

~~Graphic Control~~

6980

Graphic

Diag. Cht. No. 8863-2

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

Diag 3363

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC ~~Graphic Control~~
Field No. "D" Office No. T6980

LOCALITY

State ALASKA
General locality ALEUTIAN ISLANDS
Locality DELAROF ISLANDS -
SKAGUL & OGLIUGA ISLANDS

194 4

CHIEF OF PARTY

L. C. Wilder

LIBRARY & ARCHIVES

DATE January 10, 1945

APR 20 1945

B-1870-1 (1)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T6980

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. "D"

REGISTER NO. T-6980

State ALASKA - Aleutian Ids.

General Locality Delarof Is.

Locality Aleutian Islands

Scale 1:20,000 Date of survey July 23 to Aug. 12, 1944

Vessel USC&GSS DERICKSON

Chief of party L. C. Wilder

Surveyed by E. B. Brown

Inked by E. B. Brown

Heights in feet above MHW to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Revised 4/16/43; Supplemental 2/1, 1944

Remarks: Graphic Control shoreline added from air photographs

COM 17 Project 4

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET No. "D"

INSTRUCTIONS DATED: Revised April 16, 1943
Supplemental February 1, 1944
COM 17 Project 4

CONTROL: The control was a scheme of third order triangulation -
Unalaska Datum - Field Computations.

DESCRIPTION OF COAST: The shores are rocky with offlying rocks and kelp. The south-eastern and eastern shores of Skagul Island are very foul and the kelp is very thick. Skagul Island is rolling grassy hills 90 to 100 feet high covered with grass. Ogliuga Island is comparatively flat and marshy. There is a landing strip and temporary huts on the northern shore. It was planned that all huts and poles be removed. Some of the equipment was removed while the survey was in progress. It was planned that the landing strip and tower would be left on the island. (25)

SURVEY METHODS: Standard topographic methods were followed. Triangulation station GUL, 1944 was plotted on the sheet and the azimuth GUL to UGIDAK was drawn on the sheet using a steel protractor. With these starting data, station ITEM was located by a plane table azimuth and a distance taped with a 75 meter wire. Using this base all other signals were located by graphic triangulation supplemented by rod readings where needed.

DISCREPANCIES: It was found that the initial azimuth was drawn on the sheet 10° in error in a clockwise direction.

The distances between signals, as compared with distances that were later determined by triangulation, were too great by approximately 7 meters per mile.

The adjustment was made by swinging the topography counter-clockwise about GUL and reducing the distances so that the topographic positions and triangulation positions of the following stations would be in agreement: GUL, TAG, TOWER, ZED, RADAR (USED), BAC, ITEM, OBO, CAB, HAD, FAD, and YOKE (USED). The cuts are left in pencil on the sheet.


MAGNETIC MERIDIANS were drawn on the sheet with declinitaire No. 244 as follows:

Station	Time	Date	Declination
FAD	1610	8/12/44	08° 04'
CAB	1000	8/9/44	07° 50'
OMI	1700	7/24/44	07° 29'
TWIN	1130	7/25/44	06° 49'

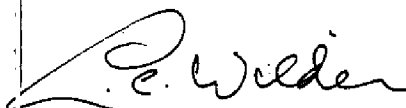
(40)

LANDMARKS: There are no landmarks of sufficient prominence for charting purposes.

Submitted January 10, 1945:


Edward B. Brown, Jr.,
Lieut. Comdr., U.S.C. & G. Survey

Approved and forwarded:


L. C. Wilder,
Lieut. Comdr., U.S.C. & G. Survey.

REPORT ON INSPECTION OF PHOTOGRAPHS

TANAGA ISLAND AND THE DELAROF ISLANDS

ALEUTIAN ISLANDS

1944

REPORT ON INSPECTION OF PHOTOGRAPHS

Tanaga Island and the Delarof Islands

ALEUTIAN ISLANDS

1944

This short report covers the inspection of the following photographs: Nos. 453 to 461, Ogliuga and Skagul Ids. by MV E. LESTER JONES; Nos. 79 to 116, Cape Sasmik to inner part of Tanaga Bay (south side) and Cape Sasmik to Cape Amagalik (north part) by MV PATTON; and the balance by MV DERICKSON.

All other photographs of this general area are being retained aboard the MV DERICKSON as inspection was incomplete or for the most part not undertaken. The numbers are as follows: 485, 117 to 145, 146 to 168, 441 to 445, 201 to 225, 462 to 469, 472 to 480, and single lens photos of Amatignak Id.

All points circled and notes entered on photographs in 1944 are in blue ink. Late instructions for inspection of photographs were not available in the field. No person walked the high waterline, nor was it followed closely by boat. In lieu thereof where it appeared indefinite on the photographs, it was examined. The low water or reef line was checked in but a few places. An attempt was made to check the outer offlying rocks. If there is any question regarding the photographs of the outer coast of Tanaga Id., Lt. Comdr. Pierce may be consulted although I believe Lt. Comdr. Ricketts made the inspection. Most of the inspection of Ogliuga and Skagul Ids. was made by Lieut. Stone. Lt. Comdr. Roberts can also be consulted for this area if necessary.

The topography of the north and east shores of Tanaga Bay was run in by personnel of the MV PATTON. The Seattle Processing Office has the graphic control topographic sheets of the south side of Tanaga Bay and also that of Skagul and Ogliuga Ids. These sheets or tracings might be needed in the compilation although there is little shoreline on the Skagul-Ogliuga Id. sheet. I believe the descriptions of stations in the area, south side of Tanaga Bay, contain no distances to offlying rocks, etc. to assist in spotting the stations on the photographs. The topographic sheet would be of assistance in this respect.

I would judge that the shoreline of the Skagul-Ogliuga Id. area would be desired in the field this coming season if hydrography is to be done there. Some inspection was accomplished in the Ulak Island area but control is not complete and photographs were not forwarded.

Respectfully submitted,

L. C. Wilder,
Commanding Officer,
USC&GSS DERICKSON.

Supplement to Descriptive Report T-6980

COMPILATION OF SHORELINE FROM AERIAL PHOTOGRAPHS

The planetable work included identification of control on existing Navy five-lens photographs and the field inspection of a few sections of high water line on these photographs. This field work was accomplished in the summer of 1944. The compilation of the shoreline from the aerial photographs was done in the Washington Office in August 1945.

A templet radial plot of this area was made from five-lens photographs directly on the planetable sheet. Two triangulation stations and seven topographic stations that were identified on the photographs in the field were used to control the plot. These stations could not be held exactly in the plot, probably because of distortion in the paper that the photographs were mounted on. The plot held all of the control within 1.0 millimeter.

The high water line was first inked on the photographs under the stereoscope. Only a very few sections of the high water line had been field inspected and the balance was interpreted by analogy. It is therefore subject to error in interpretation, particularly on flat or gently sloping ledges. Following the delineation of the high water line on the photographs, it was projected to the planetable sheet using the map projector and holding to points located by the radial plot.

As discussed above, it was not possible to make a precise radial plot with these photographs which have been mounted for some years and which are distorted. However, except for possible errors in shoreline identification, all areas are considered to be within one millimeter of correct geographic position.

Photographs Nos. 453 to 461, inclusive, were used.

L. C. Lande
L. C. Lande

Inspected by
B. G. Jones
Photogrammetric Section
Nautical Chart Branch

This survey is superseded
by T-8005. No revision
necessary
R. H. Cavatone 1/12/49

Both now superseded by
T-8005, T-8006
L. C. Lande
May 1949

NAUTICAL CHARTS BRANCH

SURVEY NO. 6980

Record of Application to Charts

[illegible]

M-2168-1

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.

GEOGRAPHIC NAMES

Survey No.

T-6980

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Alaska</u>			(for title)							1
<u>Aleutian Islands</u>			" "							2
<u>Diklof Islands</u>			" "							3
<u>Skagul Island</u>										4
<u>Opluga Island</u>									USCB	5
<u>Tag Island</u>										6
<u>Skagul Pass</u>										7
										8
										9
Names underlined in red are approved.										10
1/13/48: L. Heck										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27