Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Field No.</th>
<th>Office No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6243</td>
</tr>
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</table>

LOCALITY

<table>
<thead>
<tr>
<th>State</th>
<th>S. W. Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Aleutian Islands</td>
</tr>
<tr>
<td>Locality</td>
<td>N. E. Part of Sedanka Island</td>
</tr>
</tbody>
</table>

1984

CHIEF OF PARTY

A. M. Sobiesalski

LIBRARY & ARCHIVES

DATE
Applied to Chart 8802 8802 + 9302 - Oct 10 1938
P.B. Casten

35 Nov 20 1938
(extendedCALY)

Applied to new compilation of Chart No. 9006 C.P. Aug 1938
Applied to compilation of Chart No. 9018 C.P. June 20 1939

8720 3 M.S. May 13 1933
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-8-34

REGISTER NO. 6243

State: Alaska

General locality: Aleutian Islands

Locality: N.E. part of Sedanka Island

Scale: 1:20,000 Date of survey: July 19, 1934


Chief of party: A. M. Sobiersalski

Surveyed by: G. J. Wagner

Inked by: G. J. Wagner

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:

...
REVIEW OF TOPOGRAPHIC SURVEY NO. U-A-34

Title: (Par.56) N. E. Part of Sedanka Island.

Chief of Party: A. M. Sobieralski Surveyed by: C. J. Wagner Instructed by: C. J. Wagner

Ship: SURVEYOR Instructions dated: 4 - 13 - 34 Surveyed in: 1934

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- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of -contours- is satisfactory. (Par. 49, 50.)

6. Not applicable.

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) Not applicable.

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.)

10. Not applicable.

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 15g.) Not applicable.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 54, 65, 66, 67.)

14. Not applicable.

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.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.)

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

19. Junctions with contemporary surveys are adequate.

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.)

22. No additional surveying is recommended.

23. The chief of Party inspected and approved the sheet and the descriptive report after review by R. C. Rowse

24. Remarks:

Reviewed in office by

Examined and approved:

Chief, Section of Field Records
Chief, Section of Field Work

Chief, Division of Charts
Chief, Division of Hyd. and Topo.
The topographic work in the vicinity of the Krenitsyn group was started using the 1901 geographic positions, and the positions of supplemental stations were computed from the 1901 lines as a base. These preliminary positions were used to control the topography.

Later in the season, the whole scheme of triangulation was recomputed from a newly measured base resulting in changes which amounted to from 2 to 5 meters in the vicinity of Unalga Pass to a maximum of about 10 m. in the eastern limits of the work. As a result, the triangulation stations as plotted will not agree exactly with the 1934 field computations, as submitted to the office. That is, the recovered 1901 stations are plotted from the original geographic positions, but the 1934 stations are plotted from preliminary positions which are not in strict accordence with the positions resulting from the final field computations as submitted in the list of geographic positions. The difference will correspond approximately to the difference between the 1901 and 1934 positions of recovered stations in the vicinity.

To eliminate these discrepancies, a slight change in the projection is necessary, but it is difficult to show the small correction, so that it has been indicated only on the sheets where it exceeds 5 m. The correction to the projection brings the sheet to the Unalaska Datum as determined by the 1934 field computations.
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET U-A-34
Project - H. T. 176
Instructions dated: April 13, 1934.
Extent:
This sheet covers the northeastern part of Sedanka Island and Egg Island, Aleutian Islands, Alaska.

General Description of Coast:

Sedanka Island is mountainous and covered with tundra. The coast is broken by bays and the headlands between the bays are usually bold, rocky bluffs. There is talus at the bases of the bluffs, ranging from gravel to huge boulders. The beaches are almost all gravel, sand being found only opposite the three larger lakes. There are many rocks outside the H. W. line and many of the points have detached rocky islets.

Egg Island, lying 1 1/2 miles northeast of Sedanka Island, is 541 feet high and shaped like a half crater, open to the north. The coast is bold and rocky. There is little beach, deep water extending to the bases of the cliffs in most cases. The northeast coast is very foul, containing many rocks.

Prominent features:

Old Man Rocks, latitude 53 - 52.2, longitude 166 - 05 are a group of four rocks, of which two are prominent. The highest rock is 100 feet high. A picture is enclosed.

Egg, latitude 53 - 51.4, longitude 166 - 07.5 is a large rock, approximately 125 feet high. The rock is grass covered and slopes up from the north. The south face being nearly vertical.

Rus, latitude 53 - 49.8, longitude 166 - 12.5, is the eastern and higher of the two crosses on the east end of the green-roofed Church in Biorka Village. There are five houses in the village, the Church being the easternmost house.
Prominent features – continued:

Outer Signal, latitude 53 – 48.3, longitude 166 – 03, is a rock, 30 feet high. △ Sentry 1934 is on the highest part of the rock and near its center. There is a rock, 10 feet high, 1/4 mile E. S. E. of △ Sentry 1934, called O Lowe.

Inner Signal, latitude 53 – 47.4, longitude 166 – 05.6, is a pinnacle rock, 126 feet high, surrounded by an area containing many rocks and ledges.

O Lit. N. E. side of Egg Island, appears as a detached peak, 182 feet high, from the southward. See picture.

Sedanka Cape, latitude 53 – 50, longitude 166 – 05, on the highest part of which is △ Skorka Head 1901, is prominent from the southward. It rises from a neck of land about 190 feet to a maximum elevation of 375 feet, and terminates in a bluff on the eastern side. To the southwestward are high rocky bluffs, reaching a maximum elevation of over 1200 feet.

O Fall, latitude 53 – 50.8, longitude 166 – 06.6, is a waterfall, 19 feet high.

Character of control used:

Triangulation stations approximately two miles apart furnished ample control.

The position of the triangulation stations is based on the 1901 computations, all new stations being tied in to the 1901 positions.

The field work was done by graphic triangulation and resection, resection being checked by additional cuts to other triangulation stations or well located topographic stations.

Description of auxiliary surveying methods:

The offshore features were located by triangulation, graphic triangulation or stadia.

Verification of form lines from offshore:

The formlining was accomplished by the topographer in the field by obtaining elevations of all peaks and other objects, which
Verification of form lines from offshore:- continued:

could be identified and located. The formlining was verified by the
topographer from the launch WILDCAT.

Junction with former or adjacent work:

Sheet T-2544 covers the area covered by this sheet.

The Inner Signal was relocated by graphic triangulation
and a new position obtained that is 20 m N. E. of the geographic position
of Inner Sentry 1901. The position of this rock on the sheet T-2544 is
about 120 m. N. E. of the position as shown on this sheet. The geographic
position was computed from weak triangles and it is believed that the
position shown on this sheet is more reliable. The elevation was found
to be 126 feet instead of 180 feet as charted and as shown on T-2544.

The elevation of the outer signal was found to be 30 ft.
instead of 50 feet as charted and as shown on T-2544.

The large lake in latitude 53 - 48 1/2 longitude 166 - 09
is shown as two lakes on T-2544 but is only one lake.

This sheet shows lakes in other locations that are not
shown on T-2544.

T-6144 (1934)

This sheet joins U-B-34 (field number) on the west, sat-
isfactorily. The formlining of the area west of Udamat Bay is shown on
sheet U-B-34 (field number) and elevations obtained in this area trans-
ferred and inked on sheet U-B-34 (field number).

New names:

The village in latitude 53 - 49.9, longitude 166 - 12.5
is known locally as Bierka Village.

Photographs:

Few photographs were taken as the topo party used a dory
and it was difficult to keep a camera dry. The photographs included
carry their own descriptions and negatives are included.
Evidence of changing:

No evidence of submergence or rising of the coast was observed.

Character of the marshes:

The only marshes are adjacent or in the small lakes, as shown by symbol. All are fresh water.

Statistics:

Statute miles of shoreline............31.5
Area in square statute miles.........22.0

Respectfully submitted,

Clifton J. Wagner

Approved & forwarded:

A. M. Sobiersalski
Commanding, Str. SURVEYOR.
LANDMARKS FOR CHARTS

Superintendent, U. S. Coast and Geodetic Survey:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Position</th>
<th>Method of determination</th>
<th>Charts affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latitude</td>
<td>Longitude</td>
<td>Datum</td>
<td></td>
</tr>
<tr>
<td>D. M. meters</td>
<td>D. P. meters</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
GEOGRAPHIC NAMES

Date: April 16, 1935
S. W. ALASKA

Survey No. T6243
Chart No. 8860
Diagram No. 8860

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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<tr>
<td></td>
<td>Old Man Rocks</td>
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<tr>
<td></td>
<td>Egg Island</td>
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<tr>
<td></td>
<td>Sedanka Pass</td>
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<td></td>
<td>&lt;br&gt;CAPE SEDANKA&lt;br&gt;Sedanka Cape</td>
<td>&lt;br&gt;USGS decision</td>
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<td>Stilak Cove</td>
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<td>Bjorka Village</td>
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<td>Udamat Bay</td>
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<td></td>
<td>Outer Signal</td>
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</table>
REVIEW OF TOPOGRAPHIC SURVEY No. 6243

Title (Par. 56) N.E. Part of Sedanka 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.) Rocks are not properly noted as to their heights above the plane of reference.

2. The character and scope of the survey satisfy the instructions. Not sufficient recoverable stations given for a resurvey.

3. The control and closures of traverses were adequate. (Par. 12, 52.)

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.) No maps submitted but several pictures forwarded.

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.)

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 differs from T2544 in quite a few places as to detail of points, islets and rocks. Some differences on offshore islets are discussed in the Descriptive Report. One rock was brought forward from T2546 in Udamat Bay. Otherwise, the present survey was accepted for detail.

T6243 (1934) supersedes T2544 in part.

Chart 8860

The present survey has been applied to the latest edition of Chart 8860 and with the exception of the rock brought forward in Udamat Bay, from T2544 above, is in good agreement.
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.) 14 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.) 4 meridians shown all of which show different declinations. No evidence of having checked declinators.

18. The geographic datum of the sheet is Unalaska 1901 (Adjusted) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate. Joins T 6240 (63) on the west. Joins T 6460 (1935) on the south. A junction on the south shows a decided difference in detail. All detail South of A Sedan should be taken from T 6460

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 fair. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) Lettering is not very good. Details of rocks awash etc. are not large enough to be clearly distinguishable

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 Chief A. Arnholt, June 4, 1936.

Examined and approved:

Chief, Section of Field Records
Chief, Section of Field Work
Chief, Division of Charts
Chief, Division of Hyd. and Top.