

4836

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

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director

State: ALASKA

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. MB33 4836

LOCALITY

PRINCE WILLIAM SOUND

~~Point~~ MONTAGUE ISLAND

~~Point~~ Basil Northeastward. GREEN

ISLANDS

19 33

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1929

4836

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. MB33

PROJECT NO. HT141

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

A. M. SOBIERALSKI, Comdg.

INSTRUCTIONS: Director's instructions dated April 15, 1933.

LIMITS: This sheet covers the west coast of Montague Island from a junction with sheet MA33 on the north to a junction with sheet 2741 on the south. It also includes Little Green Island and an insert of the south end of Green Island covering signal location in this area and a small section of shoreline.

DESCRIPTION: The section of Montague Island shown on this sheet has a regular coastline with a few small indentations. It is heavily wooded and low near the coast rising regularly to the tree line at about 1000 feet and from the tree line rises rather abruptly in the form of cirques to heights of 2700 to 3000 feet, grass covered. One prominent ridge ending in an abrupt bluff at the shoreline is located about five miles north of Hanning Bay. Snow remains on this side of Montague until quite late in the summer.

Little Green Island, about 0.6 mile long and lying about 1-1/8 miles south of Green Island, is heavily wooded and about 100 feet high. This island is surrounded by a fringe of rocks. The island has sheer rocky bluffs on its east side and along the southern end. A reef baring at various stages of tide extends about one mile southwest of the end of Little Green Island, terminating in a 1 foot rock.

The Needle is a 45 foot block shaped rock lying about 3 1/2 miles from the nearest point of Montague Island and about 5 miles south of Little Green Island. A kelp patch, with several rocks in it, extends about 1/4 mile northeast from The Needle.

CONTROL: Control for this sheet was furnished by third order triangulation.

SURVEY METHODS: As soon as the triangulation data was available all triangulation stations were occupied and the topographic signals cut in. Use of this method limited the use of traverse to very short distances.

The signals on the south end of Green Island were located by cuts and these locations checked the topography of sheet 3232 so well that it was not deemed necessary to run the shoreline. The only

SURVEY METHODS - Continued

exception being in the small section shown in the insert which was run to a junction with the work of sheet 3232.

* Taking into account the scale of the largest scale chart of this vicinity as well as the formation of Montague Island, it was decided that a 200 foot form line interval be used. The 250, 500, 1500, and 2500 foot form lines being shown dotted. The elevations were determined by the usual planetable methods, supplemented where necessary by sextant determinations from the Launch WILDCAT.

LIST OF NAMES: Well established: Montague Island
Montague Strait
Green Island
Little Green Island - (Local name)
The Needle

STATISTICS: Shoreline.....20.3 statute miles.
Area.....26. sq. statute miles.
Magnetic Declinations..... 2
Elevations.....60

Respectfully submitted,

Max G. Ricketts
Max G. Ricketts,
Jr. H. & G. E.

Approved and forwarded:

A. M. Sobieralski
A. M. SOBIERALSKI, H. & G. E.
Commanding, Str. SURVEYOR.

The 200 foot interval was authorized by chief of party because most of the work could be done only from launch and is therefore less accurate than plane table locations of mountain peaks. The 250 foot and 500 foot lines were interpolated because some of the charts use these intervals. AMS.

REVIEW OF TOPOGRAPHIC SURVEY NO. MB-33

Title (Par. 56) Parts of Montague, Green & Little Green Islands.

Chief of Party: A. M. Sobieralski Surveyed by: M. G. Ricketts Inked by:
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 ~~centours-~~ ~~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 ~~centours-~~ ~~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. MB-33

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DM's and DP's, 68.)
- 2 stations described. Numerous triangulation stations.
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. Solneralski*
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.

DEPARTMENT OF COMMERCE
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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.

Field No. MB33

REGISTER NO. 4836

State Alaska

General locality Prince William Sound

Locality Montague Island Point Bazil Northeastward

Scale 1:20,000 Date of survey June-Sept., 1933

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

Chief of Party A. M. Sobieralski, H. & G. E.

Surveyed by Max. G. Ricketts

Inked by Max. G. Ricketts

Heights in feet above high water to ground to tops of trees

Contour; ~~Approximate~~ contour, Form line interval 200 feet

Instructions dated April 15, 1933

Remarks: The 250, 500, 1500 and 2500 ft. form lines are
shown dotted.

approved & at 8515⁰⁰ Nov 1934 J.H. Lamb
" " " 8515⁰⁰ Jan 1935 J.H.S.
" " " 8515⁰⁰ " " J.H.S.

4836

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4836 (1933)

Montague I., Pt. Bazil, Northeastward, Prince William Sound, S.W. Alaska

Surveyed: June-September, 1933

Instructions dated: April 15, 1933 (SURVEYOR)

Plane Table Survey - Cloth Mounted.

Chief of Party - A. M. Sobieralski.

Surveyed by - M. G. Ricketts.

1. Condition of Records.

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

- a. Scaled $\frac{1}{2}$ meter distances were not laid off for distortion checking.
- b. No Form 567 was submitted and it is assumed that there were no landmarks for charts.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4837 (1933) and with T-4835 (1933). At the southern end, this survey joins T-2741 (1905). Enough shoreline was run to make a satisfactory junction with the old survey.

4. Comparison with Prior Surveys.

a. T-3232 (1911).

A small section of this survey was resurveyed on the present survey. This consisted of about 0.8 miles of shoreline on the southern end of Green Island, a resurvey of Little Green Island and a location of its offlying rocks which were not located on the previous survey.

5. Field Drafting.

The field inking of the survey is good.

6. Additional Work Recommended.

The survey is complete and no additional work is recommended.

7. Superseding Old Surveys.

Within the area covered the present survey will supersede the following surveys for charting purposes:

T-3232 (1911) in part.

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

Examined and approved:

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

L. O. Zolner
Chief, Div. of Charts.

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

G. H. de
Chief, Div. of H. & T.