

11548 11549

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Diag. Cht. No. 8863-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No. Ph-34	Office No. T-11548 T-11549
LOCALITY	
State Alaska	
General locality Andreanof Islands	
Locality Aziak to Chugul Islands	
1953-56	
CHIEF OF PARTY G.A.Nelson, Chief of Field Party L.W.Swanson, Div. of Photo. Wash., D.C.	
LIBRARY & ARCHIVES	
DATE July 26, 1962	

USCOMM-DC 5087

DATA RECORD

T- 11548
T- 11549

Project No. (II): *PH 34*
~~21050~~

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):

Field: 25 Feb. 1954, 16 Dec. 1954
Office: 2 Nov. 1954
31 Oct. 1954
25 Oct. 1956

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): **Shoreline-graphic; Topography - Reading Plotters**

Manuscript Scale (III): **1:20,000**

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV): *6/11/57* 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): **NA1927**

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): **UTM**

State: **Alaska**

Zone: **1**

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.

W. Heinbaugh

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 aerial photos listed on following page and 1956 Field Inspection.

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

Date: 4-14-55

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

Date: 4-14-55

Control plotted by (III): B. Hale

Date: 11-5-55
11-23-55

Control checked by (III): G. A. Walker, Jr.

Date: 1-12-56

Radial Plot or Stereoscopic S. G. Blankenbaker
Control extension by (III):

Date: 2-10-56

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

Date:
Date: 6-17-56

Manuscript delineated by (III): T-11548 Shoreline - R. Sugden
T-11549 " - G. Amburn
Topography - W. Heinbaugh

Date: 12-13-56
12-17-56
6-18-57

Photogrammetric Office Review by (III): Shoreline - J. Battley
Topography- L. Levin

Date: 12-19-56
7-9-57

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

Date: 7-8-57

Camera (kind or source) (III):

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
41917, 18	9/21/53	1:49	1:20,000	2.6 above MLLW
41932	"	2:02	"	2.6 " "
41934-938	"	2:05	"	2.6 " "
41978, 979	"	2:49	"	2.3 " "
41991, 992	"	3:15	"	2.2 " "
42108	9/25/53	1:12	"	3.3 " "
42202	"	3:30	"	3.7 " "
46054	9/6/54	2:41	"	2.7 " "

Tide (III)

Reference Station: Sweeper Cove
Subordinate Station: Sand Bay, Great Sitkin
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:

* See field inspection report

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		3.7
1.0		3.7

Date: Oct. 57

Date:

Date:

Date:

Recovered:

Recovered:

Identified:

Identified:

Plotted 12/5/55 Hale

Photogrammetry

MAP T. 11549

PROJECT NO. PH 6034

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
-IGIT KIM 1934 (USN)	V158		51 59 09.375 ✓	1954.5			289.8 ✓	1564.7 ✓	✓
			175 57 31.285 ✓	1145.0			597.0 ✓	548.0 ✓	✓
-COVE 1943	V165		51 58 38.457 ✓	1854.5			1188.6 ✓	665.9 ✓	✓
			175 50 58.426 ✓	1145.2			1115.2 ✓	30.0 ✓	✓
-EGO (USN) 1934 #15	V158	7	51 58 22.203 ✓	1854.5			686.3 ✓	1168.2 ✓	✓
			175 56 32.477 ✓	1145.3			620.0 ✓	525.3 ✓	✓
-PASS 1943	V165	?	51 57 51.323 ✓	1854.5			1586.3 ✓	268.2 ✓	✓
			175 52 47.400 ✓	1145.4			905.2 ✓	240.3 ✓	✓
-SHELTER 1943	V165		51 58 08.521 ✓	1854.5			263.4 ✓	1591.1 ✓	✓
			175 52 17.347 ✓	1145.4			331.2 ✓	814.2 ✓	✓
-CHUGUL (1943) (USN) 145	✓ 158		51 56 42.724 ✓	1854.5			1320.5 ✓	524.0 ✓	✓
			175 52 14.996 ✓	1146.0			286.4 ✓	859.6 ✓	✓
Sub Station EGO (USN) 1934			51 58	1854.5			672.5	1182.0	
			175 56	1145.3			616.5	528.8	
-Sub Station A CHUGUL (USN) 1934			51 56	1854.5			1226.3	266.5	
			175 52	1146.0			2466.5	276.3	
Moss Pt., 1956 Field Comp.			51 53 43.863	1355.5	(498.9)				
			175 57 12.942	244.6	(899.8)				
Moss Pt 1956 Sub Sta #1			51 53	1353.1 ✓	(501.3)	1854.4 ✓			
			175 57	208.5 ✓	(938.8)	1147.3 ✓			
Moss Pt 1956 Sub Sta #2			51 53	1354.5 ✓	(499.9)	1854.4 ✓			
			175 57	261.5 ✓	(885.8)	1147.3 ✓			
RUIN 1956			51 54 44.761	1883.5	(471.0)	1854.4			
			175 59 11.830	225.7	(921.2)	1146.9			

1 FT. = 3048006 METER COMPUTED BY: <u>Hale</u>	DATE: <u>11/23/55</u>	CHECKED BY: <u>CRD</u>	DATE: <u>23 Nov. 55</u>
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M. 2388.12

MAP T. 11549 PROJECT NO. Ph-34 SCALE OF MAP 1:20,000 SCALE FACTOR

MAP T. 11549 PROJECT NO. Ph-34 SCALE OF MAP 1:20,000 SCALE FACTOR

MAP T. 11549 PROJECT NO. Ph-34 SCALE OF MAP 1:20,000 SCALE FACTOR

[illegible]

1 FT. = 3048006 METER
COMPUTED BY C.O. DeMarr
DATE April 1, 1955
CHECKED BY: S. G. BLANKENBAKER
DATE MAY 3 1955
M. 2388-12

Compilation Report

T-11548 and T-11549

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-11537.

These manuscripts were first compiled as "incomplete" (Feb. 1956) and were revised ~~as~~ after 1956 field inspection.

31. Delineation: The shoreline and forshore features were delineated graphically. The contours, drainage and interior details were delineated on the Reading Nine Lens Plotters directly onto the "advance" shoreline manuscripts. Inasmuch as there was no interior field inspection, all of the cultural detail was delineated by office interpretation. Roads which appeared to be graded and/or paved were shown with a double full line. The remainder were shown with a double dashed line.

32. Control: See the radial plot report for a discussion of horizontal control. Two additional triangulation stations were field identified in 1956 (BEE, 1934- T-11548 and MOSS PT, 1956 - T-11549). These stations were used to check the radial plot. No datum shift was noted. The vertical control was adequate. All vertical control points furnished by the field party "held" in the stereo models. Several vertical control points which were established by the field party, but not computed, were not used because of the plethora of sea level control.

33. Supplemental Data: Boat sheets Ex 2256 A, B & C. These were used for comparison only.

34. Contours and Drainage: There are no areas of questionable accuracy.

35. & 36. Shoreline, Alongshore and Offshore Detail: The photographic coverage (except for shadow areas) of the shoreline was good. Shoreline inspection was adequate.

37. Landmarks and Aids: Asuksak Island Light falls on T-11548 and is recorded on Form 567, copy attached. There are no landmarks or aids on T-11549.

38. Control for Future Surveys: The light mentioned above has also been submitted as a topo station.

39. Junctions: Junction was made with all contemporary surveys as shown on the location diagram.

40. Horizontal and Vertical Accuracy: See paragraphs 32 & 34.

46. Comparison with Existing Maps: T-6939, T-6940, H-8306, H-6918, T-7035, and T-10001.

47. Comparison with Nautical Charts: 9139 - 1:30,000 corrected to 1952.

Items to be Applied to Naut. Charts Immediately - none

Items to be Carried Forward - none

Submitted by:

Wallace Heinbaugh
Wallace Heinbaugh
Cartographer (Photo.)

Approved by:

Louis Levin
Supervisory Cartographer
Nine Len Stereomapping Unit

GEOGRAPHIC NAMES

Survey No.

T - 11548

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Andreanof Islands									1
Asuksak Island									2
Asuksak Pass									3
Aziak Island									4
Box Island									5
Cape Chikik									6
Great Sitkin Island									7
Great Sitkin Pass									8
Kanu Island									9
Little Fox Creek									10
Passage Point									11
Pin Rock									12
Rip Point									13
Tanaklak Island									14
Umak Bight									15
Umak Island									16
Zaliva Point									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

GEOGRAPHIC NAMES

Survey No.

T - 11549

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Andreanof Islands										1
Asuksak Pass										2
Cape Ruin										3
Chugul Island										4
Chugul Pass										5
Igitkin Bank										6
Igitkin Bight										7
Igitkin Island										8
Igitkin Pass										9
Igitkin Point										10
Moss Point										11
Shelter Cove										12
Tagadak Island										13
Tanager Point										14
Umak Bight										15
Umak Island										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Review Report of
Topographic Maps T-11548 and T-11549
September 1957

62. Comparison with Registered Topographic Surveys:

T-6938	USN	1:244,22.4	1934
T-6939	USN	1:244,22.4	1934
T-6940	USN	1:40,000	1934
T-7035b		1:5000	1946
T-10001		1:20,000	1943

Cultural development of the south portion of Great Sitkin Island in recent years represent the only major differences. In consideration of datum differences there is, generally, good agreement among these surveys. T-11548 and T-11549 are more completely detailed topographic surveys with adequate control and supercede above listed surveys 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. Scale difference does not permit a conclusive comparison.

64. Comparison with Contemporary Hydrographic Surveys:

H-8306	1:20,000	1956
H-8307	1:20,000	1956

Preliminary shoreline was furnished for these hydrographic surveys from the subject topographic compilations. Limited changes and additions resulting from field inspection and final Washington Office Review need be applied to H-8307. None of these corrections appear to conflict with the hydrographic information shown.

65. Comparison with Nautical Charts:

9139	1:30,000	Corrected to 52 6/2
9193	1:120,000	June 1957

The nautical charts do not include recent changes of the southern end of Great Sitkin Island. There are no other major discrepancies.


66. Adequacy of Results and Future Surveys:

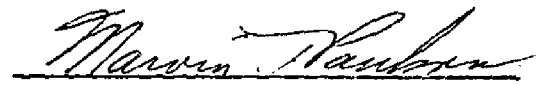
Field inspection of shoreline and foreshore is incomplete, however, apparently adequate. Roads, buildings and other interior features were not field inspected. Such detailing by office interpretation only may be subject to error. Not all field inspection photographs were available during final review. Other than these no deficiencies in accuracy and adequacy were indicated.

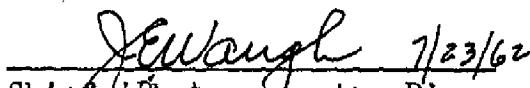
Reviewed by:

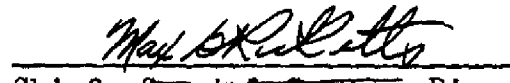

Josef J. Streifler

Approved:


Chief, Review & Drafting Sec.
Photogrammetry Division


Chief, Nautical Chart ~~Branch~~
~~Charts Branch~~ Division

 7/23/62
Chief, Photogrammetry Div.


Chief, Coastal Surveys Div.
Operations

Summary
To Accompany Topographic Maps
T-11548 and T-11549

T-11548 and T-11549 cover several of the group of Andreanof Islands in the vicinity of Great Sitkin Island of the Aleutian Islands, Alaska.

Shoreline, foreshore and offshore were compiled graphically in 1955 from 1953 and 1954 nine-lens photos and furnished as preliminary manuscripts for hydrographic surveys. In 1957 the subject compilations were completed by the Reading Plotter.

The maps will be published by the Army Map Service as standard topographic quadrangles at the scale of 1:25000 with the addition of hydrographic information.

A "Cronar" film positive at manuscript scale of 1:20000 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.

