

6505

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. April 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. B-36

State Alaska

LOCALITY
Unimak I.
West Anchor Cove

~~Unimak Island~~

~~Southwestern Alaska~~

1936

CHIEF OF PARTY

Jack Senior, H. & G. Engr.

U. S. GOVERNMENT PRINTING OFFICE

Applied to drawing of Chart No. 8860 before review. S.B. Maize April 1937

Applied to drawing of Chart No. 8802 before review. S.B. Maize June 1937

" " " " " 8701 J.M. Albert Mar. 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. B-36

REGISTER NO.

T6505

State Alaska

General locality ~~Southeastern~~ Unimak I.

Locality West Anchor Cove, Unimak Island

Scale 1:10000 Date of survey August, 1936

Vessel DISCOVERER

Chief of Party Jack Senior

Surveyed by George E. Morris, Jr. O. R. Hartzog, Jr.

Inked by George E. Morris, Jr.

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

Contour, Approximate contour, Form line interval 100 feet

Instructions dated March 30, 1936

Remarks: Form lines shown on sheet D-36

T-6507

Triangulation on Unalaska Datum (1901)

DESCRIPTIVE REPORT

to Accompany

Sheet B-36

WEST ANCHOR COVE

Work was done under Director's Instructions, Project HT-208, dated
March 30, 1936

(a) The area is divided into two mountain masses, Ikatok and Dora Peaks, with lesser ridges separated by low depressions. Steep rust and grey colored rock bluffs extend to the water's edge. The land area is grass covered. ✓

The area between high and low water lines is either rock ledge or very rocky except for the beach along the eastern end of West Anchor Cove which is fine sand. Two waterfalls on the northern side of the cove, near its eastern end are conspicuous as is also the pinnacle rock (signal KID) on the south side. The off-lying rock on the south side of the cove (Rock F, 1936) marks the limit of off-lying dangers. ✓

(b) A list of landmarks for the area covered by this sheet has been forwarded on Form 567. ✓

(c) Second and third order triangulation executed earlier in the field season was used for control for the plane table work. ✓

(d) No traverse was run, there being sufficient triangulation available to make it unnecessary to run a plane table traverse. ✓

(e) Standard plane table methods were used throughout. All off-lying features were located either by intersection or by direct telemeter readings. ✓

(f) This survey covers the area only to the upper edge of the bluffs. Form lines are shown on Sheet D-36. ✓

T-6507

(g-j) The sheet joins topographic sheet A-36 near triangulation station Rock E, 1936; and topographic Sheet D-36 at signal WET. ✓

T-6504

T-6507

A photographic copy of topographic Sheet 2554 was kept in the field and a careful check made of any discrepancies as they were found. It is recommended that this survey be accepted as showing the correct condition of the area at date of survey. ✓

(n) There is evidence of recent small rock slides along the higher bluffs, but a close comparison with the 1901 survey fails to show a change large enough to effect a change in the general appearance of the coast line. ✓

STATISTICS:

9.1 statute miles high water line
1 square statute mile area

Report respectfully submitted.

George E. Morris, Jr.
George E. Morris, Jr.
Jr. H. & G. Engineer

EXAMINED
and
APPROVED

Jack Senior

Jack Senior, H. & G. E.,
Chief of Party.

FORWARDED

Ray L. Schoppe

Ray L. Schoppe, H. & G. E.,
Comdg., Ship DISCOVERER.

Remarks

Decisions

| | | |
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| 1 | | USGO decision |
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GEOGRAPHIC NAMES

Survey No. T-6505

| Name on Survey | On Chart No. 8701 | On previous survey No. T-2554; H-2556 | On U. S. quadrangle Maps | From local information | USCP On local Maps | P. O. Guide or Map | Rand McNally Atlas | U. S. Light List | |
|----------------------|----------------------|--|-----------------------------|---------------------------|-----------------------|--------------------|--------------------|------------------|----|
| | A | B | C | D | E | F | G | H | K |
| <u>Unimak I.</u> | ✓ | | | | ✓ | | | | 1 |
| <u>Ikatan Pen.</u> | ✓ | T-2554 | | | ✓ | | | | 2 |
| <u>W Anchor Cove</u> | ✓ | ✓ | | | ✓ | | | | 3 |
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Names underlined in red approved

by SAE on 2/19/37

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~NO. 11~~
~~PHOTO STAT OR~~ } No. T-6505

{ received Feb. 9, 1937
 { registered Feb. 10, 1937
 { 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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| 20 | | | |
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| ✓ 25 | | <i>[initials]</i> | <i>P. R.</i> |
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RETURN TO

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| 82 | C. K. Green |
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Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. T-6505 (1936), FIELD NO. B

West Anchor Cove, Unimak Island, Alaska
Surveyed in August 1936 -- Scale 1:10,000
Instructions dated March 30, 1936 (DISCOVERER)

Plane Table Survey.

Aluminum mounted.

Chief of Party - Jack Senior.
Surveyed by - G. E. Morris, Jr. and O. B. Hartzog, Jr.
Inked by - G. E. Morris, Jr.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Topographic Manual except as follows:

- a. There is no evidence that the declinoire was checked at a station of known declination during the season's work (par. 17).
- b. Junction notes were inked on the survey by the field party. It is preferable that these notes be left in pencil since they are revised in the office to include the register numbers of the adjoining surveys rather than the field numbers.
- c. No topographic feature was shown for triangulation station "Rock F - 1936" (elevation 4 feet above M.H.W.) in lat. $54^{\circ} 40.6'$, long. $163^{\circ} 09.9'$. This was added in the office from T-2554 (1901).

The descriptive report is complete and satisfactorily covers all items of importance. It is desirable, however, that an alphabetical list of all planetable stations on the survey and of all triangulation stations outside the high water line be included in the descriptive report with a brief description of each station and a statement as to which planetable stations are recoverable.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey are in compliance with the instructions for the project.

3. Junctions with Contemporary Surveys.

The junctions with T-6507 (1936) on the east and T-6504 (1936) on the west are satisfactory.

4. Comparison with Prior Surveys.

a. H-2556 (1901), 1:140,000 (contains topography)

This combined topographic and hydrographic survey within the area of the present survey contains only topography transferred from T-2554 (1901) and is considered in the following paragraph:

b. T-2554 (1901), 1:40,000

This survey covers the entire area of the present survey. The descriptive report contains a brief comparison of the two surveys. Additional comparisons are made below:

(1) Shoreline and associated detail.

The agreement between the two surveys is fair in some places but differences of 100 to 150 meters are noted in others. The rock (charted), bearing 4 feet at M.H.W., in lat. $54^{\circ} 40.7'$, long. $163^{\circ} 09.68'$ falls 190 meters due east of a rock, also bearing 4 feet at M.H.W., on the present survey. It is probable that the two rocks are identical and that the rock on the prior survey results from a sketchy location of the one on the present survey. Final disposition of the rock shown on the prior survey will not be made, however, until it has been considered in the review of H-6150 (1936), the contemporary hydrographic survey in this area. The present survey, because of its larger scale and greater detail, should supersede the above survey in future charting.

(2) Form lines and inland details.

Form lines on Ikatan Peninsula falling within the limits of the present survey were determined on T-6507 (1936) and will be considered in that review.

5. Comparison with Chart 8701 (New print dated April 12, 1937).

a. Topography

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs and on additional information from H-3307a (1911). The rock, bare at M.H.W., charted in lat. $54^{\circ} 40.8'$, long. $163^{\circ} 09.9'$, originates with H-3307a (1911) and falls 400 meters to the north of a rock, bare 4 feet at M.H.W., on the present survey. The rock on H-3307a (1911) was used as a signal. It and other

signals were located by rod readings and intersections from an arbitrary base line laid down on the boat sheet. The resulting scheme of signals was then fitted to the topography of T-2554 (1901). It is believed that the rock on H-3307a (1911), the one on T-2554 (1901) discussed in par. 4b(1), this review, and the one on the present survey are all identical. In this connection it should be noted that the rock on T-2554 (1901) and the adjacent shoreline were arbitrarily shifted approximately 300 meters to the north on the chart because of a disagreement in shoreline at Cape Pankof between T-2554 (1901) and T-4147 (1925). That the shift was not justified in the vicinity of the rock is shown by the fairly good agreement in shoreline in this particular locality between T-2554 (1901) and the present survey. Although it is fairly certain that the bare rock from H-3307a (1911) is erroneously located, final disposition of it will not be made until it has been considered in the review of H-6150 (1936), the contemporary hydrographic survey in this area.

b. Aids to Navigation.

There are no fixed or floating navigational aids within the area of the present survey.

c. Magnetic Meridian.

The declination determined with the declinatoire on the present survey differs from the charted value by $2^{\circ} 00'$.

6. Field Drafting.

The field drafting is excellent.

7. Additional Field Work Recommended

The survey is complete and no additional work is required.

8. Superseding Old Surveys.

In so far as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:

| | |
|---------------|---------------------------|
| H-2556 (1901) | In part (topography only) |
| T-2554 (1901) | In part |

9. Reviewed by J. A. McCormick, December 6, 1937.

Inspected by A. L. Shalowitz.

Examined and approved:

K. T. Adams
K. T. Adams
Asst. Chief, Division of Charts.

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

L. O. Robert
Chief, Division of Charts.

G. H. Rude
Chief, Division of H. & T.