

# 4834

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON Director

State: ALASKA

DESCRIPTIVE REPORT

*Topographic* } Sheet No. MF-334834  
*Hydrographic* }

LOCALITY

NORTHEAST AND NORTHWEST ENDS OF  
MONTAGUE ISLAND.

19 33

CHIEF OF PARTY

A. M. SOBIERALSKI, H. & G. E.

U. S. GOVERNMENT PRINTING OFFICE: 1921

# 4834

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC FIELD SHEET #MF-33

U. S. C. & G. S. S. SURVEYOR

A. M. SOBIERALSKI, COMMANDING.

INSTRUCTIONS DATED APRIL 15, 1933

GENERAL DESCRIPTION:

The northeast end of Montague Island is wooded, rather low and rises gradually from a prominent point known as Zaikof Point to the main ridge. There are rocky bluffs about Zaikof Point which rise abruptly from the beach to heights ranging from 50 to 100 feet. The shore is rugged, fringed with large boulders, reefs, and off lying rocks.

There is a group of 4 bare rocks joined by a reef, which bares at M L L W, approximately 1/4 mile off Zaikof Point. The highest and most northerly one in the group is known as Schooner Rock. It is a pinnacle in shape and is 75 feet high. The most southerly rock in this group has a height of 40 feet.

The northwest end of Montague Island is entirely wooded. A separate ridge running longitudinally with the Island has its rise from a lowland at Graveyard Point to a height of 1145 feet, and gradually shoulders off to Montague Point.

Graveyard Point is a well established name given to the northwest point of Stockdale Harbor. The point is low, and wooded and has a rocky bluff 50 feet high about it. There is a reef baring at M L L W which makes out from Graveyard Point and the inshore area to

an extent of 200 meters is foul and is marked with kelp.

The shore from Graveyard Point north is bordered<sup>ed</sup> by large boulders and intervening gravel patches. There are a few offlying rocks, which are marked by heavy kelp patches.

SURVEY METHODS:

On the northeast end of Montague Island a traverse was carried from triangulation station Rig 1933 southward to topographic signal Boat joining topography on Sheet MC-33. The traverse closed within 25 meters in azimuth and checked flat in distance. Both traverses, namely, from triangulation station Rig 1933 southward and from triangulation station Vic 1933 northward (Sheet MC-33) were adjusted.

A traverse was carried from triangulation station Rig 1933 to Zak 1933 and closed within the allowable error.

A traverse was run from triangulation station Zak 1933 to topographic signal End at the east entrance to Zaikof Bay checking flat for distance and azimuth on Schooner Rock 1902 from topographic signal Bunk. The traverse ended on signal End which was intended to be a triangulation station but insufficient information is at hand to compute its position. It is planned to determine a geographic position of this station next season.

On the northwest end of Montague Island traverses were carried from triangulation station Grave 1933 to triangulation station Bart 1933, thence to triangulation station Tagu 1933. The traverse closed within the allowable error.

A traverse was run from triangulation station Tagu 1933 to topographic signal John. It is planned to continue this traverse next season and close on triangulation station Rocky 1933 which is on the west side of Rocky Bay.

The heavy wooded coastline along the beach of Montague Island obscured all land formation. Therefore, all peaks were located by sextant cuts and elevations and form lines were sketched in from the ship. The form line interval on the sheet is 200 feet with multiples of the 250 foot form line dotted. This interval was authorized by the Chief of Party because the character of the work did not warrant a smaller interval. The 250 foot interval was interpolated because this interval is used on some of the charts, and would otherwise have to be interpolated in the office.

#### COMPARISONS WITH PREVIOUS SURVEYS:

A careful tracing was made of the previous survey Sheet T-2612 (scale 1:40,000) and superimposed upon this sheet. On the northeast end of Montague Island the shore line and offlying rocks checked satisfactorily. While on the northwest end of Montague Island, Graveyard Point lies 250 meters southwest of the position shown on Sheet T-2612. From topographic signal Gene southward to Graveyard Point it appears that distance had been lost consistently, the error becoming greater as the traverse progressed.

Rocks designated on this sheet in red ink have been transferred from sheet T-2612. Due to the extremely rocky coast on the outside of Montague Island, it is probable that the rocks exist but have not been verified. With these additions, this sheet, as far as it goes, may be considered complete and superseding T-2612.

It was planned to re-survey Zaikof and Rocky Bays on a scale of 1:20,000, thus giving an opportunity to complete the form lines, but other more important work prevented carrying out this plan. It is proposed to complete this work on another sheet.

STATISTICS:

Shoreline.....14.5 statute miles

Area..... 2.0 statute square miles.

Respectfully submitted,

Approved & Forwarded,

A. M. Sobieralski

A. M. Sobieralski,  
Chief of Party,  
Commanding, Str. SURVEYOR.

Chester J. Beyma  
Chester J. Beyma,  
Aid.

REVIEW OF TOPOGRAPHIC SURVEY NO. *M.F-33*

Title (Par. 56) *Northeast and Northwest Ends of Montague Island*

Chief of Party: A. M. Sobieralski Surveyed by: *C.J.B.* Inked by: *C.J.B.*

Ship: SURVEYOR Instructions dated: April 15, 1933 Surveyed in: 1933

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)
2. The character and scope of the survey satisfy the instructions.
3. The control and closures of traverses were adequate. (Par. 12, 29.)
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.)
6. Not applicable.
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) *Not applicable.*
8. The representation of low water lines, reefs, coral reefs, and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
10. *Not applicable.*
11. Locations and elevations of summits are given. (Par. 19, 51.)
12. The tree line was shown on mountains. (Par. 16g)
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)
14. Not applicable.
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMS and DPs, 68.) *3 stations - numerous triangulation stations.*

REVIEW OF TOPOGRAPHIC SURVEY NO. MF-33

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *No landmarks*
17. The magnetic meridian was shown and ~~declination was checked~~. (Par 17, 52.)
18. The geographic datum of the sheet is *Valdez* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate.
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)
22. No additional surveying is recommended. *Additional form lines near ZaiKot Point desirable.*
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by *P.C.R.* *A.M. Solimanalaki*
24. Remarks:

Reviewed in office by

Examined and approved:

Chief, Section of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hyd. and Topo.

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TOPOGRAPHIC TITLE SHEET

4834

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. MF-33

REGISTER NO. 4834

State S. W. ALASKA

General locality PRINCE WILLIAM SOUND

Locality NORTHEAST AND NORTHWEST ENDS OF MONTAGUE ISLAND

Scale 1:20,000 Date of survey JUNE, 1933

Vessel U. S. C. & G. S. S. SURVEYOR

Chief of Party A. M. SOBIERALSKI

Surveyed by CHESTER J. BEYMA

Inked by CHESTER J. BEYMA

Heights in feet above M. H. W. to ground ~~to tops of trees~~

~~Contours~~ ~~Approximate contours~~, Form line interval 200 feet (250 foot interval indicated with dotted lines.)

Instructions dated APRIL 15, 1933

Remarks: \_\_\_\_\_

G P O

*applied to Cht 8575. Nov. 1934 - H. S. Gable*  
*" " " 8520 Dec. " J. S. Gable*  
*" " " 8517 " " J. S. G.*  
*" " " 8551 Jan 1935 - J. S. G.*  
*" " " 8502 " " J. S. G.*



## Remarks

## Decisions

1		
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3		
4		
5	Apple gold has "boy"	<u>Harbor</u>
6		
7	Apple gold has "Zai Koff" (wavy!!)	} <u>Zai Koff</u>
8	Rand McNally uses <u>Zai Koff</u> for the bay next to point. O.K.	
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# GEOGRAPHIC NAMES

Survey No. T 4834

Name on Survey	5515	A	B	C	D	E	F	G	H	I
		On Chart 8551	On previous survey	On U. S. quadrangle Maps	From local information	Map of S. Alameda Co. 1881	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
<u>Gulf of Alaska</u> ✓	*	✓	✓					✓		1
<u>Montague Strait</u> ✓	*	✓							✓	2
<u>Montague Island</u> ✓	*	✓	✓		✓		✓		✓	3
<u>Graveyard Point</u> ✓	*	✓	✓						✓	4
<u>Stackdale Harbor</u> ✓	*	✓	✓		✓				✓	5
<u>Montague Point</u> ✓	*	✓	✓						✓	6
<u>Zaikof Point</u> ✓	*	✓			✓		✓		✓	7
										8
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Names underlined in red approved  
by C. R. H. on 7/11/36

Section of Field Records

REVIEWS OF TOPOGRAPHIC SURVEY T-4834 (1933) FIELD MF  
NE and NW Ends of Montague I., Prince William Sound, S. W. Alaska  
Surveyed: June 1933  
Instructions dated: April 15, 1933 (SURVEYOR)  
Plane Table Survey - Cloth Mounted

Chief of Party - A. M. Sobieralski  
Surveyed and Inked by - C. J. Beyma

1. Conditions of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers everything of importance.

The records conform to the requirements of the Topographic Manual with the following exceptions:-

- a. Scaled one-half meter distances were not laid off for distortion measurement.
- b. Landmarks for Charts (Form 567) were not submitted.
- c. Schooner Rock in Lat.  $60^{\circ}18.2$ , Long.  $146^{\circ}54.8$  appears to be erroneously shown. A photostat of this area was made and the matter was referred to the field party.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junctions with Contemporary Surveys.

Satisfactory junctions were made with T2612 (1902), T-4811 (1933) and T4837 (1933). The present survey does not have any form lines at the junction with T-4811 (1933)-(See Descriptive Report page 4).

4. Comparison with Prior Surveys.

a. T2611 (1902)

This survey is in fairly good agreement with the present survey, particularly in regard to general features. The new survey is on a larger scale and has better control. However, several rocks on the old survey are carried forward in red to the new survey. This carrying forward was done in the field but a check was made in the office and a few rocks which had been missed, were transferred to the new survey. Also in a few cases, rocks so carried forward by the field party, which were near new rocks and which were inshore from the new rocks, were taken out and not carried forward.

b. T-2612 (1902)

This survey was found to be in error at Graveyard Point where the

new position is about 250 meters southwest from the former location. This was probably due to insufficient control for the old survey. One rock in Lat. 60°21.3, Long. 147°11.2 was carried forward in red in the field to the present survey. It had not been disproved by the present survey like those rocks which were not carried forward.

5. Field Drafting.

The field inking is satisfactory.

6. Additional Field Work Recommended.

Attention is called to the absence of form lines at the Northeast end of Montague Island. (See Descriptive Report page 4). Also it is recommended that the offlying rocks which are carried forward in red be checked when a more detailed hydrographic survey is made of the outer coast of Montague Island.

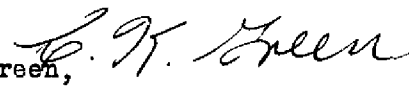
7. Superseding Old Surveys.

Insofar as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:-

T-2611 (1902 in part  
T-2612 (1902) " "

8. Reviewed by - A. F. Jankowski, October 1934.

C. K. Green,  
Chief, Section of Field Records.

  
Chief, Division of Charts.

Chief, Section of Field Work.

Chief, Division of H. & T.