7117

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey
Topographic

Field No. EX-0-b7 Office No. T-7117

LOCALITY
State Alaska
General locality Rat Islands
Locality S.W. Kiska Island

1947-48
CHIEF OF PARTY
F.B.T. Siems

LIBRARY & ARCHIVES
DATE Map 6 1945
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. **EX-C-47**

REG. NO. **T-717**

State **Alaska**

General Locality **Bat Islands**

Locality **SW Kiska Island**

Scale **1:20,000**

Date of survey **1 May to 1 July, 1948**

Vessel **EXPLORER**

Chief of party **F.B.T. Siems**

Surveyed by **E. W. Richards & C. R. Reed**

Inked by **E. W. Richards & C. R. Reed**

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated **3 Feb., 1938; supplemented 10 Feb., 1948.**

Remarks: 

**OFO 200553**
DESCRIPTIVE REPORT

to accompany

G. C.

TOPOGRAPHIC SHEET T-7117

Field No. EX-0-47

Alaska - Rat Islands

S.W. Kiska Island

Ship EXPLORER, F.E.T. SIEMS, Comdg.

Surveyed by E. W. Richards - C. R. Reed

INSTRUCTIONS:

Project GS-218 dated 3 February 1938; supplemented 10 February 1948.

LIMITS OF SURVEY:

The sheet was constructed on a scale of 1:20,000 to include the southwestern end of Kiska Island. The Dark Cove insert, surveyed in 1947, is on a 1:10,000 scale.

CONTROL:


DATUM:

North American 1927.

SURVEY METHODS:

Standard topographic methods were used throughout. Signals were located by plane table cuts and short traverses which closed within allowable limits.

The three point problem was used for location of positions from signal BAW (φ 51°52' λ 177°15') south to station VEX. A traverse from station VEX to signal THEO closed within allowable limits.

COMPARISON WITH PREVIOUS SURVEYS:

No prior surveys existed in this area except for compilations from uncontrolled air photographs. No junctions were made with previous surveys.
COMPARISON WITH HYDROGRAPHIC SURVEY:

There is no disagreement between the topographic and hydrographic survey.

ADEQUACY OF SURVEY:

This survey should be supplemented with existing air photos.

LANDMARKS FOR CHARTS:

There are no objects or topographic features within the area of the survey considered suitable for chart landmarks.

GEOGRAPHIC NAMES:

See 1947 report on Dark Cove.

STATISTICS:

Miles of shoreline 5.8 statute.

REMARKS:

Coast line from CORYVE to SOBAKA was done by E. W. Richards and party. Signals from EAW to SOBAKA with incidental shoreline were surveyed by C. R. Reed and party.

Respectively submitted,

[Signature]
C. R. Reed
Lt.Comdr., USCG

[Signature]
E. W. Richards
Ensign, USCG

24 November 1948

Approved and forwarded.

[Signature]
Ronald R. Moore
Commander USCG
Comdg. Ship EXPLORER
**U.S. COAST AND GEODETIC SURVEY**  
DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Graphic Control</th>
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<tr>
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<td><strong>Topographic</strong></td>
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<tr>
<td>Field No.</td>
<td>EX-C-47</td>
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<tr>
<td>Office No.</td>
<td>T-7117 (INSET)</td>
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**LOCALITY**

- **State**: Alaska  
- **General locality**: Kiska Island  
- **Locality**: Dark Cove

**1947**  
**CHIEF OF PARTY**  
**F.B.T. Siems**

**LIBRARY & ARCHIVES**

**DATE**
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. EX-C-47

REGISTER NO.

State Alaska

General locality Kiska Island

Locality Dark Cove

Scale 1:10,000 Date of survey 27 Sept. to 1 Oct. 1947

Vessel EXPLORER

Chief of party F.E.T. Siems

Surveyed by C.W. Clark

Inked by C.W. Clark and J.M. Neale

Heights in feet above to ground to tops of trees
Contour, Approximate contour, Form line interval feet
Instructions dated 3 Feb. 1938; revised 16 April, 1943

Remarks:
REVIEW OF T-7117 (1947-48) G.C.

Surveyed by - E. W. Richards & C. R. Reed

Ship EXPLORER

This survey has been already incorporated in the manuscript of unreviewed air photographic survey T-8632 (1949). Differences with that survey are discussed in the compilation report. There are no conflicts with H-7707 (1947-49) and no further consideration by the Nautical Chart Branch is necessary.

One observation for the magnetic meridian shows a declination which is in agreement with the charted value.

December 22, 1950

G. F. Jordan

Inspected by: R. H. Carstens
COMPARISON WITH HYDROGRAPHIC SURVEY: The only hydrographic survey in the area is of very limited extent and is incomplete. No satisfactory comparison can be made between the two surveys.

ADEQUACY OF SURVEY: The survey is considered adequate and complete inside Dark Cove, but can probably be supplemented in detail from 9-lens air photos when they are available.

LANDMARKS FOR CHARTS: There are no objects or topographic features within the area of the survey considered suitable for landmarks for charts.

GEOGRAPHIC NAMES: Dark Cove. This name does not appear on the latest edition of the chart of Kiska Island. The name was apparently first used on a U.S. Army quadrangle map of Kiska Island. It is recommended that the name Dark Cove be adopted as the official name of the cove.

STATISTICS: Miles of shoreline - 2.2.

REMARKS: The sheet is to be retained by the EXPLORER for completion of the 1:20,000 scale portion during the 1948 season. Two photostats of the sheet are to be made, one to be retained by the Seattle Processing Office and the other to be forwarded to the Washington Office with this report.

LIST OF POSITIONS:

<table>
<thead>
<tr>
<th>Object</th>
<th>Lat. (°)</th>
<th>D.M. (Meters)</th>
<th>Long. (°)</th>
<th>D.M. (Meters)</th>
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<tbody>
<tr>
<td>EAR (WW)</td>
<td>51-52</td>
<td>1162</td>
<td>177-12</td>
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<tr>
<td>BEN (WW)</td>
<td>51-52</td>
<td>566</td>
<td>177-14</td>
<td>691</td>
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<td>Marked topo. station</td>
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<tr>
<td>CAT (WW)</td>
<td>51-51</td>
<td>1124</td>
<td>177-15</td>
<td>974</td>
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<td>Marked topo. station</td>
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<td>RGX</td>
<td>51-52</td>
<td>839</td>
<td>177-14</td>
<td>199</td>
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<tr>
<td>Inshore and larger of double rock</td>
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<td></td>
<td></td>
<td></td>
</tr>
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Respectfully submitted
Charles W. Clark
Lieut. USCG

Approved and forwarded:

F.B.T. Siems, Captain USCG
Commanding Ship EXPLORER
INSTRUCTIONS: Instructions for Project GS-218 dated 3 February 1938; revised 16 April 1943.

LIMITS OF SURVEY: The sheet was constructed on a scale of 1 : 20,000 to include the southwestern end of Kiska Island. No work was done on this 1 : 20,000 scale sheet except for the location of O CAT. An insert on a scale of 1 : 10,000 includes the area of Dark Cove. All the topography except as noted above was done on the 1 : 10,000 scale inset. Shoreline and offlying features were surveyed in Dark Cove and extended a short distance on each side from the entrance to the cove.

CONTROL: Adjusted triangulation of 1945 and current unadjusted triangulation. All topography on the sheet was controlled by triangulation stations JIMMY HILL, 1947, ALE, 1947, PIPE, 1947, and HOLE, 1947.


SURVEY METHODS: Standard topographic methods were used throughout. All signals were located by graphic triangulation supplemented in some cases by rod readings. O BOX was located by cuts and a rod reading from O PIPE. O BEN was located by cuts and a rod reading from O BOX. O CAT was located by cuts and a rod reading from O HOLE. The shore line and offlying features were rodded in from set-ups located by intersection and resection. There were no traverses. O THEO is a marked topographic station. The position was computed from theodolite angles considered to be of less than third-order accuracy.

COMPARISON WITH PREVIOUS SURVEYS: No prior surveys existed in this area except for compilations from uncontrolled air photographs. No junctions were made with previous surveys.