

11552

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-11552
LOCALITY	
State	Alaska
General locality	Andreanof Islands
Locality	Ikiginak & Oglodak Islands
1953	
CHIEF OF PARTY	
L.W.Swanson, Div. of Photo. Wash., D. C.	
LIBRARY & ARCHIVES	
DATE	August 14, 1962

USCOMM-DC 5087

11552

DATA RECORD

T- 11552

Project No. (II): ~~31050~~ (Ph 34) Quadrangle Name (IV): Oglodak Island

Field Office (II):

Chief of Party:

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 (shoreline)

Reading Plotter (topo-
 graphy)

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):

16 Aug 1960

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=

UTM grid, 1000 meter interval, zone 1

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-11552

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

DATA RECORD

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Field Inspection by (II):

Date: None

Planetable contouring by (II):

Date: —

Completion Surveys by (II):

Date: None

Mean High Water Location (III) (State date and method of location): By office interpretation of aerial photographs listed on following page.

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

Date: 10/24/55

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

Date: 10/24/55

Control plotted by (III): B. Hale

Date: 11/21/55

Control checked by (III): D. Carrier

Date: 1/20/56

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

Date: 8/8/56

Stereoscopic Instrument compilation (III):
Planimetry none
Contours C. Misfeldt

Date:

Date: 8/11/58

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

Date: 9/1/56

Photogrammetric Office Review by (III):

L. Levin

Date: 10/28/58

Elevations on Manuscript
checked by (II) (III): W. Heinbaugh

Date: 8/15/58

Camera (kind or source) (III): C & G S nine-lens

Number
42114-6

Date
25 Sept. 1953

PHOTOGRAPHS (III)

Time
13:17

Scale
1:20,000

Stage of Tide
2.7

Tide (III)

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

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

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):

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Ratio of Ranges	Mean Range	Spring Range
	3.7	
0.9	3.3	

Date:

Date:

Date:

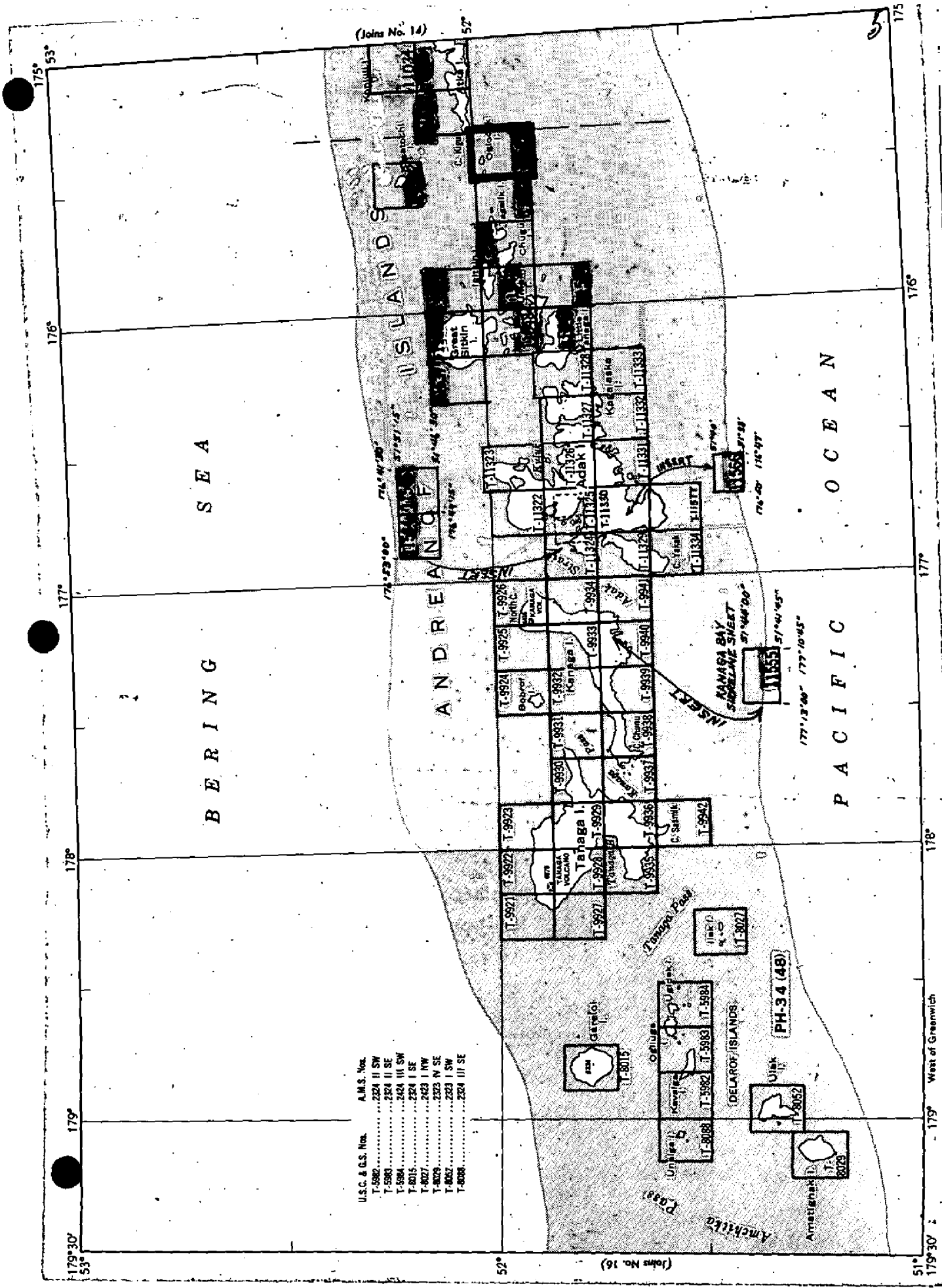
Date:

Recovered:

Recovered:

Identified: 2 (office)

Identified:



U.S.C. & G.S. Nos. A.M.S. Nos.

T-5982	2224 II SW
T-5983	2224 II SE
T-5984	2224 III SW
T-8015	2224 I SE
T-8027	2224 I NW
T-8029	2223 IV SE
T-8032	2223 I SW
T-8038	2224 III SE

(Joins No. 16)

(Joins No. 14)

PH-34 (48)

Amchitka

Pass

Unimak

Kanika

Unimak

Unimak

Unimak

Unimak

Unimak

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SUMMARY
to accompany Topographic Map Manuscript T-11552

Subject survey is one of project PH-34(B) of the Aleutian Islands in the State of Alaska. T-11552 covers the Ikiginak and Oglodak Islands, which belong to the chain of Andreanof Islands.

The shoreline and off-shore detailing was compiled graphically in August and September of 1956 without benefit of field inspection and furnished in support of hydrographic survey in 1957-58. This information remained unchanged and in Sept.-Oct. 1958 contours were added to this compilation by Reading nine-lens plotter. Although this procedure of compilation without field inspection is not common practice, the concurrence of the hydrographic party with this most essential information of shoreline and offshore features - plus a reasonable and good relief presentation warrants the acceptance of the completed map manuscript as adequate.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

June 1960

SCALE FACTOR

For
Photogrammetric
Plat Report
See Report T-11540

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T-11552

GEOGRAPHIC NAMES LIST

Andreanof Islands (Title)

*Atka Pass

*Ikiginak Island

*Oglodak Island

Pacific Ocean

* B.G.N. Decision

George M. Bauer
GEOGRAPHIC NAMES SECTION
21 JUNE 1960

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COMPILATION REPORT T-11552

The shoreline of this manuscript was compiled as "Preliminary" in September 1956 and was revised as "Advance" when the final photogrammetric plots made only minor changes in position.

No field inspection of this area was done during the 1957 season. See Photogrammetric Field Inspection Report (1957) bound with the report of T-11540.

This area was included within two adjacent final plots and their prior preliminary plots. See reports of T-11550 and T-11538 (Preliminary) for the Photogrammetric Plot Report of the western plot, and reports of T-11540 and T-11552 (Preliminary) for the Photogrammetric Plot Report of the eastern plot. No measurable change of position occurred between the final and preliminary plots, nor between the adjacent plots of either.

31. DELINEATION

Graphic methods were used to compile the shoreline and offshore rocks and other features, through office interpretation of nine-lens photographs from September, 1953. Shadows and overhang on the north side of Oglodak Island caused some approximation of the shoreline, but no discrepancies were noticed when contouring was done later on the Reading Nine-Lens Plotter.

32. CONTROL

The intersection stations at the peak of each of the islands were only office identified, but were adequate. Water level, with the published elevations of the two peaks as a check, was adequate vertical control.

33. SUPPLEMENTAL DATA

Single-lens photographs taken on infra-red film (13 Sept. 57 L 1916 through 1920) became available. The ground thereon was snow-covered but shoreline and alongshore detail was well defined. The photographs were used to clarify pinnacle rocks and rocky points and spurs that were obstructed or confused on the nine-lens photographs by shadow and overhang. Some shoreline was altered adjacent to pinnacle rocks but no attempt was made to revise the entire area.

34. CONTOURS AND DRAINAGE

Because the area of the islands is very small the difficulty in obtaining a good rectification with few points and small area, and for economy; the unrectified, metal-mounted photographs were used on the Reading Plotter.

35. SHORELINE AND ALONGSHORE DETAILS

In the absence of field inspection, office interpretation of nine-lens photographs from September 1953 was used to delineate the high waterline and alongshore details. Shadows and overhang on the north side of Oglodak Island caused some approximation of the shoreline, but no discrepancies were noticed when contouring was done later.

36. OFFSHORE DETAILS

Office interpretation of nine-lens photographs from September 1953, was used to delineate rocks and ledges.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

None

40. HORIZONTAL AND VERTICAL ACCURACY

Adequate

46. COMPARISON WITH EXISTING MAPS

T 6937 1:24,422 1934 from aerial photography with T-3 camera
Atka, Alaska 1:250,000 USGS 1951, AMS 1953

47. COMPARISON WITH NAUTICAL CHARTS

8862 1:300,000 Jan 1944 (2nd edition)
Items to be applied to charts immediately : None
Items to be carried forward: None

Approved by:

Louis Levin
Louis Levin, Super. Cartographer
Nine-lens Stereo Mapping Unit

Submitted by:

Clarence Misfeldt
Clarence Misfeldt
Cartographer

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REVIEW REPORT OF
TOPOGRAPHIC MAP MANUSCRIPT T-11552
June 1960

62. Comparison with Registered Topographic Surveys:

T-6937 1:24422.4 1934 (U. S. Navy)

This is one of the Aleutian Islands Survey Expedition sheets of 1934. Subject survey is more completely detailed for intricate shoreline and foreshore information. The contour expression is more accurate also. T-11552 is to supersede previously registered T-6937 of identical land area for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

ATKA, ALASKA 1:250000, 1952 U. S. Geological Survey

Scale difference does not permit a conclusive comparison of these surveys.

64. Comparison with Contemporary Hydrographic Survey:

H-8438 1:20000 1957-58

Shoreline, offshore information and control of subject survey was furnished in support of this hydrographic survey and no conflicting differences were noted.

65. Comparison with Nautical Charts:

9193 1:120000 Revised to 3/21 60

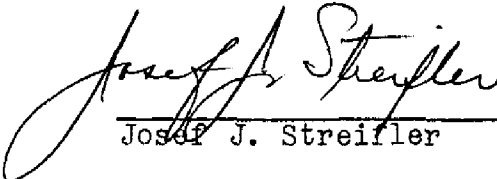
8862 1:300000 Revised to 6/6 60

In consideration of scale differences, there is good agreement between these surveys.

66. Adequacy of Results and Future Surveys:

T-11552 was not field inspected nor field edited and based entirely on office interpretation. However, subsequent hydrographic survey indicates acceptance of shoreline and off-shore information furnished. Instrument contouring shows good adherence to stereoscopic expression of photography. It is therefore concluded, that subject survey is within the limits of adequacy requirements.

Reviewed by:


Josef J. Streifler

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Approved by:

La Rande
Chief, Review & Drafting
Section
Division of Photogrammetry

Marvin Tanton
Chief, Nautical Chart Div.

J.E. Waugh 8/13/62
Chief, Division of
Photogrammetry

Max B. Kelts
Chief, ~~Coastal Surveys~~ Operations
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11552

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.