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Diag. Cht. No. 886322.

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-11330
T-11331
T-11332
T-11333

LOCALITY

State Alaska

General locality Andreanof Islands

Locality Adak and Kagalaska Islands

(South Coast)

194

CHIEF OF PARTY

S.B. Grenell, Chief of Party

L.W. Swanson, Div. of Photo., Wash., D.C.

LIBRARY & ARCHIVES

DATE September 15, 1958

T-11331, 11332 & 11333 partly applied to Chart 9141 - to be
considered final application until chart is
reconstructed. 5/24/60 ME

DATA RECORD

T - 11330, T-11331, T-11332, T-11333

Project No. (II): **Ph-34** Quadrangle Name (IV): **T-11330 ADAM B-3 NE**
T-11331 " B-2 NW
T-11332 " B-2 NE
T-11332 " B-1 NW
Field Office (II): **Ship EXPLORER** Chief of Party: **S. B. Grenell**

Photogrammetric Office (III): **Washington, D.C.** Officer-in-Charge: **L. W. Swanson**

Instructions dated (II) (III): Copy filed in Division of
Field: 25 February 1954 Photogrammetry (IV)
16 December 1954

Office: **2 November 1954 - 732-mk1**
31 October 1955 - 73-mk1

References (a) 10 November 1954 - 731-mk1; (b) 21 March 1955 - 731-mk1
Method of Compilation (III): (c) 8 Sept., 1955 - 73-mk1; (d) 25 October 1955 - 731-mk1
Shoreline and Offshore Features - Graphic methods
Contours and Drainage - Reading Nine-lens plotters

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): **6-10-58**

Publication Scale (IV): **1:25,000** 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~~ mean lower low water

Reference Station (III): **Ned (U.S.E.) 1943 - T-11331**

Lat.: **51° 43' 38.645"** Long.: **176° 35' 19.005"** 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.

T-11330, T-11331, T-11332, T-11333

W. Heinbaugh

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

DATA RECORD

3

Field Inspection by (II): **S. L. Hollie**

Date: **1955 Field season**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Date of Photography

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

Date: **10-27-54**

Projection and Grids checked by (IV): **T-11330 - H. Wolfe**

Date: **11-10-54**

T-11331 - H. Wolfe

11-10-54

Control plotted by (III):

T-11332 - Baltimore Office

Date: **--**

T-11333 - H. Wolfe

11-10-54

J. Battley, W. R. Kachel, B. Hale and G. Walker, on 1-15-55, 1-20-55, 11-55 and 12-6-55, respectively.

Control checked by (III):

M. Weber

Date: **1-21-55**

W. Kachel

1-24-55

D. Carrier

11-55

K. Maki

11-18-55

Radial Plot or Stereoscopic

S. G. Blankenbaker

Date: **11-18-55**

Control extension by (III):

Planimetry

Date:

Stereoscopic Instrument compilation (III):

W. Heinbaugh

7-10-56

Contours

Date:

Manuscript delineated by (III):

Shoreline by G. Amburn, R.L. Sugden

Date: **12-16-55 to**

S. G. Blankenbaker, G. A. Walker, Jr.

1-3-56

Topography - W. Heinbaugh

Photogrammetric Office Review by (III):

K. N. Maki (shoreline)

Date: **1-3-56**

L. Levin (topography)

8-10-56

Elevations on Manuscript

Date:

checked by (II) (III):

L. Levin

8-10-56

Camera (kind or source) (III):

Number		Date	Time	Scale	Stage of Tide
42132 through 42145	9-25-53	2:10 - 2:22	1:20,000	3.3 above MLLW	
41904 " 41905	9-21-53	1:38 - 1:39	1:20,000	2.5 " "	
42154 " 42170	9-25-53	2:33 - 2:51	1:20,000	3.4 " "	

Tide (III)

Reference Station: **Sweeper Cove, Adak, Alaska**
 Subordinate Station: ***Use Sweeper Cove**
 Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Ratio Range
1.0		3.7

Washington Office Review by (IV):

S. Blankenbaker
J. Streifler
W. Gazik

Date:

Final Drafting by (IV): J. Fraiser

11330

J. Daugherty
 J. Daugherty
 P. Dempsey

T-11331
 T-11332
 T-11333

4-7-58
 3-28-58
 5-7-58

Date: March 22, 1958

Drafting verified for reproduction by (IV):

W.O. Hallum

Date: 6-10-58

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):

T-11330, T-11331, T-11332, T-11333
66 132 42 9

Remarks: *Sweeper Cove

Bay of Waterfalls

Turret Pt. to Ragged Pt.

(Tide data from Tides and Currents Division -

Mr. Wilcox - 11-21-55)

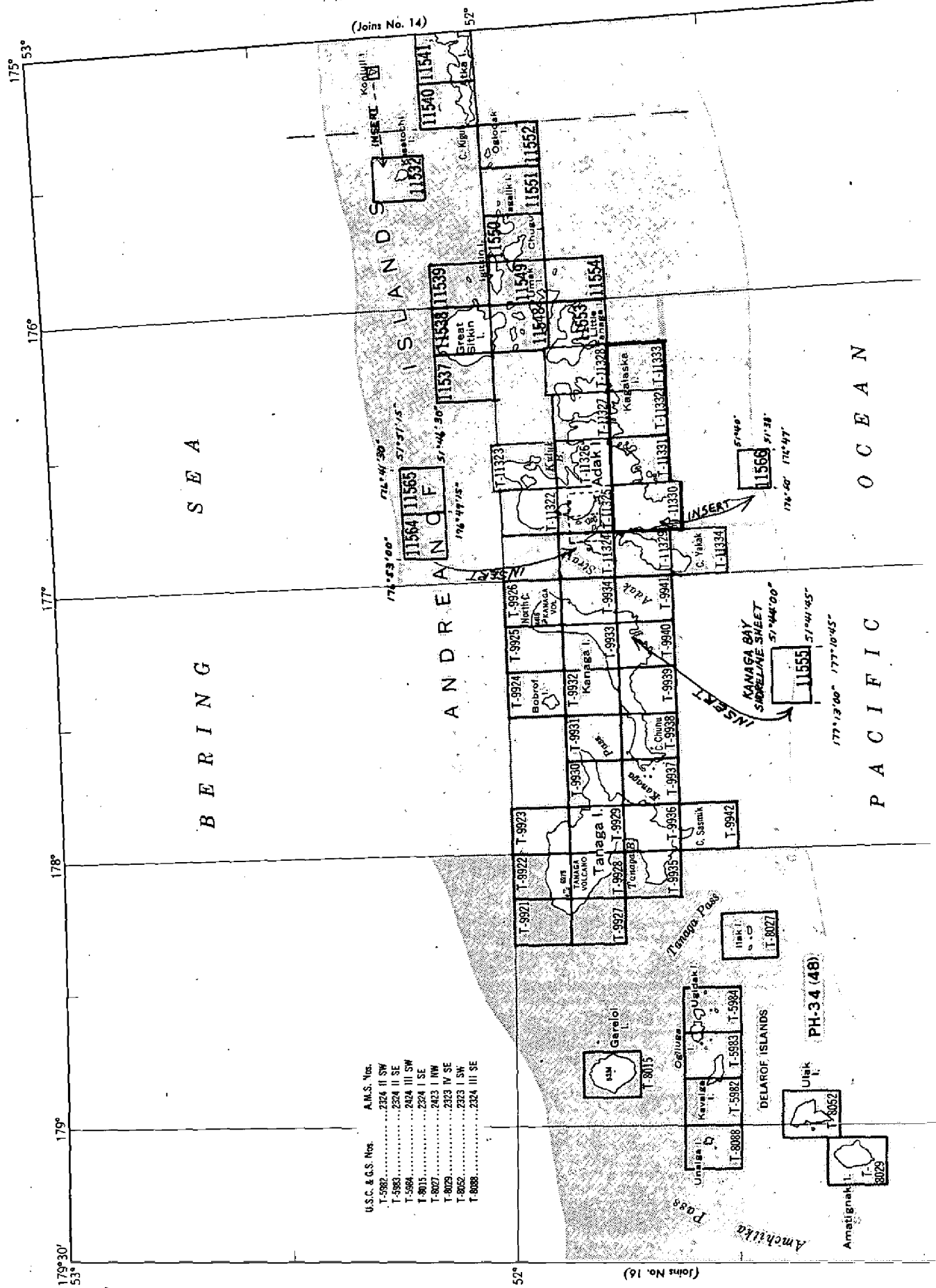
Time
Differences
 - 1:40 min.
 - 1:40 min.

Ratio of
Ranges
 0.95
 1.0

**See Photogrammetric Plot Report

24050

Alutian Islands



Summary to Accompany Topographic Map T-11330

This is one of Project 6034 (Ph-34). It covers the southern tip of Adak Island - east of Bay of Waterfalls (Andreanof Islands) of the Aleutian Islands.

Advance shoreline was furnished for Hydrographic Survey H-8238, 1:20,000. In addition, Shoreline Survey, T-11566, detailed with Kelsh Plotter at scale of 1:5,000 from "W" Camera single-lens photography of 1954 covering Chapel Cove and Chapel Road, was accomplished for large scale inset of Hydrographic Survey H-8238. Results of complete field inspection of 1955 of the 1:5,000 survey have been applied to all affected surveys.

Shoreline and foreshore features were compiled graphically and corrected after field inspection. All interior detailing, without benefit of field inspection, were delineated on the Reading nine-lens plotter.

After addition of hydrographic information the map will be published by the Army Map Service as a standard topographic quadrangle (that portion below $51^{\circ} 37' 30''$ latitude will be published by AMS as a separate quadrangle) at the scale of 1:25,000.

~~A cloth backed, lithographic print~~ ^{*CRONAR*} (of the entire compilation) at manuscript scale and the descriptive report, as well as a cloth-backed print of the two AMS quadrangles in colors after final printing, will be registered and filed in the Bureau Archives.

Summary for T-11331

T-11331 is one of a series of topographic maps at 1:20,000 scale in Project 24050 covering the ALEUTIAN ISLANDS. This topographic map covers a portion of the southern shore of ADAK ISLAND - CAMEL COVE and vicinity.

Project 24050 was previously designated 6034 and, prior to that, was originally numbered Ph-34(48). Depth curves and soundings were applied during final review and were checked by the Nautical Chart Branch. The map with this hydrographic information will be published by Army Map Service at 1:25,000 scale.

~~A cloth backed lithographic~~
CRONAR
A ~~cloth backed lithographic~~ print of the map at compilation scale without the hydrographic information will be registered in the Bureau Archives.

Summary to Accompany Topographic Survey T-11332

Topographic Survey T-11332 was accomplished as part of Project 6034. It covers parts of Adak and Kagalaska Island at the south end of Kagalaska Strait.

Field inspection was accomplished in the Kagalaska Strait area during the 1953 and 1955 field seasons. Small sections of shoreline at the south end of Kagalaska Strait were not field inspected by either of the two parties.

No field edit was accomplished.

With the addition of Hydrography the map will be published by the Army Map Service as a standard topographic quadrangle.

CRONAR

A ~~cloth-backed lithographic~~ print at manuscript scale and the descriptive report, as well as a cloth-backed print of the AMS quadrangle in colors after final printing, will be registered and filed in the Bureau Archives.

Summary to Accompany Topographic Map T-11333

T-11333 is one of Project 6034 (Ph-34). It covers the southeastern tip of Kagalaska Island (Andreanof Islands) of the Aleutian Islands.

Shoreline and offshore detailing were compiled graphically and furnished for Hydrographic Surveys H-8239 and H-8240, 1:20,000. Results of field inspection have been applied. All interior detailing, without benefit of field inspection, were delineated on the Reading Nine-lens Plotter.

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

~~A cloth-backed, lithographic~~ ^{CEONAR} print at manuscript scale and the descriptive report, as well as a cloth-backed print of the AMS quadrangle in colors after final printing, will be registered and filed in the Bureau Archives.

FIELD INSPECTION REPORT

for

T-11322, 23, 27, 28, 29, 30, 31, 32, 33, 34, T-11537-38,
T-11548, 49, 53, 54, T-11566

2. Aerial field inspection

(a) These maps cover most of Adak Island, all of Kagalaska I. Little Tanaga I. and Great Sitkin I. which are among the islands known as the Andreanof Group. Adak I. is the largest of these islands and the most important in the Andreanof Group. Its importance is based on the fact that it is the site of Davis Air Force Base, and the U. S. Naval Station, Adak, Alaska. The island is approximately 20 miles wide and 25 miles long. Its most prominent features are Mt. Moffett at the northwest end, Mt. Adagadak on the northeast tip, and Cape Yakak, a large flat plateau at its south west corner. The island is very mountainous and lakes of all sizes abound. The shoreline is markedly cut up into numerous bays and small islands.

Landings on Adak Island can be made without too much difficulty under normal sea conditions with the exception of that stretch of beach north of Cape Kiguga to Cape Moffett, where landing is difficult under any but calmest sea conditions.

There are scattered groups of buildings (mostly quonset huts), built by the Navy throughout Adak Island. Outlying areas where buildings were noted were: the north end of Shagak Bay, the heads of Boot Bay and Hidden Bay, at Cape Kiguga, at station OLAN(USN), 1934 and at Cape Yakak, which had been a fairly large establishment. All the buildings in these areas were apparently abandoned and in a state of disrepair.

Kagalaska I. and Little Tanaga I. are similar to Adak I. as to geographical features.

Great Sitkin I. is approximately 10 miles long and 8 miles wide. Its predominant feature is a bare conical peak of approximately 5700 feet with a huge crater of an active volcano on its northwest slope. The mountain's slopes sustain practically no growth (except in the lower reaches), due to the almost constant fall of volcanic ash, and the periodic lava flows are readily recognized on the excellent photographs of the area. Shoreline inspection was accomplished on the north side of the island from Eagle Point to the bay area just south of Saddle Point. Much of the shoreline in this area is steep and rocky, but there are long stretches of sand beach, specifically in the bay areas between Eagle Point and Sulphur Point, and Sulphur Point and Teapot Rock.

Sand Bay has a large number of buildings and is an operational

basis as a Naval Fuel Supply Depot. The only other buildings on the island are at Cape Kingilik and these are abandoned and in a state of disrepair.

(b) Field Inspection: Shoreline inspection was accomplished while running in a launch parallel to the shoreline. Inspection is believed to be sub-standard only in those areas where shadow was dark enough to obscure the shoreline. Shoreline in these areas was approximated as close to its actual position as was practicable. No marked discrepancies were noted in office-compiled shorelines. See side heading 7 for list of minor discrepancies. Heights of offlying pinnacles were estimated and no precise measurements were attempted.

(c) Quality of Photographs: The quality of the nine-lens photographs was very good in most instances. Coverage on the north shore of Adak I. from Cape Moffett to Andrew Bay was good on the field photos but there was considerable difficulty transferring selected selected photo-hydro points to the poorer office prints. Deep shadow obscured shoreline in some areas around Beyer Bay and nearby offlying islands, from Finger Bay to Thunder Point, and the east side of Ragged Point.

(d) Items of Historical Interest: Inapplicable.

3. Horizontal control

(a) Supplemental control of third order accuracy established: *

ACORN, 1955	* See Triangulation Report, Ship
BALSA, "	EXPLORER, for detailed information
IGRA, 1947 and 1955	concerning horizontal control.
TANK, 1955	
FANG, "	
GULF, "	
RADIO TOWER, 1955	

Station REV (USN), 1933 was re-established on its original site. The station mark had been broken away from the concrete base but the impression of the base of the mark remained in the concrete and the mark was replaced and re-cemented in its original position.

(b) No datum adjustments were made by the field party.

(c) The following horizontal control of 2nd. and 3rd. order accuracy, established by other agencies was identified:

STATION NAME	MANUSCRIPT	PHOTO NO.
KAG(USN), 1943	T-11330	41906
HID(USN), 1943-(doubtful) see (d)	T-11331	42140
DAK(USN), 1943 " " "	T-11331	42139
EAST(USN), 1943 " " "	T-11326	42138
BRAN(USN), 1944 " " "	T-11323	39081
REV(USN), 1933	T-11323	42093
JIT(USN), 1933	T-11322	46084

(cont.)

<u>STATION NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
AL29(USN), 1943	T-11323	39069
CLAM(USN), 1934	T-11323	39082
LITTLE TANAGA(USN), 1934	T-11328	41940(42160-OF)
ICE(USN), 1933	T-11328	41940
EGG(USN), 1934	T-11549	41934
CHUGUL(USN), 1943	T-11549	42108
ASUKSAK(USN), 1934	T-11548	41978
TAGADAK(USN), 1934	T-11548	41935
UMAK(USN), 1934	T-11548	41936
MAL(USN), 1934	T-11548	41916
BAT(USN), 1934	T-11553	41914 or 15
KEY(USN), 1934	T-11553	41916 or 17

(d) The following stations required by the project instructions for control of compilation were not recovered or established and/or positively identified:

MOF(USN), 1933 was not recovered. A search of approximately one hour failed to locate this station. Further search was considered impractical.

Station (or azimuth) at Cape Moffett was not established. A substitute station, ACOHN, 1955 was established on a small offlying island approximately 2-1/2 miles further to the east along the north shore. It was felt that this location would fulfill the requirements and could be established with less difficulty and greater accuracy.

HID(USN), 1943 was not positively identified. A check of the field identification aboard ship raised some doubt as to the correctness of identification of the objects used as sub-points. An explanation and sketch was included on the CSI card.

(e) All Coast and Geodetic Survey Marks which were required by the project instructions were searched for. The following stations were listed as lost on form 526, but were identified:

<u>STATION NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
DYE(USN), 1934	T-11328	41940
SID(USN), 1934	T-11535	41916 or 17

Station DYE(USN), 1934 was not found. A small rock islet with surroundings fitting the original description of the station was found in the location of the plotted station, but no evidence of the station was found. As field identification checked with office identification, a CSI card was completed and forwarded. If this station does not hold in the new radial plot it is recommended that it be rejected.

Station mark SID(USN), 1934 had been dislodged and was found lying near its concrete base. The station is "lost" but identification of concrete base is positive, and considered adequate for photogrammetric control.

ANAGAKSIR(USE), 1934 was identified but not recovered. Landing was too difficult at the only practical approach to the station, and as the remains of the old tripod and an iron pipe marker mentioned in the description could be seen from the water, the station was pricked direct at the point observed. It is believed that this identification will fall within the requirements of accuracy; however, if this station does not hold in the radial plot it should be rejected.

(f) The following horizontal control established by the Coast and Geodetic Survey was identified:

<u>STATION NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
FAHO, 1955	T-11330	41906
GULF, 1955	T-11330	42142
ACORN, 1955	T-11322	39072
BALSA, 1955	T-11323	39068
TANK, 1955	T-11323	39068
LALA, 1946	T-11328	41941
FRONT RANGE LT., 1946	T-11326	42102
SCAB, 1943	T-11326	42103
HID, 1943	T-11326	42103
ROCK, 1954	T-11329	54-W-2864
RADIO MAST, 1955	T-11323	42086 (OP)
BUCK, 1954	T-11566	54-W-2866
CANE, 1954	T-11566	54-W-2874
COVE, 1943	T-11549	41934
PASS, 1943	T-11549	41932
RF2, 1945	T-11327	42103
ONE, 1945	T-11326	42102
NINE, 1945	T-11326	42102
SULPHUR POINT, OUTER ROCK, 1953	T-11538	46065
SULPHUR POINT, ROCK NO. 2, 1953	T-11538	46065
TEA POT SPOUT, 1953	T-11538	46074
TEA POT ROCK, 1953	T-11538	46074

4. Vertical Control

(a) The only existing bench marks are tidal bench marks at Sweeper Cove Tide Gage, Adak, Alaska, and those established during the 1955 field season at Chapel Roads, Elf Island, Cemetery Point, Andrew Bay, and Cape Kingilik. Tidal bench marks were not used to establish elevations of vertical control points and were not identified.

(b) All elevations were established by trigonometric leveling from theodolite observations at horizontal control stations or unmarked photo stations. They are based on observations of the water surface at identifiable points.

Eccentric setups and small angles made good side checks difficult to obtain from stations in the Beyer Bay area. In other areas the use of photo points made computations impracticable. Therefore elevations were computed only for identified vertical control points; horizontal distances being obtained by radial plotting developed peaks. The datum for the computed elevations is mean high water based on the stage of the tide computed from the tide tables at the time of observations on the water surface. The datum thus established is probably within one foot of mean high water. A check in elevation within reasonable limits was deemed satisfactory and no attempt was made to make results check exactly. Elevations obtained are felt to be satisfactory. All observations taken at REM(USH), 1934 are unchecked and computed elevations are completely dependent upon accuracy of identification.

(c) Vertical control points were established as follows:

NAME	MANUSCRIPT	PHOTO NO.
P-032	T-11330	42169
033	T-11325	42169
034	T-11331	42168
035	T-11331	42168
036	T-11331	42168
037	T-11327	42165
038	T-11327	42165
039	T-11327	42165
040	T-11322	42165
041	T-11332	42165
042	T-11323	37672
043	T-11322	39072
044	T-11322	39072
045	T-11325	42101-2
046	T-11325	42101-2
047	T-11326	42101-2
048	T-11326	42101-2
049	T-11326	42104
from REM Pt. A	T-11328	42135
B	T-11327	42164
C	T-11327	41942
D	T-11328	42196
E	T-11328	421946
F	T-11538	Great Sitkin
G	T-11538	Great Sitkin
H		
J	T-11328	42162
K	T-11328	42162
L	T-11553	42132
M	T-11553	42132

from NINE Pk. I T-11327

42104

(d) Vertical control stations established did not fulfill the requirements of the project instructions. The taking of vertical angles for establishing this control is necessarily dependent upon such factors as: (1) general visibility, (2) cloud coverage, (3) working area, (4) landing conditions, (5) other priority work requirements. Because of these reasons the control established necessarily diverges from the requirements.

5. Contours and Drainage

No contouring was accomplished in the area.

Drainage is obvious and well defined. There was no field inspection of the interior. Lakes and ponds in the area are well defined and are not marked on the photos.

6. Woodland cover

None exists. High slopes are rock, low slopes are grass and tundra.

7. Shoreline and alongshore features

(a) The mean high-water line was indicated at intervals in areas where clearly visible, and in areas where the shoreline was indistinct or obscured by shadow. Time would only allow an approximation of the correct configuration of the shoreline in these areas. The following areas of minor discrepancy were noted on the preliminary manuscripts.

(1) Poor delineation of shoreline in group of small islands at east side of Andrew Bay. On the north side of Adak I. more recent photos are much clearer.

(2) At $51^{\circ} 41'$ and $176^{\circ} 36'$ small islet shown on manuscript at north of group of small islands is not separated but a part of the larger island.

(3) At $51^{\circ} 42.2'$ $176^{\circ} 36.3'$ small island - not delineated.

(4) At $51^{\circ} 44.1'$ $176^{\circ} 31.5'$ " " " "

(5) At $51^{\circ} 40.8'$ $176^{\circ} 39.4'$ rocks visible on photos

(6) At $51^{\circ} 41.5'$ $176^{\circ} 35.3'$ and at $51^{\circ} 42.1'$ $176^{\circ} 32.6'$ there are no ledges in these areas.

T-11331

In other instances, shadow tended to obscure cut-backs along the shore and some of these were indicated on the photographs. A listing of photographs with shoreline notes is attached at the end of this report.

(b) The low water line was not defined except in those areas where it corresponds to the high water line, as at sheer rock ledges or cliffs. A limiting or foul line was indicated in many instances where it was considered helpful or necessary. In most instances relatively deep water extends right up to the beach line and where sounding lines are restricted only by foul areas.

(c) Foreshore differences on Adak I. range from flat sand beach at the southeast corner of Andrew Bay, to sheer rock cliffs as on the large portion of the southern coast. Except at the heads of the bays, beaches on the south side, are narrow and rocky.

(d) There are long stretches of rocky cliffs rising steeply from the water. Grass covered bluffs are more or less restricted to bay areas.

(e) Docks, wharves, piers, etc. are entirely restricted to those areas of Sweeper Cove, Finger Bay and Kuluk on Adak Island and Sand Bay on Great Sitkin Island.

8. Offshore features

All visible offshore features were visited during field inspection and their elevations were estimated either above the mean high water line or above the water surface at the time of field inspection.

9. Landmarks and Aids

Landmarks are covered under another phase of field work. See report: LANDMARKS FOR CHARTS, ALIUTIAN ISLANDS, SHIP EXPLORER, 1955.

10. Boundaries, Monuments and Lines

Inapplicable.

11. Other Control

The following topographic station was established on the west side of Cape Chisak, as requested in project instructions:

NAME
JULY, 1955

MANUSCRIPT
T-11328

PHOTO NO.
42133

Photo-hydro stations identified are listed on extra pages at the end of this report.

12. Other interior features

See side heading 2.

13. Geographic names

To be submitted as a separate report in connection with other field work.

14. Special Reports and Supplemental Data

Triangulation data has been forwarded to the Division of Geodesy, Washington, D. C.

Beet sheets have been forwarded to the Division of Coastal Surveys, Washington, D. C.

Other supplemental data:

Transmittal letter	dt.		to Wash.	Fig #
"	"	"	6/13/55	" 67
"	"	"	8/10/55	" 76
"	"	"	8/10/55	" 77
"	"	"	8/15/55	" 78
"	"	"	10/6/55	" 86
"	"	"	10/11/55	" 89
"	"	"	10/18/55	" 90
"	"	"	10/19/55	" 91
"	"	"	10/29/55	" 96
"	"	"	10/21/55	" 97
"	"	"	10/21/55	" 100
"	"	"	11/2/55	" 107

Data forwarded with this report:

List of Directions
 Abstract of Zenith Distances
 Observations of Zenith Distances
 Observations of Horizontal Directions from Sta. July-1955
 Geographic Positions for new control established

Data included in this report:

Progress Sketch
 Horizontal photographs (for identification of vertical control)
 Data on elevations of vertical stations
 Manuscript layout

15. Additional Work

Manuscript T-11566 was a supplemental sheet of scale 1:5,000 covering the area of Chapel Roads and Chapel Cove on the east side of the Bay of Waterfalls. Photographs of the area were single lens and their quality was very good. Triangulation Station Rock 1954 while not falling within the limits of the sheet was identified on one of the 1:5,000 scale photographs covering the area. Shoreline inspection was also done on the larger scale photographs where possible.

Hydrographic signals for this sheet were located by both photogrammetric and graphic methods with the following exceptions:

<u>Signal Name</u>	<u>Remarks</u>
Rev	no photogrammetric location
Won	" "
Zoo	no graphic location
Yak	" "

It is requested that photogrammetric locations for signals Zoo and Yak be furnished with Manuscript T-11566.

S. L. Hollis
Lieutenant, C&GS

Approved and Forwarded:

S. B. Grenell
Capt., C&GS
Commanding Ship EXPLORER

SHORELINE NOTES

<u>MAP</u>	<u>PHOTO</u>	<u>MAP</u>	<u>PHOTO</u>
T-11322	41959	T-11330	41904
	42095		41906
	46084		41907
	46085		42141
			42171
T-11323	39067	T-11331	41907
	39069		41908
	39082		42138
	42102		42139
T-11326	42102	T-11332	42135
	42103		42136
T-11327	41940		42138
			42139
T-11328	41940 ✓	T-11333	42134
	41941		42135
	42133	T-11334	42147
	42134		42148
	42162 ✓	T-11553	42133
T-11329	42147	T-11566	54-W-2866
	42170		54-W-2872
	42171		54-W-2874

NOTE: T-11537 and T-11538 - photographs with shoreline notes previously submitted.

PHOTO-HYDRO STATIONS

Manuscript
T-11322

Act 46084
Baw 41959
Cad 39072
Dog 41959
Eat 39071
Fal 41960
Gam 41960
Hag 39072
Ink 39072
Jim 39073
Kol 39072
Lip 39072
Ufi

Manuscript
T-11323

Ade 39068
Alp 39067
Bed 39068
Bog 39067
Cub 39068
Cut 39082
Dav 39068
Dud 39082
Eli 39068
Emu 39082
Fem 39068
Gad 39068
Hat 39068
Ira 39068
Jog 39068
Kin 39068
Lid 39068
Mac 39069
Mom 39067
Neo 39067
Nun 39069
Odd 39067
Old 39069
Pie 39069
Pup 39067
Rat 39067
Rex 39069
Set 39069
Shy 39067
The 39067
Tit 39069

Use 39067
Ump 39069
Vet 39067
Wax 39067
Woo 39068
Yon 39068
You 39067
Zig 39068
Zee 39067

Manuscript
T-11327

Ump 42138

Manuscript
T-11328

Ale 41940
Age 42162
Ash 42163
Azo 42135
Bag 42162
Boo 41940
Bar 41940
Bin 42162
Bus 42162
Boy 42135
Com 41940
Can 42135
Cry 42163
Cam 42162
Din 42162
Dif 42162
Dig 42162
Eve 42162
End 42162
Eva 42162
Fir 42162
Fat 42162
Fun 42162
Gaf 41940
Gat 42162
Gus 42162
Hex 41940
Hog 42133
Hat 42162
Haw 42135
Hil 42133
Its 42162
Ivy 42135

Jig 42133
Job 42162
Joe 41940
Jug 42135
Kim 42162
Kit 42135
Kul 42162
Lax 42135
Lye 42162
Mig 42162
Mar 42134
Mun 42135
Mog 42135
Now 42134
Rat 42162
Oak 42135
Out 42134
Pop 41941
Fit 42162
Few 42133
Run 41940
Rag 42134
Rue 42162
Sis 42134
Sob 42162
Tim 41940
Tic 42162
Tub 42134
Una 42162
Via 42134
Val 42162
Wac 42134
Woe 42162
Yuk 42134
Zem 42134
Zoo 42162
Pad 42162

Manuscript
T-11329

Add 42171
Bah 42171
Cab 42171
Del 42171
Ego 42171
Edi 42171
Fed 42171
Fal 42171
Goo 42171
Gra 42171

Poi 42171
Sac 42171

Manuscript
T-11330

Aim 41905
Abe 42141
Arc 41904
Ask 41906
Ben 41905
Bab 42141
Boa 41905
Bir 41906
Cox 41905
Cob 42141
Cut 41905
Caw 42141
Die 41905
Dan 42141
Dar 42141
Eve 41905
Bel 42141
Fiz 41905
Fox 42141
Gay 41905
Gin 42141
Hem 42171
Hob 41905
Hoy 42141
Icy 42171
Ida 41905
Irk 42141
Jef 42171
Jil 41905
Jon 42141
Kip 42171
Keo 41905
Key 42141
Leg 42171
Len 41905
Les 41905
Lie 42141
Mop 42171
Meg 41905
Mat 42141
May 42171
Nav 41905
Nun 42141
Ole 42171
Own 42141
Oar 42141
Oki 41905
Far 41905
Fac 41906

Pad 42141
Pus 41905
Que 41905
Rug 41905
Ree 41906
Sad 41905
Sic 41906
Tax 41905
Too 41906
Ugo 42142
Vel 41905
Van 41906
Was 41905
Win 42142
Yaw 41905
Yet 42142
Zed 41905
Zim 42142

Manuscript
T-11331

Aid 42139
Any 42140
Ave 42140
Auk 42140
Ann 42140
Bel 42139
Bax 42140
Biz 42140
Bib 42140
Caw 42139
Cuz 42140
Coy 42140
Cog 42140
Den 42139
Ded 42140
Dow 42140
Dix 42140
Erg 42139
Eve 42140
Ear 42140
Egg 42140
Fib 42139
Flo 42140
Fly 42140
Fit 42140
Fee 42140
Gee 42139
Gyp 42140
Get 42140

on T-11329

(cont)

Manuscript
T-11331

Guy ✓ 42138
 Gum ✓ 42140
 Gas ✓ 42140
 Hen ✓ 42139
 Hep ✓ 42139
 Hip ✓ 42140
 Hoe ✓ 42140
 Hug ✓ 42140
 Her ✓ 42140
 Iky ✓ 42139
 Ink ✓ 42139
 Ino ✓ 42140
 Ide ✓ 42140
 Imp ✓ 42140
 Jab ✓ 42139
 Jed ✓ 42139
 Jaz ✓ 42140
 Jag ✓ 42140
 Jen ✓ 42139
 Jan ✓ 42140
 Kis ✓ 42139
 Kof ✓ 42139
 Kam ✓ 42140
 Kil ✓ 42139
 Kay ✓ 42140
 Lum ✓ 42139
 Laf ✓ 42139
 Lev ✓ 42140
 Lav ✓ 42140
 Led ✓ 42139
 Log ✓ 42140
 Lip ✓ 42140
 Mac ✓ 42139
 Mid ✓ 42139
 Mac ✓ 42140
 May ✓ 42140
 Nit ✓ 42139
 Nan ✓ 42140
 Mix ✓ 42140
 Nek ✓ 42139
 Nix ✓ 42138
 Nap ✓ 42140
 Nik ✓ 42140
 Nil ✓ 42139
 Not ✓ 42140
 Nod ✓ 42139
 Nor ✓ 42140
 Ove ✓ 42139
 Owl ✓ 42139
 Oaf ✓ 42140

Ode ✓ 42140
 Odd ✓ 42140
 Org ✓ 42139
 Obi ✓ 42140
 Fea ✓ 42139
 Pow ✓ 42138
 Fab ✓ 42140
 Fay ✓ 42140
 Pam ✓ 42139
 Peg ✓ 41907
 Pep ✓ 42139
 Pat ✓ 42140
 Quo ✓ 42140
 Rib ✓ 42139
 Rug ✓ 42138
 Rap ✓ 42140
 Rin ✓ 42140
 Rav ✓ 41907
 Rim ✓ 42139
 Rig ✓ 42140
 Sal ✓ 42139
 See ✓ 42139
 Sat ✓ 42140
 Sag ✓ 42140
 Sol ✓ 42140
 Sax ✓ 42139
 Sam ✓ 41907
 Ton ✓ 42139
 Tag ✓ 42139
 Thy ✓ 42140
 Tog ✓ 42140
 Tap ✓ 42139
 Tea ✓ 41907
 Ugo ✓ 42139
 Urn ✓ 42139
 Vie ✓ 42139
 Vip ✓ 42139
 Viv ✓ 42140
 Von ✓ 41908
 Vin ✓ 41907
 Way ✓ 42139
 Wee ✓ 42138
 Vow ✓ 42140
 Wet ✓ 41908
 Wat ✓ 42139
 Who ✓ 41907
 Yip ✓ 42139
 Yea ✓ 42140
 You ✓ 41908
 Yam ✓ 41907
 Zec ✓ 42139

Zap ✓ 42140
 Zip ✓ 42140
 Kum ✓ 42140

Manuscript
T-11332

Act ✓ 42136
 Amy ✓ 42135
 Bes ✓ 42138
 Bid ✓ 42136
 Buy ✓ 42135
 Cul ✓ 42138
 Gur ✓ 42136
 Dev ✓ 42139
 Daw ✓ 42136
 Don ✓ 42136
 Bon ✓ 42139
 Elm ✓ 42138
 Eba ✓ 42136
 Fie ✓ 42139
 Fig ✓ 42138
 Fur ✓ 42136
 Gig ✓ 42139
 Gob ✓ 42138
 Gel ✓ 42136
 Hex ✓ 42138
 His ✓ 42136
 Har ✓ 42134
 Ion ✓ 42138
 Ike ✓ 42136
 Jar ✓ 42138
 Jax ✓ 42136
 Kim ✓ 42138
 Ken ✓ 42136
 Lit ✓ 42138
 Loc ✓ 42136
 Mal ✓ 42138
 Noe ✓ 42136
 Rib ✓ 42136
 Ora ✓ 42136
 Put ✓ 42136
 Rye ✓ 42136
 Sin ✓ 42136
 Tad ✓ 42136
 Vow ✓ 42135
 Wag ✓ 42135
 Tel ✓ 42135
 Cal ✓ 42136

Manuscript
T-11333

Dry ✓ 42135
 Elk ✓ 42135
 Toe ✓ 42136
 Oib ✓ 42135
 Fly ✓ 42135
 Bun ✓ 42135
 Sri ✓ 42135
 Try ✓ 42135
 Tot ✓ 42135

Manuscript
T-11334

Arc 42148
 Bun 42148
 Dev 42146
 Fry 42146
 Gun 42146
 Has 42146
 Ina 42146
 Jud 42146
 Pax 42148
 Rit 42148
 Sky 42148
 Tod 42148
 Uno 42148
 Vex 42148
 Wan 42148
 Yes 42148
 Zag 42148

Manuscript
T-11537

Ate 46079
 Bif 46079
 Cue 46067
 Die 46067
 Fed 46068
 Gar 46068
 Fay 46078
 Raz 46078
 She 46078
 Sav 46068
 Try 46079
 Ump 46079
 Vic 46079
 Won 46079
 Yip 46079
 Zed 46079

Manuscript
T-11538

Add 46065
 Arc 46078
 Baw 46065
 Ben 46077
 Cab 46065
 Ouz 46077
 Dad 46065
 Dye 46078
 Bat 46065
 Emu 46078
 Fal 46065
 Flo 46078
 Gad 46073
 Gyp 46078
 Hag 46073
 Hum 46078
 Icy 46065
 Ira 46078
 Jab 46073
 Kak 46073
 Knob 46078
 Lam 46073
 Loo 46077
 Mom 46077
 Mug 46073
 Nun 46073
 Nik 46077
 Oaf 46073
 Old 46077
 Per 46073
 But 46073
 Sap 46073
 Ten 46078
 Use 46078
 Vel 46078
 Was 46078
 Yak 46077
 Zig 46078

Manuscript
T-11548

None

Manuscript
T-11549

None

Manuscript
T-11553

None

Manuscript
T-11554

None

Manuscript
T-11566

Ave	54-W-2866
Cue	* 2866
Did	* 2866
Est	* 2866
Fog	* 2866
Gar	* 2866
Hit	* 2866
Ish	* 2872
Kal	* 2873
Lak	* 2873
Noo	* 2873
Est	* 2873
Oba	* 2873
Pas	* 2873
Ret	* 2873
Sap	* 2873
Ten	* 2873
Ura	* 2873
Vue	* 2873
Tak	* 2874*
Zoo	* 2874*

* See side heading 15.

PHOTOGRAMMETRIC PLOT REPORT
Project 7-6034 (PH-34) Adak Island
Scale 1:20,000

AREA COVERED:

Two final radial plots were assembled of Adak Island. The final radial plot completed in 1954 covers manuscripts T-11324, T-11325, T-11329 and T-11334 on the west side of the island. The nine topographic manuscripts included in the subject plot cover the remainder of the island, Kagalaska Island and the west side of Little Kanaga Island.

The manuscript Nos. are:

T-11322 (Advance)	T-11326 (Advance)	T-11330 (Advance)
T-11323 "	T-11327 "	T-11331 "
	T-11328 "	T-11332 "
		T-11333 "

22. METHOD:

The subject plot is actually comprised of two current separate plots covering the nine manuscripts listed in Section 21 above. The plots were assembled separately to facilitate compilation with the Reading plotters. The report covers both plots.

A preliminary radial plot covering the same nine manuscripts included in the subject final plot was assembled in March 1955. The manuscripts for the preliminary plot were ruled with polyconic projections and UTM Zone-1 grids. The same nine-lens metal mounted photographs were used in both the preliminary and final plots. The preliminary plot positions were not drilled. After completion of the plot assembly the points were circled on the back of the manuscripts. Master calibration templates were used in preparing templates for the preliminary plot. These templates were reused in the final plot after the addition of field identified horizontal control.

The final plot was drilled from the top and circled on the back of the manuscripts.

In some instances duplicate bases exist, the compilations being on manuscripts other than those used in the plots:

T-11322:

The base manuscript used in the preliminary plot was reused in the final plot. This manuscript was not used for a preliminary compilation.

T-11323:

The same manuscript was used in both plots. Field inspection data was applied to the preliminary details during final compilation.

T-11327 and T-11332:

The Baltimore Office assembled a radial plot on field identified control and compiled (field inspection of 1955 line and alongshore details available) the Kagalaska Strait area of the manuscripts. The nine-lens positive photographs used in the plot are duplicates of the metal-mounted photographs used in the Washington Office preliminary and final plots. New manuscripts for T-11327 and T-11332 were ordered for use in the Washington Office preliminary plot. The two plots were assembled on the same field identified-control and are substantially in agreement.

Preliminary shorelines were added to the Baltimore manuscripts to extend the shoreline details to the limits of the manuscripts for use in field work.

The bases used in the preliminary plot were reused in the final plot. The positions established in the final are substantially in agreement with the Baltimore Office plot. The 1955 field inspection data were applied to the areas of preliminary compilation on the Baltimore Office manuscripts.

T-11328:

A new manuscript was ordered for the final plot. This manuscript was used for the compilation.

T-11330:

A new manuscript was ordered for the final plot. Since the two plots were in agreement the preliminary compilation was accepted. Field inspection was applied to the preliminary compilation.

T-11331:

Same as T-11330.

T-11333:

The plot was assembled on the preliminary manuscript. Field inspection was applied to the preliminary compilation.

The template for tilted photographs Nos. 41960, 41961 and 41962 was not laid while assembling the radial plot. Map positions of photograph points were printed on these templates after the plot was disassembled.

As mentioned in the Baltimore Office radial plot report photographs Nos. 42157 and 42195 were tilted. The templates for these photographs were the last laid in the area during the radial plot assembly.

23. ADEQUACY OF CONTROL:

The sketch included with the radial plot report shows the density and distribution of horizontal control.

44 of the 52 field identified horizontal control stations were held within 0.3mm. Field identified control stations were held in the vicinity of the 8 field identified control stations not held during radial plotting.

24 of the 25 office identified control stations were held in the plot.

The stations not held are indicated on plot report sketch.

24. SUPPLEMENTAL DATA:

Office identified hydrographic stations SET and DOT (Topographic Survey T-7035a) were used as horizontal control for the radial plot.

25. PHOTOGRAPHY:

The photography was adequate for radial plotting. Tilted photographs are mentioned in Section 22 (METHOD).

Approved:

Submitted:

E. N. Maki

Supervisory Cartographer

S. G. Blankenbaker

Cartographer (Photogrammetry)

T-11322; T-11323; T-11326; T-11327; T-11328;
T-11330; T-11331; T-11332; T-11333

List of horizontal control stations showing the measured difference in millimeters between the plotted position and the radial plot position

T-11322

(1) Sub. Pt. JIT (USN), 1933	field identified	held
(2) Sub. Pt. ACORN, 1955	"	held

T-11323

(1) LORA, 1947	office identified	0.2mm
(2) OLD RADAR TOWER, 1948	"	held
(3) BAT-2, 1945	"	0.2mm
(4) SET (hydro)	"	held
(5) DOT (hydro)	"	0.2mm
(6) WATER TOWER, 1945	"	held
(7) HED (USN), 1934	"	held
(8) HIE (USN), 1934	"	held
(9) ZETO PT. BEACON, 1945	"	0.2mm
(10) TANK, 1955	field identified	held
(11) BALSA, 1955	"	0.2mm
(12) CLAM (USN), 1934	office identified	0.2mm
(13) Sub. Pt. CLAM (USN), 1934	field identified	held
(14) AL-29 (USN), 1933	office identified	held
(15) KEY (USN), 1943	field identified	held
(16) BEAM (USE), 1944	"	held
(17) RADIO MAST, 1955	"	held

T-11326

(1) PIT, 1945	office identified	held
(2) ELEVEN, 1945	"	held
(3) HALF, 1945	"	0.3mm
(4) FINGI, 1945	"	held
(5) CONTROL TOWER, 1943	"	held
(6) CREEK, 1946	"	held
(7) BARD, 1945	"	held
(8) DAN, 1943	"	0.7mm
(9) ONE, 1945	field identified	held
(10) HED, 1945	"	2.0mm
(11) SCAB, 1945	"	held
(12) FRONT BARRACKS, 1943	"	held
(13) Sub. Pt. BARD, 1945	"	held

T-11327

(1) HOGAN, 1946	field identified	held
(2) Sub. Pt. BIGHT, 1933	" "	0.3mm
(3) Sub. Pt. CAMP, 1945	" "	0.5mm
(4) NOB (USN), 1933	" "	0.6mm
(5) Sub. Pt. DEW-2	" "	1.0mm
(6) Sub. Pt. SAE, 1933	" "	held
(7) PIL (USN), 1934	" "	held
(8) Sub. Pt. RID (USN), 1933	" "	0.2mm
(9) Sub. Pt. JAL (USN), 1933	" "	0.2mm
(10) Sub. Pt. BAW-2, 1943	" "	0.2mm
(11) BLIND, 1945	" "	held
(12) RF-2, 1945	" "	0.6mm

T-11328

(1) LITTLE TANAGA (USN), 1934	field identified	0.2mm
(2) RMPI LALA, 1946	" "	1.5mm
(3) DYE (USN), 1934	" "	0.3mm
(4) ICE (USN), 1934	" "	held
(5) TEL (USN), 1934	" "	0.2mm
(6) FOUL, 1933	" "	held
(7) Sub. Pt. REM (USN), 1934	" "	0.3mm
(8) JULY, 1955 (TOPO)	" "	held
(9) S. Pt. GUL (USN), 1934	" "	held
(10) Sub. Pt. GOMEY, 1953	" "	held
(11) Sub. Pt. QUAIL, 1953	" "	0.3mm

T-11330

(1) BEY (USN), 1943	office identified	0.3mm
(2) LOW (USN), 1943	" "	held
(3) CHAP (USN), 1942	" "	held
(4) P-030	field identified	held
(5) BUCK, 1954	" "	held
(6) CAME, 1954	" "	0.4mm
(7) (Sub. Pt. #2) CAME, 1954	" "	0.3mm
(8) FANG, 1955	" "	0.4mm
(9) KAG, 1943	office identified	held
(10) Sub. Pt. KAG, 1943	field identified	0.7mm
(11) S. Pt. GULF, 1955	" "	held

T-1131

(1)	DAK (USE), 1943	office identified	0.2mm
(2)	Sub. Pt. DAK (USE), 1943	field identified	0.2mm
(3)	HID (USE), 1943	" "	0.2mm
(4)	DEN (USE), 1943	office identified	held
(5)	NEZ (USE), 1943	" "	1.0mm

T-1132

(1)	Sub. Pt. SPAGE, 1953	field identified	held
(2)	Sub. Pt. MURK, 1953	" "	held
(3)	SPUD, 1945	" "	0.2mm
(4)	BAKE, 1953	" "	0.2mm
(5)	BOOT (USE), 1945	" "	0.2mm
(6)	ABLE, 1953	" "	held

T-1133

(1)	Sub. Pt. RAGGY, 1953	field identified	0.2mm
-----	----------------------	------------------	-------

ANNUAL PLOT SKETCH

Field identified transpiration site held #

● Office - " "

○ Field - " not held

△ Office - " "

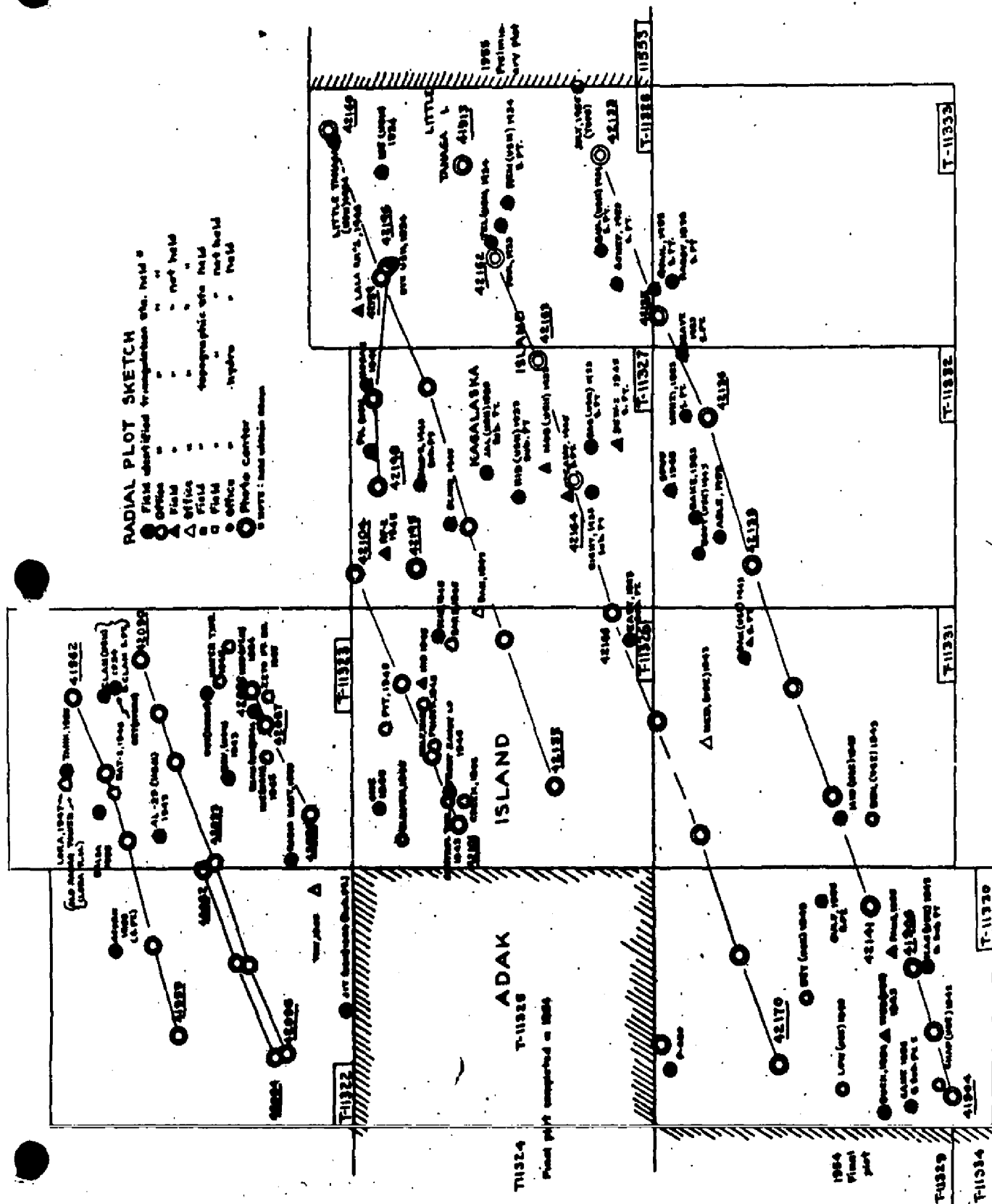
▽ Field - topographic site held

□ Field - " not held

⊙ Office - hydro - field

◎ Photo Center

NOTE : hold indicates stream



MAP T. 11330

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.00

STATION	Descr. SOURCE OF INFORMATION (INDEX) Page	NA 1927 DATUM GP	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)			FORWARD	(BACK)	FORWARD	(BACK)
500 ft. CHAP (USE) 1943	7	195	51-38-00.162 176-48-16.583	5.0	(1849.4)						
WED (USE) 1943	7	195	51-39-15.580 176-46-18.644	481.5	(1372.9)						
765 ft. LOW (USE) 1943	6	195	51-40-22.359 176-48-29.974	691.0	(1163.4)						
1650 ft. BEY (USE) 1943	6	194	51-41-21.109 176-44-59.753	652.4	(1202.0)						
BUCK 1954	Field Compu- tations	NA 1927	51-39-15.108 176-49-26.242	466.9	(1387.4)						
CANE 1954	"	"	51-38-34.668 176-49-28.424	1071.4	(782.9)						
P-030 (Pk)	"	"	51-44-43.558 176-47-41.995	1346.2	(508.1)			1954 work			
P-031 (Pk)	"	"	51-42-12.775 176-47-11.317	805.7	(345.4)			"	"		
P-029 (Pk)	"	"	51-44-35.349 176-45-46.055	394.8	(1459.5)			"	"		
430 ft. KAG, USE, 1943	"	"	51-38-16.043 176-43-45.510	217.3	(934.8)			"	"		
				1092.5	(761.9)						
				883.6	(267.6)						
				495.8	(1358.6)						
				875.2	(278.7)						

1 FT. = 3048006 METER

COMPUTED BY L. C. Lande

DATE February 1954

CHECKED BY Wm. Randall

DATE February 1954

M. 2368-12

MAP T-11331

PROJECT NO. Ph-34

SCALE OF MAP 1:20,000

SCALE FACTOR 1.0

[illegible]

1 FT. = 3048006 MICRONS

COMPUTED BY: C. O. DeMarr

DATE 7 January 1955

CHECKED BY: J. F. Hundley

DATE 12 January 1955

M-2388-1

MAP T-11332

PROJECT NO. Ph-34

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	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
✓ BOOT (USE) 1943 Elev 180.44	G-6834 Pg. 192	N.A. 1927	51 43 56.221 176 27 54.108			1737.6 (116.8)	
✓ ABLE, 1953 Elev. 10 ft.	Unadj. Field V Pos. 820	"	51 43 31.184 176 26 49.557			1038.4 (113.1) 967.2 (897.2) 951.8 (200.4)	
✓ BAKE, 1953 Elev. 102 ft.	" "	"	51 44 04.115 176 26 30.980			1275.5 (1727.2) 594.5 (556.5)	
BALDY, 1953 Elev. 31 ft.	" 818	"	51 44 17.935 176 19 00.975	(11333)		554.3 (1300.1) 18.3 (1132.6)	
Sub Point BADLY, 1953 BALDY	"	"	51 44 176 19			530.2 (1324.2) 25.5 (1125.8)	
✓ BRAVE, 1953 Elev. 1539 ft.	Unadj. Field V Pos. 818	"	51 44 34.596 176 20 34.100			1068.2 (785.2) 654.3 (496.8)	
Sub Point BRAVE, 1953	"	"	51 44 176 20			1063.4 (791.0)	
✓ CODES, 1953 Elev. 23 ft.	Unadj. Field V Pos. 819	"	51 44 24.900 176 21 41.847			637.0 (514.2) 768.8 (1084.6) 803.6 (348.3)	
Sub Point CODES, 1953	"	"	51 44 176 21			757.4 (1097.0)	
✓ CHAR, 1953	Unadj. Field V Pos. 820	"	51 44 16.154 176 26 08.559			815.5 (335.8) 508.5 (1345.8) 164.8 (987.1)	16F
✓ DOUB, 1953 Elev. 62 ft.	"	"	51 43 47.378 176 27 08.959			1464.3 (396.1) 240.6 (946.5) 191.1 (966.5)	Replot
✓ HUMP, 1945 Elev 178'	G-6834 Pg. 192	"	51 44 25.802 176 26 19.899			797.4 (1057.0) 381.8 (769.5)	

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE 12/30/53

CHECKED BY: A. Queen

DATE 1/4/54

M-2388-12

MAP T. 11332 PROJECT NO. Ph-34 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
LAST 2, 1945 ✓ Elev 125'	G-6834 Pg. 192	N.A. 1927	51 176	44 23	11.032 41.529			341.0 796.9	(1513.4) (354.5)	
MUNZI, 1953 ✓ Elev. 94 ft	Unadj. Field Comp. 818	"	51 176	43 22	59.097 33.972			1826.5 652.0	(27.9) (499.5)	
Sub Point MUNZI, 1953		"	51 176	43 22				1850.9	(3.5)	
✓ RAGGY, 1953 Elev. 668 ft	"	"	51 176	44 17	35.660 31.741	EAST OF SURVEY T-11333		640.4 1102.1	(511.1) (752.3)	
Sub Point RAGGY, 1953		"	51 176	44 17		EAST OF SURVEY T-11333		609.0 1106.2	(542.2) (748.2)	
✓ SPUD, 1945	G-6834 Pg. 193	"	51 176	44 25	30.874 33.986			621.3 954.2	(529.9) (900.2)	
✓ SHARE, 1953 Elev. 92 ft	Unadj. Field Comp. 818	"	51 176	43 20	43.236 48.354			652.1 1336.3	(499.1) (518.1)	
Sub Point SHARP, 1953		"	51 176	43 20				928.2 1329.1	(223.5) (525.3)	
SWING, 1953 Elev 13 ft	Unadj. Field Comp 619	"	51 176	44 22	39.686 52.381			929.3 1226.9	(222.4) (627.5)	
Sub Point SWING, 1953			51 176	44 22				1003.8 1196.7	(147.3) (657.7)	
								1014.5	(136.7)	16G

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE 12/30/53

CHECKED BY: A. Queen

DATE 1/11/54

M-2388-12

MAP T...11333..... PROJECT NO...Ph-34..... SCALE OF MAP...1/20,000..... SCALE FACTOR...1.0.....

[illegible]

DATE 12 January 1955

COMPILATION REPORT
T-11330, 11331, 11332, 11333

31. DELINEATION:

Shoreline and foreshore features were delineated on the map manuscripts by graphic methods. Field inspection was available for these surveys. A section of vinylite work sheet material was superimposed over the photo having the most nearly true map scale and clarity of image detail, and the shoreline was traced while being observed stereoscopically.

The interior detail and contours were delineated on the Reading Nine-Lens Plotters using rectified metal mounted photos. No interior field inspection was available.

32. CONTROL:

Photogrammetric
See ~~radial~~ plot report.

33. SUPPLEMENTAL DATA:

Single lens 11th Air Force photos, taken June-July, 1943, 1:23,000 scale.

34. CONTOURS AND DRAINAGE:

The single lens photos listed in Paragraph 33 were used to delineate small areas of contours where dense shadows or clouds appeared on the nine-lens photos.

35 and 36. SHORELINE, ALONGSHORE AND OFFSHORE DETAILS:

Shoreline inspection was generally adequate with the exception that shadow areas were not field delineated in every instance. These areas were delineated with the supplemental photos listed in Paragraph 33.

37. LANDMARKS AND AIDS - NONE

38. CONTROL FOR FUTURE SURVEYS:

A complete list of photo-hydro stations for each map is included in the 1955 field inspection report submitted by S. L. Hollis. On T-11330, four photo-hydro stations, Maw, Lax, Jeb and Ham in South Arm, are from 1954 field inspection data.

39. JUNCTIONS:

Junctions have been made with all adjoining surveys.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to the photogrammetric plot report.

46. COMPARISON WITH EXISTING MAPS:

T-6941	1:40,000	1933 (Sheet No. 12)
T-6942		1933 (305610-154)
Adak Alaska	USGS 1:250,000	
Adak Island	1:25,000, 1943, Sheets 8, 9 and 10,	
	Corps of Engineers	

47. COMPARISON WITH NAUTICAL CHARTS:

9141	1:30,000, corrected to 9/29/52
9193	1:20,000 " " 7/5/52

Submitted:

Louis Levin
Louis Levin
Supervisory Cartographer

Approved:

K. N. Maki
K. N. Maki
Supervisory Photogrammetric Engineer

Survey No.

T 11330

Name on Survey

Names approved
7-31-56
A. J. W.

GEOGRAPHIC NAMES

Survey No.

T 11331

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		
Boot Bay										1
Camel Cove										2
Crone Island										3
Elf Island										4
Pacific Ocean										5
Hidden Bay										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
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										18
										19
										20
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										22
										23
										24
										25
										26
										27

Names approved
7-31-56
A.J.W.

T-11332

Geographic Names.

Adak Island
Alaska
Aleutian Islands

Boat Bay
Boat Point

Kaga Point
Kagalaska Island
Kagalaska Strait

Pacific Ocean

Sharp Cape

Names approved 9-4-56.
L. Heck.

T-11333.

Geographic Names.

Alekh

Aleutian Islands

Kagalaska Island

Little Tanaga Strait

Pacific Ocean

Quail Bay

Ragged Point

Names approved 9-4-56.
L. Heck

History of Hydrographic Information for T-11330

Hydrography was added to the map manuscript in accordance with AMS Technical Instructions.

Depth curves and soundings are in fathoms at mean ^{lower} low water and originate with the following:

H-8238 1:20,000 (with inset of 1:5,000) 1955

H-6888 U.S.N. 1:10,000 1933 (for "South Arm" only)

Hydrography was compiled by J. J. Streifler and verified by Nautical Charts in August 1956.

J. J. Streifler

History of Hydrographic Information
for T-11331

Hydrography was applied to the manuscript of this quadrangle in accordance with AMS specifications.

With relatively deep water at the shoreline depth curves of less than 10 fathoms could not be delineated.

Soundings and depth curves in fathoms at Mean Lower Low Water datum and originate from the following C&GS hydrographic surveys:

H-8238	1:20,000	1955
H-8239	1:20,000	1955

Hydrography was compiled by L. Martin Gazik and checked by O. Svendsen.


L. Martin Gazik
Photogrammetry Division
8 August 1956

History of Hydrographic Information
T-11332

Hydrography was applied to the manuscript of this quadrangle in accordance with AMS specifications.

^{Few} Ten depth curves of less than 10 fathoms were delineated due to deep water near the shoreline. Soundings and depth curves in fathoms at mean ^{low} water datum were compiled from the following C&GS hydrographic sources:

H-8071	1:10,000	1953
H-8239	1:20,000	1955
H-8235	1:40,000	1955

Surveys H-8071 and H-8239 are unverified and subject to change.

Hydrography checked by:
Nautical Charts - Sept. 1956

Hydrography compiled by
S. G. Blankenbaker
S. G. Blankenbaker
Photogrammetry Division
Sept. - 1956

History of Hydrographic Information for T-11333

Hydrography was added to the map manuscript in accordance with AMS Technical Instructions.

Depth curves and soundings are in fathoms at mean ^{lower} low water and originate with the following:

H-8239 1:20,000 1955

Blueprints 52897 and 52898, 1:20,000 of H-8240, 1955

H-8235 1:40,000 1955

Hydrography was compiled by J. J. Streifler and verified by Nautical Charts in September 1956.

J. J. Streifler

In reply address not the
signer of this letter, but
the Commander, Alaskan
Sea Frontier.

HEADQUARTERS
ALASKAN SEA FRONTIER
NAVY No. 127 (BOX 14) % POSTMASTER
SEATTLE, WASHINGTON

REFER TO FILE
NO FF15-1/32
SERIAL 482

From: Commander, Alaskan Sea Frontier
To: U. S. Coast and Geodetic Survey

Subj: Security Review of Classified Areas; declassification of

Ref: (a) U. S. Coast Geodetic Survey ltr 734-cfl of 6 July 1956
(b) U. S. Coast Geodetic Survey ltr 734-cfl of 25 July 1956

1. References (a) and (b) requested examination of three (3) manuscripts to possibly permit declassification, so that the charts might be made available for general distribution.
2. Concurrence has been received by this command from the Commanding Officer, U. S. Naval Station, Adak, Alaska, that the subject areas should be unclassified.
3. It is recommended that the entire manuscripts Nos. T-11330, T-11331, and T-11323 be unclassified.
4. In view of the foregoing, this command will retain custody of the manuscripts and, subject to concurrence of your office, will destroy same rather than dispatch the manuscripts themselves.

GEORGE B. RASER
By direction

Review Report
Topographic Map T-11330
August 1956

62. Comparison with Registered Topographic Surveys:

T-6941 U.S.N. 1:40,000 1933
T-6942 U.S.N. Rec. no scale 1933

Differences exist between these surveys. T-11330 with adequate control and completely detailed topographic survey is to supersede the above surveys for nautical charting purposes for common areas.

63. Comparison with Maps of other Agencies:

Adak Island (Sheets 3,4,7 and 8 of 10) AMS 1:25,000 1943

There is, generally good agreement in the topographic features of these two surveys. Shoreline and foreshore differ considerably, partially because of a difference in datum (local datum on AMS Maps). T-11330 appears more completely detailed, and will be printed by AMS to replace previous publication.

64. Comparison with Contemporary Hydrographic Surveys:

H-6888 U.S.N. 1:10,000 1933
H-8238 1:20,000 1955

Advance shoreline of T-11330 was furnished for Hydrographic Survey H-8238. In addition, Shoreline Survey T-11566 1:5,000 was accomplished to furnish shoreline and alongshore details for inset of hydrographic survey 8238 of Chapel Cove and Chapel Roads at scale 1:5,000. All surveys are in good agreement.

65. Comparison with Nautical Charts:

9121 Insets of 1:10,000 and 1:20,000 corrected to
52 - 8/25

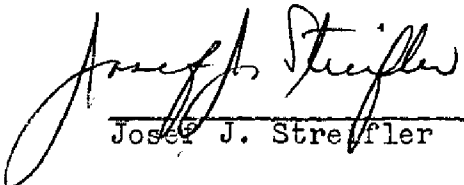
9193 1:120,000 corrected to ~~52 1/20~~ 54 7/5

Differences exist between T-11330 and the listed Nautical Charts. Results of subject topographic survey and shoreline survey T-11566 will be applied to these nautical charts prior to next printing.

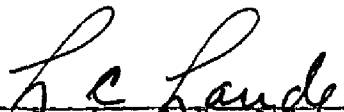
66. Adequacy of Results and Future Surveys:

Field inspection did not include interior features and not all offshore features were completely inspected. Minor errors in office interpretation may exist. Other than these, no deficiencies in accuracy and adequacy were indicated.

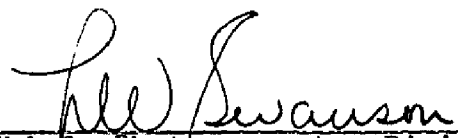
Reviewed by:


Joseph J. Streifler

Approved:


Chief, Review & Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Division
13 Aug 1958 

Chief, Coastal Surveys

Review Report T-11331
Topographic Map
29 August 1956

62. Comparison with Registered Topographic Surveys

T-6941 (Topographic) 1:40,000 1933
T-6942 (Shoreline) 1:54,000 (approx.) 1933

Topography on T-6941 is indicated with form lines.

The shoreline and topography of CAMEL Cove and vicinity on T-11331 is more completely developed and supersedes the above surveys in this area.

63. Comparison with Maps of Other Agencies

Adak I. (Sheet 9 of 10) C. of E. 1:25,000 1943
Adak, Aleutian Islands A.M.S. 1:250,000 1954

The Corps of Engineers' map is based on grid coordinates, horizontal and vertical datums other than those used by the present survey. The topography of the C.E. map is shown with a 20-foot contour interval.

Shoreline and offshore detail on T-11331 shows more development than is found on the C. E. map.

The A.M.S. map is a copy of the Adak map at 1:250,000 scale compiled by USGS in 1951.

64. Comparison with Contemporary Hydrographic Surveys

~~H-8788~~ ~~1:20,000~~ ~~1953~~
~~H-8789~~ ~~1:20,000~~ ~~1953~~
Shoreline field inspection data for T-11331 was obtained in 1953-55 at the time the above hydrographic surveys ~~was~~ ~~were~~ made. Shoreline delineation on the preliminary map T-11331 was applied to the above hydrographic surveys and due to deep shadows and displacement of features some of the shoreline was incomplete. During the final compilation the shoreline was completed with the aid of Air Force photographs of the area taken in 1943.

65. Comparison with Nautical Charts

Chart 9193 1:120,000 1953

The form lines shown on Chart 9193 were obtained from the 1933 topographic survey listed in paragraph 62 above.

The shoreline, offshore detail and topography shown with contours on T-11331 supersedes all previous surveys for future nautical chart revision and construction.

66. Adequacy of Manuscript

This ~~hydrographic~~ ^{topographic} survey complies with project instructions and Bureau standards.

Reviewed by:

L. Martin Gazik
L. Martin Gazik

Approved:

L. C. Landy
Chief, Review & Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

L. W. Swanson
Chief, Photogrammetry Division

Chief, Coastal Surveys

13 Aug. 1958

Review Report
Topographic Survey T-11332
September 1956

62. Comparison with Registered Topographic Surveys -

P-6941	1933	1:40,000
P-6940	1934	1:40,000

These surveys are ~~to be~~ superseded by T-11332 for nautical charting.

63. Comparison with maps of other agencies -

Adak Island (Sheet No. 10 of 10)	1943,	1:25,000
Kagalaska Island	1943	1:25,000

The AMS maps are based on local horizontal datum. The vertical datum is ocean surface at time of photography. There are numerous differences in alongshore features.

64. Comparison with Contemporary Hydrographic Surveys -

H-8071 1:10,000 1953

The shoreline and alongshore planimetry were transferred to the Hydro. Smooth Sheet from T-11332 prior to the compilation of topography in the Stereo. Instrument Section. No changes in shoreline or alongshore planimetry were made on T-11332 in this area during instrument compilation or review. The lake north of Kaga Point differs in configuration as shown on the two surveys.

H-8239 1:20,000 1955

The shoreline and alongshore planimetry were transferred to the Hydro Smooth Sheet from T-11332 prior to the compilation of topography in the Stereo Instrument Section. The change in configuration of rocks (lat. $51^{\circ}44'$ - long. $176^{\circ}29'$), the addition of the kelp area near Boot Point and the change in rock configuration at hydro station Hex are shown in red on T-11332.

65. Comparison with Nautical Charts -

9141 1:30,000 corrected to 52 9/29

Differences in alongshore features exist.

66. Adequacy of Results and Future Surveys

This survey is adequate for Bureau requirements. No significant deficiencies in accuracy and adequacy were indicated.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved:

L. C. Landy

Chief, Review & Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

H. W. Swanson

Chief, Photogrammetry Division

Chief, Coastal Surveys

13 Aug. 1958

MS

Review Report
Topographic Map T-11333
September 1956

62. Comparison with Registered Topographic Surveys

T-6940 U.S.N. 1:40,000 1934

T-11333 supersedes the above survey for nautical charting of common areas.

63. Comparison with Maps of other Agencies

Kagalaska Island AMS 1:25,000 1943

The topographic features between these two surveys are in good agreement, generally. Shoreline and foreshore detailing differ considerably.

64. Comparison with Contemporary Hydrographic Survey

H-8235 1:40,000 1955

H-8239 1:20,000 1955

All surveys are in good agreement.

65. Comparison with Nautical Charts

9141 1:30,000 corrected to 52 9/29

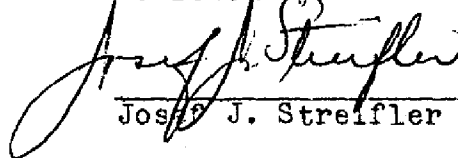
9193 1:120,000 " to 54 7/5

There are no major discrepancies between these surveys.

66. Adequacy of Results and Future Surveys

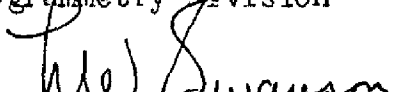
Field inspection of shoreline and offshore features appeared adequate. Interior detailing by office interpretation only. No deficiencies in accuracy and adequacy are indicated.

Reviewed by:


Joseph J. Streifler

Approved:


Chief, Review & Drafting Sec.
Photogrammetry Division


Chief, Photogrammetry Division

13 Aug 1958


Chief, Nautical Chart Branch,
Charts Division


Chief, Coastal Surveys

SURVEY NO. T. 11330

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.

33

of in

$$\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} \frac{d}{dt} \right) = \frac{1}{2} \frac{d^2}{dt^2}$$

100

— — —

SURVEY NO. T. 11332

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. 11333

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.