

11534

11534

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No.	Office No. T-11534
LOCALITY	
State	Alaska (Aleutian Islands)
General locality	Andreanof Islands
Locality	Atka Island
19 53-54	
CHIEF OF PARTY	
W. H. Bainbridge, Chief of Party	
L. W. Swanson, Washington Office	
LIBRARY & ARCHIVES	
DATE	

# DATA RECORD

T-11534

Project No. (II): **PH-34**

Quadrangle Name (IV):

Field Office (II): **Ship Pioneer**

Chief of Party: **W. H. Bainbridge**

Photogrammetric Office (III): **Washington, D. C.** Officer-in-Charge: **L. W. Swanson**

Instructions dated (II) (III):

**Project Instructions**

**16 Dec. 1954**

Copy filed in Division of

**Supp.**

"

**10 Nov. 1955**

Photogrammetry (IV)

"

"

**1 Oct. 1956**

**Office Files**

**Compilation**

"

**5 Nov. 1957**

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:20,000**

**Contours: Reading Nine-Lens Plotter**  
Stereoscopic Plotting Instrument Scale (III): **1:20,000**

Scale Factor (III): **1.0**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

**N. A. 1927**

Vertical Datum (III):

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III):

Lat.:

Long.:

Adjusted  
Unadjusted

Plane Coordinates (IV):

State: **Alaska** Zone: **1**

Y=

X=

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

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


Areas contoured by various personnel  
(Show name within area)  
(II) (III)

## DATA RECORD

Field Inspection by (II): **None** *W.H. Bainbridge*  
(Control only)

Date: *June - 1953*

Planetable contouring by (II): **None**

Date:

Completion Surveys by (II): **None**

Date:

Mean High Water Location (III) (State date and method of location):

**Identified on photographs taken in 1953 and 1954**

Projection and Grids ruled by (IV): **Joan Chaconas**

Date: **11-2-56**

Projection and Grids checked by (IV): **H. Wolfe**

Date: **11-7-56**

Control plotted by (III): **G. Amburn**

Date: *Jan 1957*

Control checked by (III): **H. Lucas**

Date: *Jan 1957*

Radial Plot or Stereoscopic **J. Battley**  
Control extension by (III):

Date: **2-21-57**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours *C. Misfeldt*  
*V.E. McNeel*

Date: **1960-1969**

Manuscript delineated by (III): **G. Amburn**

Date: **10-10-57**

Photogrammetric Office Review by (III): **E. Ramey**

Date: *May 1958*

Elevations on Manuscript  
checked by (II) (III):

**L. Levin**

Date: **1960**

Camera (kind or source) (III):

**C&GS 9-lens**

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42003	9-21-53	1535	1:20,000	2.4 above MLLW
42004	9-21-53	1535	"	" " "
42005	9-21-53	1535	"	" " "
45995	9-6-54	1328	"	3.5 (observed)
45996	9-6-54	1328	"	" "

and U.S. Navy photography dated July 21, 1951

## Tide (III)

Reference Station: **Sweeper Cove Adak I**  
 Subordinate Station: **Nazan Bay**  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	3.7	
0.9	3.3	

Washington Office Review by (IV): **K. N. Maki**Date: **Sept. 1971**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

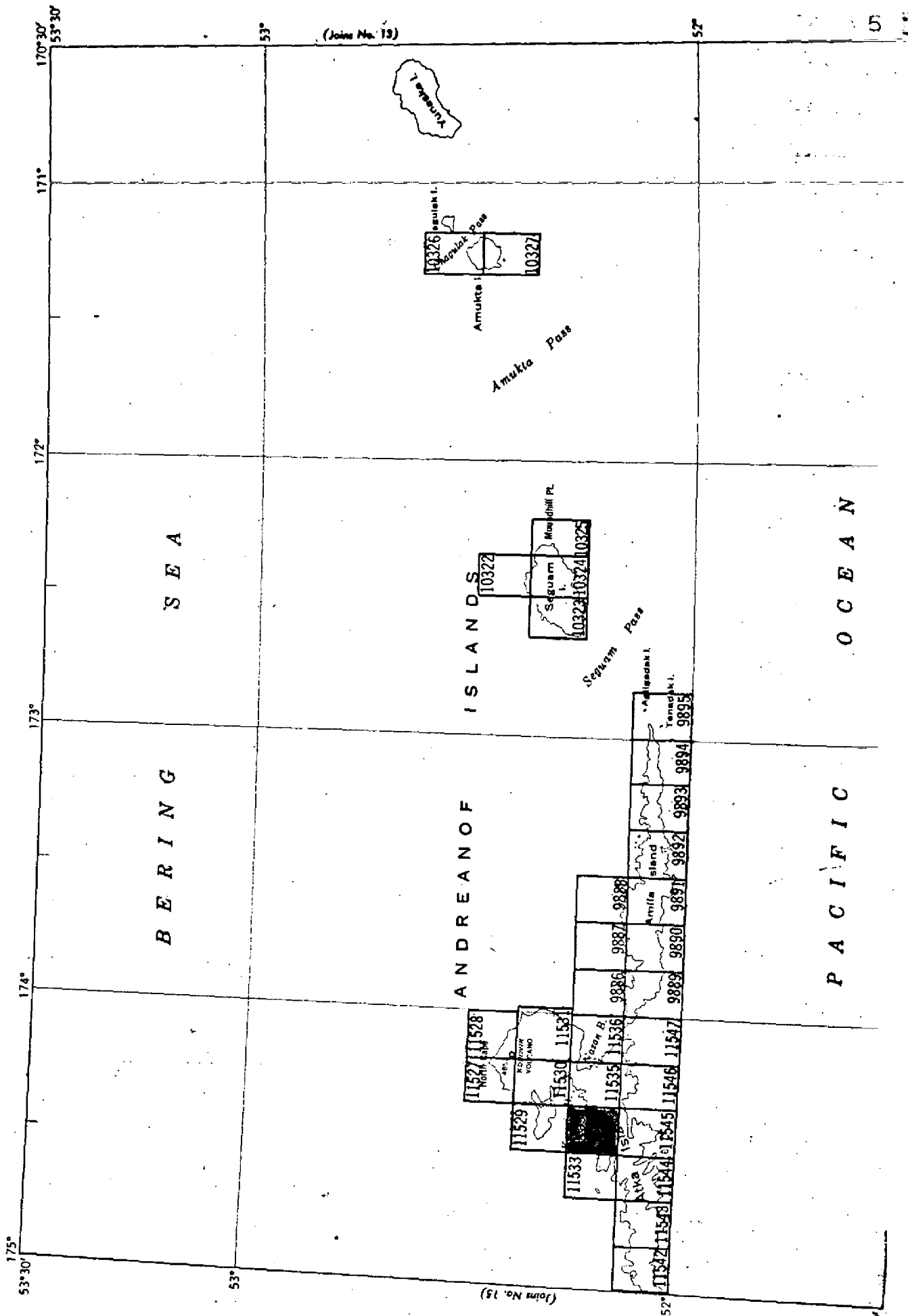
Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

# TOPOGRAPHIC MAPPING PROJECT Aleutian Islands ● LASKA Part C



## Summary to Accompany Descriptive Report T-11534

Topographic map T-11534 is one of a series of similar maps covering a part of PH-34, Part C; Andreanof Island group, Aleutian Islands, Alaska. T-11534 covers that area of Atka Island that includes Banner Bay at the southwest corner of the map, Egg Point, Egg Island, Egg Bay and Sarana Cove at the east limits of the map.

The field operations preceding compilation were limited to the recovery of horizontal control and the determination of elevations to control the nine-lens stereoplotter project vertically. The few field inspection notes were restricted to general descriptions of foreshore and beach characteristics.

The nine-lens compilation of contours was preceded by a graphic compilation of shoreline, foreshore and offshore features for hydrographic survey needs based on the field recovery of horizontal control with little or no field inspection of shoreline and related features.

Contours were compiled on the Reading nine-lens stereoplotter. The contour interval is 50 feet with a first 25-foot contour where contour spacing permitted and where better expression of nearshore configuration could be obtained.

The registered copy under T-11534 will consist of a cronaflex positive and a Descriptive Report.

### Photogrammetric Plot Report

This report covers the plot for surveys T-11533 through T-11536 and T-11544 through T-11547. It is filed as part of the Descriptive Report for T-11533.



MAP T-11534 PROJECT NO. PH-34 SCALE OF MAP 1:20,000 SCALE FACTOR

[illegible]

## Compilation Report

T-11534

### 31. Delineation:

Shoreline and foreshore features were delineated by stereoscopic interpretation of 9-lens photographs at 1:20,000 scale using radial plot positions for control. See also sub-heading 33

### 32. Control:

See the Photogrammetric Plot Report attached to the Descriptive Report for T-11533 for an evaluation of control.

### 33. Supplemental Data:

T-6918, 1:20,000, 1943 and U. S. Navy photographs taken 21 July 1951 were used to supplement the 9-lens photographs. Survey T-6918 was used as a guide to interpret shoreline details and establish a datum plane. Some features not visible on the 9-lens photographs were added from the U. S. Navy photographs.

### 34. Contours and Drainage:

Sufficient field determined elevations combined with water level datum were available to control the vertical datum for compilation of contours.

### 35. Shoreline and Alongshore Features:

Some shoreline was difficult to interpret on the photographs because of its being obstructed by shadow or overhang. However, except for the more intricate areas, the shoreline is believed accurately delineated.

### 36. Offshore Details:

Not all offshore rocks shown on survey T-6918 were identifiable on the photographs and thus were not compiled. No rock heights were compiled.

37 and 38 Not applicable

39. Junctions:

South: T-11545, East T-11535 and West T-11533

40. Horizontal and Vertical Accuracy:

a. Horizontal

No deficiencies were indicated

b. Vertical

46. Comparison with existing maps:

T-6918, 1:20,000, 1943

T-11534 and the planetable sheets agree in general. However, rocks that could not be seen clearly on the photographs were omitted and foul symbol shown. There are also differences in ledge limits and shoreline.

47. Comparison with nautical charts:

Chart No. 8862 scale 1:300,000 first edition 1943  
corrected to 10-15-51

Chart No. 9136 scale 1:10,000 first edition 1943  
corrected to 1-28-52

Items to be applied to charts immediately: None

Items to be carried forward: None

Submitted by

Approved by

Jack Amburn  
Jack Amburn  
10-10-57

E. Ramey  
E. Ramey

T-11534

## 48. Geographic Name List:

- Korovin Bay
- Bering Sea
- Starichkof Reef
- Egg Point
- Egg Bay
- Egg Island
- Atka Island
- Banner Bay
- Sarana Cove

PREPARED BY

*Frank W. Fickett*

CARTOGRAPHIC TECHNICIAN

APPROVED BY

*A. Joseph Wright*

CHIEF GEOGRAPHER

Review Report  
T-11534  
Topographic Map  
September 1971

61. General Statement

Graphic compilation of shoreline was completed in 1957 to fulfill hydrographic survey needs. This shoreline compilation was followed by a separate contouring operation done on the Reading nine-lens plotter and completed in 1960. The contour interval was 50 feet with a first 25-foot contour.

62 through 65. Comparison With Other Surveys

The map manuscript was compared with all prior registered topographic surveys, maps of other agencies, contemporary hydrographic surveys and nautical charts during compilation. Discrepancies and conflicts between the map manuscripts and the prior surveys were resolved at the time comparisons were made.


66. Adequacy of Results and Future Surveys

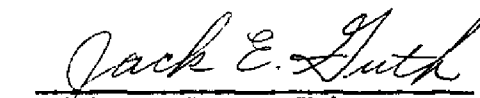
Shoreline and related features, including contours, are considered to be delineated adequately, although field work was limited almost entirely to photoidentification of horizontal and vertical control.

Reviewed by:

  
K. N. Maki

Approved by:

  
Charles Theurer, Chief  
Photogrammetric Branch

  
Jack E. Guth, Chief  
Coastal Mapping Division