

11553

11554

Diag. Cht. Nos. 8862 and 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.

19 ~~53-56~~ 1953-56

## CHIEF OF PARTY

Field - G. A. Nelson  
Office - Div. of Photogrammetry Wash. DC

## LIBRARY &amp; ARCHIVES

DATE APR 15 1958

COMM-DC 61300

# DATA RECORD

T 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

Office Files

Compilation instructions dated 25 Oct 1956

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): 11 Dec 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 (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=

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.



# 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 Control extension by (III): S. G. Blankenbaker

Date: 2-10-56

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours W. Heinbaugh

Date:

Date: June 1957

Manuscript delineated by (III): T-11554 (Shoreline)-G. S. Amburn  
T-11553 (Shoreline)-R. L. Sugden

Date: Nov 1956

T-11553 & 11554 Topography - W. Heinbaugh

June 1957

Photogrammetric Office Review by (III): L. Levin

Date: 6-21-57

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

Date: 6-21-57



Camera (kind or source) (III): C8GS 9-Lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41914	9/21/53	1:47	1:20,000	2.7 above MLLW
41915	"	1:47	"	2.7 " "
41916	"	1:48	"	2.7 " "
42199	9/25/53	3:28	"	3.7 " "
42130	9/25/53	2:08	"	3.4 " "
42131	"	2:09	"	3.4 " "
42132	"	2:10	"	3.4 " "
42127	"	2:05	"	3.4 " "
42128	"	2:06	"	3.4 " "
42201	"	3:30	"	3.7 " "

Tide (III)

Reference Station: Sweeper Cove.  
Subordinate Station: ~~CH 13AK~~ Bay  
Subordinate Station: CH13AK

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:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		3.7
0.9		3.3

Date: Oct. 57

Date:

Date:

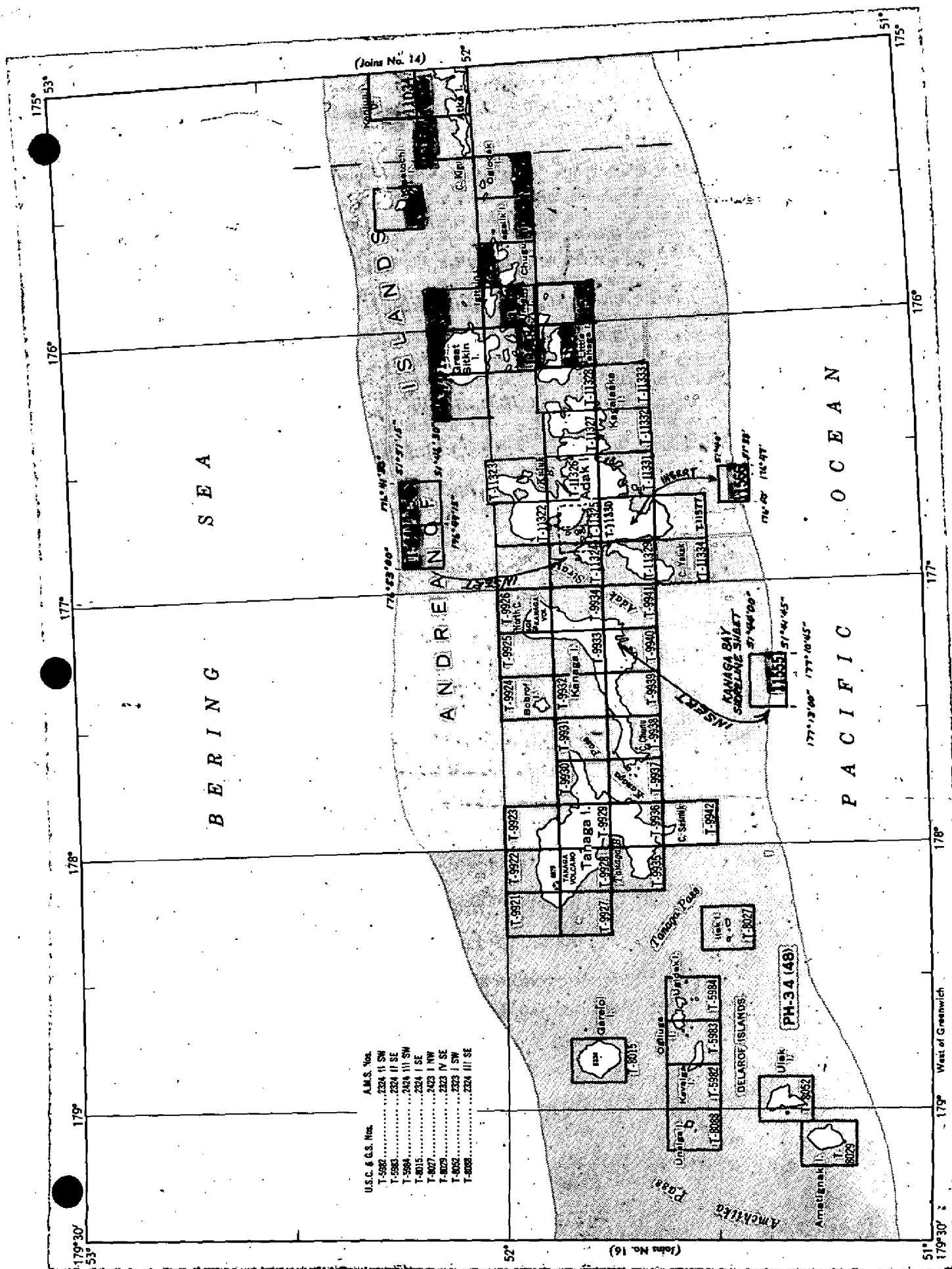
Date:

Recovered:

Identified:

Recovered:

Identified:









MAP T-7-11553 PROJECT NO. 24050 SCALE OF MAP 1:10000 SCALE FACTOR

MAP T-7-11553

PROJECT NO. 24050

SCALE OF MAP 1:10000

SCALE FACTOR:

[illegible]

1 FT. = 3048006 METERS

COMPUTED BY: G. Amburn

DATE 11/1/56

CHECKED BY: R. Sugden

DATE 11/1/56

M-2388-12



## 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 <sup>were</sup> ~~was~~ not used.

### 33. Supplemental Data:

Boat sheets Ex 2256 - b & c.

### 34. Contours and Drainage:

There are no areas of questionable accuracy.

### 35 & 36. Shoreline, Alongshore 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: none

Submitted by:

Wallace Heinbaugh

Wallace Heinbaugh  
Cartographer (Photo.)

Approved by:

Louis Levin

Louis Levin  
Superisory Cartographer  
Nine Lens Mapping Unit

# GEOGRAPHIC NAMES

Survey No.

T-11553

Name on Survey

	A	B	C	D	E	F	G	H	K	
Agony Point										1
Azamis Cove										2
Cape Azamis										3
Cape Chisak										4
Chisak Bay										5
Chisak Island										6
Elbow Point										7
Little Tanaga Island										8
Narrows Point										9
Pacific Ocean										10
Round Cove										11
Scripps Bay										12
Umak Island										13
Umak Pass										14
<u>Cape Umak</u>										15
										16
										17
										18
For title:										19
Alaska										20
Andreanof Islands										21
										22
										23
										24
										25
										26
										27



# GEOGRAPHIC NAMES

Survey No.

T-11554

Name on Survey

	A	B	C	D	E	F	G	H	K	
Anagaksik Island										1
Cape Agumsadak										2
Cape Azamis										3
Little Tanaga Island										4
Pacific Ocean										5
Reach Point										6
Umak Island										7
Umak Pass										8
										9
										10
For title:										11
Alaska										12
Andreanof Islands										13
										14
										15
										16
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										25
										26
										27

Names approved  
8-13-57. L. Heck

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:

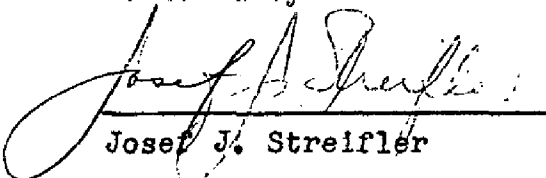
9140	1:30,000	Corrected to 52 2/25
9193	1:120,000	June 1957

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:

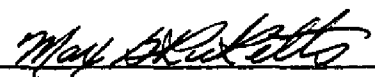
Field inspection of shoreline is incomplete and does not include the interior, except for control. However, field inspection appeared adequate. Some detailing as accomplished by office interpretation only may be subject to error and indicate the only cause of deficiencies in accuracy and adequacy.


Reviewed by:

  
Josef J. Streifler

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

[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.



## NAUTICAL CHARTS BRANCH

SURVEY NO. T. 11554

### 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.