

Tide Correctors ✓

Predicted tides for the project were provided on diskette by N/CG241 for the Nikiski, Alaska reference station (945-5760). Tidal correctors as provided in the project instructions for Zone VI are:

	<u>Time Correction</u>	<u>Height Correction</u>
High Water	-0 25	none
Low Water	-0 25	none

Portions of this survey fall in tide zones III, IV, V, and VI, but the Zone VI encompasses most of the sheet. For ease of acquisition and processing, all depths were reduced using the corrections for Zone VI.

* Filed with the hydrographic data.

HDAPS listings of the data used in generating tide corrector tables are included in Appendix V of this report. and are filed with the hydrographic data

Seldovia, AK (945-550) was used as the primary control station for datum determination.

RAINIER personnel installed 8200 digital gages at Nikiski, Alaska (945-5760) on May 22, 1995 and Chinulna Point (945-5735) on May 27, 1995. The staff was connected to five benchmarks at both stations during opening and closing level runs. Opening levels completed May 22, 1995 at Nikiski and on May 28, 1995 at Chinulna Point. On June 17, 1995, the staff at Chinulna Point was found to be broken at the two meter mark, which was the portion above the top of the boulder and the staff stop was gone. It was determined that the staff was probably busted by the debris carried by the strong currents. Since the remainder of the staff was secured directly to the rock face and it was inevitable that the top of the staff would again be broken, a new staff stop was installed at the 1.3m mark on June 18, 1995. The new staff stop was leveled to bench mark 5735A. Both tide gages ran without problems during data acquisition. Closing levels were conducted at Nikiski on July 20, 1995 and at Chinulna Point on July 21, 1995. Both stations were removed on July 21, 1995.

The station descriptions, field tide records, field tide notes and data (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. Tide note dated January 30, 1994 is attached.