Tide Correctors✓

Tidal zoning and correctors applicable to predicted tides for the Hagemeister, Alaska, reference station (945-5089) were provided in the Project Instructions as amended by change No. 2, dated July 18, 1991, and are shown below:

	Zone	Time Correctors	Range Ratio
1.	North of 58°41'00"N	+0 hr 10 min	x1.07

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

Tide gages were installed and maintained by RAINIER personnel at Estus Point (946-5429) and at Pyrite Point (946-5123). The control station was re-established at NOAAS FAIRWEATHER's 1988 site at the south end of Hagemeister Island (946-5089). Due to large discrepancies between crosslines, adjacent mainscheme lines, and prior survey comparisons when plotting soundings with predicted tides, estimated real-time tide data acquired from digital bubblers were applied to semi-smooth sounding plots and the FFS during this project.

The estimated real-time tides were created by comparing raw digital tide data from the Estus Point station (946-5429) with predicted tides for Sheet F's geographic area using LOTUS 1-2-3 graphics. From this comparison of predicted versus real tide curves, a height corrector of -6.0 feet was determined to reduce the raw digital tide data to MLLW. This tide corrector was further refined to -5.5 feet by comparing, at the junction, the soundings of this survey with H-10253 (1:20,000; 1987). Additional sounding lines were run at this junction to ensure adequate comparisons with which to judge the tide corrector. Estimated real-time tides using a tide corrector of -5.5 feet were then applied throughout Sheet F.

The station descriptions, field tide records, and Field Tide Notes have been forwarded to N/OMA1212 in accordance with HSG 50 and FPM 4.3. Requests for approved tides have been forwarded to N/OMA12. Copies of the Field Tide Notes and the request for approved tides are included in Appendix V. ✱