

March 26, 1984

DATE:

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Pacific

OPR: 0168

Hydrographic Sheet: H - 10115

Locality: Behm Canal, Alaska

Time Period: October 5 - November 3, 1983

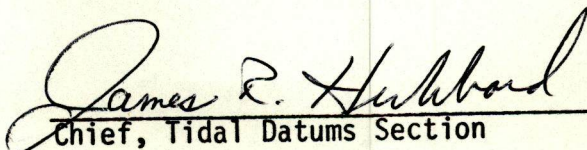
Tide Station Used: 945 0511 Vallenar Point, Alaska

Plane of Reference (Mean Lower Low Water): 17.37 Ft.

Height of Mean High Water Above Plane of Reference: 14.6 Ft.

Remarks: Recommended Zoning:

Zone Direct Zone


Chief, Tidal Datums Section

FIELD TIDE NOTE
RA-20-2-83

Field tide reduction of soundings for survey H-10115 was based on predicted tides from Ketchikan, Alaska (945-0460). Corrections were obtained from Preliminary Tidal Zoning OPR-0168-RA-83. The predicted tides were derived using program AM500.

The reference station at Ketchikan was leveled at the beginning of survey operations on September 22, 1983. Three permanent benchmarks (including the primary mark) were connected to the ETG reading mark. Levels were run at the end of survey operations on November 14, 1983. Initial and final levels compared favorably.

One subordinate station provided data for survey H-10115.

A bubbler tide gage was installed on September 24, 1983 at the historical site on Vallenar Point (945-0511), 55° 25.6' N, 131° 50.8' W. Three permanent benchmarks were recovered and two new benchmarks were established at this location. Initial levels were run on September 24, 1983. The staff value of the zero line on the analog tide record is +12.6 feet. The gage operated well throughout the time of hydrography except for a period of 18 hours on JD 298 when a gap in the record occurred due to a paper jam. Final levels for this gage were run on November 15, 1983. Comparison of initial and final levels indicated that no significant movement of the staff occurred during the survey period.

An additional bubbler tide bubbler tide gage was installed on October 19, 1983 in Convenient Cove (945-0807), 55° 52.08' N, 131° 41.3' W. Five permanent benchmarks were established and leveled on October 20, 1983. The staff value of the zero line on the analog tide record is +13.0 feet. The gage operated well throughout the period of hydrography. Final levels for this gage were run on November 18, 1983. Comparison of initial and final levels indicated that no significant movement of the staff occurred during the survey period.

The time meridian used for records annotation at all sites was 0° (UTC).