

DATE: February 8, 1983

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

TIDE NOTE FOR HYDROGRAPHIC SHEET

Processing Division: Pacific Marine Center:

Hourly heights are approved for

Tide Station Used (NOAA Form 77-12): 945-0398 NE Arm, Boca De Quadra, Alaska

Period: November 2-16, 1982

HYDROGRAPHIC SHEET: H-10063

OPR: 0361


Locality: Boca De Quadra, Alaska

Plane of reference (mean lower low water): 5.8 ft.

Height of Mean High Water above Plane of Reference is 14.2 ft.

REMARKS: Recommended Zoning:

Zone Direct


Chief, Tidal Datums Section, Tides & Water
Levels Branch

Field Tide Note

Field tide reduction of soundings for survey H-10063 was based on predicted tides from Ketchikan, Alaska. Corrections were obtained from Preliminary Tidal Zoning OPR-0361-RA-82. The predicted tides were derived using program AM500. The reference station, Ketchikan, Alaska (945-0460), Lat. $55^{\circ} 19.5' N$, Long. $131^{\circ} 37.5' W$, was leveled on October 2 and November 12, 1982. These levels agreed with the historic records.

Two subordinate tide stations provided data for survey H-10063. The Kestrel Tide Gage (945-0305), Lat. $55^{\circ} 07.1' N$, Long. $130^{\circ} 47.9' W$, was installed on September 28, and removed on November 20, 1982. Initial and final levels for this gage were run on September 28 and November 17, 1982. The staff value of the zero line on the tide record was +5.0 feet and the time meridian for records annotation was 0° (UTC). The gage operated very well the entire period. ✓

The Boca de Quadra, Northeast Arm Tide Gage (945-0398), Lat. $55^{\circ} 18.7' N$, Long. $130^{\circ} 29.5' W$, was installed on November 3 and removed on November 20, 1982. Initial and final levels for this gage were run on November 3 and 18, 1982. The staff value of the zero line on the tide record was +1.7 feet and the time meridian for records annotation was 0° (UTC).

Both the Kestrel and Boca de Quadra gages operated very well.