

3795

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Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5613

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3795*

LOCALITY:

Southeast Alaska
Portillo Channel

1915

CHIEF OF PARTY:

F. H. Hardy

3795

3795

Coast and Geodetic Survey

Dr. E. L. Jones Superintendent

A Descriptive Report to accompany Hydrographic Sheet No. X. 3795.

Portillo Channel, S. E. Alaska

Sept = Oct. 1915.

By party on Str. Gedney

F. H. Hardy, Assistant

Chief of Party.

Scale and Control

This work was done on a scale of 1 / 10,000. Signals were located by triangulation or by the topographer.

Method of Sounding

All soundings either with the hand lead or machine were up and down casts. The depths of machine soundings were read from a registering pulley, the launch being stopped for each cast. Lines were spaced 100 meters except at the northern entrance to the channel where greater depths were secured. With the exception of two days work at the northern entrance which was executed by Assistant Cambell, all work was done by Mr. Keyes in Launch #117.

Importance

When the chart of this channel is published, fishing vessels from the canners at Warm Chuck, Karheen, and Shaken will pass through this body of water on their way to and from Forrester Island, as well as vessels from Waterfall cannery bound for the fishing grounds off northern coast of Noyes Island. Owing to the number of accidents which have occurred in Portillo channel, it is at present little used, and the canners are desirous of getting a chart of this locality.

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Descriptive Report to accompany Hydrographic Sheet No.4
F. H. Hardy 1915.

Attention is called to a rough sketch of range used in southern part of Portillo Channel, by Mr. Keyes, shown in the back of volume 3 of the Sounding records.

Respectfully Submitted

F. H. Hardy

Assistant C. & G. Survey

To the Superintendent

U. S. Coast & Geodetic Survey.

STATISTICS.

For Hydrographic Sheet #4 3795

Portillo Channel,

West Coast of Prince of Wales Island,

S. E. Alaska.

Season 1915.

F. H. Hardy.

| Date. | Letter. | Vol. | Posi tions. | Sound ings. | Miles Statute. | Angles. | Vessel. |
|------------|---------|-------|----------------|----------------|-------------------|---------|-------------|
| Sept. 21 | a | 1 | 206 | 633 | 18.7 | 402 | Launch #117 |
| " 22 | b | 1 | 101 | 495 | 10.5 | 202 | " " |
| " 23 | c | 2 | 166 | 752 | 14.0 | 330 | " " |
| " 29 | d | 2 | 140 | 632 | 10.0 | 279 | " " |
| " 30 | e | 3 | 200 | 786 | 20.0 | 399 | " " |
| Oct. 1 | f | 3-4 | 186 | 606 | 21.0 | 372 | " " |
| " 2 | g | 4 | 128 | 378 | 11.6 | 255 | " " |
| " 4 | a | 1 | 8 | 15 | 1.2 | 16 | Cosmos. |
| " 5 | h | 4 | 38 | 104 | 3.3 | 74 | Launch #117 |
| " 5 | b | 1 | 123 | 184 | 15.7 | 249 | Cosmos. |
| " 6 | j | 4-5 | 114 | 306 | 11.1 | 225 | Launch #117 |
| " 8 | k | 5 | 69 | 183 | 7.3 | 138 | " " |
| " 8 | c | 1 | 81 | 100 | 8.6 | 165 | Cosmos. |
| " 9 | d | 1 | 122 | 170 | 10.1 | 250 | " " |
| " 9 | l | 5 | 123 | 353 | 10.6 | 243 | Launch #117 |
| TOTAL..... | | | 1805 | 5697 | 173.7 | 3599 | |

VEC
Jan. 31, 1916

BFL

HYDROGRAPHIC SHEET 3795.

Portillo Channel, west coast of Prince of Wales Island,
Alaska, by Assistant F. H. Hardy in 1915.

TIDES.

| | Craig ft. |
|---|--------------|
| Mean lower low water, or plane of reference on staff | 8.3 |
| Lowest tide observed " " | 5.0 |
| Highest " " " " | 20.8 |
| Mean range of tide | 7.9 |

DEPARTMENT OF COMMERCE

Hydrographic sheet No. 3795

Portillo Chanel, West coast of Prince of Wales Id.

Alaska.

The positions for the work on this sheet were protracted partially by the field party and partially in this office and have been taken, in general, as correct, being verified only when necessary to locate a position or when it was thought errors existed. As no errors were found this portion of the work is considered good.

The soundings were plotted by Mr. Schoppe and presumably in this office as it would appear that Mr. Schoppe was not a member of the party on this work. This portion of the work is considered good.

The field work is considered good and appears to develop the bottom conditions as to channels, shoals and danger spots to good advantage.

Soundings plotted in fathoms.

John D. Torrey

12/11/16.

DEPARTMENT OF COMMERCE

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Place with descriptive report
of hydrographic sheet No. 3795
J.
Drawing Section.

Hydrographic Sheet No. 3795
Portillo Channel Alaska

The positions for the work covered by this sheet were plotted by Mr. Ziemann and it is presumed that it was done in this office.

The position has been taken as correct being verified only in a few cases when necessary to locate an indefinite position or when an error appeared possible. When verified no errors were found.

The soundings were pencil plotted by Messrs. Raynor & Schappe and found to be generally correct.

The field work appears good and sufficient to make a satisfactory development.

There appears to be no descriptive report for this sheet although it would appear that one should have been submitted.

Soundings are plotted in fathoms.

John D. Torrey