

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</u> <u>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 bench marks were conducted upon installation. A new staff was installed and leveled at Columbia Bay, when the original was destroyed by ice on September 9. A new staff was installed and leveled at Storey on September 28, after the original was destroyed in a storm. Tides data were collected continuously at Storey Island during data acquisition, while data from the Columbia Bay was continuous from installation to September 6, when the orifice tubing was pulled out by ice, and from September 6 through September 18, when the orifice was pulled out by ice again. The orifice was reinstalled and ran continuously through September 29. A second backup gage was installed at Columbia Bay on September 21. In addition, another gage was installed at a new location on Storey Island (945-4571) on September 21 as a secondary gage for station 945-4553. Opening levels were conducted on September 22. Bracketing levels at all three gage sites were completed by RAINIER personnel on September 28-29.

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 will be forwarded to N/OES2 in accordance with FPM 4.2.3. *Approved tide note dated January 17, 1995 is attached.*