

7117

Graphic Control

Diag'd. on Diag. Ch. No. 8864-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Graphic Control

Type of Survey ~~Topographic~~

Field No. EX-C-47 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 MAR 6 1949

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Graphic Control

MAR 16 1949

Form 537a
Ed. Nov. 1929

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 Rat Islands

Locality SW Kiska Island

Scale 1:20,000
1:10,000 Date of survey 1 May to 1 July, 19 48

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: _____

DESCRIPTIVE-REPORT

to accompany

G. C.
TOPOGRAPHIC SHEET T-7117

Field No. EX-C-47

Alaska - Rat Islands

S.W. Kiska Island

Ship EXPLORER, F.B.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:

Adjusted second-order triangulation and current unadjusted triangulation furnished the necessary control. Triangulation stations used are: CORVI 1947, LUPI 1947, FILTHY HILL 1945, VEGA 1947, SOBAKA 1945, VEX 1947, HOLE 1947, PIPE 1947, ALE 1947, JIMMY HILL 1947.

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 ($\phi 51^{\circ}52'$ $\lambda 177^{\circ}15'$) 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 CORVIN to SOBAKA was done by E. W. Richards and party. signals from BAW to SOBAKA with incidental shoreline were surveyed by C. R. Reed and party.

Respectively submitted,

Clarence R. Reed

C. R. Reed
Lt. Comdr., USC&GS

E. W. Richards

E. W. Richards
Ensign, USC&GS

24 November 1948

Approved and forwarded.

Ronald R. Moore

Ronald R. Moore
Commander USC&GS
Comdg. Ship EXPLORER

7117

Graphic Control

Diag'd. on Diag. Ch. No. 8864-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey ~~Topographic~~ ^{Graphic Control}
Field No. **EX-C-47** Office No. **T-7117 (INSET)**

LOCALITY

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

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CHIEF OF PARTY

F.B.T. Siems

LIBRARY & ARCHIVES

DATE

7117

Graphic Control

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

1 : 20,000

Scale 1 : 16,000 Date of survey 27 Sept. to 1 Oct. 1947

Vessel EXPLORER

Chief of party F.B.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. (See Review)

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:

Object	Lat. °	D.M. Meters	Long. °	D.M. Meters
EAR (WW)				
Marked topo. station	51-52	1162	177-12	1047
BEN (WW)				
Marked topo. station	51-52	566	177-14	691
CAT (WW)				
Marked topo. station	51-51	1124	177-15	974
ROX				
Inshore and larger of double rock	51-52	839	177-14	199

Respectfully submitted

Charles W. Clark
Charles W. Clark
Lieut. USC&GS

Approved and forwarded:

F.B.T. Siems, Captain USC&GS
Commanding Ship EXPLORER

DESCRIPTIVE REPORT

to accompany

G.C.

TOPOGRAPHIC SHEET T-7117

Field No. EX-C-47

Aleutian Islands - Kiska Island

Dark Cove

Ship EXPLORER, F.B.T. Siems, Comdg.

Surveyed by C.W. Clark

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INSTRUCTIONS: Instructions for Project CS-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 \odot 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.

DATUM: North American 1927.

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

Position for Theo 1947 on pg. 417, Vol. 5, Alaska, G. 7499, Described as Hydro Standish on pg. 22, Alaska Desc. No. 77. LBN.

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.