

# 8466

Diag. Cht. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. \_\_\_\_\_ Office No. T-8466

### LOCALITY

State Alaska

General locality Alaska Peninsula

Locality Mitrofanias Island

1942

### CHIEF OF PARTY

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

### LIBRARY & ARCHIVES

DATE February 27, 1950

B-1870-1 (1)

# 8466

## DATA RECORD

T- 8466

Quadrangle (II):

Project No. (II):

~~Field Office: Chief of Party: R. W. Knox~~Compilation Office: Wash. D.C. Chief of Party: *R.W. Knox chief of section*  
~~L. C. Lande~~

Instructions dated (II III):

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

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed: 11 29/49 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): <sup>MHW</sup>~~MLLW~~

Reference Station (III): Mitrofanis 1914

Lat.: 55° 52' 04.25" Long.: 158° 52' 10.68" ~~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>
10924-10931 Inc.	9-5-42	12:00 PM	1:20,000	

Tide from (III):

Mean Range:

Spring Range:

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

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. D.C.

date: 1943

" " " checked by: Wash. D.C.

date: 1943

Control plotted by: *Washington Office*

date: 1943

Control checked by: " "

date: 1943

Radial Plot by: Zaira Schwaner

date: 1943-1944

Detailed by: Zaira Schwaner

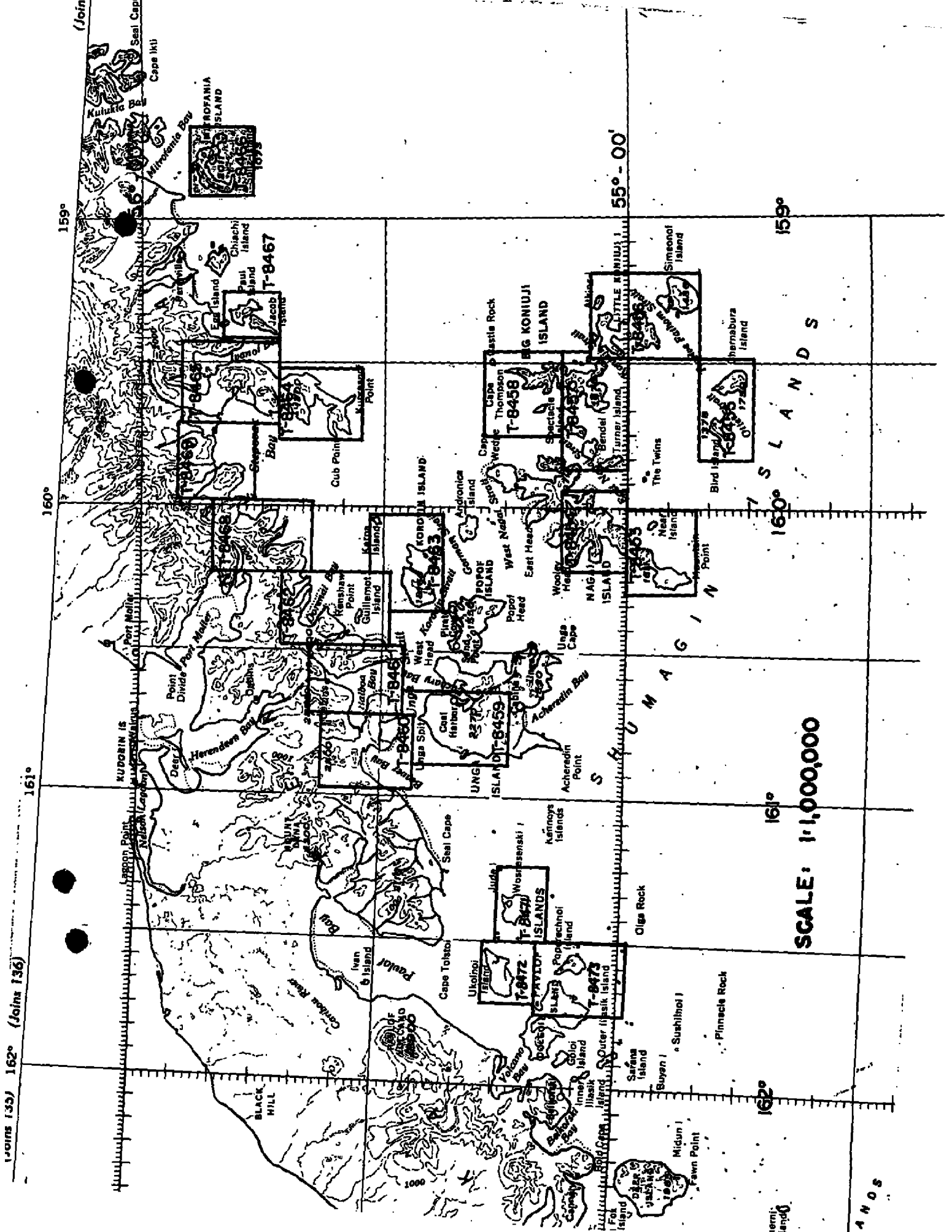
date: 1943-1944

Reviewed in compilation office by: G. C. Tewinkel

date: 1943-1944

Elevations on Field Edit Sheet  
checked by:

date:



Joins 135) 162° (Joins 136)

161°

159°

(Join

55° - 00'

162°

161°

159°

SCALE: 1:1,000,000

S L A N D S

ANDS

Summary to Accompany T-8466

Preliminary Shoreline Sheet T-8466 covers Mitrofanía and Spitz Islands, south of the Alaska Peninsula, extending in Latitude from 55°-46' to 55°-55' and in Longitude from 158°-41' to 158°-55'.

This sheet was radial plotted and delineated without benefit of field inspection of any kind.

Topographic map T-8827, Project CS-319, covers this same area, and supersedes T-8466.

Data pertaining to T-8466 is filed as follows:

A. Division of Photogrammetry General Files:

1. Acetate manuscript

B. Bureau Archives:

1. A cloth-backed lithographic print of the reviewed map manuscript at the compilation scale.
2. Registered original descriptive report.

*Gordon B. Willey*  
Gordon B. Willey  
29 November 1949

Air Photographic Survey T-8466 - Mitrofanina Island

Vicinity of Alaska Peninsula

1:20,000

See T-8827 (1:20000) 1947/48

1. This air photographic survey T-8466 was compiled in the Washington Office from 1942 nine-lens photographs without field inspection of either the control or the shoreline.

The photographic plot for this survey consisted of a scheme of graphic triangulation (radial line plot) based on the existing triangulation (ground control) and extended over the area covered by this survey. The relative accuracy of this work, i.e., the distances and directions between points of detail, should be good. However, since the identification of the ground control was accomplished in the office using the original descriptions, it must be considered as approximate.

2. Nine U. S. C. & G. S. triangulation stations are within the compilation area, but only the following four stations could be identified with sufficient accuracy to be used in the radial plot:

- ✓ Mitrofanina 1914
- ✓ Outer Rock, Spitz 1914
- ✓ Fan 1914
- ✓ Lion 1920

3. The compilation and delineation of this survey has been done without prior field inspection. It is not possible in the office to distinguish whether the shoreline is slightly above or below high water. For this reason upon the receipt of subsequent field inspection it may be necessary to revise the shoreline.
4. With further reference to paragraph 1, the ground control was approximately identified on the photographs in the office rather than the accepted method of field identification on the photographs in the field. Should the field identification of the control show any differences from the office identification, this information should be sent to the Washington Office so that the compilation can be corrected.

5. Numerous pinnacles, prominent boulders and other features have been radial plotted and shown on the compilation with small black circles with the hope that they could be used as hydrographic signals and be valuable in expediting future hydrography. These features are described on the field photographs after careful examination with the aid of the stereoscope, but in some cases these descriptions will be erroneous but field examination should easily clarify them.
6. The elevations of peaks were determined from photograph parallax measurements, except as noted on the compilation, and are believed to be accurate to ± 100 ft.
7. The accuracy of shoreline details is believed to be from 0.0 mm to 1.0 mm.
8. Reference Station - Unalaska Datum

Mitrofanía 1914 Latitude 55°52'04.25"  
Longitude 158°52'10.68"

Compiled by Miss Zaira Schwaner

Reviewed by G. C. Tewinkel

*G. C. Tewinkel*

Submitted by L. C. Lande

*L. C. Lande*

Reviewed by:

Gordon B. Willey  
Gordon B. Willey 11-29-49

Examined and Approved:

B. J. Jones 1/50  
Technical Assistant to the  
Chief, Division of Photogrammetry

H. Edmiston  
Chief, Nautical Chart Branch  
Division of Charts

B. S. Reading  
Chief, Division of Photogrammetry

K. G. Crosby  
Chief, Div. of Coastal Surveys