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

State: ALASKA

DESCRIPTIVE REPORT

Topographic | Sheet No. K-D-35
Hydrographic

LOCALITY
SOUTH SIDE - AKUTAN ISLAND
ALEUTIAN ISLANDS

19.35

CHIEF OF PARTY
A. M. SORIELSKY, H. & G. E.

U. S. COAST & GEODETIC SURVEY
LIBRARY

APR 21, 1936
Drawing of Chart No. 8860  S.B. Mange  Jan 15 1937

Applied to drawing of Chart No. 8802  S.B. Mange  June 1937 (extended)

Applied to new compilation of Chart No. 9007  S. P. Aug 1938

Applied to compilation Chart 8720  Q. H. S.  June 1939
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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. K-D-35 6459

REGISTER NO.

State. ALASKA

General locality. ALEUTIAN ISLANDS

Locality. SOUTH SIDE - AKUTAN ISLAND

Scale 1:20,000 Date of survey JUNE-JULY, 1935


Chief of Party. A. L. SOBIESLASKI

Surveyed by. H. C. APPLEGUIST

Inked by. H. C. APPLEGUIST

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

Contour. Approximate contour, Form line interval 100 feet

Instructions dated. APRIL 13, 1934

Remarks.

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G.P.O.
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET K-D-35 - AKUTAN ISLAND
SEASON - 1935

U. S. C. & G. S. S. SURVEYOR - - - - - - A. M. SOBIERSALSKI, COMMANDING

Authority:

This survey was made under the Director's Instructions dated April 13, 1934.

Extent:

This sheet covers the south side of Akutan Island from Battery Point to the beach in Flat Bight, north of Cape Morgan.

General Description:

This area is mountainous and covered with grass and moss excepting the cliffs, slides, rocky outcrops and some of the higher hills which are rocky. Cliffs are general along the shoreline. The rocky coasts are bordered with rocks and fringed with kelp.

Battery Point is a prominent headland with steep, high cliffs. The hill on the point is 1623 feet high and from the southeast has somewhat the appearance of a bell.

Broad Bight just west of Battery Point is an open body of water exposed to the south and southwest. The head has a sand and gravel beach about 1½ miles long. A small stream enters the bight at the western end of the beach. Back of the beach is a fairly wide valley extending back about two miles.

Cascade Bight, just west of Broad Bight and separated from it by a small point with high steep cliffs, is about 3/4 of a mile across. It has a sand and gravel beach backed by a valley extending back about two miles.

Cape Morgan is a prominent headland with steep, high cliffs intersected by conspicuous dikes of harder material and different coloring, and several offlying rocks.

The Triplets are a group of three pinnacle rocks from 8 to 15 feet in elevation which lie in Akutan Pass 680 yards in a W.S.Wly direction from the tip of the point.
Method of Survey:
The plane table and stadia were used with no deviation from standard methods. The traverses closed well within the allowable limits.

Junctions:
A satisfactory junction, both of contours and shore-line was made to the east with topographic sheet K-E-34.

This sheet joins topographic sheet K-C-35 on the north. Junction was made at a Tom with a discrepancy of about 12 meters in distance, well within the allowable limit, which was distributed proportionately to the two sheets.

Names:
No new names have been suggested for any features on this sheet.

The bay west of Battery Point, noted on the charts as Sarana Bay, is known locally only by the names of its two Bights, namely, Broad and Cascade Bights. The name Sarana Bay is applied locally to the Bay about 1/2 mile east of Battery Point shown on the charts as Vulcan Cove. Information from McGlashan, a resident of Akutan, and so shown on survey by U. S. Geological Survey.

Comparison with Hydrographic Sheet:
The hydrographer and topographer collaborated in comparing the offshore detail shown on this sheet and the hydrographic sheet covering this area.

Statistics:
Statute miles of shoreline........... 14.
Area in square statute miles......... 17.

Respectfully submitted,
H. C. Applequist, Aid.

Approved & Forwarded:

A. M. Sobierski
Commanding Officer,
U. S. C. & G. S. S. SURVEYOR
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Names underlined in red approved by "[Signature]" on 6/8/50.
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT PHOTOSTAT OF

No. H

No. T 6459

received APR 21 1936
registered MAY 20 1936
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

82

C. K. Green
REVIEW OF TOPOGRAPHIC SURVEY No. 6459

Title (Par. 56) South Side - Akutan Island, S.W. Alaska

Chief of Party A.M. Sobielewski Surveyed by H.C. Applequist Inked by H.C. Applequist

Ship Surveyor Instructions dated April 13, 1934 Surveyed in June-July 1935

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.) None Submitted

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.)

See Reverse Side

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.)

No trees in this area - Grass Line not shown

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.
Paragraph 9

T2545 (1901)

The present survey agrees with T2545 in a general way. The present survey, being on a much larger scale, shows much more detail as to shore line, islets and rocks.

T6459 should supersede T2545 in part.
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.) 6 cards submitted

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 163, e, 60.) None submitted

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) No note of having checked declinatoire

18. The geographic datum of the sheet is Unalaska (U.S. Navy) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate.

   Joins T 49 N, R 3 W, on the East
   Joins T 49 N, R 4 W, on the West

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.) Rock symbols are too small

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:


Examined and approved:

C. R. Green
Chief, Section of Field Records

Fred. L. Peacock
Chief, Section of Field Work

L. O. Dobell
Chief, Division of Charts

H. B. Steele
Chief, Division of Hyd. and Top.