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

State: ALASKA

LOCALITY
NORTH & WEST SIDES AKUTAN ISLAND
ALUTAN ISLANDS
Flat Bight to North Head

19.35

CHIEF OF PARTY
A. M. Sobieralski, H. & G. E.
Applied to drawing of Chart No. 8860  S. H. Magee  Jan. 15, 1937

Applied to drawing of Chart No. 8802  S. H. Magee  June 1937

(extended)

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

Applied to compilation of Chart 87.20  Mar. 22, 1943  J. H. S.
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 - 0 - 35 4932

REGISTER NO.

State: ALASKA

General locality: ALEUTIAN ISLANDS Akutan Island

Locality: NORTH & WEST SIDES AKUTAN ISLAND Flat Right to N. Head

Scale: 1:20,000 Date of survey: MAY - AUG., 1935


Chief of Party: A. M. SOBIERALS

Surveyed by: K. S. ULM & H. C. APPLEGUIST

Inked by: K. S. ULM & H. C. APPLEGUIST

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

Contour: Approximate contours, Form line interval 100 feet

Instructions dated: APRIL 13, 1934

Remarks:
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET K-C-35 - AKUTAN ISLAND
SEASON - 1935


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

Extent:
This sheet covers the north and west sides of Akutan
Island.

General Description:
The island is mountainous and in general covered with
grass and moss. Cliffs are general along the shore.

Reef Point is the most westerly point of Akutan Island.
Directly north of it about a mile is a large kelp covered reef with
numerous rocks which bare up to 3 feet at low tide.

Lava Point is a fairly flat lava bed varying in elevation from 150 feet along the shore to 300 feet at the base of the hill
in back of it. The cliffs all around the point are nearly vertical except in places where they have broken down. There are numerous tunnels
under the cliffs. No attempt was made to determine the depths of these tunnels. Directly in back of Lava Point is a prominent hill whose N. W.
side is concave and very steep. It appears to be the remains of a volcano. Along the north slope of this hill is a crater about 250 feet in
depth.

North Head, the northeast end of the island is prominent with high steep cliffs.

Akutan Peak, the highest peak on the island is a sharp
peak on the south rim of a crater about 1-1/4 miles in diameter. Steam
was observed rising from the crater during the summer of 1935. The
peak is 4244 feet in elevation, rising about 600 feet above the rim of
the crater.

Survey Methods:
The plane table and stadia were used throughout on
this sheet.
Survey Methods: Continued.

A long traverse from A Lava to A North Head closed satisfactorily for distance. The two stations are not intervisible and an approximate position of G Imp obtained by sextant angles was plotted on the sheet and used for orientation. Later it was found necessary to swing that portion of the traverse from A Lava to G Imp—about 28 meters at G Imp.

Names:

No new names have been applied to any features on this sheet.

Junctions:

A satisfactory junction was made with topographic sheet K-A-35 at North Head.

At the south end of the sheet junction was made with topographic sheet K-D-35 at O Tom with a discrepancy of about 12 meters in distance. This was distributed proportionately between the two sheets.

Comparison with Hydrographic Sheet:

The hydrographer and topographer collaborated in comparing the off-shore detail shown on this sheet and the hydrographic sheet covering this area.

Respectfully submitted,

Approved & Forwarded:  

A. M. Sobieralski,  
Commanding Officer,  
U. S. C. & G. S. S. SURVEYOR

H. O. Applequinet, Aid.

A. M. Sobieralski,  
Commanding Officer,  
U. S. C. & G. S. S. SURVEYOR
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Names underlined in red approved by: [Signature] on [Date]
Title (Par. 56) Atkinson Island, S.W. Alaska


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, 22.)

4. The amount of vertical control that the Manual specifies for contours formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
   Insufficient number of elevations taken shown.

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 is on a scale of 1:20000, whereas T2545 is on 1:40000. The two surveys are in good agreement generally. Due to the difference in scale the present survey is executed much more in detail as to shore line, rocks and islets.

A sunken rock is shown on T2545 just West of the 2' bare rock at Lat. 54°-06'.5 - Long. 165°-06'.5. The present survey does not show this sunken rock nor does the contemporary hydrographic survey, H5966.

The bare rock at Lat. 54°05'.8 - Long. 166°05'.9 shown on T2545 is not shown on the present survey nor the contemporary hydrographic survey, H5966. No mention is made of this rock on the boat sheet or in the sounding records for H5966. It is not brought forward to the present survey.

T4932 supersedes T2545 in part.

Chart 8860

The present survey agrees with Chart 8860 in a general way, except for the bare rock mentioned under T2545 above which appears on the chart. It should be deleted from Chart 8860.
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 IMs and DPs, 68.) 6 cards submitted.

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

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

18. Declination of a bar checks chart within 2°.

19. The geographic datum of the sheet is Unalaska (Unadjusted) and the reference station is correctly noted. (Par. 34.) Field Computations Values Used.


21. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

22. The quality of the drafting is fair. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48, 49, 50.) Rock symbols too small. References to rocks are not correct.

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

24. Remarks:

Reviewed in office by Charles E. Claude June 11, 1936.

Examined and approved:

E. J. Green
Chief, Section of Field Records

Fred. L. Peacock
Chief, Section of Field Work

L. O. Collett
Chief, Division of Charts

Chief, Division of Hyd. and Top.
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H
No. T 4932

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

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G. K. Green