

5747

Diag. Cht. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Map

Field No. _____ Office No. T-5747

LOCALITY

State Alaska

General locality S.W. Alaska

Locality Semidi Islands

1941

CHIEF OF PARTY

R.W. Knox, Chief of Section, Wash. Office

LIBRARY & ARCHIVES

DATE _____

5747

DATA RECORD

T- 5747

Quadrangle (II):

Project No. (II):

Field Office:

Chief of Party: ~~R. W. Knox~~*R.W. Knox chief of section*

Compilation Office: Wash., D.C.

Chief of Party: ~~S. V. Griffith~~

Instructions dated (II III):

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

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed: 11/28/49

Applied to chart No.

Date:

Redrafting Completed:

Registered: 1/26/50

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): 1.00

Geographic Datum (III): Unalaska

Datum Plane (III): MHW

Reference Station (III):

Lat.:

Long.:

~~Adjusted~~
Unadjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
6174-6181	8/6/41	11:50 to	1:20,000	
6185-6187		12:00		

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) nine-lens U.S.C. & G.S.

Field Inspection by: None

date:

Field Edit by: None

date:

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

Projection and Grids ruled by (III) Wash. Office

date:

" " " checked by:

date:

Control plotted by:

date:

Control checked by:

Completed in 1944

date:

Radial Plot by:

date:

Detailed by:

date:

Reviewed in compilation office by:

date:

Elevations on Field Edit Sheet
checked by:

date:

Summary to Accompany Descriptive Report T-5747

T-5747 was compiled in the Washington Office in the spring of 1944 from nine-lens photographs taken in 1941. This map was compiled without field inspection of any kind; it is a preliminary compilation made for nautical chart use pending the usual photogrammetric field surveys and subsequent compilation of a standard accuracy map.

Horizontal control was identified in the office using the station descriptions and stereoscopic examination of the photographs.

The elevations shown on T-5747 were computed from measurements made on the aerial photographs.

This map was compiled and was applied to nautical charts in 1944 but has not been registered until now, that is, January 1950.

T-5747 is now superseded for charting purposes by a later and more accurate topographic map, T-5768.

Data pertaining to T-5747 are filed as follows:

A. Division of Photogrammetry General Files

1. Acetate manuscript

B. Bureau Archives

1. Registered original Descriptive Report
2. A cloth-backed lithographic print of the reviewed map manuscript at compilation scale (1:20,000).

DESCRIPTIVE REPORT T-5729 - T-5747

Date of this Report - May 15, 1944

Horizontal Control - The horizontal control stations for the Islands are on pinacles and highest points, and are as follows: (Unalaska Datum)

Third order Semidi No. 1,	1925	(d)
" "	2,	" "
" "	3,	" "
" "	4,	" "
" "	5,	" " no check position

First Order Aghivak, 1925
Chowiet, 1925

Semidi 1,2,4,5 Aghiyak and Chowiet were recovered on the nine-lens photographs and used to control the radial plot.

Vertical Control - Vertical control for the highest elevations on the Islands was obtained by photogrammetric computations by G.C. Tewinkle. Data for this is attached to this report. *Data is filed in Div. of Photogrammetry General Files under T-5747.*

Radial Plot - The radial plot was performed with the radial intersector equipment, (Steel templates) and, as far as can be determined, is satisfactory. Limited horizontal control stations and inability to recover positively every station precisely leaves some doubt as to the absolute accuracy of the map, although it is evidently sufficiently accurate for publication at the scale of 1:400,000.

Recommendations - It is recommended that the islands be recompiled in greater detail for any survey or publication purpose at scales between 1:20,000 and 1:200,000.

Respectfully submitted,

S. V. Griffith
S. V. Griffith *K.K.H.*
Cartographic Engineer 1944

Reviewed by: Gordon B. Willey 28 November 1949

Examined and Approved:

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