

7005
a & b

Disg'd. on Diag. Ch. No. 2265

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. DE-B & C-45 Office No. T-7005 a & b

LOCALITY

State Alaska

General locality Attu Island

Locality Kelliher Cove & Chichagof Harbor

1945

CHIEF OF PARTY

L. C. Wilder

LIBRARY & ARCHIVES

DATE Jan. 22, 1946

7005
a & b

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T7005 a

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. DE-B-45

REGISTER NO. T-7005 a

State Alaska - Aleutian Islands

General Locality ~~Khlebnikof Point~~ - Attu Island

Locality Kelliher Cove

Scale 1:2500 Date of survey 12 June to 20 June, 1945

Vessel DERICKSON

Chief of party L. C. Wilder

Surveyed by J. E. Waugh and W. M. Hellman

Inked by J. E. Waugh

Heights in feet above MHW to ground ~~XXXXXXXXXXXX~~

~~Contours, approximate contours, Form D, line interval XXXXX feet~~

Instructions dated 16 April, 1943

Remarks: _____

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.

T7005 b

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. DE-C-45

REGISTER NO. T-7005 b

State Alaska - Aleutian Islands

General Locality Attu Island

Locality Chichagof Harbor

Scale 1:2500 Date of survey 23 June to 3 Aug., 1945

Vessel DERICKSON

Chief of party L. C. Wilder

Surveyed by J. E. Waugh and W. M. Hellman

Inked by W. M. Hellman

Heights in feet above MHW to ground ~~to tops of rocks~~

~~Contours, approximate bottom, bottom intervals, etc.~~

Instructions dated 16 April, 1943

Remarks: _____

DESCRIPTIVE REPORT

To Accompany

Topographic Sheet T-7005a,b (Field No. DE-B & C-45)

Scale 1:2500

Kelliher Cove and Chichagof Harbor, Attu Island, Alaska

L. C. Wilder, Chief of Party

U.S.C. & G.S.S. DERICKSON

1945

PROJECT: These surveys were accomplished under general instructions from the Director for Project CS-218, dated 16 April 1943, and revised on 1 February 1944, and 29 January 1945. They are part of Project 30 assigned 7 June and 6 July 1945, by the Liaison Officer for the 17th Naval District to the Commanding Officer of the Ship DERICKSON.

SURVEY LIMITS AND DATES: ^{T-7005a} Sheet B covers Kelliher Cove on a scale of 1:2500. It does not make a junction with any modern surveys. The topography of this area has been previously taken from air photographs in 1944. The field work was accomplished between 12 and 20 June 1945.

*Joins T-8476 (1943)
on north &
T-8477 (1946)
on southeast*

^{T-7005b} Sheet C covers Chichagof Harbor on a scale of 1:2500. It joins graphic control sheet ^{T-7003} DE-E-45, scale 1:5000, approaches to Chichagof Harbor, on north. Field work was completed between 1 June and 3 August 1945, inclusive.

*Joins
T-8476 (1943)
on east and
northeast*

CONTROL AND SURVEY METHODS: Only one triangulation station (SPARKS 1944) is shown on ^{T-7005a} Sheet B. It was located by parties from the SURVEYOR in 1944. Points on lines from SPARKS 1944, to HODIKOF 1944, SARA 1944, and HUTCH 1944 (all located by the SURVEYOR) were computed and these azimuth lines were plotted on the sheet. A traverse was run from SPARKS 1944 to the 65-foot elevation, to signal His, to signal Day, and closed on SPARKS 1944. No error in azimuth or distance was found. While at these three set-ups cuts were taken to the remaining signals and the balance of the sheet was rodded in from setup using the resection method for locating the planetable. All the signals are whitewashed rocks or bluffs except Now which is a temporary banner and Pal which is a whitewash on the wooden skid. In order to reduce the chances for error, all signals had a small pole centered over the whitewash. These poles were used for the setup locations. No discrepancies were found. All off-lying features were rodded in, the low water line being run at low stages of the tide. The reef is covered at MHW but there are numerous rocks, as shown, that project above MHW. All these rocks were not rodded in and have been sketched in order to show the characteristics of the area.

T-7005a

D.M.s and D.P.s for the signals listed below have been scaled as these signals were used on smaller scale sheets.

Jap	52° - 55'	763 meters	274 m.	-NA 1927 Datum
	173° - 18'	520 meters	537 m.	
Joe	52° - 52'	282 meters	1649 m.	-T7005a
	173° - 18'	585 meters	502 m.	

Signal Jap was also located by the SURVEYOR (see sheets H-6990 & H-6991). The location of this signal was not furnished this party. The location as determined on Sheet B checks very closely with that shown on H-6990 but not that shown on H-6991. *difference is 4 m. - unimportant on scale of H-6991 - 29,000 scale*

The skid shown at signal Pal and the A-frame above it are used to haul up supplies to the top of the bluff.

Control for Sheet C consisted of five triangulation stations. Two of them, CHIC(USE)1943 and RAN(USE)1943, were located by the U. S. Engineers. The remainder were located by parties from the USC&GSS EXPLORER in 1944.

On Sheet C standard topographic methods were used throughout. All setups were either at triangulation stations determined by three point fixes or by the resection method. All signals were located by three or more cuts. All offlying features were rodded in. The low water or reef line was rodded at low stages of the tide. No discrepancies were found.

Quo and Pet are cement monuments which were the old range markers. Two of the temporary ranges were marked by a piece of 3" pipe driven into the ground with a cloth banner over it.

The following signals were also located on DE-E-45, scale 1:5000: Amy, Bed, Use, Sis, Lee, and Tom. No discrepancies were found.

AIDS TO NAVIGATION: There are no aids to navigation on Sheet B.

Two sets of range markers were established as shown on Sheet C. Range 1 (269° T) utilized a concrete monument for the front marker and a banner for the rear marker. The markers were located by topographic means, and the offshore end of the range was located by the hydrographer (see sheet DE-025245).

Range 2 (220° 30' T) utilized signal Log for a front marker and a banner for the rear marker. A point on the range, very close to signal Lee, was determined by a three point fix with the planetable.

MAGNETIC DATA: Observations were made with declinoire No. 244, as shown on Sheet B, and a value of 3°-58'E was found for the magnetic declination in this area.

Observations were made 35' from RAN(USE)1943 on range with and toward GIBSON 1944 with compass declinometer No. H-14, on 28 June 1945, and a magnetic declination of 1°-44.3'E was found. Observations with declinoire No. 244 at RAN(USE)1943 on 23 June 1945 (Sheet C) at

T7003(1945)G.C.
T7004b(1945)G.C.

10:40 A.M., indicated a declination of 1°-57.7'E.

The charted value for the area is 2°-45'E.

AIR PHOTOGRAPHS: No field inspection was accomplished this year in the vicinity of Kelliher Cove.

Chichagof Harbor has been adequately covered by three flights. Two flights, photograph numbers 2901-2V97 to 2V101 incl., 2901-2V125 to 2V131 incl., and 3277-1V1 to 1V4 incl., are on a 1:5000 scale. The other flight, photograph numbers 73 to 102 incl., are on a scale of 1:10,000. The 1:5000 scale pictures were field inspected this year and have been returned to the Washington Office.

T-8476 (1947)
T-8477 (1946)

COMPARISON WITH CHART: The topography on Sheet B was compared with that on Chart No. 9127 and found to be in agreement. There is more detail shown on the survey than on the chart.

T-7005a

Comparison between Sheet C and Chart No. 9126 shows the general shoreline to be in agreement. The small offlying rocks north of station Dim, the USAAF pier, and the cement range monuments (stations Pat and Quo) are not shown on the chart. (on Print 12/9/46)

T-7005b

The stream south of CHIC(USE)1943 was not rodded in. The bridge north of the USAAF pier was rebuilt after the topography was completed and is not shown on this sheet.

Photographs on flight 3277-1V show the details of the road, buildings, and bridge, etc. The new bridge is approximately as shown on the photographs.

LANDMARKS TO CHARTS AND COAST PILOT: Notes have been submitted by the Chief of Party, under separate cover, for the entire project. Chart Letter No. 781 (1945)

The GEOGRAPHIC NAMES, except Kelliher Cove, shown on the sheets are from Charts No. 9126 and No. 9127 and are well known locally. Kelliher Cove is from Army maps for this area and is in use by the personnel who utilize this cove in landing supplies, etc., for the military establishments on Khlebnikof Point.

Respectfully submitted,

Approved and forwarded:

L. C. Wilder,
Lt. Comdr., U.S.C. & G.S.,
Chief of Party.

J. E. Waugh
J. E. Waugh,
Lieut., U.S.C. & G.S.
W. M. Hellman
W. M. Hellman,
Lt. (j.g.), U.S.C. & G.S.

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7005a & b

FIELD NO. DE-B45 & DE-C45

Alaska-Aleutian Islands, Attu Islands, Kelliher Cove and
Chichagof Harbor

Surveyed on June 12 to August 3, 1945

Scales 1:2,500

Project No. CS-218

Plane Table Survey

Aluminum Mounted

Chief of Party - L. C. Wilder
Surveyed by - J. E. Waugh and W. M. Hellman
Inked by - J. E. Waugh and W. M. Hellman
Reviewed by - G. F. Jordan, January 25, 1949
Inspected by - R. H. Carstens

1. Control

Triangulation stations of 1943 and 1944 were the basis of the control for these surveys.

2. Adjoining Surveys

No planetable topographic surveys adjoin either of the present surveys.

The positions of topographic stations common to overlapping surveys T-7005b and T-7003 (1945) G.C. are in agreement.

The advance prints of photogrammetric shoreline surveys T-8476 (1947) and T-8477 (1946) incorporate the topography of the present surveys where junctions are affected.

3. Comparison with Prior Surveys

No prior surveys have been executed in these areas other than reconnaissance survey H-6926 (1934) which was executed in the Chichagof Harbor area by the U. S. Navy. That survey is superseded by T-7005b.

4. Comparison with Chart 9126 (Print date of Dec. 9, 1946)
Chart 9127 (Print date of Mar. 17, 1947)

A. Topography

The topography on Chart 9126 is from advance air photographic compilation shown on blueprint No. 40098 which is now superseded by T-7005b.

The topography on Chart 9127 in Kelliher Cove is from T-7005a before verification. No revisions are necessary.

B. Aids to Navigation

No lights or buoys are charted in the areas of the present surveys. The range markers on Chart 9126 are from the present survey.

C. Magnetic Meridian

Declinatoire observations reveal no local magnetic disturbances; the observed values are within 2° of the charted value.

5. Condition of the Survey

The Descriptive Report is excellent and adequately covers all matters of importance.

The drafting was well executed.

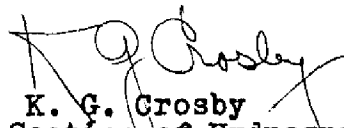
6. Compliance with Project Instructions

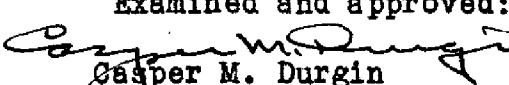
The surveys adequately comply with the project instructions.

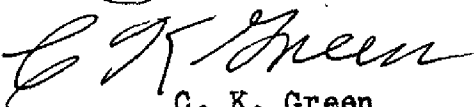
7. Additional Field Work

These are excellent surveys and no additional field work is recommended.


H. R. Edmonston
Chief, Nautical Chart Branch


K. G. Crosby
Chief, Section of Hydrography

Examined and approved:

Casper M. Durgin
Chief, Division of Charts


C. K. Green
Chief, Division of Coastal Surveys

GEOGRAPHIC NAMES

Survey No.

T7005a

+ b

Name on Survey

On Chart
No.On previous survey
No.On U. S. quadrangle
MapsFrom local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

G

H

K

Attu Island

USGB

1

Chichagof Harbor

2

Kelliher Cove

3

Attu (village)

4

Range Pt.

5

Inner Rocks

6

7

8

9

Names underlined
in red are approved
2/4/44 KJH

10

11

12

13

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17

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27

NAUTICAL CHARTS BRANCH

SURVEY NO.: T7005 a & b

Record of Application to Charts

[illegible]

M-2168-J

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.