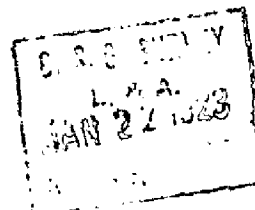


3992



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

State *SE Alaska*

11-5613

DESCRIPTIVE REPORT.

Topo. Sheet No. *3992*

LOCALITY:

Zimovia Strait
Zimovia Strait
and Anita Bay

1922

CHIEF OF PARTY:

A. M. Dobrusalski

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "G"

Zimovia Strait, Anita Bay to Chichagof Pass
S. E. Alaska
Scale 1:20,000

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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.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "G"

Zimovia Strait, Anita Bay to Chichagof Pass
S. E. Alaska

Scale 1:20,000

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Season of 1922

Steamer WENTONAH

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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "G"

Zimovia Strait, Anita Bay to Chichagof Pass

S. E. Alaska.

Scale 1:20,000

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GENERAL DESCRIPTION

The part of Zimovia Strait shown on this sheet, from Anita Point to Chichagof Pass, runs practically north and south; the Strait is about $1\frac{1}{2}$ miles wide at Anita Point, 1 mile wide at Bow Pt. then gradually widens to a width of 2 miles opposite Chichagof Pass.

Turn Island lies about 150 meters off the point of Wrangell Island where Zimovia Strait turns sharply to the eastward. A small islet lies inshore of Turn Island and is connected to it at low water. The shores of Turn Island are generally steep, but a ledge extends about 50 meters off the western shore. About 100 meters to the northward of Turn Island are two rocks which bare at half tide.

The shoreline of Wrangell Island, from Turn Island, northward to the next prominent point (Bow Point) is fairly regular and fairly steep-to. For a mile beyond Bow Point the shore is precipitous. For the rest of the sheet the shore of Wrangell Island is fairly flat with a gravel beach.

Approximately $1\frac{1}{2}$ miles north of Bow Point is a stream of fair size, and at the mouth of this stream the sand delta extends 150 meters offshore.

Approximately $2\frac{1}{3}$ miles north of Bow Point is a group of islands lying 350 meters off the Wrangell Island shore. The general trend of these islands is N. N. W. to S. S. E. The larger island of this group is wooded. Two small islets lie to the north of the wooded island. These smaller islets are bare.

Approximately $\frac{1}{2}$ mile to the northward of these islands lies a rock which bares 12 ft. at L.W. This rock is practically on the line tangent to the western shores of the islands to the south and north of it. It lies 900 meters offshore. To the N. E. of this rock, 580 meters distant, lie three rocks which bare 10 ft at L. W. 300 meters further to the N. E. lies a small wooded island and between this island and the shore of Wrangell Island to the N. E. are several rocks and a generally shoal area. A rock which bares 11 feet at L. W. lies 370 meters to the N. N. E. of this small island.

Three and three quarters miles north of Bow Point lies an island 350 meters off the Wrangell Island shore. This island is approximately 325 meters long and 50 meters wide lying in a W. and S. direction. The waterway between this island and Wrangell Island is deep enough for launch use. A small grass-covered island lies 100 meters to the south of this island. A rock awash at H. W. lies 50 meters from the northern point of the island. Another rock bare 4 feet at H. W. lies to the north, 410 meters distant.

On the western side of Zimovia Strait the sheet starts at Anita Point. On the eastern side of this point there is a gravel flat beach running from 50 to 150 meters offshore sprinkled with boulders. On the western side, the shore is ragged with rocky ledges for the first $1/3$ of a mile after which the shore becomes precipitous.

Anita Bay runs from its entrance S.S.W. about $2\frac{1}{2}$ miles then turns to the west. The entire bay is about 6 miles long. At the entrance it is about 1 mile wide. $1\frac{1}{4}$ miles from the entrance its width narrows to $\frac{1}{2}$ mile, then widens again to a mile. The last 2 miles are about $\frac{1}{2}$ mile wide. The shores are in general steep-to with the following exceptions: 2 miles from the western end of the bay and on the southern side is a blunt point which has a gravel beach sprinkled with boulders extending offshore for 225 meters; the southern shore from this point and the western shore at the end of the bay are quite flat with gravel beaches. On the southern shore of the bay $2/3$ mile from the western end there is a slough running to the southward which is reported by lumbermen in the vicinity to connect with Burnett Inlet and which at high tide has enough water in it to float a skiff. The opportunity to investigate this report was not afforded. A large stream enters the western end of the bay from the northward.

A small bight with rocks at its entrance opens on the west shore at the entrance of Anita Bay directly W. of Anita Point.

One and a $\frac{1}{2}$ mile N. of Anita Point a large stream enters Zimovia Strait. At this point there is a pronounced indentation in the shore line. The entire inlet thus formed entirely dries at L. W.

One and a half mile north of this bay in a prominent steep-to point on which Triangulation Station Konk is located. This point is 2 miles north of Anita Point. The shoreline to the north of this point is very steep and rocky.

Opposite Bow Point is Konk Creek, a large stream which drains two valleys to the westward. This stream has a considerable gravel delta.

A steep, rocky, rounded point lies $1\frac{1}{2}$ miles to the north of Konk Creek. The shoreline for a mile to the N.W. of this point is steep-to, after which the shore flattens and gravel beaches with short pieces of steep shore are found to the northern limits of the sheet.

The sheet ends at the point which marks the intersection of Zimovia Strait and Chichagof Pass, joining with topographic sheet #5626, of Chichagof Pass.

FORM LINES

Every effort was made to obtain sufficient elevations to determine the form lines. Where this was not possible, the form lines were sketched and indicated by dotted lines.

All the country covered by this sheet is heavily wooded to an elevation of about 2400 feet.

The bare peaks to the northward of Anita Bay are conspicuous because of their height and their rugged appearance.

NEW NAMES

All names except the following were taken from the chart.

TURN ISLANDS is located east of the entrance to Anita Bay, close to the eastern shore of Zimovia Strait, where a noticeable change in direction occurs in the sheet.

BOW POINT is a prominent point on the eastern shore of Zimovia Strait $2\frac{1}{2}$ miles north of Turn Island.

ANITA POINT is the name given to the point between Anita Bay and Zimovia Strait.

KONK CREEK is the name given to the stream entering Zimovia Strait opposite Bow Point. This name was found on former progress sketch of this area.

Respectfully Submitted,

W. G. Fielder.

W. G. FIELDER, Aid,
Topographer.

PLANE-TABLE POSITIONS

Anita Bay

Sheet G, 1922.

(Object & description):	Latitude: D. M.	Longitude: D. P.	Height:	Remarks
Signal Names				
	: o ' :Meters	: o ' :Meters	: Approx:	
Alf	: 56 14 : 295	: 132 23 : 963	: 12'	: Hyd.Sta.mk.in
				: large boulder
Pile	: 56 12 : 516	: 132 27 : 278	: 3'	: Hyd.Sta.mk.in
				: boulder flush
				: with beach.
Lot	: 56 12 : 808	: 132 23 : 910	: 1'	: Hyd.Sta.mk.in
				: rock ledge.
May	: 56 11 : 719	: 132 25 : 53	: 3'	: Hyd.Sta.mk.in
				: rock ledge.
Mark	: 56 11 : 389	: 132 26 : 83	: 4'	: Hyd.Sta.mk.in
				: large flat
				: stone.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4--DEM

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

March 20, 1923.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3992.

Surveyed in 1922

Instructions dated February 18, 1922.

Chief of Party, A. M. Sobieralski.

Surveyed by W. G. Fielder.

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 and also satisfy the specific instructions.
3. The field drafting was completed to the extent prescribed in the General Instructions.
4. The junctions with adjacent sheets are satisfactory.
5. No further surveying is required within the limits of the sheet, but it should be noted that the shoreline extending from the upper limits of this sheet to Wrangell remains to be surveyed.
6. The character and scope of the surveying are excellent, the sheet being an unusually good specimen of form line surveying. The field drafting also is excellent.
7. 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. 3992

State . . S. E. ALASKA

General locality . Zimovia Strait

Locality *and Zimovia Strait*
~~Anita Bay to Chichagof Pass~~

Chief of party . A. M. Sobieralski, H. & G. Engineer.

Surveyed by . . W. G. Fielder, Aid.

Date of survey . September and October, 1922

Scale 1:20,000

Heights in feet above Mean Sea Level

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: