

December 8, 1981 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): 945-6992 Takli Island, AK

Period: August 19-23, 1981

HYDROGRAPHIC SHEET: H-9973

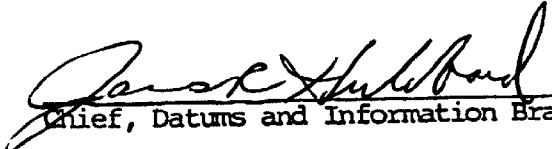
OPR: S-P106

Locality: Amalik Bay, Shelikof Straits, Alaska

Plane of reference (mean lower low water): 9.9 ft.

Height of Mean High Water above Plane of Reference is 12.0 ft.

REMARKS: Zone Direct


Chief, Datums and Information Branch

FIELD TIDE NOTE

S-P106-FA-81

Geographic Harbor, Alaska

Field tide reduction of soundings was based on predicted tides from Seldovia, Alaska with correctors as per Project Instructions as follows:

<u>Time Correctors</u>		<u>Height Correction Ratio</u>
<u>High</u>	<u>Low</u>	
-10 minutes	+5 minutes	x 0.70

Correctors were interpolated by the Hydroplot system using AM 500. All times of both predicted and recorded tides were based on Greenwich Mean Time (GMT). The predicted tides were acceptable for hydrography with no discrepancies attributable to tide errors.

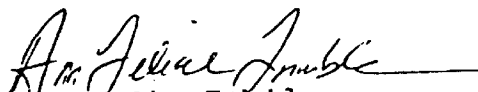
Bristol Bubbler gage, 68A9333, was installed at Takli Island tide station, #945-6992, at 58°03.8'N, 154°28.6'W. Three wire levels were run to five benchmarks on August 8, 1981, when the gage was installed, and again on August 24, 1981 when the gage was removed. Tide data from this station was used to control one survey, FA-10-4-81, H-9519, August 19-24, 1981.

On August 13, the gage was found to have stopped because the drive spring had broken. The entire clock mechanism was replaced on August 18 with the component from gage #67A16208, obtained from the DAVIDSON. No hydrography was run during this period.

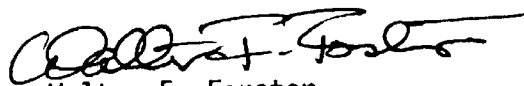
On August 19, at 2230Z, the pen was found to have stopped writing. The marigram was removed and the pen restarted at 223840Z. Tides will have to be interpolated from 1920 to 2238Z on this day as hydrography was run between these times.

No other problems were noted with this tide station. All tide data was abstracted for hourly heights.

Submitted by:


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Approved by:


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