**DESCRIPTIVE REPORT**

<table>
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<th>State</th>
<th>Alaska</th>
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<tr>
<td><strong>LOCALITY</strong></td>
<td>Central part of Tidal Island</td>
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<td>Aleutian Islands, Alaska</td>
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**1935**

**CHIEF OF PARTY**

A. M. Sobieralski, H. & C. E.
Applied to drawing of Chart No. 8860  J.B. Maize  Jan. 05, 1987

Applied to drawing of Chart No. 8802  J.B. Maize  June 1933

Applied to correction of Chart No. 8720  J.K. S.  Mar. 18, 1944
DEPARTMENT OF COMMERCE
U. S. COAST AND GEOGRAPHIC 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. K-E-35

REGISTER NO.

State...Alaska

General locality...Aleutian Islands

Locality...Central part of Tigalda Island

Scale...1-20,000 Date of survey...May 1935

Vessel...U. S. C. & G. S. S. SURVEYOR

Chief of Party...A. M. Sobierski

Surveyed by...E. H. Sheridan

Inked by...E. H. Sheridan

Heights in feet above H. L. W. to ground...etc.

Form line interval...100 feet

Instructions dated...April 13, 1934

Remarks:

...
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET K-E-35

PROJECT H. T. - 176

A. M. Sobierski, Commanding -c- U.S. C. & G. S. S. SURVEYOR

Instructions dated: April 13, 1934

Extent:

This sheet covers the central portion of Tiguada Island, Aleutian Islands, Alaska.

General Description of the Coast:

Tiguada Island is mountainous and covered with tundra and grass. The southern coast of the island covered by this sheet is comprised of steep rocky bluffs reaching a height of 1500 feet near topographic station Shee. The northern coast is also generally comprised of bluffs which are not as precipitous and much lower, reaching a varying height of 200 to 300 feet. The northern coast is broken by two small bays.

Kelp Bay, on the north side of Tiguada Island, 2 miles east of its western end, provides temporary anchorage in southerly weather. The width of the entrance is reduced by a reef extending north-eastward 1/4 mile from the west entrance point. The point to the east of Kelp Bay is marked by several offlying rocks, the outermost being 9 feet high and 200 yards off the point.

A small bay 2 miles east of Kelp Bay provides an anchorage for small craft in southerly weather. There are sunken rocks 170 yards off the east entrance point and others 150 yards offshore on the west side.

A bight on the south side of Tiguada Island east of the southeastern entrance of Derkin Strait, provides temporary anchorage in northerly weather. The eastern shore of this bight is foul with a sunken rock 300 yards S. W. x W. of a 134 foot rocky islet.

Prominent Features:

Triangulation station Rock 1934 is on one of two rounded rocks lying 1/2 mile off the south side of Tiguada Island. The offshore one on which the station is located is 27 feet high and the inshore rock is 55 feet high.
Character of control:

Triangulation stations approximately two miles apart furnished control for the survey. The positions of the triangulation stations are based on the 1934 field computations.

The field work on the southern coast was executed by graphic triangulation.

Traverses run and how adjusted:

On the northern coast two traverses were run, one between triangulation stations Gal and Kalp 1934 and between triangulation stations Kalp 1934 and Dill 1935. These traverses checked well in azimuth, and small adjustments well within prescribed limits were applied in distant adjustments.

Description of Auxiliary Surveying Methods:

The offlying features were located by graphic triangulation and stadia.

Verification of Form lines from off-shore:

The form lining was executed in the field by obtaining elevation and location with the plane table of all prominent peaks and other objects that could be identified. As the southern coast is precipitous it was very difficult to obtain many cuts of peaks inshore. A low-hanging fog covered most of the hills at the time of the survey of the coast. Sextant fixes to locate the position and elevation of peaks were taken from the Ship SURVEYOR, Launch WILDCAT and from Launch #3 of the Ship SURVEYOR to augment the positions and elevations obtained with the plane table.

Junction with former or adjacent work:

This sheet joins sheet K-F-35 and K-B-34 (field no.) satisfactorily.

This sheet covers part of the area covered by sheet T-2546. T-2546 was done on a scale of 1-40,000 and no comparison of shoreline was made. This sheet (K-F-35) was done on a scale of 1-20,000 and should be accepted for shoreline and off-lying features.

The form lining of the two sheets agree very well.
New Geographic names:

No new names are assigned on the sheet. The names shown were taken from chart 8860.

Evidence of changing:

None noted.

Statistics:

Statute miles of shoreline................16.0
Area in square statute miles...........14.0

Respectfully submitted,

E. H. Sheridan
E. H. SHERIDAN, Aid.

Approved & forwarded:

P. M. Sobierski
A. M. SOBIERSKI,
Commanding Officer,
Ship SURVEYOR
<table>
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<tr>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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Names underlined in red approved on 6/7/1936
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT PHOTOSTAT OF

No. H

No. T 6458

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.

<table>
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RETURN TO

82

C. K. Green
REVIEW OF TOPOGRAPHIC SURVEY No. 6458

Title (Par. 56) Central Part of Tigalda Island, S.W. Alaska

Chief of Party A.M. Sabienaski Surveyed by E.H. Sheridan Inked by E.H. Sheridan

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

5. The delineation of -eenu-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 locality - gross line 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

T2546 (1901)

The present survey is on a scale of 1:20000, whereas T2546 is on 1:40000. The present survey shows far more detail than on T2546 as to bays, islets, rocks and points. Some of the small bays were very lacking of detail on T2546. Several large islands on T2546 were found to be a group of small islands.

No elevations were given on T2546, so that it was impossible to make an accurate comparison of the heights of the peaks.

The heights of the two islands at A Rock differ on the present survey somewhat from those on T2546. The present survey should be accepted.

The present survey supersedes T2546 in part.
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.) 4 cards submitted

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 50.) None submitted

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

Only one meridian shown

18. The geographic datum of the sheet is Unalaska (Unadjusted) and the reference station is correctly noted. (Par. 54.)

Values of field computations used

19. Junctions with contemporary surveys are adequate. 

Joints T 6457 (1935) on the East

Joints T 491 (1934) on the West

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

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.) Notes to rocks not correctly related to datum

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:


Examined and approved:

C. H. Green
Chief, Section of Field Records

Fred. L. Reacock
Chief, Section of Field Work

L. D. Rollins
Chief, Division of Charts

E. H. Stone
Chief, Division of Hyd. and Top.