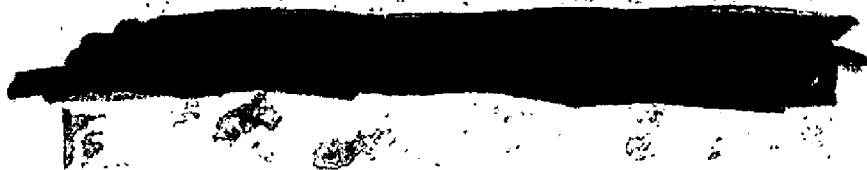


4934



4934

|  |                  |
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| Form 504<br>Rev. April 1935<br>DEPARTMENT OF COMMERCE<br>U. S. COAST AND GEODETIC SURVEY                           |                  |
| DESCRIPTIVE REPORT   |                  |
| Topographic<br>Hydrographic  | Sheet No. U-C-35 |
| <div>U. S. COAST &amp; GEODETIC SURVEY<br/>LIBRARY AND ARCHIVES<br/><br/>APR 21 1936<br/><br/>Acc. No. _____</div> |                  |
| State ALASKA   |                  |
| LOCALITY   |                  |
| SOUTH SIDE OF UNALASKA ISLAND  |                  |
| ALEUTIAN ISLANDS   |                  |
| Udagak Strait  |                  |
| 1935   |                  |
| CHIEF OF PARTY   |                  |
| A. M. SOBIERALSKI, H. & G. E.  |                  |

Applied to drawing of Chart No 8860

S.B. Maize Jan 25 1937

Applied to drawing of Chart No 8802

S.B. Maize June 1937

Applied to Chart Comp 9018

H. Mae Ewen June 15, 1939

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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-35 4934

REGISTER NO.

State ALASKA

General locality ~~ALUTIAN 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. APPLEQUIST

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:

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET U-C-35 - UNALASKA ISLAND  
SEASON - 1935

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

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 Udagak 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 Udagak Strait. The same topographer surveyed this sheet.

The area to the westward is unsurveyed.

Miscellaneous:

The shoreline on the west side of Udagak 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 in square statute miles..... 17

Respectfully submitted,

H. C. Applequist  
H. C. Applequist, Aid

Approved & Forwarded:

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

## Remarks

## Decisions

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# GEOGRAPHIC NAMES

Survey No. **T4934**

| GEOGRAPHIC NAMES      |  | On Chart No. 5860 |   | On previous survey No. |   | On U.S. Government Maps 5802 |   | From local information |   | On local Maps |    | CHART 9302 P.O. Guide or Map |  | Rand McNally Atlas |  | 1609 Dist. of Alaska |  |
|-----------------------|--|-------------------|---|------------------------|---|------------------------------|---|------------------------|---|---------------|----|------------------------------|--|--------------------|--|----------------------|--|
| Survey No. T4934      |  |                   |   |                        |   |                              |   |                        |   |               |    |                              |  |                    |  |                      |  |
| Name on Survey        |  | A                 | B | C                      | D | E                            | F | G                      | H | K             |    |                              |  |                    |  |                      |  |
| Udagak Strait         |  | *                 |   | ✓                      |   |                              |   | —                      | ✓ |               | 1  |                              |  |                    |  |                      |  |
| Unalaska Island       |  | *                 |   | ✓                      |   |                              | ✓ | —                      | ✓ |               | 2  |                              |  |                    |  |                      |  |
| <del>Scenic Bay</del> |  |                   |   |                        |   |                              |   |                        |   |               | 3  |                              |  |                    |  |                      |  |
| <del>Hine Bay</del>   |  |                   |   |                        |   |                              |   |                        |   |               | 4  |                              |  |                    |  |                      |  |
| Pacific Ocean         |  | /                 |   | /                      |   |                              | / | /                      | ✓ |               | 5  |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 6  |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 7  |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 8  |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 9  |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 10 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 11 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 12 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 13 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 14 |                              |  |                    |  |                      |  |
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|                       |  |                   |   |                        |   |                              |   |                        |   |               | 16 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 17 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 18 |                              |  |                    |  |                      |  |
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|                       |  |                   |   |                        |   |                              |   |                        |   |               | 23 |                              |  |                    |  |                      |  |
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|                       |  |                   |   |                        |   |                              |   |                        |   |               | 25 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 26 |                              |  |                    |  |                      |  |
|                       |  |                   |   |                        |   |                              |   |                        |   |               | 27 |                              |  |                    |  |                      |  |

Names underlined & rec'd approved by E.R.T. on 4/11/36

M 234

Names underlined in red approved by *[Signature]* on 6/11/36

## REVIEW OF TOPOGRAPHIC SURVEY No. 4934

Title (Par. 56) *Udagak Strait, S.W. Alaska*Chief of Party *A.M. Sobieralski* Surveyed by <sup>*H.C. Applegquist*</sup>~~*E.H. Sheridan*~~ Inked by *H.C. Applegquist*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 ~~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.



\* These rocks appear to originate with  
The Tebenkof Atlas No. 26 (Chart History Sheets).  
See also Review H-5974 (1935) pag. 8.  
G.R.

#### 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 A Bluff 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, H5974. 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.

*The source of these rocks could not be found. \* They first appeared on the chart in 1910, H-5974, the only survey of the area by the Bureau, - covers the vicinity of the charted rocks with fairly close soundings and shows no indication of sunken rocks - The rocks may have been charted from the Descriptive Report of T2544 - which mentions rocks off "the south spit at the Narrows - are 3 points of a large reef - one or more of which is always visible" - but this note refers to the point  $\frac{3}{4}$  mile to northward.*

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 DP's, 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 *Unalaska (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 (Forn lines only)*
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 <sup>Fair</sup> good. (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. R. Bush Jr.* June 10, 1936

Examined and approved:

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

*L. O. Pollock.*  
Chief, Division of Charts

*Fred. L. Peacock*  
Chief, Section of Field Work

*G. Wade*  
Chief, Division of Hyd. and Top.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

No. ~~H~~

No. T 4934

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.

| ROUTE |  | Initial    | Attention called to |
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C. K. Green

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