

11545

11545

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No.	Office No. T-11545
LOCALITY	
State	Alaska (Aleutian Islands)
General locality	Andreanof Islands
Locality	Atka Island
19.54-57	
CHIEF OF PARTY	
E. H. Kirsh, Chief of Party	
L. W. Swanson, Washington Office	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T-11545

Project No. (II): PH-34 Quadrangle Name (IV): Sagchudak Island

Field Office (II): Ship "EXPLORER" Chief of Party: E. H. Kirsch

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

Instructions dated (II) (III): Copy filed in Division of
Photogrammetry (IV)

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

Office Files

Method of Compilation (III): Graphic (shoreline) Reading Nine-lens Plotter (contours)

Manuscript Scale (III): 1:20,000 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): Vertical Datum (III):

N. A. 1927

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): Universal Transverse State: Alaska Zone: 1
Mercator

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.

T- 11545

C. Misfeldt

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

DATA RECORD

T- 11545

Field Inspection by (II): R. E. Williams

Date: July - Aug - Sept
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 1954

Projection 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):

C. Misfeldt

Sept. 1960

Contours

Date:

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

Date: 4-28-58

C. Misfeldt (contours)

Sept. 1960

Photogrammetric Office Review by (III): E. Ramey

Date: 5-5-58

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

Date: July 1960

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

Number	Date	Time	Scale	Stage of Tide
45979	6 Sept 54	1300	1: 20,000	1.7 (predicted)
45980	"	1301	"	3.3 (observed)
46007	"	1342	"	3.4 (observed)
46008	"	1344	"	"
46009(T-11544)	"	1345	"	"

Tide (III)

Reference Station: Sweeper Cove, Adak I.
 Subordinate Station: Nazan Bay
 Subordinate Station: Sagchudak Island, Atka Island

Ratio of Ranges	Mean Range	Spring Range	HW	LLW
	3.7			
0.89	3.3		0120+0:20	
1.24		4.6	1:25-2:25	

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:

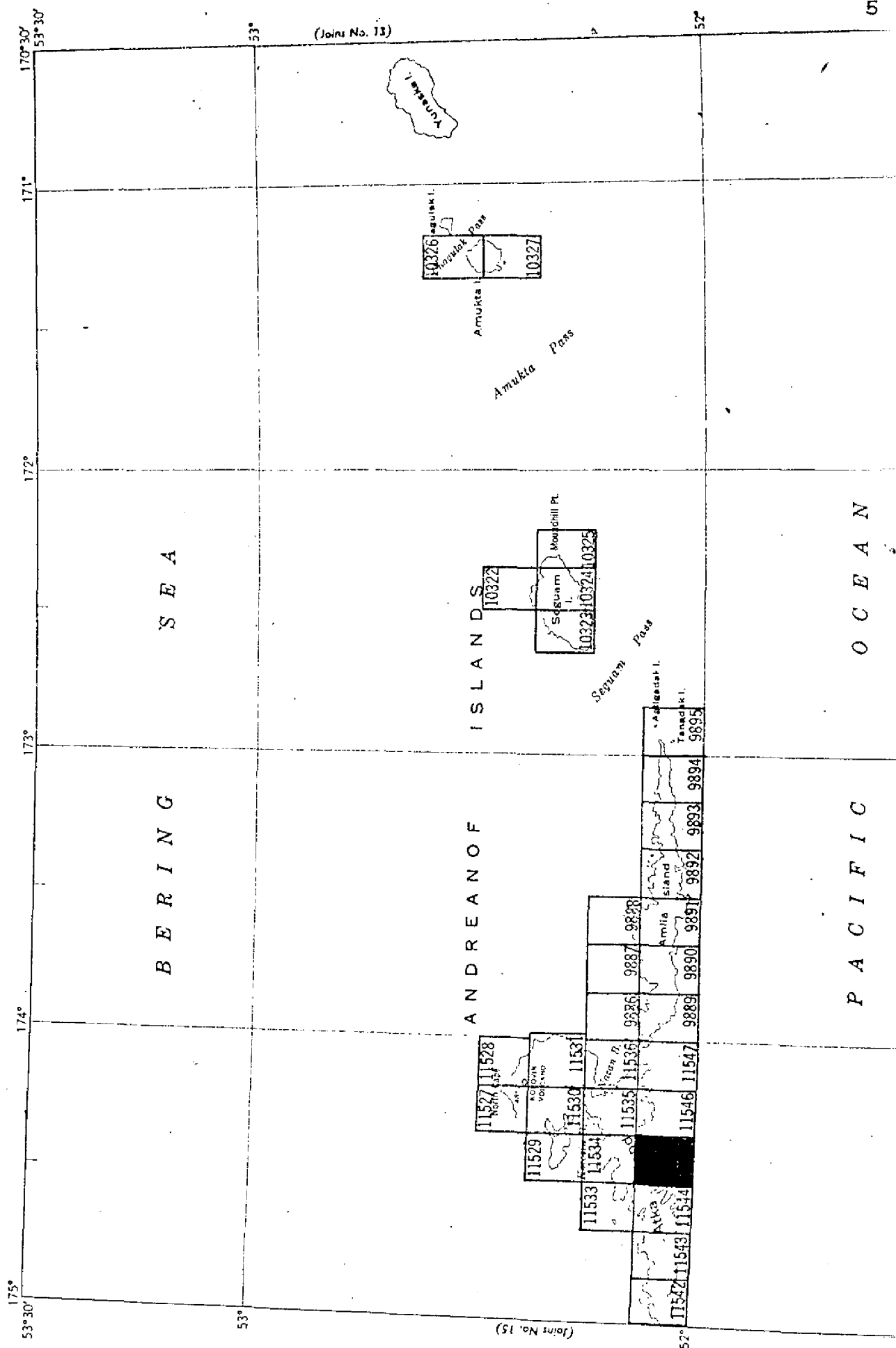
Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH-34

Aleutian Islands ALASKA Part C



Summary to Accompany Descriptive Report T-11545

Topographic map T-11545 is one of a series of similar maps covering a part of PH-34, Part C, Andreanof Island group, Aleutian Islands, Alaska. T-11545 covers the area of Atka Island from Kobakof Bay on the west to Vasilief Bay on the east. Off-lying islands to the south of Atka Island include Sagchudak Island, Sadatanak Island, Amtagis Islands and Vasilief Islands.

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-11545 will consist of a cronaflex positive and 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.

SCALE FACTOR

1 FT. = 3048006 METER	computed by Wisiecki, ✓ Lucas	11/27/57	COMM-DC-57843
COMPUTED BY: P. Wisiecki	CHECKED BY: H. Lucas	DATE NOV. 1957	00

COMPILATION REPORT

T-11545

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, 45980 and 46007.

32. Control:

See radial plot report attached to descriptive report T-11533.

33. Supplemental Data:

None

34. Contours and Drainage:

Water elevation, corrected from tide data, was used for vertical control.

35. Shoreline and Alongshore Features:

Little, if any, field identification of shoreline ~~maps~~ 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.

37. and 38. Inapplicable.39. Junctions:

North:T-11534, East:T-11546, West:T-11544, South: no contemporary survey.

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40. Horizontal and Vertical Accuracy:

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

B. Vertical - No deficiencies


46. Comparison with Existing Maps: None47. 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

Approved:


Everett H. Ramey, Chief
Graphic Compilation Unit

Submitted by


Garnett S. Amburn

Typographic section of
report submitted by:

Clarence Misfeldt
Cartographer

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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-11545

48. Geographic Name List

Amtagis Islands ✓
Andreanof Islands (title) ✓
Atka Island ✓
Kobakof Bay ✓
Pacific Ocean ✓
Sadatanak Island ✓
Sagchudak Island ✓
Vasilief Bay ✓
Vasilief Islands ✓

PREPARED BY

Frank M. Pickett
CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright
CHIEF GEOGRAPHER

Review Report
T-11545
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 mainly 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