

4233

C. & G. SURVEY

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FEB 10 1927

Acc. No.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: S. E. ALASKA.

11-5513

DESCRIPTIVE REPORT.

Topographic

Sheet No.

4233

LOCALITY:

~~PORT REFUGIO~~

E. Coast of Suemez I.

Port Refugio

1926.

CHIEF OF PARTY:

F. B. T. SIENS.

4233

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET OF PORT REFUGIO

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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET OF PORT REFUGIO

1926.

This survey of Port Refugio was made under the Director's instructions of March 9th, 1926. It extends from Point Bocas to San Adrian Island.

GENERAL DESCRIPTION OF COAST: The shores of Port Refugio are rocky for the most part. They are fairly steep along the south side of the entrance and for a short distance along the north side. In the southern part the shore is low and flat with a considerable area exposed at low water and several clear grassy areas above high water. The shores are heavily wooded to the water's edge and all the elevations are wooded except the top of the high ridge south of Point Bocas.

LAND MARKS: San Adrian Island in Ulloa Channel just north of the entrance to Port Refugio forms a well defined landmark. It is covered by trees, the top of which are about 130 feet high. A grass covered rock ten feet high lies 1/3 mile south from the islands. A kelp covered reef extends north northwestward from the rock. A small wooded island 120 feet high, close to Point Verde and a rock islet 8 feet high mark the north side of the entrance to the southwest or main arm of Port Refugio.

ELEVATIONS: The elevations of hills shown on the sheet are the heights in feet above ordinary high water of the tops of the trees except the ridge south of Point Bocas, which is not wooded at the top. The trees have an average height of about 65 feet.

OFFSHORE DANGERS: Between Point Verde on the north side and the next point west of Point Bocas on the south side is an extensive shoal. It is marked by a large patch of an angular, leafy variety of kelp which was well grown by the early part of May.

SURVEY METHODS: The topography of this sheet was done with planetable and stadia based on a system of triangulation which was

determined in 1925. The low water line shown on the sheet and the rocks along the shore north of the entrance were determined by stadia readings at low water.

Respectfully submitted,

Philip R. Hathorne

Philip R. Hathorne,
Aid, C. & G. S.
Topographer.

FEB 2 1927

F. B. T. Siems

APPROVED:

F. B. T. Siems,
Commanding Officer,
U. S. S. EXPLORER.

DEPARTMENT OF COMMERCE

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.

4233

U. S. Coast and Geodetic Survey.

Register No. 4233

State S. E. ALASKA.
General locality . . . ~~Ulloa Channel~~ E. Coast of Suemez I.
Locality . Port Refugio, ~~East Coast Suemez Island~~.
Chief of party . . . F. B. T. Siems.
Surveyed by . Philip R. Hathorne.
Date of survey . . . May 1926
Scale 1:20,000.
Heights in feet above . . Mean high water.
Contour interval . 100 . feet.
Inked by P.R.H. Lettered by . . P.R.H.
Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet

Remarks: