

4811

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

State: ALASKA

DESCRIPTIVE REPORT

Topographic } Sheet No. MC-33
Hydrographic } 4811

LOCALITY

OUTSIDE COAST OF MONTAGUE ISLAND

FROM LATITUDE 60-05 to LATITUDE
60-13.

1933

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1928

4811

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC FIELD SHEET MC-33

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

A. M. SOBIERALSKI, COMMANDING.

INSTRUCTIONS DATED: April 15, 1933.

GENERAL DESCRIPTION: Montague Island is high and mountainous with a main ridge ranging in heights from 2,000 to 3,000 feet running longitudinally with the Island. Prominent ridges about 2 miles apart run normally from the main ridge to the beach with deep intervening valleys. The seaward ends of these ridges form high triangular bluffs, giving a serrated appearance from off shore. The island is wooded, especially near the shore and extending to elevations as high as 1200 feet.

The beach along the coast is fringed with reefs, large boulders, and offlying rocks. It can safely be said that the shore covered by this sheet is very foul with but few favorable landing places and these only in the best kind of weather. Probably the best landing places to be found along the shoreline are at signals ANT, FALL and in the bight just north of triangulation station VIC 1933.

SURVEY METHODS: Triangulation stations Seal Rocks 1902, Vic 1933 and Carl 1933 were used for topographic control. A traverse was carried from triangulation station Vic 1933 southward to triangulation station Carl 1933. The traverse closed within a satisfactory error.

A traverse was run southward from triangulation station Carl 1933 to topographic signal Rex joining topography on Sheet MD-33, and closed within the allowable error.

A traverse was run northward from Triangulation Station Vic 1933 to topographic signal Boat joining topography on Sheet MF-33. Both traverses, namely, from triangulation station Vic 1933 northward and from triangulation station Rig 1933 southward on Sheet MF-33 to signal Boat, closed within 25 meters in azimuth and checked flat in distance. Both traverses were adjusted.

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.

Respectfully submitted,

Chester J. Beyma
Chester J. Beyma,
Aid.

Approved and forwarded,

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

REVIEW OF TOPOGRAPHIC SURVEY NO. M.C.-33

Title (Par. 56) *Outside Coast of Montague Island From Lat. 60°05' to Lat. 60°13'*

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.) *No previous surveys.*
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.) *2 stations - numerous triangulation stations*

REVIEW OF TOPOGRAPHIC SURVEY NO. M.C.-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.
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by *R.C.R.* *A.M. Sobieski*
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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4811

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.

Field No. MC-33

REGISTER NO. 4811

State S. W. ALASKA

General locality GULF OF ALASKA

Locality OUTSIDE COAST OF MONTAGUE ISLAND FROM LATITUDE 60-05. to LATITUDE 60-15

Scale 1:20,000 Date of survey JUNE - JULY, 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~~

~~Contour, approximate contour~~ Form line interval 200 feet (250 foot interval shown with dotted lines)

Instructions dated APRIL 15, 1933

Remarks: _____

applied to CNR 8518^{QRO} Nov. 1934 - J. S. Gumble
" " " 8520 Dec. " J. S. Gumble
" " " 8551 Jan. 1935 J. S. Gumble
" " " 8502 " " J. S. Gumble

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4811 (1933)

Outside Coast of Montague Island, Gulf of Alaska.
Southwest Alaska.

Surveyed June-July, 1933

Instructions dated: April 15, 1933 (SURVEYOR)

Plane Table Survey - Cloth Mounted.

Chief of Party - A. M. Sobieralski.

Surveyed by - C. J. Beyma.

1. Condition of Records.

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

a. The form line interval is 200 ft. because the method of elevation determination made necessary by the character of the area, did not justify smaller intervals.

b. Form 567 was not submitted and it is assumed that there were no landmarks for charts which required listing.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4834 (1933) on the north, with T-4835 (1933) on the south and with the form lines of T-4837 (1933).

4. Comparison with Prior Surveys.

This is an original survey of the area.

5. Field Drafting.

The field inking of this survey is satisfactory. The contour lines were inked considerably heavier than necessary.

6. Additional Work Recommended.

The survey is complete and no additional work is necessary.

7. Superseding Old Surveys.

There are no previous survey of this area.

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. S. Borden
Chief, Section of Field Work.

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