

8476

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Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Photogrammetric <i>Type of Survey</i> Shoreline Survey	
<i>Field No.</i>	<i>Office No.</i> T-8476
LOCALITY	
<i>State</i>	ATTU ISLAND
<i>General locality</i>	(Gibson I. to Chichagof Harbor to Khlebnikof Pt.)
<i>Locality</i>	
1947	
CHIEF OF PARTY	
L. C. Wilder and Capt. K. T. Adams	
LIBRARY & ARCHIVES	
<i>DATE</i>	July 7, 1947

T-8476 1947 applied to Chart 9127 (Revised) ~~Subtract~~

5/27/63 8865 Embaygi Exam after V&K No con

DATA RECORD

T- 8476

Quadrangle (II):

Project No. (II): 218

Field Office:

Chief of Party:

L. C. Wilder

Compilation Office: Wash., D.C. Chief of Party: Capt. K. T. Adams

Chief, Division of Photogrammetry

Instructions dated (II III):

16 April 1943

1 February 1944

29 January 1945

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed:

Applied to chart No.

Date:

Redrafting Completed:

Registered:

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): RAN (U.S.E.), 1943

Lat.: 52°55'54.55" 1685.2M Long.: 173°15'20.989" 392.05M Adjusted
Unadjusted

State Plane Coordinates (VI):

X = None

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
76 - 86	9-27-44		1:10,000	
88 - 91	"	Unknown	"	Unknown
95 - 102	"		"	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source)

single lens photographs obtained from War Department.

Field Inspection by:

date:

Field Edit by:

date:

Date of Mean High-Water Line Location (III):

Date of the photographs.

Projection and Grids ruled by (III) T.L. Johnson

date: 8-22-46

" " " checked by: T.L. Johnson

date: 8-22-46

Control plotted by: C. Leich

date: Aug. 46

Control checked by: S. G. Blankenbaker

date: Sept. 46

Radial Plot by: B. J. Colner

date: Oct. 46

Detailed by: B. J. Colner

date: Nov. 46

Reviewed in compilation office by:

L.C. Landy

date:

Elevations on Field Edit Sheet checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Descriptive Report
Shoreline Survey T-8476

Field Inspection

Identification of control stations and a limited inspection of shoreline details were accomplished during the 1945 planetable (graphic control) surveys which were made to locate control for hydrography, but which omitted most of the shoreline details.

General

This shoreline survey T-8478 has been compiled to locate shoreline and alongshore details not located by the planetable and hydrographic surveys.

ATTU ISLAND
(Gibson I. to Chichagof Harbor to Khlebnikof Pt.)

Compilation Sheet

T-8476

26. Control

The following 10 U. S. Coast and Geodetic Survey triangulation stations were held to during the radial plot:

Big, 1944; Co-op, 1944; Gibson, 1944; Hag, 2, 1944; Pisa Tower, 1945; Radar, 1944; Ran, U.S.E., 1943; Rum, 1944; Sparks, 1944; Tower, 1944.

All the triangulation stations were identified in the field on the photographs except East Peak, 1944; Central Mast, R.D.F., 1944; and Yellow Beacon, 1945.

In addition, topographic stations which were identified on photographs were used to supplement the control. The positions of these topographic stations were taken from ^{Graphic Control} sheets 7003b, 7004b, and 7005b.

The following topographic stations were held to during the radial plot:

Alto, Amy, Con, Cur, Ezra, Fun, Ham, His, Joe, Key, Mug, Nip, Oil, Ora, Pat, Sis (west side of sheet), Tom Tub, Use, Vim, Was, Wax, Yet.

The topographic stations which could not be held to in the radial plot were probably misidentified on the photographs in the field.

The control was sufficient to establish a strong radial plot.

27. Radial Plot

A radial line plot was laid in which 23 celluloid templets were used. The control was satisfactorily spaced and adequate. The radial line intersections of all pass points were good. The topographic stations are shown on the sheet with red circles. The pass points are shown on the sheet with large blue circles except where there are points with only two intersecting cuts; these points are denoted by large green circles. Detail points are shown by small blue circles.

28. Detailing

For purposes of detailing the photographs may be considered good. The photographs were practically the same scale as that of the compilation (1:10,000).

The photographs were comprised of the following three flights:

76 - 86
88 - 91
95 - 102

The shoreline, offshore rocks and kelp shown on topographic sheets T-7003b, 1945; 7004b, 1945; 7005b, 1945 were transferred to the compilation sheet and the transferred details are shown in red. The bluff lines, drainage, most of the foul lines, the offshore rocks and shoreline were compiled by office interpretation and the stereoscope was used extensively. A sufficient number of detail points were located to facilitate progress and accuracy of the work in detailing.

Comparison with recent Hydrographic Surveys

H7077 (1945) 1:2,500; H7068 (1945) 1:5,000; H6875 (1946) 1:10,000. There are no discrepancies between the above hydrographic surveys and the compilation.

30. Mean High Water Line

The mean high water line was interpreted stereoscopically in the office by the compiler.

31. Low Water and Shoal Lines

The dashed lines indicate foul areas.

32. Details Offshore from the High Water Line

The offshore details as shown on the graphic control sheets were transferred to the compilation. The existing surveys were of benefit in interpreting the remaining offshore details such as rocks, ledges, etc.

44. Comparison with Existing Topographic Quadrangles

A visual comparison of this sheet was made with the Attu Island No. 6 and No. 7 quadrangles prepared under the direction of the Chief of Engineers, U. S. Army, 1943. It was noted there was generally good agreement between the compilation and each of the two quadrangles.

45. Comparison with Nautical Charts

A visual comparison of this sheet was made with the U.S.G.&G.S. Nautical Chart No. 9126. There was good agreement except for the shoreline on Pisa Point. The shoreline was examined under the stereoscope and is believed to be correct and should be accepted.

Submitted by:

E. J. Colner
E. J. Colner

Verified by:

L. M. Gazik
L. M. Gazik

Approved by:

L. C. Lande
L. C. Lande