

Tide Correctors

Tide correctors for the project were found in the Tide Table 2 of the published predicted tides for the Juneau, Alaska, reference station (945-2210). Correctors for Hobart Bay (No. 1675) were used for this survey. Tidal correctors are: *Approved tides were used to correct soundings on the smooth sheet, see attached Tide Note.*

	<u>TIME</u> (mins)	<u>HEIGHT</u> (ft)
Low Water	+0.03	-0.1
High Water	-0.06	-1.1

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 The Brothers, Frederick Sound (945-1785), Port Houghton (945-1771), Windham Bay (945-1962), Hobart Bay (Inside)(945-1872) and a temporary station inside The Salt Chuck. The control station was Juneau, Alaska (945-2210). Opening levels for the control station were completed by RAINIER personnel on April 2, 1993. Closing levels were completed by RAINIER personnel on April 16, 1993.

The tidal range in The Salt Chuck is limited to the top several feet of the Hobart Bay tide range. A sill in the channel connecting The Salt Chuck to Hobart Bay prevents the water level within The Salt Chuck from dropping to Hobart Bay low tide levels. Data from the temporary gage will be used to determine the range and time of tide within The Salt Chuck.

The station descriptions, field tide records, and Field Tide Notes will be forwarded to N/OES212, in accordance with HSG 50 and FPM 4.3, at the end of the project. Requests for approved tides will be forwarded to N/OES2.