

ORIGINAL

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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: August 26, 1991

MARINE CENTER: Pacific

OPR: R184

HYDROGRAPHIC SHEET: H-10345 (REVISED)

LOCALITY: Nine Miles South of The Twins, Bristol Bay,
Alaska

TIME PERIOD: June 11 - August 7, 1990

TIDE STATIONS USED: 946-5182 Black Rock, Alaska
(444-5182 PREDICTED DATA)
Lat. 58° 42.5'N Lon. 160° 11.3'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.00 ft.

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 9.0 ft.

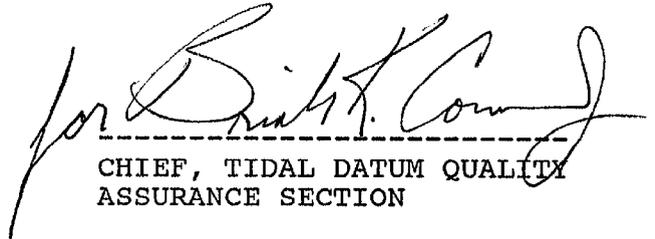
REMARKS:

The type of tide at Hagemeister Island is significantly different from the tide at Black Rock, Alaska. The area covered by this H-sheet is south of Black Rock and west towards Hagemeister Island. Problems were encountered in an attempt to zone Hagemeister Is. data to cover this area so that it junctions adequately with adjacent sheets that were previously zoned from Black Rock. It appears that the type of tide in this area is more similar to that of Black Rock than Hagemeister Island. Black Rock was not operating during this field operation. The difference between the predicted data and observed data at Hagemeister Island, which was operating, was reasonably small, being an average of 0.02 foot. It is reasonable to assume that the difference between the predicted and observed for Black Rock would also be reasonably small for the same time period. Therefore, it is recommended that predicted data for Black Rock be used to zone from for this H-sheet.

RECOMMENDED ZONING:

1. East of $160^{\circ} 20.0'W$, times are direct and apply a x0.80 range ratio to Black Rock Predictions (444-5182).
2. West of $160^{\circ} 20.0'W$, apply a +15 min. and apply a x0.80 range ratio to Black Rock Predictions (444-5182).

Note: Times are tabulated in Greenwich Mean Time.

A handwritten signature in black ink, appearing to read "for Bright County", is written over a horizontal dashed line. Below the line, the text "CHIEF, TIDAL DATUM QUALITY ASSURANCE SECTION" is printed in a bold, sans-serif font.

CHIEF, TIDAL DATUM QUALITY
ASSURANCE SECTION