

5729

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-5729

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 _____

B-1870-1 (1)

5729

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. 5729

REGISTER NO.

State Alaska

General locality S. W. Alaska

Locality Semidi Islands

Scale 1:20,000 Date of survey August 6, 1941

Vessel Washington Office

Chief of Party S. V. Griffith *R. W. Knox chief of section*

Radial Plot: G. B. Willey

Surveyed by Compilation: M. A. Prokopovisch

Inked by M. A. Prokopovisch

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated April 21, 1944, H.E. Finnegan, 19____

Remarks: Notice: Rough compilation only, for publication at 1:400,000. Not recommended for subsequent hydrographic or topographic surveys or for any other nautical charts.

Notice of this survey is being transmitted to the Aeronautical Chart Branch for application to Aeronautical Charts.

Registered: 1/26/50

Data Record T-5729

Photographs - 9 lens photographs taken Aug. 6, 1941

Supplemental Surveys - None. All published maps of these Islands showed them only roughly. Sizes, shapes and positions entirely out of proportion.

Date of Survey - the date of the Photographs, Aug. 6, 1941.

Summary to Accompany Descriptive Report T-5729

T-5729 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-5729 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T-5729 is now superseded for charting purposes by a later and more accurate topographic map, T-5767.

Data pertaining to T-5729 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 (a)

"	"	2,	"	"
"	"	3,	"	"
"	"	4,	"	"
"	"	5,	"	" no check position

First Order Aghiyak, 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.

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: 400000.

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
Cartographic Engineer

Reviewed by: Gordon B. Willey-28 November, 1949

Examined and Approved:

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Tech. Assist. to the Chief Div. of Photogrammetry

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