



ALASKA TIDAL CURRENT MEASUREMENT PROJECT

The project goal was to reoccupy historic tidal current stations and establish new stations to update the NOAA Tidal Prediction Tables. A total of forty-two (42) stations needed to be occupied in Southeastern Alaska covering three (3) deployments of fourteen (14) stations each. Each deployment was a minimum of thirty-five (35) days. Three (3) of the sites were reference stations deployed for seventy (70) days.

SCOPE AND APPROACH

All meters and mooring equipment were government furnished. Upon delivery of all the equipment, EHI personnel made a thorough inspection of all instrumentation. Following inspection all the gear was packed in 20 ft containers, and these and the anchors were



Vessel loaded with anchors and mooring equipment for initial deployment.

shipped via barge freight. The containers remained in Alaska throughout the project to provide a secured storage location, as well as to use as a protected work area during each deployment cruise. Prior to each deployment, fresh batteries were installed and the compass calibrated for each current meter. Due to rough weather during the first deployment, current moorings were deployed at 14 stations consisting of a mixture of deployment 1 & 2 sites to take advantage of safer boating conditions in protected areas. CTD casts were collected for each deployment site.

Reconnaissance measurements (depth and bottom substrate) were made during each deployment cruise of the stations for the follow-on deployment (e.g., recon of deployment 3 sites during deployment 2 cruise).

RESULTS

The project was 100% successful. All 42 moorings were recovered with full data sets. EHI scored high marks on the final project evaluation. NOAA commended EHI for displaying exceptional technical expertise and exceptional execution. The client found the entire project team was responsive and effective.

Client Reference

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Project Timeframe

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