

4835

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: S. W. ALASKA

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

} Sheet No. M-D-331835

LOCALITY
GULF OF ALASKA

MONTAGUE ISLAND

Box Point Northeastward.
OUTSIDE COAST

1933

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1928

4835

DESCRIPTIVE REPORT

to accompany

FIELD SHEET #M-D-33

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

A. M. SOBIERALSKI, COMMANDING.

SEASON - 1933

AUTHORITY: The survey was made in accordance with the Director's Instructions dated April 15, 1933.

LOCALITY: The area covered on this sheet is a portion of the outside coast of Montague Island. It joins Field Sheet #M-C-33 on the north and Field Sheet #M-A-33 on the east. The area to the south is unsurveyed.

CHARACTER OF COUNTRY:

The main ridge of Montague Island runs along the major axis of the island. Probably the most striking characteristic of the island is the regularity of the spurs running normal to the main ridge to the beach as far south as Beach River. These spurs average about two miles apart with deep valleys between, generally terminating with dirt bluffs at the beach with comparatively steep slopes. The valleys are wooded, with scattered scrub trees on the ridges to an elevation of eleven hundred feet. A conspicuous valley extends far inshore which is drained by Beach River.

With the exception of the straight smooth sand beach between signals Nat and Fit, the coast is very foul with numerous off-lying rocks.

SURVEY METHODS: A plane table traverse was run from A Nat northeast to O Rex, making a juncture with field sheet #M-C-33. The closure was small and was adjusted with the traverses of both sheets. A traverse was run from A Nat towards A Box with plane table cuts to signals ahead. The traverse was supplemented by plane table cuts from A Box.

The location and elevations of the peaks were obtained by triangulation, and sextant cuts from the ship, supplemented by plane table cuts when possible. In general the form lines were drawn from the ship offshore.

RECOVERABLE TOPOGRAPHIC STATIONS:

Owing to the similarity of appearance of the rugged coast line and the rock formations, there are no outstanding features that could be identified at a future date without undue confusion. The signals along the sand beach are of a temporary nature.

GEOGRAPHIC NAMES:

The following new names of topographic features are suggested.

<u>Name</u>	<u>Significance</u>
Box Point	A comparatively flat topped point with nearly sheer bluffs having a boxlike appearance.
Box Island	A flat island with sheer sides.
Purple Bluff	An outstanding dirt bluff of purple hue, especially in the afternoon.
Beach River	So named, as it follows the beach for over a mile before turning sharply inland.

*Names carried
and forwarded
for approval
J.B.*

STATISTICS:

Statute miles of shoreline..... 12.0

Square statute miles of area..... 21.0

Respectfully submitted,

Harry F. Garber
Harry F. Garber,
Lieut. (J.G.) C. & G. Survey.

Approved & forwarded:

A. M. Sobieralski
A. M. SOBIERALSKI,
Commanding, Str. SURVEYOR.

REVIEW OF TOPOGRAPHIC SURVEY NO. M-D 33

Title (Par. 56) Montague Island, Outside Coast.
H.F. Garber

Chief of Party: A. M. Sobieralski Surveyed by: M. G. Ricketts Inked by: H.F.G.
M. G. Ricketts

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.)
Yes, where practicable. Many elevations determined by sextant and transferred to this sheet.
5. The delineation of -contours- formlines- is satisfactory. (Par. 49, 50.)
A 200 foot interval was used, with 250 and 500 foot lines interpolated.
The character of the work did not warrant a closer interval.
6. Not applicable.
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
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.

REVIEW OF TOPOGRAPHIC SURVEY NO. MD 33

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except sealing of DM's and DP's, 68.)

No stations described. Numerous triangulation stations. *See desc. report.*

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)
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.
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by R. C. Rowse. *A. M. Bohieralski*
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. & Topo.

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TOPOGRAPHIC TITLE SHEET

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

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Field Letter M-D-33

REGISTER NO. 4835

State S.W. Alaska

General locality Gulf of Alaska

Locality Montague Island Box Point Northeastward

Scale 1/20,000 Date of survey June, 1933

Vessel Str. SURVEYOR

Chief of Party A.M. Sobieralski

Surveyed by H.F. Garber

Inked by H.F. Garber

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

~~Soundings approximately 2000 to 2000~~ Form line interval 200 feet

Instructions dated April 15, 1933

Remarks:

U. S. GOVERNMENT PRINTING OFFICE: 1928

Applied to Cht. 8515 - Nov. 1934 - N. A. Gamble
" " " 8517 Jan 1935 JAG
" " " 8522 " " JAG

To: Mr Bacon
From L.S.S.

Survey No. T 4835

GEOGRAPHIC NAMES
ALASKA

Date. October 9, 1934

Chart No. 8551 & 8515

Diagram No. 8551

Names underlined in red approved Oct. 13, 1934.

Appropriate action taken on suggested names.

HB

* Approved by the Division of Geographic Names, Department of Interior.

Ⓢ, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

[illegible]

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. T-4835 (1933)

Montague Island, Box Pt., Northeastward, Gulf of Alaska, S.W. Alaska
Surveyed June 1933

Instructions dated: April 15, 1933(SURVEYOR)

Plane Table Survey - Cloth Mounted

Chief of Party - A. M. Sobieralski.

Surveyed by - H. F. Garber.

1. Condition of Record.

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

a. No Form 567 was submitted and it is assumed that there were no landmarks for charts such as to require special listing.

b. As noted in the Descriptive Report a 200 ft. form line interval was used because the elevations had to be determined from the ship and for this reason it was thought a closer interval would not be justified. Due to the character of the beach, the topographic stations were temporary and were not described as recoverable.

2. Compliance with Instructions for the Project.

The survey complies with instructions.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4811 (1933) and T-4836 (1933).

4. Comparison with Prior Surveys.

This is an original survey.

5. Field Drafting.

The field inking is satisfactory.

6. Additional Work Recommended.

Within the area covered the survey is complete. The area to the southward is unsurveyed.

7. Superseding Old Surveys.

There are no prior surveys of the area by this Bureau.

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

Examined and approved:

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

L. O. Pollock
Chief, Division of Charts.

J. B. Borden
Chief, Section of Field Work.

G. W. Wade
Chief, Division of H. & T.