

9886 THRU 9895

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No.	Office No. T-9886-95
LOCALITY	
State	Alaska
General locality	Aleutian Islands
Locality	Amlia Island
19 53-58	
CHIEF OF PARTY	
E.H. Kirsh, Chief of Party	
L.W. Swanson, Washington Office	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T- 9886

Project No. (II): PH-34

Quadrangle Name (IV):

Field Office (II): Ship EXPLORER

Chief of Party: E.H. Kirsh (1957)
G.C. Mast (1958)

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

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):

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

Copy filed in Division of
Photogrammetry (IV)

Office files

Method of Compilation (III): Graphic

Contours: A-7 Autograph stereoplotter

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): N.A. 1927

Vertical Datum (III):

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

Reference Station (III):

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV): UTM

State: Alaska

Zone: 2

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.

		V.	McNeel						

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

T-9886	J. P. Battley, Jr.	Jan. 1959
9887	G. Amburn	Feb. 1959
9888	"	Feb. "
9889	J. P. Battley, Jr.	Jan. "
9890	"	Feb. "
9891	"	Feb. "
9892	"	April "
9893	H. Lucas	April "
9894	J. P. Battley, Jr.	April "
9895	"	April "

DATA RECORD

Field Inspection by (II): E.H. Kirsh
G.C. Mast control only

Date: June-Aug. 1957
June-Sept. 1958

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

Office interpretation of photographs

Projection and Grids ruled by (IV):

Date: 10-9-58

P. Dempsey
Projection and Grids checked by (IV):

Date:

Shoup

10-10-58

Control plotted by (III):

Date:

G. S. Amburn

12-15-58

Control checked by (III):

Date:

F. Wisiecki

12-15-58

Radial Plot or Stereoscopic

Date:

Control extension by (III): J. P. Battley, Jr.

1-15-59

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

V. McNeel

Jan.-Mar. 1970

Manuscript delineated by (III):

Date:

Graphic: J. P. Battley, Jr.
(see opposite page)

- April
Jan. ~~25-30~~ 1959

Photogrammetric Office Review by (III):

Date:

R. Sugden T-9893-5
E. Ramey T-9886, 88-92
J. Battley T-9887

1959

Elevations on Manuscript

Date:

checked by (II) (III):

K. N. Maki (contours)

²
197X

Camera (kind or source) (III):

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
57913-57924	7-1-58	1344-1350	1:20,000	0.4' below MLLW
57834-57859	7-1-58	1139-1151	1:20,000	1.2' below MLLW
51811-57821	7-1-58	1117-1122	1:20,000	1.2' below MLLW
57925-57941	7-1-58	1356-1404	1:20,000	0.4' below MLLW
58900-58906	9-18-58	1002-1005	1:20,000	2.7' above MLLW
58888	9-18-58	0950	1:20,000	2.7' above MLLW
58909	9-18-58	1008	1:20,000	2.7' above MLLW
42240-42250	10-8-53	1222-1235	1:20,000	2.5' above MLLW

Tide (III)

Reference Station: Sweeper Cove
Subordinate Station: Nazan Bay
Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	3.7	
0.89	3.3	

Washington Office Review by (IV): K. N. Maki

Date: Jan. 1972

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) (II):

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:

Part C



Summary to Accompany Descriptive Report
T-9886 thru T-9895

Topographic maps T-9886 thru T-9895 are ten maps of a series of similar maps covering a part of PH-34, Part C, Andreanof Islands group, Aleutian Islands, Alaska. These ten maps cover all of Amlia Island except the extreme western end which falls on maps T-11536 and T-11547.

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.

Because both Reading nine-lens plotters were dismantled prior to the start of contouring on Amlia Island, contours were compiled on the Wild A-7 Autograph stereoplotter. The Wild A-7 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 no field inspection of shoreline and related features.

The contour interval is 50 feet with a first 25-foot contour where contour spacing permitted and where better expression of near shore terrain configuration could be obtained.

The registered copies under T-9886 thru T-9895 will consist of one cronaflex positive of each of the ten maps and a single combined Descriptive Report.

Photogrammetric Plot Report

PH-34 - Amlia I. Alaska

January 1959

21. Area Covered

The radial plot covers Amlia Island in its entirety. The manuscripts are T-9886 thru T-9895. The western tip of Amlia I. extends on to manuscripts T-11536 and T-11547. These manuscripts were included in the plot.

22. Method

The plot was laid on four vinylite base sheets with a ruled 2000-meter U.T.M. grid.

The photographs used were metal-mounted, nine-lens. As it was determined at the printing stage that there were no significant transformer errors or paper shrinkage errors a master calibration templet was not used in preparing templets.

The plot was begun at its western extremity. A satisfactory junction was ~~here~~ made with the Atka I. plot previously laid to the west (see attached sketch). It was then extended eastward to complete the island.

The attached sketch shows photographs and control used in the plot.

23. Adequacy of Control

Twenty-one triangulation stations were identified by the field party. Of these, nineteen were used in the plot. The two stations not used were RAIN 1958 and SAG (highest point of Sagigik I.) 1958. Reasons are as follows: RAIN 1958... the description and field photo identification was so indefinite for this station that it was considered doubtful and also of little value in controlling the plot. Other well-identified control held nearby. SAG 1958... this station could not be identified on the photographs used in the plot. The station can be identified on photographs 57811 and 57812. These photographs were not used in the plot as they were centered over water and would not have aided in extending the plot. The photographs can be resected on the manuscript for compilation purposes.

-2-

23. Of the 19 field-identified triangulation stations, 18 held within 0.3 mm. (See plot sketch.) TUND 1958 did hold in the plot and is discussed herein: TUND 1958....1.8 mm NW of plotted position. The field photograph position was used in the plot, as the CSI card stated that the white pole with banner boards was pricked on the field photo. Reference measurements taken from the published description did not agree with the field photo position. The field identification is evidently in error. Station ROUND 1941 held nearby.

The control used in the plot was 1941, 1943 published positions and 1958 unadjusted field positions.

24. Supplemental data:

None

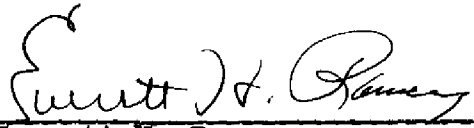
25. Photography

Due to excessive cloud conditions on the photographs, more than the usual amount of photography was used to assure adequate coverage for control and compilation. (See plot sketch).

Submitted by:


Jeter P. Battley, Jr.

Approved by:


Everett H. Ramey
Chief, Graphic Compilation Unit

Ph-34
▲... control held
△... control not held



DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9886-95 PROJECT NO. PH-34 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter)	
				FORWARD	(BACK)
QUIT, 1958	T-9893		5769 916.5	1916.5	83.5
				1151.5	848.5
NIKOF, 1958	T-9892		5767 540.2	1540.2	459.8
				1879.6	120.4
HAYSTACK ROCK, 1943	T-9889		5771 243.7	1243.7	756.3
				790.9	1209.1
SHARP, 1958	T-9890		5770 078.3	78.3	1921.7
				1371.8	628.2
PUNT, 1958	T-9889		5769 543.9	1543.9	456.1
				1477.9	522.1
NEAT, 1958	T-9889		5771 727.3	1727.3	272.7
				1357.1	642.9
PEAK 1300, 1958	T-9889		5773 357.5	1357.5	642.5
				530.2	1469.8
PUNT sub.	T-9889		5769 557.6	1557.6	442.4
				1572.9	427.1
SHARP sub.	T-9890		5770 069.9	69.9	1930.1
				1379.6	620.4
NEAT sub.	T-9889		5771 797.6	1797.6	202.4
				1500.3	499.7
AMLIA E. BASE, 1941	T-9895		5773 099.1	1099.1	900.9
				1004.6	995.4
MIL, 1941	T-9895		5773 258.9	1258.9	741.1
				1918.1	81.9
COMPUTED BY G. Amburn	DATE 12-15-58	CHECKED BY F. Wisiecki	DATE 12-15-58	12-15-58	

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9886-95 PROJECT NO. PH-34 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 3048006 meter)	
				FORWARD	(BACK)
BLUE, 1958	T-9892		5767 076.9	1076.9	923.1
				959.5	1040.5
TIP, 1941	T-9895		5772 631.9	631.9	1368.1
				1330.2	669.8
TAN, 1941	T-9895		5770 594.4	594.4	1405.6
				1954.2	45.8
TUND, 1948	T-9886		5780 119.8	119.8	1880.2
				054.8	1945.2
BRAT, 1958	T-9894		5775 191.9	1191.9	808.1
				844.3	1155.7
AMLIA WEST BASE, 1941	T-9895		5772 578.9	578.9	1421.1
				506.5	1493.5
SMOG, 1957	T-9887		5779 542.1	1542.2	1457.8
				555.7	1444.3
IDA, 1941	T-9886		5780 586.0	586.0	1414.0
				1124.6	875.4
ROUND, 1941	T-9886		5781 125.7	1125.7	874.3
				1094.0	906.0
RAIN, 1958	T-9887		5779 428.8	1428.8	571.2
				640.8	1359.2
SAG, 1958	T-9894		5764 111.8	111.8	1888.2
				151.7	1848.3
DONNA, 1958	T-9893		5769 780.0	1780.0	220.0
				779.0	1221.0

COMPUTED BY

G. Amburn

DATE

12-15-58

CHECKED BY

F. Wisiecki

DATE

12-15-58

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COMPILATION REPORT
T-9886 thru T-9895

31. Delineation

Graphic methods were used to compile the shoreline, fore-shore and offshore features. No field inspection was accomplished on Amlia Island. Compilation relied entirely on office interpretation of the photography.

32. Control

Refer to the Photogrammetric Plot Report, a part of this Descriptive Report.

33. Supplemental Data

None

34. Contours and Drainage

Water elevation, corrected from tide data, was used for vertical control. Contours were compiled on the Wild A-7 Autograph stereoplotter. The contour interval is 50 feet with a first 25-foot contour.

35. Shoreline and Alongshore Details

No special problems were encountered in delineating shoreline and alongshore details. This phase was done graphically from the photography without benefit of field inspection. The shoreline is very intricate and is delineated with a broken line where obscured by shadow overhang or surf.

36. Offshore Details

Offshore details were compiled from office interpretation of the photography.

37 and 38.

Not applicable

39. Junctions

All junctions between the subject maps have been made.

2

40. Horizontal and Vertical Accuracy

No deficiencies were noted.

46. Comparison with Existing Maps

None

47. Comparison with Nautical Charts

8862

1:30,000

corrected to 10-15-51.

Items to be Applied to Nautical Charts immediately: None

Items to be Carried Forward: None

Submitted by:

Jeter P. Battley Jr

J. P. Battley, Jr.

48. Geographic Name List

T-9886, T-9887, T-9888

- > Andreanof Islands (title)
- > Amlia Island
- > Bering Sea

> Hungry Bay

> Chalugas Bay

> Cape Idalug

> Pinnacle Rock

T-9889, T-9890, T-9891, T-9892, T-9893

- > Andreanof Islands (title)

> Amlia Island

> Bering Sea

> Pacific Ocean

> Cape Misty

> Haystack Rock

> Hungry Bay

> svietchnikov Harbor

T-9894

- > Andreanof Islands (title)

> Amlia Island

> Bering Sea

> Pacific Ocean

> Sagigik Island

T-9895

- > Andreanof Islands (title)

> Amlia Island

> Agligadak Island

> Agligadak Reefs

> Bering Sea

> Pacific Ocean

> Segum Pass

> Tanadak Island

Jan. 27, 1972

PREPARED BY

Frank W. Rickett

CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright

CHIEF GEOGRAPHER

Review Report T-9886 thru T-9895
Topographic Maps
January 1972

61. General Statement

Graphic compilation of shoreline was completed in 1959 to fulfill hydrographic survey needs. As a result of the dismantling of the last of the two Reading nine-lens plotters in 1965, prior to the beginning of contouring, the entire contouring phase for Amlia Island was done with the Wild A-7 Autograph stereoplotter. This was accomplished by the use of photographic reductions of the nine-lens photographs to accommodate the 9 x 9 inch format of the A-7 plotter.

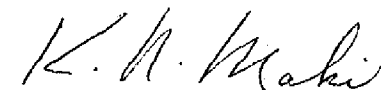
62. through 65. Comparison with Other Surveys

The map manuscripts were 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

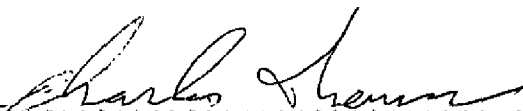
Shoreline and related features, including contours, are considered to be delineated adequately, although field work was limited to photoidentification of horizontal control.

Reviewed by:

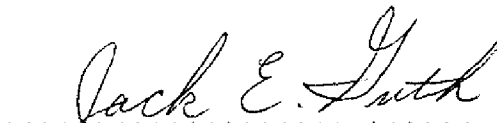


K. N. Maki

Approved by:



Charles Theurer, Chief
Photogrammetric Branch



Jack E. Guth, Chief
Coastal Mapping Division