 3. One week's advance notice required and is subject to space available on the AMHS 4. eTrac is willing to re-quote the survey effort if a local vessel can be provided.			

Prices are valid for 30 days