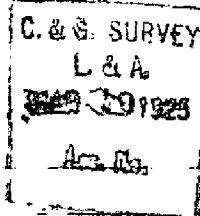


4102



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

State: S. E. Alaska

11-5813

DESCRIPTIVE REPORT.

Thomas Bay No. 2
Topog. Sheet No. 4102

LOCALITY:

Thomas Bay - Upper Part

191
1924

CHIEF OF PARTY:

F. B. T. Siems

2
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DESCRIPTIVE REPORT
to accompany
Topographic Sheet #2 of Thomas Bay

1. This topographic sheet covers most of the northern arm of Thomas Bay up to the Baird Glacier. Ordinarily this work would have been done on Sheet #1 but owing to the limited amount of time available at the end of the season it was necessary to have two topographic parties working in this vicinity at the same time. As a measure of economy a sheet was used which had apparently been prepared for use in some previous year. The survey was made under the Director's instructions of April 19, 1924.

2. General description of shoreline

There are no off-lying dangers in this part of the bay. The shoreline, except for the southern $1\frac{1}{2}$ miles of the west shore, is very steep dropping off abruptly to from 5 to 20 fathoms. In most places the rocky cliffs have been worn smooth probably by past glacial action. Scenery Cove is a narrow arm extending a mile to the east between steep cliffs.

3. Surveying methods

The positions of the three triangulation stations "Wind", "Land", and "Turn" were plotted on the sheet in relation to each other by using the computed distances between them. Plane table triangulation was extended from here to the head of the arm by occupying the various stations. An accurate orientation for use in fitting the projection at a later time was obtained by sighting on signal "Ruth" from "Wind" and marking the ends of the alidade. For about $\frac{1}{2}$ mile between stations "Turn" and "Stub" it was necessary to take sextant positions and sketch the shoreline between them as it was impossible to find a place to set up the plane

table.

Approved: *[Signature]*

[Signature]
O. & G. Survey Comd'g.

:paoaddy

Allen A. Parker
(Topographer)

PLANE TABLE POSITIONS

Name of Signal	Description	Latitude	D.M.	Longitude	D.P.	Remarks
Gay	Whitewash	57 - 03	329	132 - 49	818	
Zim	"	57 - 03	1364	132 - 50	154	On offlying rock
Tree	signal in tree	57 - 03	1525	132 - 50	94	
Cove	whitewash	57 - 04	682	132 - 49	282	
Dix	"	57 - 04	561	132 - 48	781	
Wad	signal	57 - 04	798	132 - 48	193	banner on tree
Ho	"	57 - 04	1005	132 - 47	756	" " "
Tap	"	57 - 04	1312	132 - 47	298	
Mil	whitewash	57 - 04	1238	132 - 47	727	
Der	signal	57 - 04	1083	132 - 48	155	banner on tree
Ban	"	57 - 04	890	132 - 48	724	
Drop	whitewash	57 - 04	1389	132 - 48	948	
Slip	"	57 - 05	521	132 - 48	741	
Tent	signal	57 - 05	1390	132 - 48	650	
Mug	whitewash	57 - 05	1825	132 - 48	485	
Mar	signal	57 - 06	767	132 - 48	369	
Fish	"	57 - 06	594	132 - 49	700	
Chip	whitewash	57 - 05	1243	132 - 50	221	
Stub	signal	57 - 05	380	132 - 50	404	
Zev	whitewash	57 - 04	1240	132 - 51	29	
Dip	"	57 - 04	1071	132 - 52	205	
Roll	"	57 - 04	486	132 - 52	49	
Mit	"	57 - 03	1826	132 - 52	248	
Over	"	57 - 03	1179	132 - 52	430	
Isle	"	57 - 03	361	132 - 52	20	

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. (2) 4102State S.E. Alaska 4102General locality Frederick SoundLocality Thomas Bay - Upper PartChief of party . F.B.T. SiemsSurveyed by . . Allen A. ParkerDate of survey . September 1924Scale 1:20,000Heights in feet above Mean sea levelFormline
~~Contour~~ interval . 100 feet.Inked by . . A.A.P. Lettered by . . A.A.P.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: