

4808

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAR 12 1934

Acc. No. _____

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. CB 4808

LOCALITY

DANGEROUS PASSAGE

PRINCE WILLIAM SOUND.

19__33

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1930

4808

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. CB

DANGEROUS PASSAGE

U. S. C. & G. S. S. SURVEYOR, A. M. SOBIERALSKI, COMMANDING.

SEASON - 1933

AUTHORITY:

This survey was made under the Director's instructions dated April 15, 1933.

EXTENT:

The sheet covers the northern part of Dangerous Passage and Chenega Island including the bays adjacent thereto, namely: Jackpot Bay, Ewan Bay, Paddy Bay, and Granite Bay. It joins with T-3427 on the north and field Sheet CA-1933 on the south.

GENERAL DESCRIPTION OF COAST:

The area covered is typically mountainous and, in general, densely wooded to an elevation of 1600 feet. The vicinity of Jackpot Bay is particularly precipitous, the shores in parts of which consist of cliffs which overhang the water. Farther to the eastward the slopes moderate somewhat and the shores become more ragged.

The close proximity of a number of glaciers has a marked effect on the temperature. The protected bays and lagoons contained thick ice as late as the middle of May. Ice began to form on these bays again the early part of October. The snow fall is heavy and persists to sea level until the latter part of May.

METHOD OF SURVEY:

Standard plane table equipment and methods were used.

Traverses run:

Station Well, 1933 to Nowell, 1907.

Distance $1\frac{1}{4}$ miles. Closing error 10 m. adjusted.

Station Lint, 1933 to Czar, 1933 (Sheet CA) distance $2\frac{1}{2}$ miles, closing error 15 m, adjusted.

Throughout the passage third order triangulation was sufficient to afford rigid control with but short supplementing stadia traverses at the heads of the bays.

JUNCTION WITH T-3427:

In the vicinity of Paddy and Eshamy Bays the form lines on T-3427 are evidently in error.

The lake which nearly joins Paddy Bay drains to Eshamy Bay. A field reconnaissance was made and the form lines accordingly adjusted. These adjustments are shown on a separate tracing and are sent under separate cover referring to T-3427. *Tracing attached to D. R. T-3427. Correction shown on T-3427 (1913) 10-9-34 A.F.S.*

ELEVATIONS:

These are ground elevations in all cases. An assumed height of 60 feet was taken for all trees. This amount was subtracted from all elevations obtained on wooded areas. ✓

NEW NAMES:

There is a marked scarcity of names in this locality and the following are suggested:

* Granite Point for the north point of the north entrance to Dangerous Passage. Granite Bay lies immediately west of this point.

* Junction Island for the wooded island, elevation 120 ft., which forms the south point of this entrance.

* Paddy Point for the east point of the entrance to Paddy Bay.

* Ewan Point for the east point of the entrance to Ewan Bay.

* Masked Bay for the bay indenting Chenega Island opposite Paddy Bay. The entrance is masked by islands.

Split Island is suggested for the large wooded island lying in the center of the Passage between Jackpot and Ewan Bays.

Split I. submitted but Divide I. suggested as better suited for the name, H.B.
* Jackpot Point for the east point of the entrance to Jackpot Bay.

* Jackpot Island for the wooded island, elevation 80 feet, lying near the center of the entrance to Jackpot Bay.

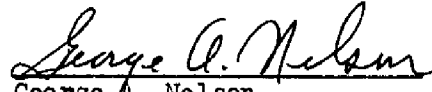
Saddle Peak is the local name for the prominent two-humped mountain, elevation 3023 feet, lying on the ridge separating Paddy and Ewan Bays and two miles northwesterly from their heads. *OK. because of local usage. H.B.*

* Claw Peak for the mountain 2490 feet high on the peninsula between the two arms of Whale Bay (H.B.)
* These names carded and sent to the Division of Geographic Names, Department of the Interior for approval.
(The above Division of Geog. Names has taken over the functions of the U.S. Geog. Board) Harlow Bacon, Cartographer.


STATISTICS:

Miles shoreline (statute). 120.4
Area (square statute miles). 80.

Respectfully submitted,


George A. Nelson,
Jr. H. & G. E.

Approved & Forwarded:


A. M. Sobieralski, H. & G. E.
Comdg., Str. SURVEYOR.

REVIEW OF TOPOGRAPHIC SURVEY NO. C-B-33

Title (Par. 56) Dangerous Passage, Prince William Sound, S. W. Alaska.

Chief of Party: A. M. Sobieralski. Surveyed by: G.A.N. Inked by: G.A.N.

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 ~~-centaurs-~~ ~~formlines-~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
5. The delineation of ~~-centaurs-~~ ~~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.)
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. No 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.)

One station - numerous triangulation stations.

REVIEW OF TOPOGRAPHIC SURVEY NO. C-B-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. Junction with form lines on T-3427 covered by separate letter.
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 by 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.

REVIEW OF TOPOGRAPHIC SURVEY NO. C-B-33

Title (Par. 56) Dangerous Passage, Prince William Sound, S. W. Alaska.

Chief of Party: A. M. Sobieralski. Surveyed by: G.A.N. Inked by: G.A.N.

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 ~~-eenteurs-~~ ~~formlines-~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
5. The delineation of ~~-eenteurs-~~ ~~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.)
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. No 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.)

REVIEW OF TOPOGRAPHIC SURVEY NO. C-B-33

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. Junction with form lines on T-3427 covered by separate letter.
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.
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. 4808

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.

4808

Field No. CB

REGISTER NO. 4808

State S. W. ALASKA

General locality PRINCE WILLIAM SOUND

Locality DANGEROUS PASSAGE

Scale 1-20,000 Date of survey MAY-JUNE, 1933

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

Chief of party A. M. SOBIERALSKI

Surveyed by G. A. NELSON

Inked by G. A. NELSON

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

~~Contours Approximate contour~~ Form line interval 100 feet

Instructions dated APRIL 15, 1933

Remarks:

applied to Chart 8524 Oct. 1934 - J. S. Gumble
" " " 8515 " " J. S. G.
" " " 8517 Dec " J. S. G.
" " " 8551 Jan 1935 J. S. G.
" " " 8522 " " J. S. G.

REVIEW OF TOPOGRAPHIC SURVEY No. 4808

Title (Par. 56) **Dangerous Passage, Prince William Sound**

Chief of Party **A.M. Sobieralski** Surveyed by **G.A. Nelson** Inked by **G.A.N.**

Ship **SS. Surveyor** Instructions dated **April, 16, 1933** Surveyed in **May-June, 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. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.)
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. The span, draw and clearance of bridges are shown. (Par. 16c.)
11. Locations and elevations of summits are given. (Par. 19, 51.)
12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

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. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.
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.)
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 _____ 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.)
The geographic names shown in pencil have been submitted to the Geographic Board for approval.
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. *Division of Geographic Names,
Department of the Interior*
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

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 Top.

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY T-4808 (1933)

Dangerous Passage, Prince William Sound, S. W. Alaska.

Surveyed May - June 1933.

Instructions dated April 15, 1933.

Plane Table Survey.

Cloth Mounted.

Chief of Party - A. M. Sobieralski.

Surveyed by - G. A. Nelson.

Inked by - G. A. Nelson.

1. Condition of Records.

The records are complete.

2. Compliance with Instructions for the Project.

The survey complies with instructions.

3. Junctions.

T-4810 (1933) Junction was made in the field and is satisfactory.

T-3427 (1913) A satisfactory junction was made at Nowell Point. The form lines at the head of Eshamy Bay were investigated more fully during the present survey and found to differ from the prior survey.

4. Comparison with Prior Surveys.

The only prior survey of this area was T-3427 (1913) which joins at the northern limit of the present survey. (See paragraph 3).

5. Field Drafting.

The field inking of the survey is good.

6. Additional Field Work Recommended.

The survey is complete within its limits and no additional work is necessary.

7. Superseding Old Surveys.

The survey is the original of this area.

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

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

L. O. Dolbert
Chief, Section of ~~Field Work~~
Chart

Fred. L. Peacock
Chief, Division of Charts. *Field Work*
G. H. Wade
Chief, Division of H. & T.