

Tide Correctors ✓

Juneau, Alaska tide station (945-2210) served as control for datum for determination at all subordinate stations for this project.

Predicted tides for the project were provided on diskette by N/CG241 for the Juneau, Alaska reference station (945-2210).

Tidal correctors were obtained from the 1995 Tide Tables for West Coast of North and South America, Table 2 in accordance with the project instructions. The correctors for this sheet are:

		Time Correction		Height Correction	
Number	Position	High	Low	High	Low
1673	57/18 N 133/28 W	-0:21	-0:17	-0.8	-0.1

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

RAINIER personnel installed 8200 digital gages at The Brothers (945-1785) on April 11, 1995 and Cannery Cove (945-1781) on May 2, 1995. The staff was connected to five benchmarks at each station during all level runs. Opening levels were completed at The Brothers on April 12, 1995 and Cannery Wharf on May 2, 1995. Both tide gages operated continuously during data acquisition.

* Filed with the hydrographic data.

Closing levels were completed at The Brothers and Cannery Cove on May 17, 1994. During closing levels at Cannery Cove, the difference in elevation agreed to within 0.001m. The difference between opening and closing levels was 0.006m. The section that exceeded 0.003m between opening and closing levels, staff to 1781B, was re-run and closed to within 0.001m. During closing levels at The Brothers, the difference in elevation agreed to within 0.002m. The difference between opening and closing levels was 0.006m. The sections that exceeded 0.003m between opening and closing levels, staff to 1785B and 1785D to 1785E, were re-run and closed to within 0.000m.

The Cannery Cove tide gage was not installed until the second day of the survey, May 2, 1995 (DN 122). The gage was not available until the second day of the survey. The hydrographer recommends that the data from the Good Island tide gage be used during the period that Cannery Cove was not installed. This is based on the fact that the tide gage at Good Island is significantly closer to the North part of this survey than Cannery Cove. As a result of this delay in the installation, the gage did not operate for the full 30 days. *The Cannery Cove tide gage was not used on this survey.*

The station descriptions, field tide records, and Final Field Tide Notes (Appendix V) ^{*} have been forwarded to N/OES212 in accordance with HSG 50 and FPM 4.3. A request for approved tides was forwarded to N/OES2 in accordance with FPM 4.2.3. *Approved Tide Note dated August 28, 1995 is attached.*