11328

Diag. Cht . N^{O}. 8863-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-34(48) *Office No.* T-11328

LOCALITY

State Alaska, Aleutian Islands

General locality Andreanof Islands

Locality Little Tanaga Strait

1953-56

CHIEF OF PARTY

S.B.Grenell, Chief of Field Party
G.A.Nelson, Chief of Field Party
~~L.W.Swanson, Div. of Photo. Wash.,D.C.~~

LIBRARY & ARCHIVES

DATE June 19, 1958

11328

8-1870-1 (1)

Partly applied to chart 9141 – to be considered as final application until chart is reconstructed –
5/24/60
WE

DATA RECORD

T- 11328

Project No. (II): 24050 Quadrangle Name (IV):

Field Office (II): Ship EXPLORER 1955 1956 Chief of Party: S. B. Grenell 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 November 1954 31 October 1955 25 October 1956 Copy filed in Division of Photogrammetry (IV)

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

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

Scale Factor (III):

Date received in Washington Office (IV): MAY 16 1957 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 5 Dec 1957

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA 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

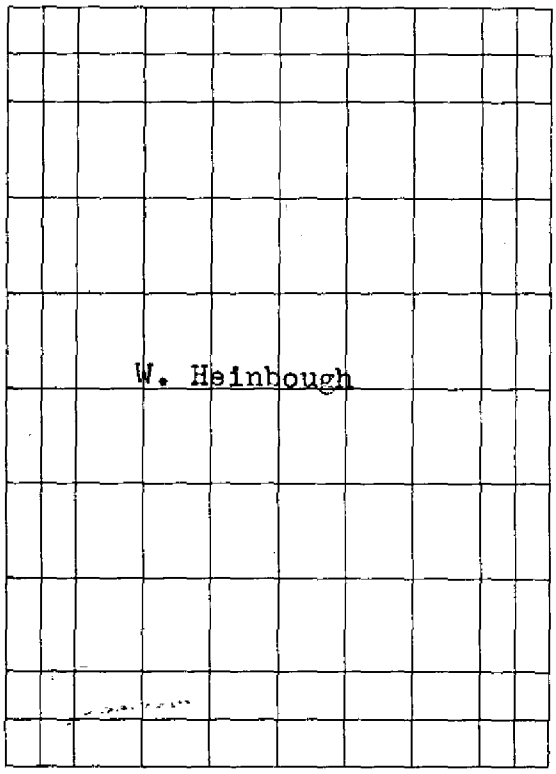
Plane Coordinates (IV): UTM State: Zone: 1

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): S. L. Hollis
C. W. Clark
Date: 1955 Season
1956 Season

Planetable contouring by (II):
Date:

Completion Surveys by (II):
Date:

Mean High Water Location (III) (State date and method of location):
Same as photography - partially identified in field

Projection and Grids ruled by (IV): A. Riley
Date: 21 Nov. 55

Projection and Grids checked by (IV): A. Riley
Date: 21 Nov. 55

Control plotted by (III): W. Byron Hale, G. Walker
Date: Nov and Dec. 55

Control checked by (III): K.N. Maki
Date: 18 Nov. 55

Radial Plot or Stereoscopic Control extension by (III): S. G. Blankenbaker
Date: 18 Nov. 55

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

Contours
Date: April 1957

Manuscript delineated by (III): Shoreline - W. Taylor
Topography - W. Heinbaugh
Date: Oct. 1956
Date: April 1957

Photogrammetric Office Review by (III): L. Levin
Date: 22 April 1957

[redacted]

Elevations on Manuscript checked by (II) (III): L. Levin
Date: 22 April 1957

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41911-913	9/21/53	1:45	1:20,000	2.7 above MLLW
42133,134	9/25/53	2:10	1:20,000	3.3 above MLLW
42159-162	9/25/53	2:40	1:20,000	3.4 above MLLW
42196	9/25/53	3:18	1:20,000	3.6 above MLLW

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
		3.7

Reference Station: Sweeper Cove
Subordinate Station: same
Subordinate Station:

Washington Office Review by (IV): J.J. Streifler Date: Oct. 57

Final Drafting by (IV): Althea Boldin Date: 9-8-60

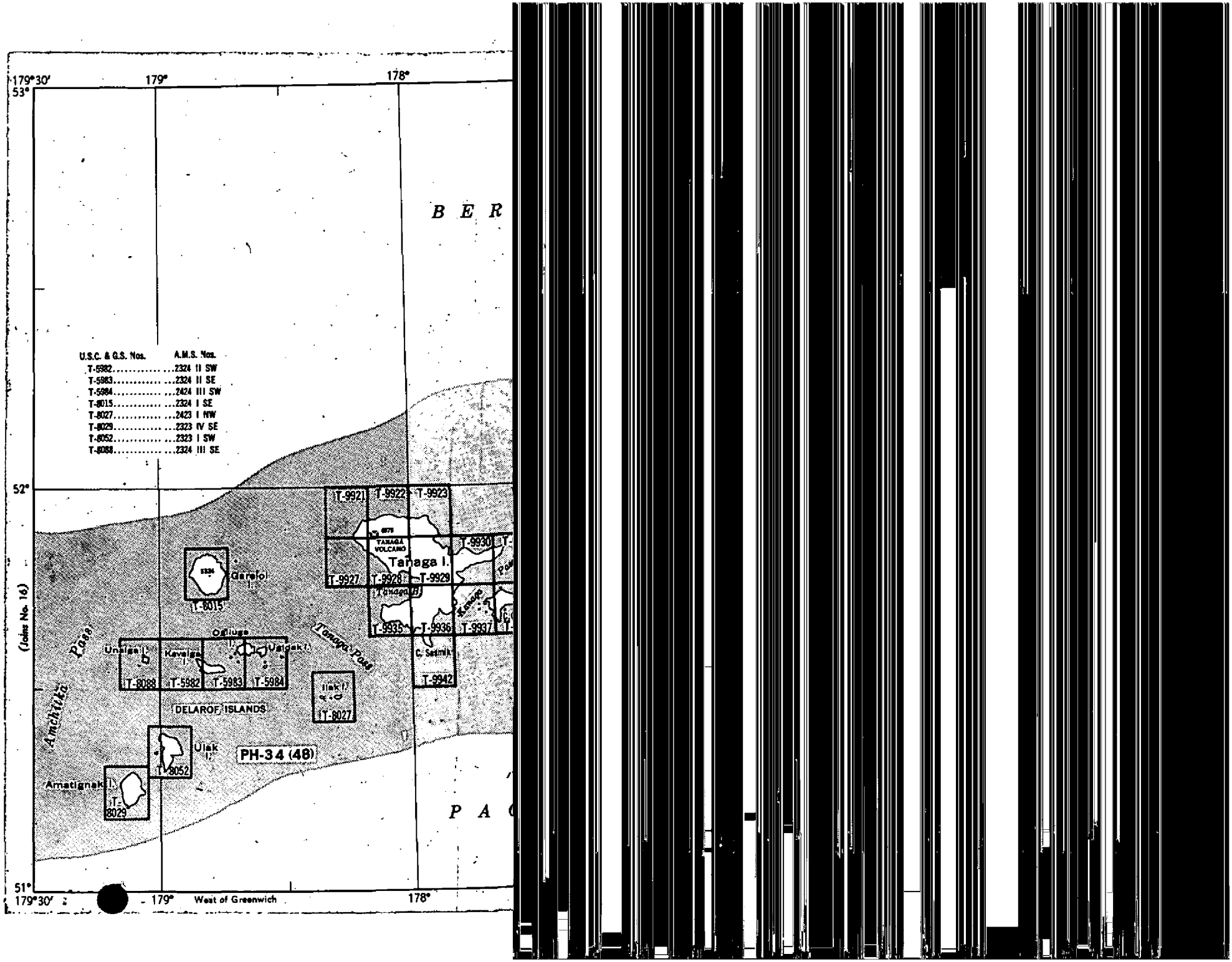
Drafting verified for reproduction by (IV): W.O. Hallum Date: 11-28-60

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:

M-2618-12(4)


179°30'
179°
178°
53°
52°
51°
B E R
P A
U.S.C. & G.S. Nos. A.M.S. Nos.
T-5982 ... 2324 II SW
T-5983 ... 2324 II SE
T-5984 ... 2424 III SW
T-8015 ... 2324 I SE
T-8027 ... 2423 I NW
T-8029 ... 2323 IV SE
T-8052 ... 2323 I SW
T-8088 ... 2324 III SE
T-9921
T-9922
T-9923
T-9927
T-9928
T-9929
T-9930
T-9935
T-9936
T-9937
T-9942
TANAGA VOLCANO
Tanaga I.
Tanaga Pass
C. Sedmik
Gareloi
T-8015
Ogliuga
Unalga I.
Kavalga
Ulalga I.
T-8088
T-5982
T-5983
T-5984
Amchitka Pass
DELAROF ISLANDS
Ilak I.
T-8027
Ulak
PH-34 (48)
T-8052
Amatignak I.
T-8029
(Johns No. 16)
West of Greenwich

Photogrammetric Plot Report

T-11328

The radial plot report is filed with the descriptive report for T-11326

*See report on T-11327 for many of these stations

MAP T-11328 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

Photogrammetry

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
✓			51-52-21.256			657.0 (1197.4)	
LALA, 1946	V 282	1927	176-18-37.548			718.4 (429.5)	
LITTLE TANAGA (USN) ✓			51-52-55.735			1722.6 (131.8)	
1934	V 159	"	176-12-04.817			92.1 (1055.5)	
✓	819		51-51-41.500			1282.6 (571.8)	
DYE (USN) 1934	V ~~159~~	"	176-16-43.464			831.8 (316.4)	
✓	819		51-51-58.640			1812.4 (42.0)	
ICE (USN) 1934	V ~~159~~	"	176-13-20.892			399.7 (748.4)	
Elev. 158 ft. ✓			51-48-54.951			1698.4 (156.0)	
REM (USN) 1934 *	V 818	"	176-14-29.884			572.5 (576.9)	
Sub. Pt. ✓			51-48			1701.3 (153.1)	
REM (USN) 1934 *			176-14			583.6 (565.8)	
GUL (USN)			51-46-47.833			1478.4 (376.0)	
1934 ✓ *	V 818	1927	176-15-35.085			672.6 (477.7)	
Sub. Pt. ✓			51-46			1478.4 (376.0)	
GUL (USN) 1934 *		"	176-15			681.0 (469.3)	
Elev. 88 ft. ✓			51-49-06.982			215.8 (1638.6)	
TEL (USN) 1934 *	819	"	176-15-57.343			1098.4 (50.9)	
Elev. 1155 ft. ✓			51-46-41.457			1281.3 (573.1)	
CLIFF, 1953 *	V 818	"	176-17-00.459			8.8 (1141.5)	
Elev. 1559 ft.			51-45-48.081			1486.0 (368.4)	
CLIMB, 1953 *	V 818	"	176-18-35.241			675.9 (474.8)	
Elev. 33 ft. ✓			51-46-29.120			900.0 (954.4)	
LIPON, 1953 *	V 819	"	176-16-26.094			500.3 (650.1)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: C. O. DeMarr DATE 10 January 1955 CHECKED BY: J. E. Hundley DATE 12 January 1955

 *See report on T-11327 for many of these stations

MAP T-11328 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Elev. 406 ft.			51-47-53.812				1663.2	(191.2)		
PARTY, 1953 *	V 818	1927	176-16-22.953				439.8	(710.0)		
Elev. 25 ft.			51-45-13.961				431.5	(1422.9)	215.8	711.5
HAMAN, 1953 *	"	"	176-19-03.847				73.8	(1077.1)	36.9	538.6
Sub. Pt.			51-45				435.9	(1418.5)		
HAMAN, 1953 *			176-19				98.0	(1052.9)		
Elev. 272 ft.			51-45-52.427				1620.3	(234.1)		
GONEF, 1953 *	V 819	1927	176-17-29.289				561.7	(589.0)		
Sub. Pt.			51-45				1620.6	(233.8)		
GONEF, 1953 *		"	176-17				569.2	(581.5)		
Elev. 26 ft.			51-45-05.214				161.1	(1693.3)		
QUAIL, 1953 *	V 819	"	176-17-57.278				1098.8	(52.2)		
Sub. Pt.			51-45				195.4	(1659.0)		
QUAIL, 1953 *	V 819	"	176-17				1135.5	(15.5)		
COM. (USN)			51-52-56.170				1736.0	(118.4)		
1934	V 160	"	176-10-14.840				283.8	(863.8)		
BAT (USN)			51-51-31.211	East of Survey			964.6	(889.8)		
1934	V 160	"	176-08-07.482				143.2	(1005.1)		
			51-50-57.85				1788.0	(66.4)		
SCRIP, 1943	V 160	"	176-06-47.09				901.4	(247.1)		
Elev. 7 ft.			51-48-46.57				1439.3	(415.1)		
FOUL, 1953	V 820	"	176-15-22.37				428.6	(720.9)		

1 FT. = .3048006 METER

M-2388.12

COMPUTED BY: C. O. DeMarr DATE 10 January 1955 CHECKED BY: J. E. Hundley DATE 12 January 1955

Photogrammetry

MAP T- 11328 PROJECT NO. PH. 6034 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
PETER 1956			51° 47 49.515	1530.3 (324.1)			
			175 10 01.125	21.6 (1128.2)			
PIPER 1956			51 48 21.215	655.6 (1198.8)			
			176 10 04.211	80.5 (1069.1)			

1 FT. = .3048006 METER

COMPUTED BY: W. Taylor DATE Oct 1956 CHECKED BY: E. Rainey DATE Oct 1956

M-2388.12

FIELD INSPECTION REPORT
for
Maps T-11537 thru T-11539 (part of each)
T-11548 thru T-11551
T-11328 (part), T-11553, T-11554

2. AREAL FIELD INSPECTION

This report covers the area of 1956 field work and includes some 1953 and 1955 field work to complete the area.

These maps cover a group of relatively small islands in the Andreanof group. Great Sitkin Island is the largest and highest of the group, but all the islands are relatively high and rugged.

The highest peak on Great Sitkin Island is the most prominent feature in the area. Other islands are all similar in appearance with no outstanding features. Perhaps the most distinctive feature is Cape Azamis with high, steep cliffs, sharp peaks and knife-edge ridges. This cape is similar in appearance to Ragged Point on Kagalaska Island.

The southerly side of the southerly islands is mostly high, steep rocky cliffs. Elsewhere grass covered bluffs rise steeply above rocky shoreline. There are sand or gravel beaches at the heads of most of the bays with low, flat valleys back of the beaches. Low, nearly flat terrain extends entirely across the narrow necks between Chisak Bay and Scripps Bay on Little Tanaga Island and between Shelter Cove and Igitkin Cove on Igitkin Island.

There is an active volcano on Great Sitkin Island with the crater on the west side of the highest peak of the island. The volcano appears to be smoking or steaming most of the time.

There is a Navy fueling station at Sand Bay, Great Sitkin Island. Elsewhere on the islands are several trappers cabins, all of which are unoccupied. Cabins are labeled on the photographs.

One Aleut village site was noted on Igitkin Island and labeled on a photograph. There may be others in the area not seen during field inspection. This and other village sites in the Andreanof Islands are sites of former Aleut villages. On some recent charts some of these sites are labeled "Aleut Village." There are no known Aleut villages in the Andreanof Islands west of Atka village on Atka Island.

There is good photo coverage of the area with nine-lens photographs. Quality of photographs is good to poor. In some areas, as may be expected, deep shadows obscure all detail and some photographs in shadowed areas are useless. In many areas not in shadow, shoreline details on most of the photographs are not clear.

No additional photography available during review 1956.

Low, bare rocks; rocks awash; ledges and reefs are not visible on many of the photographs and often can be distinguished only by breakers or surf around them. In areas of smooth seas some rocks cannot be seen on the photographs. It is thought that all rocks, including rocks awash and some submerged rocks, should be visible on 1:20,000 scale photographs. It is not understood why such detail is not clear on the photographs available for this project. Rocks not visible on photographs can, of course, be located by other methods. Time, weather and sea conditions do not permit more than a bare minimum of such supplemental location and it is limited to the more important features. Identification of control and photo-hydro stations are extremely difficult on many of the photographs.

The net result of poor quality photographs may be adequate for charting purposes for this area. However, the result is less accuracy and less detail than should be available with 1:20,000 scale photographs.

All field inspection is sub-standard in some respects.

3. HORIZONTAL CONTROL

(a) The following horizontal control stations were established by third-order triangulation:

PETER, 1956	BUMPY, 1956
PIPER, 1956	GUSTY, 1956
CHISAK, 1956	RUIN, 1956
ELBOW, 1956	MOSS PT., 1956
Chugul Island Light, 1956	FEN, 1956

The approximate positions of all 1956 stations are shown in red on the manuscripts.

The following horizontal control stations were located by fourth-order theodolite observations:

PRY	GUM

There are sufficient theodolite cuts on other photo-hydro stations in Umak Pass and Igitkin Pass to compute geographic positions of some stations. These can be used for horizontal control if desired.

Some hydro signals on H-6918 (1943) were recovered and identified as photo-hydro stations. Planetable positions may be available for these stations and if so some of them may be useful for horizontal control.

(b) All horizontal control is computed on the N.A. 1927 datum and no datum adjustments are necessary. If 1943 stations on H-6918

(c) Horizontal control was established by the Coast and Geodetic Survey and U.S. Navy. All control is published by the Coast and Geodetic Survey.

(d) West of Tagalak Pass more than the minimum number of stations were identified. East of Tagalak Pass control is very scarce and difficult to establish. One new station in this area was established and identified and two old stations were identified without visiting the stations.

(e) The following stations were not searched for:

IGITKIN (USN), 1934	TAGALAK (USN), 1934
KALU (USN), 1934	SEAL (USN), 1934

Stations recovered in 1953 and 1955 in the area covered by this report are considered recovered for the purposes of this report.

Station SID (USN), 1934 is destroyed. ELBOW, 1956 was established at about the same position.

Station SCRIP, 1943 was not recovered. This station was not marked and there is an error in the geographic position. There appears to be a 1° error in one of the directions. See observed fourth-order direction at MAL (USN), 1934 on rock in Scripps Bay.

(f) The following horizontal control stations were identified:

Station	Map	Photograph
GREAT SITKIN (USN), 1934	T-11537	46059
ASUKSAK (USN), 1934	T-11548	41978 (1955)
TAGAKAK (USN), 1934	"	41935 (1955)
UMAK (USN), 1934	"	41936 (1955)
MAL (USN), 1934	"	41916 (1955)
BEE (USN), 1934	"	46055
EGO (USN), 1934	T-11549	41934 (1955)
PASS, 1943	"	41932 (1955)
COVE, 1943	"	41934 (1955)
CHUGUL (USN), 1934	"	42108 (1955)
MOSS PT., 1956	"	42202
TIG, 1943	T-11550	42109
KING, 1943	"	41930
REEF, 1943	"	42110
RIP, 1943	"	42109
Chugul Island Light, 1956	"	42124
FEN, 1956	T-11551	42113
SEAL (USN), 1934	"	42113
KIG, 1943	T-11552	42114
BAT (USN), 1934	T-11553	41914 (1955)
BOO (USN), 1934	T-11553	42199
KEY (USN), 1934	"	41916 (1955)
SID (USN), 1934	"	41917 (1955)
GUSTY, 1956	"	42200

Station	Map	Photograph
ANAGAKSIK (USN), 1934	T-11554	42127 (1955)
BUMPY, 1956	"	42129
GUM (Fourth-order)	"	42129
PHY (Fourth-order)	"	42200

Station ANAGAKSIK (USN), 1934 was recovered and occupied this season. There were no suitable sub-stations near the station. The 1955 identification of the station appears to be correct. Other stations identified in 1955 were not verified. They are listed above to complete the list of all identified control on the maps indicated.

4. VERTICAL CONTROL

(a) The only bench marks are tidal bench marks at Chisak Bay - Little Tanaga Island, Zaliva Point - Great Sitkin Island, Tangier Point - Chugul Island and on the island at station FEN, 1956. Tidal bench marks were not used to establish elevations of vertical control points. Tidal bench marks were not identified.

(b) Elevations of vertical control points were determined by zenith distance observations at horizontal control stations. All points identified for vertical control are either horizontal control stations or peaks observed from one or more horizontal control stations.

Elevations are based on measurements to the mean high-water line or to the water surface either by direct measurement or by vertical angle. The datum for computed elevations is mean high water. All elevations are thought to be well within the limits of accuracy required.

All peaks observed on from one or more stations were identified as vertical control points if identification was reasonably certain.

The first and last designated vertical control points are P-050 and P-082, respectively. The approximate positions of designated vertical control points are shown on the manuscripts.

Elevations were computed for vertical control points not involving scaled distances or inverse computations.

(c) Vertical control points were identified as follows:

Vertical Control Point	Horizontal Control Name	Map No.	Photo No.	Elevation in Feet Above MHW
P-059	- - -	T-11328	41914	
GREAT SITKIN (USN), 1934	Same	T-11537	46059	54*
P-050	- - -	T-11538	46067	
P-051	- - -	T-11538	46066	
P-052	- - -	T-11538	46065	
EAST (USN), 1934	Same	T-11539		574*

Vertical Control Point	Horizontal Control Name	Map No.	Photo No.	Elevation in Feet Above MHW
ULAK (USN), 1934	Same	T-11539		144*
P-081	- - -	T-11539	46052	
P-082	- - -	T-11539	46052	
BEE (USN), 1934	Same	T-11548	46055	28
MAL (USN), 1934	Same	T-11548	41916	122
P-053	- - -	T-11548	41991	
P-054	- - -	T-11548	41979	
P-055	ASUKSAK (USN), 1934	T-11548	41978	
P-056	- - -	T-11548	41936	1053
P-057	TAGADAK (USN), 1934	T-11548	41935	650
P-058	- - -	T-11548	41917	1835
EGO (USN), 1934	Same	T-11549		20
COVE, 1943	Same	T-11549		25
CHUGUL (USN), 1934	Same	T-11549	42108	167
RUIN, 1956	Same	T-11549		15
MOSS POINT, 1956	Same	T-11549	42202	67
P-068	- - -	T-11549	46054	
P-069	- - -	T-11549	46053	
P-070	- - -	T-11549	41933	1447
P-071	- - -	T-11549	46053	
P-072	- - -	T-11549	42108	785
TIG, 1943	Same	T-11550	42109	77
KING, 1943	Same	T-11550		15
P-073	- - -	T-11550	42109	1639
P-074	- - -	T-11550	42109	1666
P-075	- - -	T-11550	42109	
P-076	- - -	T-11550	41931	
P-077	- - -	T-11550	42110	1404
P-078	- - -	T-11550	42110	1288
P-079	- - -	T-11550	42110	1761
P-080	- - -	T-11550	42110	
KEY (USN), 1934	Same	T-11553		143
BOO (USN), 1934	Same	T-11553		72
ELBOW, 1956	Same	T-11553		120
GUSTY, 1956	Same	T-11553		22
P-060	- - -	T-11553	41915	
P-061	- - -	T-11553	41915	
P-062	- - -	T-11553	42130	
P-063	- - -	T-11553	41917	
P-064	- - -	T-11553	41917	
ANAGAKSIK (USN), 1934	Same	T-11554		326
P-065	- - -	T-11554	42201	1543
P-066	- - -	T-11554	42201	1766
P-067	- - -	T-11554	42127	859

*Elevations from List of Geographic Positions.

Approximate positions of vertical control points are indicated in red on the manuscripts.

(d) Vertical control established probably meets the minimum requirements except that there are no checks on the identification and elevation of many of the points. Operational difficulties prevented further observations on vertical control points. Periods of fog about 75 per cent of the time during July and August prevented all observations.

The identification of all peaks is indicated as doubtful. They can possibly be improved by office examination.

5. CONTOURS AND DRAINAGE

Contouring is inapplicable.

Drainage is well defined on the photographs. None of it was inspected.

6. WOODLAND COVER

None exists.

7. SHORELINE AND ALONGSHORE FEATURES

(a) Shoreline inspection on Great Sitkin Island extended from a junction with previous shoreline inspection at Cape Kiugilak around the south side of the island to Bugle Point. On Little Tanaga Island all shoreline was field inspected eastward from a junction with 1955 shoreline inspection. Eastward to Fenimore Pass all shoreline of all islands was field inspected except on Anagaksik Island and Ulak Island. No shoreline inspection was accomplished on Anagaksik Island. Shoreline inspection was started on Ulak Island but very little was completed.

Shoreline inspection was accomplished from a boat running as close to shore as conditions permitted. The high-water line was not inspected in detail. In most of the area the high-water line is obvious on at least one photograph, but in some cases the high-water line is clearer near the edges of some of the photographs than it is nearer the center of others. The high-water line is indicated in some areas of shadow. At other places it is indicated at random intervals.

(b) The low-water line is not defined on the photographs.

(c) The foreshore is mostly rocky and boulders. There are scattered sand or gravel beaches mostly in the heads of bays. The character of the foreshore is indicated on the photographs at random intervals.

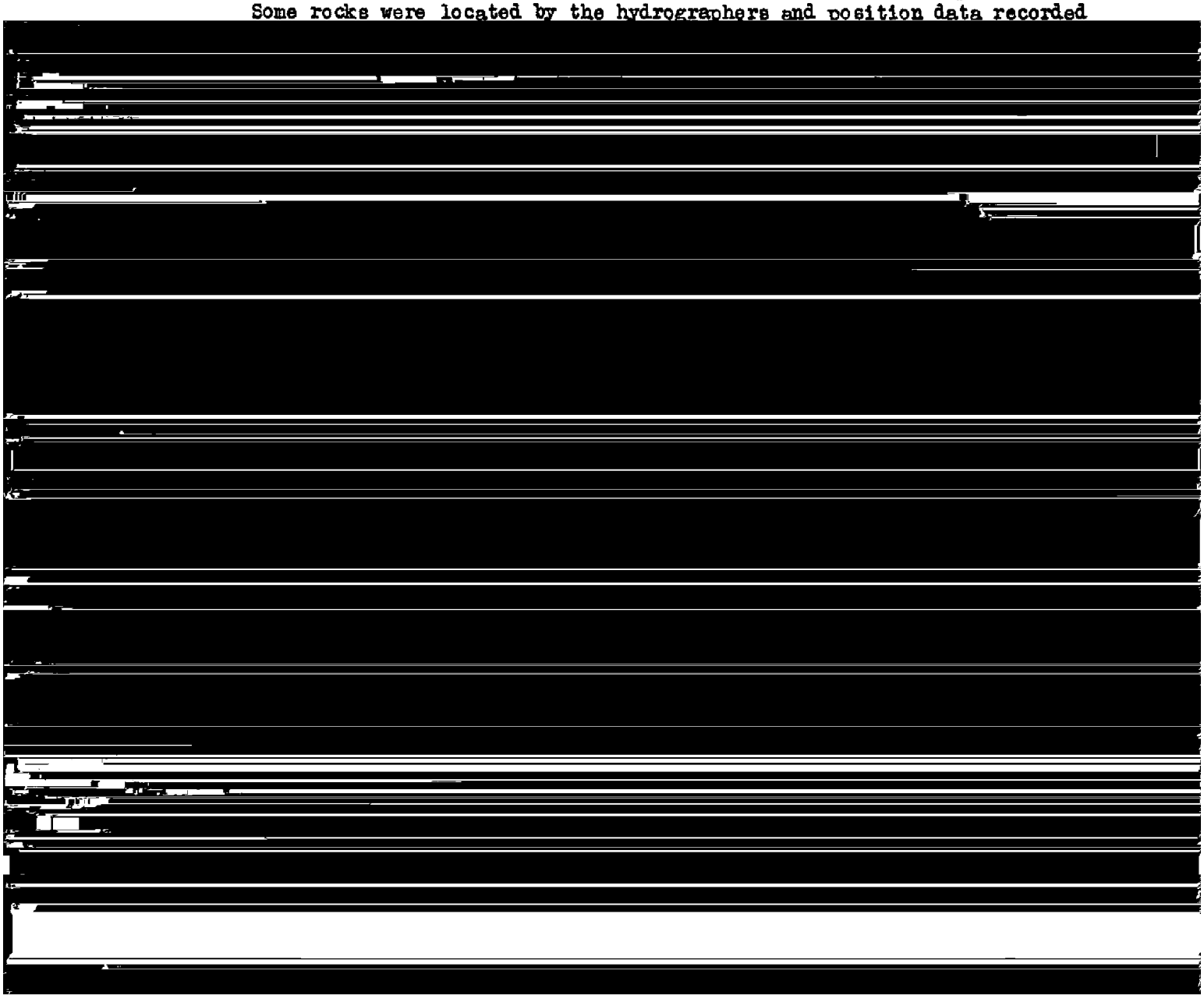
(d) On the exposed Pacific side of the islands rocky cliffs rise almost vertically from the water with some of them being as high as 200 to 300 feet. In more protected areas grass covered slopes rise steeply above low rocky cliffs. At the heads of most of the bays are sand banks 10 to 15 feet high.

(e) The only pier in the area is the Navy fuel pier at Sand Bay, Great Sitkin Island. North of the fuel pier are the ruins of a small pier. Only piles and a few deck planks remain in place. South of the fuel pier are the ruins of another small pier, but all existing piles are inside the high-water line.

(f) There are no known submarine cables in the area.

8. OFFSHORE FEATURES

All offshore features were field inspected except in areas defined above where no field inspection was done. More emphasis was placed on offshore features than on the high-water line. Because of the difficulty of seeing details on many of the photographs considerable detail of offshore features was not clarified. Important offshore features not visible on the photographs were located by other means. Rocks located during photogrammetric operations were located by sextant fix on the rock. Fix data is inked on the backs of photographs. Some rocks were located by the hydrographers and position data recorded



recovery of these stations next year.

Theodolite directions were observed on many of the photo-hydro stations. Two or more directions were observed on a few of these stations and positions of them can be computed.

12. OTHER INTERIOR FEATURES

The only roads and buildings in the area covered by this report are at the Navy fuel station, Sand Bay, Great Sitkin Island. Roads and buildings were not classified.

There are several trappers' cabins in the area. These are noted as cabins on the photographs.

There are no bridges, cables, airports or landing fields in the area covered by this report.

13. GEOGRAPHIC NAMES

No new geographic names are recommended for the area covered by this report.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Supplemental data includes other phases of field work--triangulation, hydrography, Coast Pilot Notes, etc.

Copies of triangulation data are forwarded with the project data.

[redacted]

Photographs on which 1956 photo-topo and photo-hydro station notes appear are listed on extra pages at the end of this report.

Photographs on which other 1956 field inspection notes appear are as follows:

41914	41936	42113	42200
41915	41937	42122	42201
41916	41938	42123 (2)	42202
41917	41991	42124	46051
41918	41992	42128	46052
41930	42107	42129	46053
41931	42108	42130	46954 (2)
41932	42109	42131	46055
41933	42110	42132	46056
41934	42111 (2)	42133	46057
41935	42112 (2)	42199	46065

16. MANUSCRIPTS

Preliminary, advance and incomplete manuscripts used this season were entirely satisfactory for boat sheet purposes and no serious difficulties were encountered. There are some discrepancies between 1943 hydrography on H-6918 (1943) and topographic details transferred to

RECOVERABLE TOPOGRAPHIC STATION

Asuksak Island Light Map No. T-11548 Photo No. 41938

PHOTO-HYDRO STATIONS

Map T-11328

Name	Photo No.
ELF	41915

Map T-11537

Name	Photo No.
ADD	46059
BUR	46059
CAL	46059

Map T-11538

Name	Photo No.
BUN	46056
CAD	46056
CAM	46054
CAN	41915
DAB	41915
DAW	46059
DEL	46054
DOC	46059
DOE	41937
EBB	46056
FEM	46056
FEZ	41991

Map T-11548 Cont.

Name	Photo No.
ROY	41936
SAG	41937
SIN	46056
SIP	41937
TAX	41937
TIM	41936
TUB	41936
UTE	41937
VIM	41937
WAC	41936
WAR	41937
WAX	46056

[redacted]

Photo-hydro stations (Cont.)

Map T-11549 Cont.

Name	Photo No.
RAG	46053
RIG	42108
SAW	46053
SOX	46052
TAB	41933
TOW	46053
VEX	41933
VOW	46053
WAD	46053
WAT	41932
YAW	41932
YET	46054
ZIP	46053
Tide gage	42109

Map T-11550

Name	Photo No.
ALL	46052
AMY	42111
ARM	42124
ATE	42110
BIN	46051
BOB	42111
BUD	42124
COW	42124
DIF	42124
ERA	42124
FAT	42124
GAS	41931
GOB	42122
GIB	41930
HOW	42109
ILK	42109
JAR	42109
JIM	42110
KAY	42108
KOA	42109
LIL	42109
LIM	42108
NAN	42111
NIG	41930
OVA	42111
PIT	42111
ROD	42111
SAL	42111
SAY	42110
TAR	42111

Map T-11550 Cont.

Name	Photo No.
TIP	42109
UNO	42111
VAN	42110
VAT	42111
WAS	42110
WES	42111
YAK	42111
YAP	42111
ZAG	42110
ZAM	41931
ZOO	42111

Map T-11551

Name	Photo No.
AXE	42112
BOG	42113
CAT	42111
CAW	42112
DEN	42112
DOG	42111
ELM	42112
EON	42112
FLO	42112
FRY	42112
GIG	42112
GIN	42112
HIT	42112
INA	42113
IRA	42112
JAN	42112
JIG	42112
KED	42111
KIT	42113
LOB	42112
MOP	42113
MUT	42112
Tide gage	42112

Map T-11553

Name	Photo No.
ALP	42132
ASH	42132
BAN	42132
BAR	41916
BIB	42132
BIT	42131

Map T-11553 Cont.

Name	Photo No.
BOW	42132
COG	42132
COY	42132
CUP	42132
DON	42131
DUM	42132
ELK	42131
EVE	42132
FAY	42132
FOE	41915
FOX	42131
GAG	42131
GAT	42132
GAY	41915
HAL	41915
HAW	42131
HUB	42132
HUT	42132
IMP	42131
INK	42132
JAM	42132
JAY	42131
JET	41915
KID	41915
KIM	42131
KIX	42132
LAY	42132
LEO	42131
LON	41915
MAG	42131
MID	42130
MIX	42132
MUM	41915
NAG	42132
NEW	41915
NIX	42130
NOD	42129
NUN	42131
OFF	42132
OIL	42130
ORA	42131
ORE	41915
PEG	42132
PET	42130
POD	41914
RAT	42129
RAW	41914
REV	42130

Photo-hydro stations (Cont.)

Map T-11553 Cont.

Name	Photo No.
RIM	42132
SAD	42132
SAT	41914
SUB	41917
TED	41914
TOE	42131
TOP	42132
TOY	41916
UNA	42132
URN	42130
USE	42199
VAL	42132
WAG	42132
YAM	42132
ZIG	42132
Tide gage	42132

Map T-11554

Name	Photo No.
GUM	42130
LAD	42129
PRY	42200
QUO	42128

31: Delineation: The shoreline and foreshore features were delineated graphically as an incomplete manuscript and revised after shoreline inspection and additional control identification during the 1955 and 1956 season. The contours and drainage were delineated on the Reading Nine-lens plotter model "B".

32. Control: See radial plot for discussion of horizontal control. The vertical control was adequate.

33. Supplemental Data: None

34. Contours and Drainage: No comment

35 & 36. Shoreline Along shore and Offshore Detail: The shoreline inspection was adequate.

37. Landmarks and Aids: None were recovered or established.

38. Control for Future Surveys: One form 524 is submitted for topo station July 1955. A list of the hydro stations is included in the field inspection report.

39. Junctions: Junction was made with all adjacent sheets.

40. Horizontal and Vertical Accuracy: See radial plot report for discussion of horizontal accuracy. There are no areas of questionable vertical accuracy.

46. Comparison with Existing Maps: Comparison was made with Survey No. T-6940, 1934.

47. Comparison with Nautical Charts: Comparison was made with nautical chart 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

Approved by:

Louis Levin
Supervisory Cartographer
Nine Lens Stereo Mapping Unit

Submitted by:

Wallace Heinbaugh
Cartographer (photo.)

GEOGRAPHIC NAMES

Survey No.

T-11328

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
ALASKA	}									1
ALEUTIAN ISLANDS	}	for title								2
ANDREANOF ISLANDS	}									3
CABIN COVE										4
CAPE LISES										5
CEMETERY POINT										6
CHAIKA ROCK										7
KAGALASKA ISLAND										8
LITTLE TANAGA ISLAND										9
LITTLE TANAGA STRAIT										10
LOWER ARM										11
OGLALA POINT										12
PIPER COVE										13
QUAIL BAY										14
SILAK ISLAND										15
TANA BIGHT										16
UPPER ARM										17
Cape Chisak										18
Tana Point										19
Sitkin Sound.										20
Crater Cove			Names approved 8-19-57, L Heck							21
										22
										23
										24
										25
										26
										27

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Review Report of
Topographic Map T-11328
October 1957

62. Comparison with Registered Topographic Surveys:

T-6935		1:10,000	1943
T-6940	USN	1:40,000	1934

T-6935 is in good agreement with subject topographic survey. There are considerable differences with U. S. Navy topographic survey T-6940 of 1934. The omission of a small island (lat. 51°48.8', long. 176° 15.4' approx.) on the Navy survey and noteworthy lack of agreement in Quail Bay are typical examples. The adequately controlled and completely detailed topographic survey T-11328 will supercede previous surveys (listed above) for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

Adak, Alaska of Alaska Reconnaissance Topographic Series of 1951 by the U. S. Geological Survey at scale of 1:250,000 is the only previously published map of identical area. This small scale chart is inadequate for comparison with our 1:20,000 scale survey.

64. Comparison with Contemporary Hydrographic Surveys:

H-8240	1:25,000	1955

Preliminary shoreline of T-11328 was furnished for listed hydrographic survey. Subsequent field inspection resulted in the revision of shoreline, foreshore and offshore features. During final review only a few minor changes in and near Piper Cove plus three additional geographic names were applied. These corrections should be considered in the final inking of H-8240, which do not appear to interfere with the hydrographic information.

[redacted]

66. Adequacy of Results and Future Surveys:

Shoreline field inspection is incomplete, however, appeared adequate for this type of survey. There is no field inspection of the interior, except for control. Some of the detailing was accomplished by office interpretation only and is subject to error. Other than these no deficiencies in accuracy and adequacy are indicated.

Reviewed by:

Josef J. Streifler

Approved

Chief, Review & Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Div.

Chief, Coastal Surveys Div.

Summary
To Accompany Topographic Map
T-11328

This topographic survey covers Little Tanaga Strait with most of the bordering portions of islands of Kagalaska and Little Tanaga. This area falls within the group of islands known as Andreanof Islands of the Aleutians in Alaska.

T-11328 was compiled first as a shoreline survey in 1955 from 1953 nine-lens photography to be furnished the hydrographic party for H-8240. Subsequent field inspection of seasons 1955-56 resulted in a new compilation of the shoreline in 1956. The survey was completed in 1957 on the Reading Plotter as a topographic map.

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

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. 11328

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5-24-60	9141	L.V.E.	~~Before~~ After Verification and Review Partly applied
		dwg 7	
6-9-61	9140	R.E. Elkins	~~Before~~ After Verification and Review Partly applied Revised shoreline and elevations this chart 9141 dwg 7.
1-14-66	9139	[illegible]	~~Before~~ After Verification and Review Partly appld (shoreline) (To be considered as final application until reconstructed Thru Ch 9140
2/16/66	9193	John P. Wei	~~Before~~ After Verification and Review Thru Ch 9141 dwg 7, and Ch 9140 dwg #5, consider fully applied until reconstructed
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review