DESCRIPTIVE REPORT

Topographic | Sheet No. F. - 41
Hydrographic

U. S. COAST &GEODETIC SURVEY
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MAh 26 1942

State Aleutian Islands, Alaska
LOCALITY
South side of Segun Island

193/41
CHIEF OF PARTY
F. B. T. Siems

DECLASSIFICATION BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3 (a), EXECUTIVE ORDER 12356
Affixed to clerk 9/02, examiner    June 10, 1942   J. H. S.

" "    8/12    July 24, 1942   J. E.

" "    8/12    July 21, 1942   J. H. S.
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. T 41
REGISTER NO. T6869 Confidential

State  Alaska  Aleutian Islands
General Locality  Aleutian Islands
Locality  South Side of Sequam Island
Scale  1:20,000 Date of survey August, September, 1941
Vessel  U.S.C.G.S.S. Explorer
Chief of party  F. E. T. Siems
Surveyed by  K. S. Ulm
Inked by  K. S. Ulm
Heights in feet above M.H.W. to ground
Contour, Approximate contour, Form line interval 100 feet
Instructions dated Feb. 3, 1941
Remarks: 

67o 25633
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET F-641

U.S.C. & G. S. S. EXPLORER

F.B.T. Sims, H. & G. E.

Chief of Party

INSTRUCTION DATED

February 21, 1940, referring to instructions issued to ships Surveyor and Pioneer under date of February 3, 1938, project H215.

SCALE

1:20,000

LIMITS AND JUNCTIONS

South coast of Sagua Island from signal Moo, Latitude 52 degrees 16.7', Longitude 172 degrees 24.6', west to signal Lite, Latitude 52 degrees 16.9', Longitude 172 degrees 30.7'. Joined on the east by topographic sheet #641 and on the west by topographic sheet #564.

CONTROL

The control was furnished by triangulation established by the ship Pioneer in 1941.

GENERAL DESCRIPTION

The coast line for the most part is vertical lava cliffs ranging in height from 20 to 75 feet above mean high water with the exception of Lava Cove where there is a sand beach and a gravel beach around the point where triangulation station Point is located. There are several small streams flowing into Lava Cove.

SURVEY METHODS

Standard survey methods were used. A traverse was run from triangulation station Cove to signal Moo with a closing error of ten meters which was field adjusted. Another traverse was run from triangulation station Cove to triangulation station Burn with a closing error of 8 meters and was field adjusted. A traverse was run from triangulation station Burn to signal Lite with a closing error of 2 meters and was field adjusted.
FORM LINES

Due to limited visibility from the beach only a few plane table cuts for elevation were taken with the plane table. From lines were sketched and sextant cuts taken for elevations from a motor sailor using three point fixes as control.

MAGNETICS

Declinometer observation was taken at triangulation station Cove on August 17, 1941, at 11:15 a.m. with declinometer # 252. Which has an index error of + 4°. This observation is not in agreement with variation shown on the chart for the vicinity, which is probably due to large deposits of lava in the vicinity.

LAND MARKS

None.

COMPARISON WITH PUBLISHED CHART

Due to small scale of chart 9102 no detailed comparison has been made.

GEOGRAPHIC NAMES

It is recommended that the Cove shown on this sheet be called Lava Cove.

STATISTICS

| Statute miles of shoreline | 5.9 |
| Area in square statute miles | 9.1 |

Respectfully submitted,

Kenneth S. Ulm

Approved and Forwarded

F.B.T. Siems
Commanding Officer
U. S. C. & G. S. S. Explorer
Topographic sheet T-48-3 has been inspected and approved by me. The field work was done under my supervision. No additional work is considered necessary.

F.B.T. Siems
Commanding Officer
U.S.C. & G.S.S. Explorer
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**Names underlined in red approved by L. Heck on 4/18/42**
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

No. T T6869

received March 26, 1942
registered verified April 8, 1942
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.

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RETURN TO

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\[Signature\]
DIVISION OF CHARTS
SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

Alsatian Islands, South Side of Sequim Island
Surveyed August and September 1941; Scale 1:20,000
Instructions dated February 3, 1938

Plane Table Survey

Chief of Party - F. B. T. Siemens
Surveyed by - K. S. Ulm
Inked by - K. S. Ulm
Reviewed by - G. F. Jordan
Inspected by - H. R. Edmonston, January 12, 1943

1. Junctions with Contemporary Surveys

Satisfactory junctions are made on the east with T-6866 (1941) and on the west with T-6867 (1941).

2. Comparison with Prior Surveys

This is an original survey and there are no prior surveys by this Bureau.

3. Comparison with Chart 8802 (Print of 8-31-42)
   a. Topography

   This chart is of such small scale that a comparison with the present survey is not feasible.

   b. Magnetic Meridian

   The magnetic observation differs by 7° with the charted value and is commented on in the Descriptive Report.

4. Compliance with Instructions for the Project

The survey complies with instructions with the exception that inland form lines were apparently prevented by cloudy weather and lack of time before end of the season.
5. **Condition of Survey**
   - Satisfactory.

6. **Additional Field Work**
   - The completion of form lines would be desirable whenever work is resumed in this area.

7. **Superseded Surveys**
   - This is an original survey.

Examined and approved:

[Signatures of officers with titles]

Some elevations and form lines added from data submitted by R.B.T. Siems.
J.A.M. 1/29/44.