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Diag. Cht. Nos. 8862 amd 8863-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC Proj. T 11553 Field No. 24050 Office No. T 11554
LOCALITY
State ALASKA
General locality Andreanof Islands
Locality Little Tanaga Is Umak Is. Anagaksik Is.
CHIEF OF PARTY Field - G. A. Nelson Cfice - Div. of Photogrammetry Wash. D
LIBRARY & ARCHIVES

DATE ...

COMM-DC 61300

DATA RECORD

11553 11554

Project No. (II):

24050

Quadrangle Name (IV):

Field Office (II):

Ship Explorer

Chief of Party:

G. A. Nelson

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

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):

Supplemental Instructions

Copy filed in Division of Photogrammetry (IV)

Proj. CS-218, dated 16 Dec 1954 Proj. 1218

dated 10 Nov 1955

Compilation instructions dated 25 Oct 1956

Office Files

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

Reading Nine Lens Plotter (Topography)

Manuscript Scale (III): 1:20,000

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

Scale Factor (III): 1.0

JUL 3 - **1957**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): WDec 1957

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 $(\underline{5})$ 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=

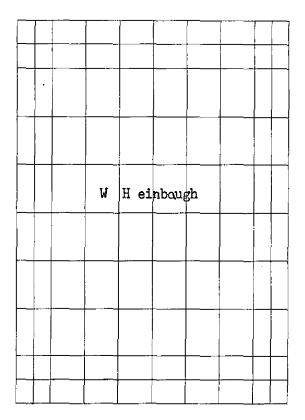
U. T. M. grid, 1000 meter interval, Zone 1.

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,

Form T- Page 1

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): C. W. Clark Date: 1956 Season

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): From 1956 field

Inspection on 1953 photos.

Projection and Grids ruled by (IV): A. Riley Date: 10-28-55

Projection and Grids checked by (IV): A. Riley Date: 10-28-55

Control plotted by (III): B. Hale Date: 11-23-55

Control checked by (III): D. D. Carrier, Jr. Date: 11-22-55

Radial Plot or Stereoscopic S. G. Blankenbaker Date: 2-10-56

Control extension by (III):

Planimetry Date:

Stereoscopic Instrument compilation (III): W. Heinbaugh June 1957
Contours Date:

Manuscript delineated by (III): T-115% (Shoreline)-G. S. Amburn T-1155% (Shoreline)-R. L. Sugden

T-11553 & 11554 Topography - W. Heinbaugh June 1957

Photogrammetric Office Review by (III): L. Levin Date: 6-21-57

•

Elevations on Manuscript Date: 6-21-57

checked by (II) (III): L. Levin

Camera (kind or so	ource) (III): C8GS	9-Lens		-
		PHOTOGRAPHS	(III)	
Number	Date	Time	Scale	Stage of Tide
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Drafting verified for	or reproduction by (IV):			Date:
Proof Edit by (IV):				Date:
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Control Leveling - Miles (II):

Remarks:

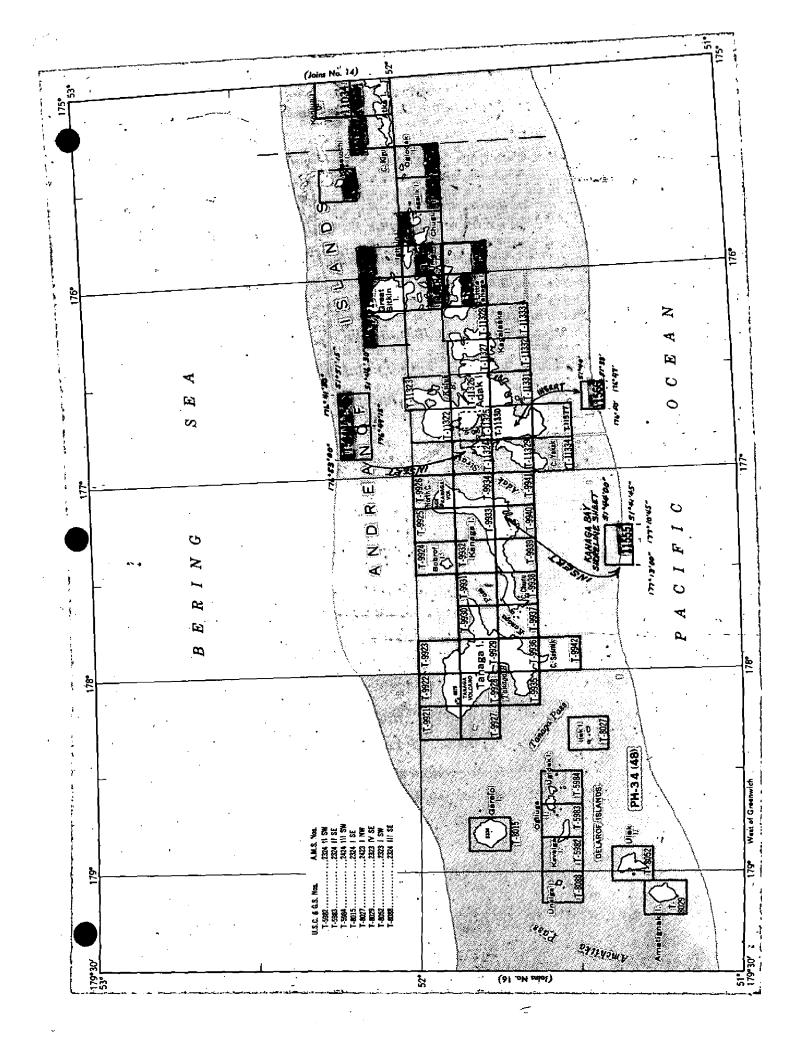
Number of BMs searched for (II):

Number of Triangulation Stations searched for (II):

Number of Recoverable Photo Stations established (III): Number of Temporary Photo Hydro Stations established (III): Identified: Identified:

Recovered:

Recovered:



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COMPILATION REPORT

T 11553 & T 11554

The field inspection report is filed with the descriptive report for T-11328.

The radial plot report is filed with the descriptive report for T-11327.

These manuscripts were compiled as "incomplete" in February 1956. The shoreline was revised after shoreline inspection and additional field inspection in November 1956.

31. Delineation:

Shoreline detail was delineated graphically from stereo models on to vinylite work sheets which were adjusted to the manuscript between common pass points. The contours and drainage were delineated on to the advance shoreline manuscript using the Reading Nine Lens plotters.

32. Control:

See the radial plot report for discussion of horizontal control. Two additional control points, (Bumpy 1956 and Moss 1956), which were identified in 1956 were pricked on the office photos and used to verify the existing plot. No datum shift was noted.

All vertical control points which were located and computed in the field were held while orienting the stereo models on the instrument. Inasmuch as there was a plethora of sea level control several of the unchecked and uncomputed field control was not used.

33. Supplemental Data:

Boat sheets Ex 2256 - b & c.

34. Contours and Drainage:

There are no area s of questionable accuracy.

35 & 36. Shoreline, Alongshorm and Offshore Details:

Due to the large amount of overhang and dense shadow some portions of the shoreline were dashed during graphic compilation. These areas were re-examined during the instrument compilation and where the delineation of the shoreline could be verified it was changed to a solid line.

37. Landmarks and Aids:

None

38. Control for Future Suveys:

No topographic stations were established.

39. Junction:

Junction was made with all adjoining sheets.

40. Horizontal and Vertical Accuracy:

See radial plot report for discussion of horizontal accuracy. See paragraph 32 for discussion of vertical accuracy.

46. Comparison with Existing Maps:

T-6940

47. Comparison with Nautical Charts:

No. 9140 1:30,000 scale corrected to 2/25/52

Items to be Applied to Nautical Charts immediately: none

Items to be Carried Forward: Mone

Submitted by:

Wallace Heinbaugh

Wallace Heinbaug

Cartographer (Photo.)

Approved by:

Louis Levin

Superisory Cartographer

Nine Lens Mapping Unit

GEOGRAPHIC NAMES Survey No. T-11553 Name on Survey	/s	Char. O	C Seign C	D Dept	de la	Mod Mod	G G	Wash H	K K	* /
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Azamis Cove									<u>!</u>	
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Chisak Bay			j				<u> </u>		<u></u>	5 .
Chisak Island]			<u> </u>]		6
Elbow Point	·-··				 		<u> </u>	<u> </u>		7
Little Tanaga Island					<u> </u>				<u></u>	8
Narrows Point			ļ 			ļ <u> </u>		<u></u>	<u> </u>	9
Pacific Ocean										10
Round Cove										11
Scripps Bay							,			12
Umak Island										13
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Cape Azamis				.	<u> </u>					3
Little Tanaga Island										4
Pacific Ocean	<u></u>						· ·			5
Reach Point										6
Umak Island										7
Umak Pass							<u></u>		<u></u>	8
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Review Report of Topographic Maps T-11553 and T-11554 October 1957

62. Comparison with Registered Topographic Surveys:

T-6940 USN 1:40,000 1934

Differences exist between these surveys--generally in the main shoreline, shapes of some islands and the omission of others. The two subject topographic surveys are to supersede T-6940 for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

Adak, Alaska and Atka, Alaska of Alaska Reconnaissance Topographic Series of 1951 and 1952 by the U. S. Geological Survey at scale of 1:250,000.

The considerable difference in scale does not permit a conclusive comparison.

64. Comparison with Contemporary Hydrographic Surveys:

H-8307 1:20,000 1956

Preliminary shoreline of the two topographic surveys was furnished for hydrographic survey H-8307. Changes and additions resulting from subsequent field inspection and final Washington Office review have yet to be applied to the affected hydrographic survey. These corrections do not appear to interfere with the hydrographic information.

65. Comparison with Nautical Charts:

9140 1:30,000 Corrected to 52 2/25 9193 1:120,000 June 1957

There are no major discrepancies, though reprinting of these nautical charts may at the discretion of the Nautical Chart Branch incorporate some or all of these changes.

66. Adequacy of Results and Future Surveys:

Field inspection of shoreline is incomplete and does not include the interior, except for control. However, field inspection appeared adequate. Some detailing as accomplished by office interpretation only may be subject to error and indicate the only cause of deficiencies in accuracy and adequacy.

Reviewed by:

Approved:

Chief, Review & Drafting Sec.

Photogrammetry Division

Chief, Nautical Chart Branch Charts Division

Chief, Photogrammetry Div. 20 march 1958

Chief, Coastal Surveys

Summary To Accompany Topographic Maps T-11553 and T-11554

The two subject topographic surveys cover the area from Cape Chisak of Little Tanaga Island eastward to Anagaksik Island. It is part of the Andreanof Islands chain of the Aleutians in Alaska.

Compiled originally as preliminary shoreline surveys in 1955 from 1953 nine-lens photography in support of the hydrographic party, they were revised in 1956 after 1956 season field inspection. In 1957 the two surveys were completed on the Reading Nine-lens Plotter as topographic maps.

They will be published by the Army Map Service as standard topographic quadrangles at scale of 1:25,000 with the addition of hydrographic information.

A "Cronar" film positive at manuscript scale of 1:20,000 and the descriptive report as well as a cloth-backed printed copy in colors after final printing by AMS, will be registered and filed in the Bureau Archives.

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 11553

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5-20-60	9141	L.V.E.	Before After Verification and Review
6-9-61	9140	R.E. Elkins E Thomas	Completely applied except for contests of plus applied as mall part applied thru the 9141 drg?
2/14/64	9/93	E. Thomas	Before After Verification and Review Completely applied
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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.

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 11554

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11-17-58	Reconstr. 8863	J.T.W.	Before After Verification and Review
		211:	Completelatopphed except for contours Illia
6-9-61	9140	R.E.Elkins	Lompletelest applied except for Egitous applied revised shareline and elevations.
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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.