

Tide Correctors

The tidal reference station used for this survey was Ugaiushak Island, Alaska (945-8553). A 0.94 range ratio corrector was applied. Time correctors were direct.

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

* Filed with the hydrographic data.

In 1993 tide gages were installed and maintained by RAINIER personnel at Foggy Cape, Sutwik Island, Alaska (945-8582), Ugiaushak Island, Alaska (945-8553), Cape Kunmik, Alaska (945-8631), and Kumlik Island, Alaska (945-8704). The control station was Sand Point, Alaska (945-9450). Closing levels for the tide stations were completed by RAINIER personnel at the conclusion of the project. The control station was levelled on July 24, 1993.

In 1994 tide gages were installed and maintained by RAINIER personnel at West End of Sutwik Island, Alaska (945-8665) and Kumlik Island, Alaska (945-8704). Opening levels were conducted on both stations upon installation. The control station was Sand Point, Alaska (945-9450). Opening levels for the control station were conducted by RAINIER personnel on May 21-22, 1994. Closing levels for the tide stations will be completed by RAINIER personnel at the conclusion of the project. Closing levels at Sand Point, Alaska will be completed by the Pacific Operation Section N/OES214 during their annual visit in late July as per phone conversation with Mr. Mike Gibson (OES212).

The station descriptions, field tide records, and Field Tide Note (Appendix V)*will be forwarded to N/OES212 monthly in accordance with HSG 50 and FPM 4.3, and at the end of the project. Requests for approved tides will be forwarded to N/OES2 at the beginning of July when bracketing levels will be completed. *Tide Notes dated January 5, 1994 and October 28, 1994 are attached.*

Kumlik Island (945-8704) was installed on May 26, 1994, DN 146. Two 8200 digital gages were placed at the site. A problem was noted during the initial three hour observation. The two gage's pressure readings were not in agreement. The gage that appeared to be reading incorrectly was removed and examined by RAINIER personnel. The slope and offset values in the gage were incorrect. N/OES214 was contacted and the correct values were entered into the gage. The tides for West End of Sutwik Island (945-8665) should be used for May 27, 1994, DN 147.