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S.H.A.
2913
1907

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tamm
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

2449 Sheet No. *2913*

LOCALITY:

Flevoe narrows
Prince of Wales
Island

1907

CHIEF OF PARTY:

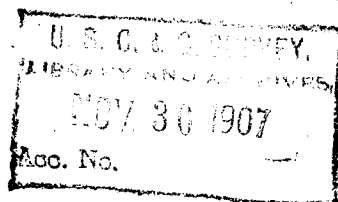
E. F. Dierks

U. S. G. & G. SURVEY.
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY
Washington



Descriptive Report
to accompany Hydrographic sheet No. 2913,
Herak Narrows, Prince of Wales Island, Alaska.

A plane tide staff was established at North Bay, Ball Island, Alaska, to be used in connection with this work. The sounding was done from small launch with hand lead and machine.

On account of the strong current (about 6 to 8 knot) in the main channel on the west side of Block Island in Herak Narrows, it was necessary to do the work in this immediate vicinity at the time of slack water, which time is very short. This channel is clear.

The channel on the east side of Block Island is foul and no attempt was made to sound it.

A rock with kelp patch, about 150 or 200 meters north of Block Island, was examined but only a few lines run over it as it is outside the boat channel. A rock, with kelp patch, about 500 meters S. W. (approx) of Cabin, was examined and sufficient lines run over it to give its position.

Except the rocks mentioned, the channel is practically clear, with an average depth of about 15 to 20 fathoms.

The islands through this passage are either uncharted or out of position, but the positions are determined on sextant topographic sheet.

Respectfully submitted

Albert J. Rude,
Asst. C. & G. Survey.

notes.

at the office, Washington, a 10-000 scale projection was made and the hydrography plotted on it. The soundings were spaced according to a note by the officer in charge at the end of each day's work.

The shoreline; kelp patches, and rocks on this smooth sheet are from boat sheet and from approximate distances given in the sounding record. The remaining shoreline can be taken from Topographic Sheet 2838, 1000 all shoreline is sketched.

Before plotting soundings, the records were turned over to Tidal Division and reducers entered and soundings reduced.

Albert J. Rude,
Asst.

Hyd Sheet No 2913

June 8, 1908.

Positions 1 & 2a could not be plotted as there is evidently something wrong with the angles given or a mistake was made in recording the signals.

Position 3a was not plotted for the reason that "Stony" is not on the sheet and there are no angles given with which to locate it.

A description of the beginning & ending of lines was not always stated or the course of the boat given.

A note in the sounding book states that owing to the strong & variable current, soundings were spaced by estimated distances rather than by time. Under such conditions angles should have been taken and position determined for each sounding.

No attempt was made to develop the shoals

H. L. Simons

V.E.C.
Aug:3, 1908.

HYDROGRAPHIC SHEET NO. 2913.

Tlevak Narrows, Prince of Wales Island, S.E.
Alaska, by Asst. E.F. Dickins in 1907.

TIDES.

	North Bay ft.
Mean lower low water, or plane of reference on staff	-0.5
Lowest tide observed " "	1.3
Highest " " " "	15.4
Mean range of tides	11.7

Coast and Geodetic Survey
AUG 3 1908
TIDAL DIVISION.

Applied 8/4-08

Statistics for St. Edney

Date	Letter	Fol	Soundings	Angles	Miles	Boat
1907						
Oct 10	a	1	255	236	15.5	Lanark #117
" 11	b	1	211	158	7.7	" "
" 12	c	1	97	96	5.5	" "
		1	563	490	28.7	

Soundings
positions plotted by Gilbert T. Rude Asst
Checked & verified by H. L. Simon