

Tide Correctors

Predicted tides for the project were provided on diskette by N/OES334 for the Cordova, Alaska reference station (945-4050).

Tidal correctors as provided in the project instructions for this sheet are:

<u>Time Correction</u>	<u>Height Correction Range Ratio</u>
0 hr 0 min.	X 0.96

HDAPS listings of the data used in generating tide corrector tables are included in Appendix V of this report. *

RAINIER personnel installed an 8200 digital gage at Columbia Bay (945-4476) and Storey Island (945-4553) on September 4, 1994. Opening levels to the staff and all bench marks were conducted upon installation. A new staff was installed and leveled at Columbia Bay, when the staff was destroyed by ice on September 9. Columbia Bay tide data were continuous from installation to September 6, when the orifice tubing was removed by ice. The orifice was reinstalled on September 6 and the gage ran continuously through September 18, when it was again destroyed by ice. On September 21, 1994, the orifice was repaired and a secondary gage and orifice was installed at Columbia Bay. Tide data were collected continuously at the Storey Island during data acquisition. On September 21, 1994, a new station was installed on the north side of Storey Island (945-4571) to serve as a secondary gage for Storey Island (945-4553). Opening levels were conducted on September 22. Bracketing levels were completed by RAINIER personnel at the end of September at all three gages. Closing levels were completed at the Columbia Bay gage on October 9 and closing levels at both Storey Island gages will be conducted at the end of the project.

The control station was Valdez, Alaska (945-4240). Opening levels of the control station were performed by RAINIER personnel on September 16, 1994. Closing levels at Valdez, Alaska will be completed by RAINIER personnel during the final inport October 28-31, 1994.

The station description, field tide records, and Preliminary Field Tide Note (Appendix V) were forwarded to N/OES212 in accordance with HSG 50 and FPM 4.3 at the end of September. The final tide package will be forwarded to N/OES212 at the end of the project. A request for approved tides was forwarded to N/OES2 in accordance with FPM 4.2.3. *Approved tide note dated January 17, 1995 is attached.*

* Filed with the survey records.