DESCRIPTIVE REPORT

State ALASKA
LOCALITY
SOUTH SIDE OF UNALASKA ISLAND
ALEUTIAN ISLANDS
Udagak Strait

1935

CHIEF OF PARTY
A. M. SCHRERER SR., H. & G. E.
Applied to drawing of Chart No. 8800  S.R. Maige Jan 25 1937

Applied to drawing of Chart No. 8802  S.R. Maige June 1937

Applied to Chart Con. 9318  Hillrace Event June 15, 1937

Applied to drawing of Chart No. 8800  S.R. Maige Jan 25 1937

Applied to drawing of Chart No. 8802  S.R. Maige June 1937

Applied to Chart Con. 9318  Hillrace Event June 15, 1937
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. U-C-85 4934

REG. NO.

State: ALASKA

General locality: ALEUTIAN ISLANDS Unalaska Island

Locality: SOUTH Side of Unalaska Island Udagak Strait

Scale: 1:20,000 Date of survey: SEPTEMBER 1935

Vessel: U.S.C.G.S.S. SURVEYOR

Chief of Party: A.M. SOBIERALSKI

Surveyed by: H.C.A. AND E.H. SHERIDAN

Inked by: H.C. APPEQUAIS

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

Contour—Approximate contour, Form line interval 100 feet

Instructions dated: APRIL 13 1934

Remarks:

______________________________________________

________________________

G F O
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET U-C-35 - UNALASKA ISLAND
SEASON - 1935


Authority:

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

Extent:

This sheet covers the area on the south side of Unalaska Island between Udakag Strait and Hive Bay.

General Description:

This area is mountainous with several rocky jagged peaks and ridges. Grass and moss covers most of the lower hills. Cliffs are general along the shore. The coast is generally fringed with rocks and kelp close inshore.

On the west side of the entrance to Udagak Strait is a 1,930 foot hill or ridge paralleling the shore. The east side of this hill is very steep and from the east has the appearance of a wall.

There are three small bays on this sheet all of which are exposed to the south and southeast.

Method of Survey:

The plane table and stadia were used with no deviation from standard practice. The traverses closed well within the allowable limits.

Names:

The Field Party has applied the name Hive Bay to the bay just west of where this sheet ends. Its name was suggested by the hive shaped rock at the west entrance to the bay.

The small bay at the western end of this sheet has a pinnacle at its western entrance point (approximately 250 feet high) while the head of the bay is overshadowed by three peaks of remarkable shape. These unusual formations suggest the name "Scenic Bay".
Junctions:

This sheet joins topographic sheet U-D-35 in Ugak Strait. The same topographer surveyed this sheet.

The area to the westward is unsurveyed.

Miscellaneous:

The shoreline on the west side of Ugak Strait is shown on this sheet in pencil. It was roughly transferred from topographic sheet U-D-35 in order to show the relation of the shoreline to the contours.

Comparison with Hydrographic Sheet:

The hydrographer and topographer collaborated in comparing the offshore detail shown on these sheets.

Statistics:

Statute miles of shoreline........ 10.5
Area is square statute miles...... 17

Respectfully submitted,

[Signature]
H. C. Applequist
Aid

Approved & Forwarded:

[Signature]
A. M. Sobieralski,
Commanding Officer,
U. S. C. & G. S. S. SURVEYOR
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REVIEW OF TOPOGRAPHIC SURVEY No. 494

Title (Par. 56) Udagak Strait, S.W. Alaska

Chief of Party A.M. Sabo, Jr. Surveys by H.C. Applequist Inked by H.C. Applequist

Ship Surveyor Instructions dated April 13, 1934 Surveyed in September, 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 -eas- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of -eas- 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. 16g.)

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

T2544 (1901)

The present survey is on a scale of 1:20000, whereas T2544 is on 1:40000 and only covers that part of the present survey from ABluff to A Udagak. The present survey is much more in detail as to shore line, islets, rocks and form lines. No elevations were given on T2544 which prevented a comparison of actual heights of peaks.

T4934 supersedes T2544 in part.

Chart 8860

The chart shows three sunken rocks off A Udagak which do not appear either on the present survey or the contemporary hydrographic survey, E5974. They should be deleted from the chart. West of A Udagak the chart is in agreement with the present survey in only a general way, T4934 being the first detailed survey of this area.

Paragraph 19

There are a few differences in elevations where the present survey joins T6434. As noted in the review of T6434 (Paragraph 19) since T6434 was executed on an aluminum mounted sheet, and more elevations were taken on that survey than on the present survey, T6434 is to be accepted in place of the present survey (T4934) where such differences occur.

* These rocks appear to originate with the Tashinof Affidavit, No. 28 (Chart hydrographic). See also Review Item 19949 (3935) Page 8.
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 DSMs and DPs, 68.) 2 cards submitted.

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

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) No magnetic meridian on sheet.

18. The geographic datum of the sheet is Unadjusted and the reference station is correctly noted. (Par. 34.) Value shown is from field computations.

19. Junctions with contemporary surveys are adequate. Joins T4935 on the North and East. Joins T6434 on the West (Facing page only)

20. Geographic names are shown on the sheet and are covered by the descriptive report. (Par. 64, 65k.)

21. The quality of the drafting is fair. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) Rock symbols small and not carefully made.

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:

Reviewed in office by Chas. P. Bush Jr. June 10, 1936

Examined and approved:

L. C. Green
Chief, Section of Field Records

Fred. L. Peacock
Chief, Section of Field Work

W. DeLorme
Chief, Division of Charts

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

SURVEY DESCRIPTIVE REPORT
PHOTOSTAT OF
No. H
No. T 4934

received
registered
verified
reviewed
approved
APR 21 1936
MAY 20 1936

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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C. K. Grean