

11546

11546

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline
Field No.	Office No. T-11546
LOCALITY	
State	Alaska (Aleutian Islands)
General locality	Andreanof Islands
Locality	Atka Island
1954-57	
CHIEF OF PARTY	
E. H. Kirsh, Chief of Party	
L. W. Swanson, Washington Office	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T-11546

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

Quadrangle Name (IV):

Field Office (II): **Ship "EXPLORER"**

Chief of Party: **E. H. Kirsh**

Photogrammetric Office (III): **Washington, D. C.**

Officer-in-Charge: **L. W. Swanson**

Instructions dated (II) (III):

Project Instructions: 16 Dec. 1954
Supplemental " 10 Nov. 1955
" " 1 Oct. 1956
Compilation " 5 Nov. 1957

Copy filed in Division of

Photogrammetry (IV)

Office Files

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

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

Stereoscopic Plotting Instrument Scale (III):

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:

Zone:

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): **R. E. Williams**Date: **July 1957**Planetable contouring by (II): **None**

Date:

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

Date:

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

Identified by stereoscopic examination of photographs taken 1954Projection and Grids ruled by (IV): **J. Chaconas**Date: **1-25-57**

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **G. Amburn**Date: **1-20-57**Control checked by (III): **H. Lucas**Date: **1-22-57**

Radial Plot or Stereoscopic

Control extension by (III): **J. Battley**Date: **1-6-58**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours **C Misfeldt**Date: **1960**Manuscript delineated by (III): **G. Amburn (shoreline)**
C. Misfeldt (contours)Date: **4-8-58**
1960Photogrammetric Office Review by (III): **B. Ramey**Date: **4-16-58**Elevations on Manuscript **L Levin**
checked by (II) (III):Date: **July 1960**

Camera (kind or source) (III): **C&GS 9-Lens**

Number	Date	Time	Scale	Stage of Tide
45978	6 Sept. 1954	1259	1:20,000	1.7
46005	"	1340	"	3.4 (observed)
46006	"	1341	"	" "

Tide (III)

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

Ratio of Ranges	Mean Range	Spring Range
	3.7	
0.89	3.3	

Washington Office Review by (IV): **K. N. MAKI**Date: **OCT - 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:

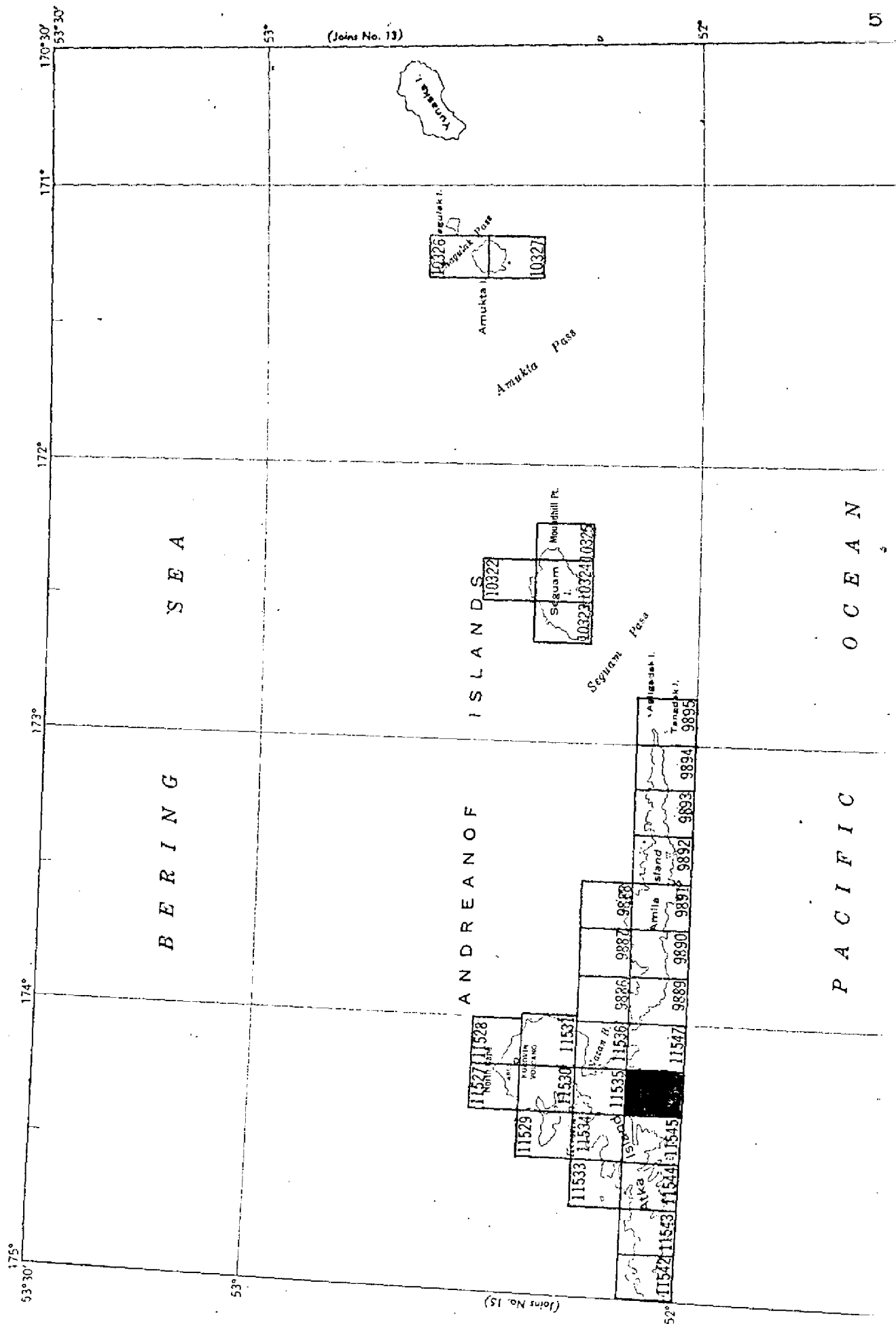
Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH-34

Aleutian Islands **ASKA** Part C



Summary to Accompany Descriptive Report T-11546

Topographic map T-11546 is one of a series of similar maps covering a part of PH-34, Part C, Andreanof Island group, Aleutian Islands, Alaska. T-11546 covers the south side of Atka Island from longitude 174° 10' on the east to longitude 174° 20' on the west.

The field operations preceding compilation consisted of the recovery of horizontal control and the determination of elevations to control the nine-lens stereoplotter project vertically.

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 very limited 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-11546 will consist of a corona-flex positive and Descriptive Report.

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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.

PROJECT NO. PH-34

[illegible]

COMPILATION REPORT
T-11546

31. DELINEATION

Shoreline and foreshore features were delineated from stereoscopic interpretation with the aid of 9-lens field-inspected photographs at 1:20,000 scale numbered 45979 and 46004.

32. CONTROL

See Radial Plot Report attached to Descriptive Report T-11533.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

35. SHORELINE AND ALONGSHORE FEATURES

Little, if any, field identification of shoreline was done but generally the shoreline was readily identified on the photographs. The shoreline is extremely intricate in some areas and thus difficult to delineate in its true shape and position.

36. OFFSHORE DETAILS

Offshore details were compiled as field-inspected. The area between Long. 174°13.6' and 174°16.6' was not inspected by the field party.

37 and 38

Inapplicable

39. JUNCTIONS

North T-11535, East T-11547, West T-11545,
South no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

A. Horizontal-No deficiencies in horizontal
accuracy are indicated.

B. Vertical

46. COMPARISON WITH EXISTING MAPS

None

47. COMPARISON WITH NAUTICAL CHARTS

8862 1944 corrected to 51-10/15

Items to be applied to Nautical Charts immediately: None
Items to be carried forward: None

Submitted by

Garnett S. Amburn
Garnett S. Amburn

Approved

Everett H. Ramey
Everett H. Ramey
Chief, Graphic Compilation Unit

ADDENDUM TO COMPILATION REPORT
T-11540, T-11541, T-11544, T-11545 and T-11546
9 October 1958

Segments of the shoreline were re-delineated on these manuscripts to incorporate a slight shift in datum which resulted from changes in positions of basic control. All changes are shown in red on the manuscripts and represent shifts in position up to approximately 0.6 mm. For a detailed discussion of the changes in position, see the appropriate photogrammetric plot reports filed as part of the Descriptive Reports for the above surveys.



Everett H. Ramey
Chief, Graphic Compilation Unit

T-11546

48. Geographic Name List

Andreanof Islands (title) —
Atka Island —
Pacific Ocean —

PREPARED BY

Frank M. Pickett
CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright
CHIEF GEOGRAPHER

Review Report
T-11546
Topographic Map

61. General Statement

Graphic compilation of shoreline was completed in 1958 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 manuscript and the prior surveys were resolved at the time comparisons were made.


66. Adequacy of Results and Future Surveys

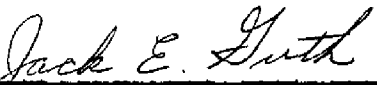
Shoreline and related features, including contours, are considered to be delineated adequately, although field work was limited almost entirely to photoidentification of horizontal and vertical control.

Reviewed by:


K. N. Maki

Approved by:


Charles Theurer, Chief
Photogrammetric Branch


Jack E. Guth, Chief
Coastal Mapping Division