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3547^A

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5613

DESCRIPTIVE REPORT.
Hyd. 3783^a
Sheet No. *Top. 3547^a*

LOCALITY:
Hassler Harbor
S. E. Alaska

1915

CHIEF OF PARTY:
C. G. Quillian

3783^A
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DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC
AND TOPOGRAPHIC SHEETS OF HASSLER HARBOR,
ANNETTE ISLAND, ALASKA.

- LIMITS and AREA -

This work was done on one sheet, scale 1/5,000, and includes all of Hassler Harbor proper, (one topographic and one hydrographic sheet). The area surveyed extends from Harbor Point to the prominent point about half way to Reef Point, and the hydrography extends about 3/4 of a mile off the main shore.

- GENERAL DESCRIPTION -

Hassler Harbor is on the north end of Annette Island and lies about 1-1/2 miles south of Bold Island. The harbor is found ^{rm} by a bend in the main shore of Annette Island, together with Pow Island which lies far enough off shore to allow swinging room for small vessels.

- DETAILED DESCRIPTION -

Hassler Harbor is from 1/8 to 1/4 mile wide. Pow Island, which is about 1/4 mile in diameter, is heavily wooded and is about 100 feet in elevation to tree tops. About 300 yards west of Pow Island there is a rock which is about 75 yards in diameter and 10 feet in elevation. This rock is partly covered by grass, and has a white sand beach on the inshore side, and a large boulder near its highest point. The passage between this rock and Pow Island is closed at low water. There is a shoal, with a least depth of about 1 fathom, lying about 1/2 mile northwest of Pow Island. Another shoal, with a least depth of about 7 fathoms, lies about 1/4 mile north of this shoal. There is also a shoal about 600 yards west of the rock to the westward of Pow Island, with a least depth of about 2-1/2 fathoms. The cove at the western extremity of this work is shallow and unimportant and terminates in a shallow creek which extends some distance back. Several small bays extend back from the harbor, but they are very

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shallow and unimportant. There is a dangerous rock (channel rock) in the passage between Pow Island and Harbor Point, in mid channel, which bares 6/10 of a foot at M.L.L.W. The water between this rock and the main shore to the eastward is very shoal. Entrance Rock is another dangerous rock lying about 400 yards N.E. of Pow Island, with a least depth of about 8 feet. (1 1/2 fath)

- ANCHORAGES -

There are three anchorages in Hassler Harbor which can be used:- (1) The inner anchorage, which is in midchannel E.S.E. from Pow Island, can be used in moderate weather. Vessels may anchor here in about seven fathoms of water, sand bottom, with about 30 fathoms of chain out, and trail clear of Pow Island which is quite steep close to shore on this side. This anchorage, however, is only recommended for vessels not over 200 feet in length, and to be used only in moderate weather. Southeast gales draw over Harbor Point and render this anchorage dangerous in heavy weather. (2) During bad weather it is better to use the middle anchorage in mid-channel S.W. of Pow Island and S.S.E. of the rock to the westward of Pow Island, where vessels may anchor in twelve fathoms of water, sand bottom. (3) The safest anchorage is about 300 yards west of the rock off Pow Island, with same in range, where vessels may anchor in 7 to 8 fathoms of water, sand bottom, and have room to maneuver in bad weather.

- SAILING DIRECTIONS -

Vessels approaching Hassler Harbor from the westward should lay a course so as to strike about half way between the rock to the westward of Pow Island and the first prominent point to the westward. When about 200 yards off shore the course should be changed so as to head mid way between Pow Island and the main shore. In passing Pow Island it is better to favor the south shore. The east channel into Hassler Harbor is foul and narrow and vessels using same should be very cautious in keeping clear of Channel and Entrance Rocks. Harbor

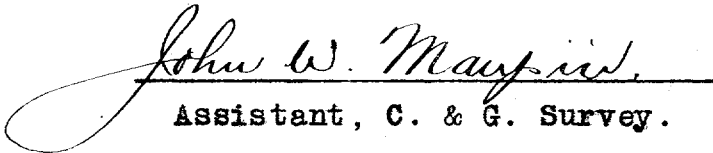
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Point should be rounded at a distance of about 100 yards and a course laid to clear the east shore of Pow Island about 50 yards. When the north end of Pow Island is abeam the course should be changed to E. SE. (Mag.) to make the inner anchorage.

- MISCELLANEOUS -

The usual survey methods were used in making this survey. The hand lead was used up to about 15 fathoms in whaleboat and the launch and sounding machine was used in deeper water. There is not very much current running through Hassler Harbor, and a vessel anchored in the inner harbor generally trails with its stern toward Pow Island. Generally speaking, the anchorages in Hassler Harbor are recommended only as temporary ones for small vessels in moderate weather.

Respectfully submitted,


Assistant, C. & G. Survey.

JWM/MDG.

VEC
Mar. 22, 1916

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HYDROGRAPHIC SHEET 3783a.

Hassler Harbor, Alaska, by Assistant C. G. Quillian,
in 1915.

TIDES.

	Hassler Harbor ft.
Mean lower low water, or plane of reference on staff	1.9
Lowest tide observed " "	-1.8
Highest " " " "	21.3
Mean range of tide	13.4

Hyd. Sheet No. 3783^a

Within the limits of the work, the ground has been thoroughly covered and shoal indications carefully developed.

Attention is called to the fact that Top. Sheet No 3547 shows a rock awash, about a hundred meters east of Δ Slant, while Top. Sheet No 3547^a, (scale 1-5,000) does not show any there. This rock has been added to both Hyd. 3783 and Hyd. 3783^a and should be taken off, if found to be erroneous.

R. L. Johnston

Soundings shown in fathoms.

For title sheet see path on desk left
upper registers