

11532

Diag. Cht. No. 8862.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No.	Ph-34
Office No.	T-11532
LOCALITY	
State	Alaska (Aleutian Islands)
General locality	Andreanof Islands
Locality	Kasatochi Island
19 53-57	
CHIEF OF PARTY	
E.H.Kirsch, Chief of Field Party	
L.W.Swanson, Div. of Photo. Wash., D. C.	
LIBRARY & ARCHIVES	
DATE	Sept. 10, 1962

USCOMM-DC 5087

11532

DATA RECORD

T-11532

Project No. (II): PH-34

Quadrangle Name (IV):

Field Office (II): Ship "EXPLORER

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Washington D. C.

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): Graphic Compilation

Manuscript Scale (III): 1:20,000 (Approx.) Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): I 1.0

Date received in Washington Office (IV):

APR 8 - 1958

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

11/22/60

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 (S) 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.

L. Levin

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

DATA RECORD

Field Inspection by (II): Ship "EXPLORER"

Date: 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 on photographs taken 21 September 1953

Projection and Grids ruled by (IV): A. Riley

Date: 10-27-55

Projection and Grids checked by (IV): A. Riley

Date: 10-27-55

Control plotted by (III): B. Hale

Date: 11-22-55

Control checked by (III): D. Carrier

Date: 11-23-55

Radial Plot or Stereoscopic
Control-extension by (II):

J. Battley

Date: 4-6-55

Stereoscopic Instrument compilation (II):
Planimetry
Contours

L. Levin

Date:

Aug. 1960

Date:

Manuscript delineated by (III):

J. Battley
G. Amburn

Date: 4-6-55
(ADVANCE) 12-2-57

Photogrammetric Office Review by (III):

Date:

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

Date:

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Camera (kind or source) (III): C. & G.S. 9-Lens

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
41994	9-21-53	1526	1:20,000	2.4 above MLLW
41995	"	"	"	" " "

Tide (III)

Reference Station: Sweeper Cove, Adak I.
Subordinate Station: Bechevin Bay, Atka I.
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	3.7	
0.9	3.3	

Washington Office Review by (IV):

Date:

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:

SUMMARY
To Accompany Topographic Map Manuscript T-11532

Subject survey is one of project PH-34(B). It covers Kasatochi Island, which is one of the chain of Andreanof Islands of the Aleutians in the State of Alaska.

Shoreline and control was compiled graphically at the Washington Office in April 1955 and furnished in support of hydrographic survey 8437. Planimetry was completed in December of 1957 from nine-lens photography of September 1953 and results of field inspection of season 1957. Contours were compiled by the Nine-Lens Stereo Unit in 1960.

The Map Manuscript will be scribed for the reproduction of an acceptable cronar film positive as permanent file copy at the compilation scale of 1:20,000 and along with the Descriptive Report will be registered and filed in the Bureau Archives.

November 1960

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T-11532

For Field Inspection Report see Season's Report 1957
Aleutian Islands, Alaska - (Combined Operations)
E. H. KIRSCH - SHIP EXPLORER

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PHOTOGRAMMETRIC PLOT REPORT

Project PH-34, Survey T-11532
Kasatochi Island
November 1957

21. AREA COVERED

One survey which comprises the small island of Kasatochi Island in the Bering Sea.

22. METHOD

The plot was laid on the vinylite manuscript at 1:20,000 scale which was previously compiled as a "preliminary" survey. It included only two metal-mounted nine-lens photographs at a scale of 1:20,000 taken in 1953.

The templates were prepared conventionally using the master calibration template.

See attached sketch for layout of plot.

23. ADEQUACY OF CONTROL

Four triangulation stations were available for control. Two of these were identified on the photographs by the field party and were held in the plot. The other two stations were only approximately identified by the field party for stereoscopic identification in the office. These latter stations could not be held in the plot by the quantities indicated on the appended sketch. Both stations are unchecked, unmarked peaks which were evidently erroneously observed by the triangulation party. See compilation report item 40

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

Adequate.

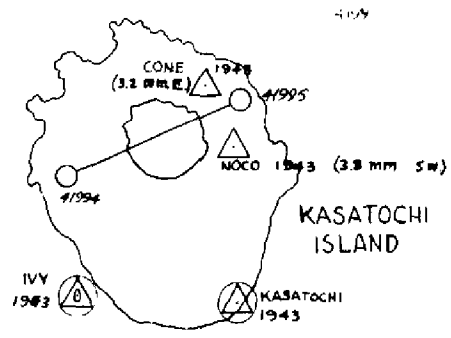
Jeter P. Battley Jr.
Jeter P. Battley Jr.
Cartographer

Approved:

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

175° 26' 52" 16'

PHOTOGRAMMETRIC PLOT SKETCH
PROJECT PH-34
KASATOCHI ISLAND
T-11532



BERING SEA

52° 07'

175° 35'

25'

- PHOTOGRAPH CENTERS
- △ CONTROL STATIONS HELD
- △ CONTROL STATIONS NOT HELD



MAP T- 11532 PROJECT NO. PH-34 SCALE OF MAP 1:20,000 SCALE FACTOR

PROJECT NO. PH-34

SCALE OF MAP 1:20,000

SCALE FACTOR

[illegible]

1 FT. = 3048006 MICRONS

COMPUTED BY: F. Wisiecki

DATE November 1957

CHECKED BY: J. Battley

DATE November 1957

M-2388-12

COMPILATION REPORT

T-11532

31. DELINEATION:

Shoreline and foreshore features were delineated from stereoscopic interpretation and with the aid of 9-lens field-inspected photographs 41994 and 41995 at 1:20,000 scale.

32. CONTROL:

See the attached Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA: None

34. CONTOURS AND DRAINAGE:

The contours and drainage were compiled directly onto the manuscript using rectified nine lens photos on the Reading Nine Lens Plotter. Sea level, only, was used as vertical control.

35. SHORELINE AND ALONGSHORE DETAILS:

Segments of field-inspected beach were omitted because they were too small to delineate.

38. CONTROL FOR FUTURE SURVEYS:

There were eight (8) photo-hydro stations located by the 1957 field party and are listed under item 49.

39. JUNCTIONS: None

40. HORIZONTAL AND VERTICAL ACCURACY:

See the attached Photogrammetric Plot Report.

An office identification of Triang Sta. CONE was made during instrument compilation. This identification "held", verifying the accuracy of the Radial Plot.

46. COMPARISON WITH EXISTING MAPS: None

47. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 9137, scale 1:40,000, first edition 1943,
corrected 11-5-51.

48. GEOGRAPHIC NAME LIST:

Andreanof Island (title)
Kasatochi Island
Bering Sea

Geographic Names Section
1 February 1961

George M. Bell

Garnett S. Amburn
Garnett S. Amburn

APPROVED:

Everett H. Ramey

Everett H. Ramey
Chief, Graphic Compilation Unit

Topographic section of Report

Louis Levin

Louis Levin
Chief Nine Lens Stereo Unit.

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49. NOTES TO THE HYDROGRAPHER:

Stations located on the manuscript by photogrammetric methods from 1957 field inspection data:

Ace
Dan
Eat
Eab
Car
Hut
Fig
Gem

The manuscript was redelineated in November 1957 to incorporate position changes which resulted from a new radial plot for this island. Differences in position between this final manuscript and the preliminary manuscript were as great as 70 meters.

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REVIEW REPORT OF
TOPOGRAPHIC MAP MANUSCRIPT T-11532
November 1960

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this island.

63. Comparison with Maps of Other Agencies:

ATKA, ALASKA 1:250,000 1952 U. S. Geological Survey

In consideration of the difference in scale, there is good agreement between these surveys.

64. Comparison with Contemporary Hydrographic Surveys:

H-8387	1:40,000	1957
H-8437	1:20,000	1957-58

There is no shoreline indicated on H-8387 (area left blank); however, hydrographic information as shown will not disagree with the addition of Kasatochi Island. Shoreline and control of subject survey was furnished for hydrographic survey 8437 and there is complete agreement.

65. Comparison with Nautical Charts:

9137	1:40,000	1951 11/5
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This is a preliminary chart and minor shoreline revisions may be applied to this chart for the next printing from subject survey or H-8437.

66. Adequacy of Results and Future Surveys:

T-11532 has been compiled according to instructions and no deficiencies in accuracy or adequacy are indicated.

Reviewed by:

Josef J. Streifler
Josef J. Streifler

Approved:

L. C. Lande
Chief, Review & Drafting Sec.
Photogrammetry Division

Marvin Paulson
Chief, Nautical Charts Division

J. E. Waugh 9/10/62 *Max Skidell*
Chief, Photogrammetry Division Chief, Operations Branch
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11532

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.