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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
L & A.
FEB 15 1923

State: *S. E. Alaska* A/c. No.

11-5813

DESCRIPTIVE REPORT.

Tape Sheet No. *H* 3995

LOCALITY:

Zimovia Strait

Narrow of

Zimovia Strait

1922

CHIEF OF PARTY:

A. M. Robinson

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET H
Zimovia Strait, S. E. Alaska

Season of 1922

Steamer WENONAH

A. M. SOBIERALSKI, H. & G. E. Chief of Party.

DEPARTMENT OF COMMERCE
U.S.COAST AND GEODETIC SURVEY

E. Lester Jones, Director.

D E S C R I P T I V E R E P O R T

to accompany

TOPOGRAPHIC SHEET "H"

Zimovia Strait, S. E. Alaska.

Scale 1:10,000

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Season of 1922

Steamer WENONAH

A.M.Sobieralski, H.& G.E. Chief of Party.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "H"
Zimovia Strait.

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The work on this sheet covers the same limits as Topographic Sheet #3637 which was only partially finished in 1916. The work of the 1922 season completes this area. Shoreline rerun in 1922 checks very well with that of 1916.

GENERAL DESCRIPTION

The section of Zimovia Strait covered by this sheet runs in a generally N.W. and S.E. direction, starting at a point approximately 1 mile N.W. of the entrance to Thom's Place and running past the deserted Indian village to a point about 1/2 mile east of Anita Point where it joins sheet "G" (of 1922) to the northward. At the S.E. point of beginning Zimovia Strait is approximately 1/2 mile wide. The main channel of the strait maintains this width for approximately 3 miles at which point two islands divide the waterway into thirds. Beyond this point the strait widens considerably, attaining its maximum width at the point where Olive Cove joins. The width here is approximately 1-3/4 miles. From Olive Cove on the strait gradually narrows until at the edge of the sheet it is approximately 1-1/4 miles wide.

The northern shore of the strait starting at its eastern end is for the first mile considerably broken up. A wooded islet lies 100 meters off shore where the work starts. Next comes an inlet about 1/2 mile deep which has several arms and lagoons opening off it and is liberally sprinkled with rocks and small islands. Beyond this inlet, the same abundance of rocks and small islands are found lying fairly close to shore. One mile N.W. of the point of beginning lies a fair sized island with a waterway of 200 meters between it and the shore. N.W. of this island lie two more islands, the closer one being approximately 300 meters off shore. Rocks are found between these islands and between the islands and the shore, making the passage unsafe for boats.

Approximately 2 miles from the starting point lies a small wooded island about 250 meters off the northern shore. The space between this island and those to the S.E. provides an anchorage for fishing craft or small ships. A half mile beyond this island the shore line joins that of sheet #3637 which covers the N. shore of the strait for the next 3 miles.

The remaining mile of the N. shore is fairly regular with the exception of one small bight where a stream enters.

The entire northern shore is fairly flat, gravel beaches being found in most places.

The southern shore is less regular than the N. shore. Three indentations of considerable size break up its continuity.

The first 2-1/4 miles are very regular and fairly steep-to. Next comes Whaletail Cove which is approximately 3/4 mile long and 1/4 mile wide. It runs in a S.E. and N.W. direction. A small island is found 150 meters offshore, 1/4 mile from the N. end. Its outlet is midway on its N.E. shore, and is approximately 1/8 mile wide. This outlet runs approximately 1/8 mile N.E. then turns abruptly to the right and runs 1/4 mile before joining Zimovia Strait. The N.W. half of the cove dries almost entirely at L.W.

A prominent point extends in an easterly direction just N. of the entrance to Whaletail Cove. The N. shore of this point is steep-to. From this point the shore runs westerly for approximately 1-3/4 miles. Then comes a wedge-shaped cove running in a southerly direction. This cove dries entirely at L.W. One half mile west of this cove, a point extends to the N.W.

Olive cove lies to the S.S.W. of Village Islands. It is approximately 1/4 mile wide at its entrance and runs for 7/8 mile in a S.W. direction, being of approximately the same width throughout. At extreme low water the cove is dry for 1/2 mile from its head. A stream of considerable size enters at the head of this cove.

From Olive Cove N.W. to the end of the work, the shoreline is quite regular, gravel beaches being found in most places.

Village islands are a group of islands lying W. of the deserted Indian village, running for approximately in the same general direction as the strait and about 1/2 mile off the northern shore.

Directly south of the deserted Indian village on the southern shore of the strait are found extensive shoals; gravel beaches sprinkled with large boulders appearing at low water as far as 1/4 mile offshore.

Another patch of sand and boulders dries 1 ft. at low water in mid-channel, 2-1/4 miles S.E. of the old Indian village. A buoy (black can) is located to the eastward of this

patch.

The channel for boat passage thru this section of Zimovia Strait is buoyed, each buoy being visible from the next one in each direction.

FORM LINES

Considerable effort was taken to insure sufficient elevations for the determination of form lines. Where elevation could not be obtained the contours are dotted to show the trend of the country.

All the country covered by this sheet is heavily wooded.

NEW NAMES

All names on this sheet were taken from the charts except that of WHALETAIL COVE which is found 2-1/2 miles east of OLIVE COVE. This area on the present charts is shown as incomplete.

Respectfully submitted,

W. G. Fielder.

W. G. FIELDER, Aid
Topographer.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 4-DRM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

March 20, 1923.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3995

Surveyed in 1922

Instructions dated February 18, 1922.

Chief of Party, A. M. Sobieralski.

Surveyed and inked by W. G. Fielder.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the survey fulfill the requirements of the General Instructions except that ~~the magnetic variation is not shown, and also~~ the number of determined elevations is less than one-third of that specified.
3. The plan and extent of the survey satisfy the specific instructions.
4. The field drafting was completed to the extent prescribed in the General Instructions.
5. The junctions with adjacent sheets are satisfactory.
6. No further surveying is required within the limits of the survey.
7. The character and scope of the surveying are excellent except as noted in Paragraph 2. The field drafting is excellent.
8. Reviewed by E. P. Ellis, March, 1923.

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.

U. S. Coast and Geodetic Survey.

Register No. H 3995

State . . . ALASKA

General locality S.E. ALASKA, Zimovia Strait

Locality . . . Narrows of Zimovia Strait

Chief of party . A. M. SOBIERALSKI, H. & G. E.

Surveyed by . . W. G. FIELDER, Aid

Date of survey . Sept. 1922

Scale 1:10,000

Heights in feet above M.S.D.

Contour interval 100 feet.

Inked by W.G.F. . . . Lettered by W.G.F.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: