

4168

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

State: SE Alaska

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. 4168

LOCALITY:

Chichagof I. - W. Coast

Hill I. and Upper Part of

Portlock Hbr. and Vic.

1925

CHIEF OF PARTY:

A. M. Sobieralski

30044

4168

DEPARTMENT OF COMMERCE

U.S. Coast and Geodetic Survey.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. _____

S. E. Alaska
West Coast of Chichagof Island
Imperial Passage and Portlock Harbor

season 1925

Str. Surveyor

A. M. Sobieralski Com'd

TOPOGRAPHIC REPORT TO ACCOMPANY SHEET NO. 3 (Field No.)

Register No. _____

This sheet extends from the south side of Imperial Passage to a little distance north of Dry Pass and includes the northern portion of Portlock Harbor, Didrickson Bay, Deep Bay and the greater part of Pinta Bay.

- GENERAL DESCRIPTION -

The shore line is steep and rocky. The area is wooded with spruce mostly with some fir and a few small deciduous trees.

The area consists of rounded mountains, the highest is 1890 feet and wooded to within a short distance of the top. The best landmark, however, is a high wooded hill, 1352 feet, located between Deep Bay and Pinta Bay and comes to a sharp peak. (*Pinta Pk.*)

- DETAIL DESCRIPTION -

Hill Island is a large wooded island $2\frac{1}{2}$ miles long and 2 miles at the widest part. The highest point is 637 feet and is located in about the center. The northwestern portion is almost a flat plateau sparsely wooded with scrub spruce. Otherwise the island is well timbered.

Cape Dearburn is the most westward point of Hill Island. It is a steep bluff about 80 feet high with trees a short distance back.

Imperial Passage located between Hogan and Hill Islands, is the main pass into Portlock Harbor. It has a clear width of 500 meters at the narrowest point opposite Peer Island. The group of islands extending off Hogan Island make a good landmark. The inshore small islands have a few trees, the farthest one out in this group has two small knobs, grass covered. There are two rock islands 200 meters apart lying 500 meters west and a little north of the grass covered island. Two hundred meters west of these are two rocks which bare at low water.

There is a fixed white light on the north side of this passage at a height of 20 feet.

Portlock Harbor, in the portion shown on this sheet is clear except for a few rocks near shore and Fran Reef (suggested name) and the rock near entrance to Pinta Bay which bares 4 feet at low water.

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Dry Pass, connecting the northern end of Portlock Harbor with the ocean, is barely 130 meters wide at the seaward end, expanding into a bay 650 meters wide and then contracting again to a width of 125 meters. There are several small islets in the wider part of the channel. The seaward entrance is obstructed by 3 rocks, the northernmost being awash at H.W., while the other two are awash at L.W. There is a heavy growth of kelp and it breaks across the entrance in moderate swell. Small boats and launches use this pass in smooth weather and at high water. The two rocks showing at L.L.W. in the center of the wider area can be passed on either side.

Goulding Harbor *
~~Pinta Bay~~ extends from the northern end of Portlock Harbor, two miles in a northeasterly direction. It is irregular shaped varying from 225 meters at the entrance and widening to 600 meters opposite Baker's Cove (local name). Past Baker Cove there are several small wooded islands and leave only a 70 meter channel past the last islet where it widens again for a short distance, but in this area are two rocks baring at low water and a sunken rock 100 meters from the southern shore which is favored in passing.

*B.B. division
J.W.H.
✓

The second cove is mostly sand and gravel flats baring at Low Water. With local knowledge it is possible to take launches not drawing more than 4 feet to the head of the cove at H.H.W. and tying up in the mouth of the large stream which empties into the bay. This is done by the owners of a small gold mine located a mile inland at an elevation of 1000 feet. Once the stream is reached there is enough water for small boats at any stage of the tide.

Pinta Bay *
Deep Bay on the ^{east} ~~west~~ side of Portlock Harbor is two miles long narrowing down from 900 meters at the entrance to 190 meters at the head. Its entrance is one mile south of Pinta Bay and is marked by two small wooded islands which join at low water.

Didrickson Bay is one-half mile south of Deep bay, being 1500 meters long, 330 meters wide at the entrance and of the same general width throughout. It has a 6 foot waterfall at the head which is easily distinguished from the entrance. The stream has a good flow at all seasons.

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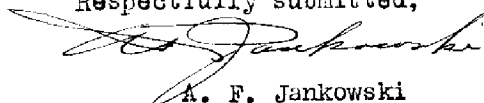
- SURVEY METHODS -

The plane table was used entirely on this area. The traverses checked within the allowable limits. In the Deep Bay and Pinta Bay traverses where no check was available, a double traverse was run for distance and lines as long as possible were used for azimuths.

Dry Pass was resurveyed as it failed to check by 35 meters, though the old work checked exactly at \odot Dry. Since signals for hydrography were needed and those recoverable were insufficient, it was decided to resurvey the whole section with little additional work, especially since no marked station was available near the eastern end of the old survey. No discrepancy in the trend of the shoreline was found.

The Topographic Stations Pock, Ro, Nar and Dry were relocated by traverse and checked exactly.

Respectfully submitted,



A. F. Jankowski

Aid, C. & G. Survey

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U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

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U. S. Coast and Geodetic Survey.

Register No. 4168

State . . . S. E. Alaska

General locality Chichagof I. ~ W. Coast
~~West Coast of Chichagof Island~~

Locality Hill 1. and Upper Part of Portlock Hbr. and Vic.
~~Northern Portlock Hbr. and Imperial Passage~~

Chief of party . . . A. M. Sobieralski

Surveyed by . . A. F. Jankowski

Date of survey . . . Season 1925

Scale . . . 1-10,000

Heights in feet above Mean High Water

Contour interval . 100 . feet.

Inked by . . A. F. Jankowski Lettered by A. F. Jankowski

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, ☒ Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: