

11326

Diag. Cht. No. 8863-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-34 Office No. T-11326

LOCALITY

State Alaska

General locality Aleutian Islands

Locality Adak Island - Sweeper Cover to
Scabbard Bay

19453-55

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE September 15, 1958

11326

Partial application to Chart 9141 - consider final until
chart is reconstructed

JFE
1/13/61

Partial application to CHT 9119 - consider final until
chart is reconstructed

11-6-62
WHW

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

~~CONFIDENTIAL~~

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

Subject: Security Review of Classified Areas; declassification of

Ref: (a) U. S. Coast and Geodetic Survey ltr 734-aal of 20 Aug 1956
(b) U. S. Coast and Geodetic Survey ltr 734-ukl of 30 Aug 1956

1. Reference (a) and (b) requested examination of manuscripts No. T-11326 and No. T-11327 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 manuscripts No. T-11326 and No. T-11327 be unclassified. 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

~~CONFIDENTIAL~~

DATA RECORD

T - 11326

Project No. (II): **Ph-34** Quadrangle Name (IV): **Adak Island - Sweeper Cove**

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):
25 February 1954, 16 February 1954, 2 November 1954,
31 October 1955 Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Reading Nine-Lens Plotter**

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): **AUG 27 1956** Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): **6/15/58**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

N.A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):

Lat.: Long.: Adjusted
Unadjusted

Plane Coordinates (IV): State: **UTM** Zone: **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.

DATA RECORD

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

Date: **Summer, 1955**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **From field inspection
and photos listed on Page 4**

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

Date: **10-27-54**

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

Date: **10-27-54**

Control plotted by (III): **J. Battley, W. G. Hale, G. Walker**

Date: **12-6-55**

Control checked by (III): **M. Weber, W. Kachel, D. Carrier,
K. N. Maki**

Date: **12-6-55**

Radial Plot or Stereoscopic

Date:

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

11-18-55

Stereoscopic Instrument compilation (III): **C. Misfeldt**
Planimetry
Contours

Date:

7-20-56

Date:

Manuscript delineated by (III): **C. Misfeldt**

Date: **7-20-56**

Photogrammetric Office Review by (III): **L. Levin**

Date: **7-30-56**

Elevations on Manuscript

Date:

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

7-30-56

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
42100, 1, 2, 3	9-25-53	1:02-1:04	1:20,000	3.1 above MLLW
42154, 5, 6, 7	"	2:33-2:35	"	3.4 " "
42166, 7, 8	"	2:47-2:49	"	3.4 " "

Tide (III)

Reference Station: **Sweeper Cove**
Subordinate Station: " " *
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Range
1.0		3.7

Washington Office Review by (IV):

Date:

Final Drafting by (IV): *J. Dempsey*

Date: *4-3-58*

Drafting verified for reproduction by (IV): *W.O. Hallum*

Date: *5-21-58*

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): **None**

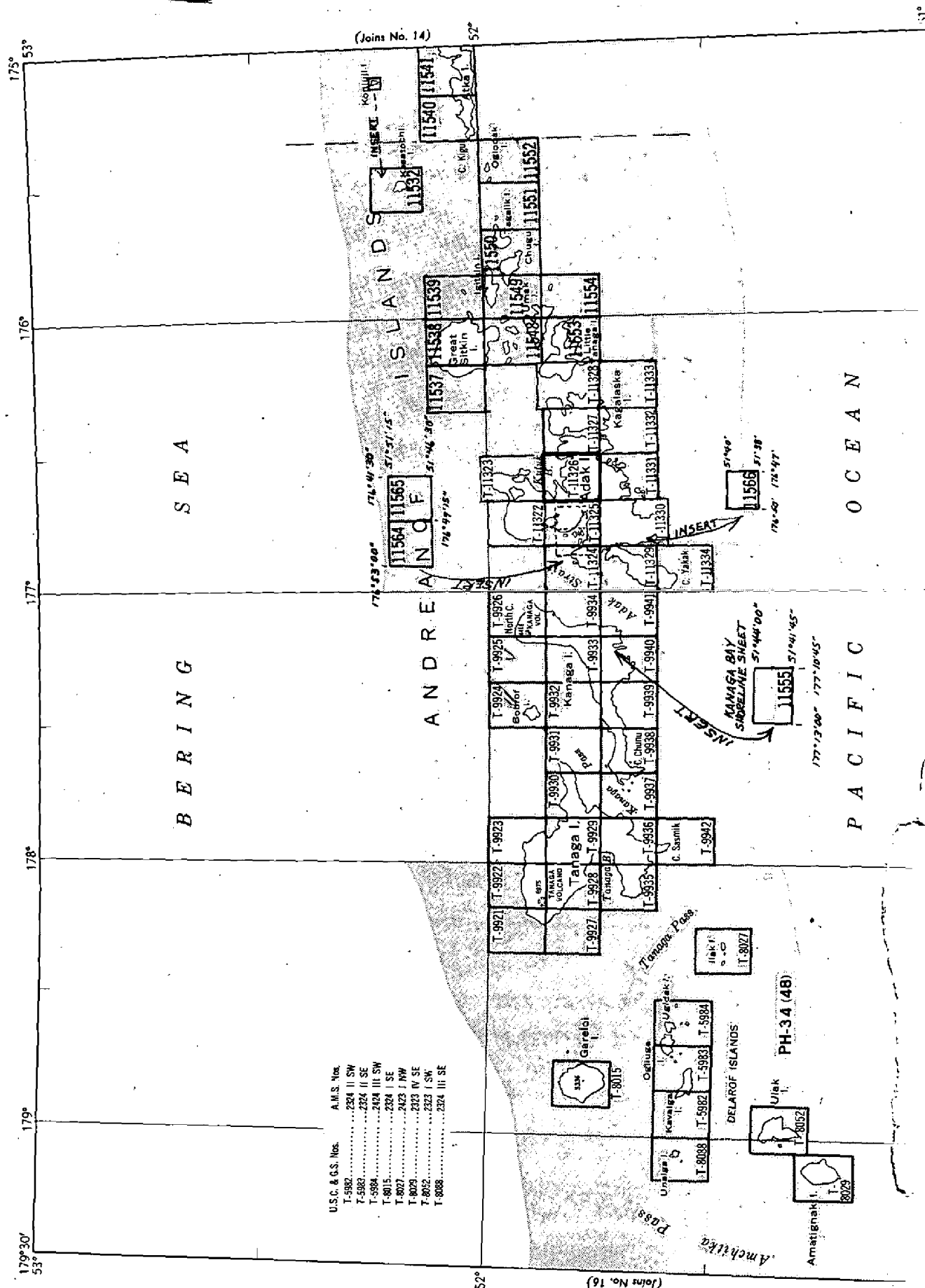
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks: ***All tide data is taken from Sweeper Cove. There is no time differences or ratio of ranges for entire sheet.**

****See Radial Plot Report.**

TOPOGRAPHIC MAPPING PROJECT ~~0034~~ 24050

Aleutian Islands ALASKA Part B



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. Areal 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. Adagdak 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 CLAM(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 Bugle 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 Bugle 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 Kingilak 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 shoreline. 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 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
IORA, 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:

<u>STATION NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
KAG(USE), 1943	T-11330	41906
HID(USE), 1943--(doubtful) see (d)	T-11331	42140
DAK(USE), 1943 " " "	T-11331	42139
EASY(USE), 1943 " " "	T-11326	42138
BEAM(USE), 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-OP)
ICE(USN), 1933	T-11328	41940
EGO(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, ACORN, 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(USE), 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.

ANAGAKSIK(USN), 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>
FANG, 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, Adek, Alaska, and those established during the 1955 field season at Chapel Roads, Elf Island, Cemetery Point, Andrew Bay, and Cape Kiugilik. 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 identified 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(USN), 1934 are unchecked and computed elevations are completely dependent upon accuracy of identification.

(c) Vertical control points were established as follows:

<u>NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
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-11327	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 Pk. A	T-11328	42135
B	T-11327	42164
C	T-11327	41942
D	T-11328	42196
E	T-11328	42196
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.

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 inshore sounding lines are restricted only by foul areas.

(c) Foreshore differences on Adak I. range from flat sand beach as 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, ALEUTIAN 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:

<u>NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO NO.</u>
JULY, 1955	T-11328	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.

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

Other supplemental data:

Transmittal letter dtd.	6/13/55	to Wash.	Pkg #67
"	"	"	" 76
"	"	"	" 77
"	"	"	" 78
"	"	"	" 86
"	"	"	" 89
"	"	"	" 90
"	"	"	" 91
"	"	"	" 96
"	"	"	" 97
"	"	"	" 100
"	"	"	" 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>
Bev	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
S. L. Hollis
Lieutenant, C&GS

Approved and Forwarded:

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

a complete and very excellent report submitted by Lieut. Hollis as the result of a good serious work in photogrammetry for which he was responsible.

SHORELINE NOTES

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

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

PHOTO-HYDRO STATIONS

Manuscript	Use	39067	Jig	42133	Poi	42171	Pad	42141
T-11322	Ump	39069	Job	42162	Sac	42171	Pus	41905
	Vet	39067	Joe	41940			Que	41905
Act	Wax	39067	Jug	42135	Manuscript		Eng	41905
Baw	Woo	39068	Kim	42162	T-11330		Rec	41906
Cad	Yon	39068	Kit	42135			Sad	41905
Dog	You	39067	Kul	42162	Aim	41905	Sic	41906
Eat	Zig	39068	Lex	42135	Abe	42141	Tax	41905
Fal	Zee	39067	Lye	42162	Are	41904	Too	41906
Gam			Mig	42162	Ask	41906	Ugo	42142
Hag	Manuscript		Mar	42134	Ben	41905	Vel	41905
Ink	T-11327		Mum	42135	Bab	42141	Van	41906
Jim			Nog	42135	Boa	41905	Was	41905
Kel	Amp	42138	Now	42134	Bir	41906	Win	42142
Lip			Nut	42162	Cox	41905	Yaw	41905
Ufi	Manuscript		Oak	42135	Cob	42141	Yet	42142
	T-11328		Out	42134	Cut	41905	Zed	41905
Manuscript			Pop	41941	Caw	42141	Zim	42142
T-11323	Ale	41940	Pit	42162	Die	41905		
	Age	42162	Pew	42133	Dun	42141	Manuscript	
Ade	Ash	42163	Rum	41940	Dar	42141	T-11331	
Alp	Azo	42135	Rag	42134	Eve	41905		
Bed	Bag	42162	Rae	42162	Eel	42141	Aid	42139
Bog	Boo	41940	Sis	42134	Fiz	41905	Any	42140
Cub	Bar	41940	Sob	42162	Fox	42141	Ave	42140
Cut	Bln	42162	Tim	41940	Gay	41905	Ank	42140
Dav	Bus	42162	Tic	42162	Gin	42141	Ann	42140
Dud	Boy	42135	Tub	42134	Rem	42171	Bel	42139
Eli	Com	41940	Una	42162	Hob	41905	Bax	42140
Emu	Can	42135	Via	42134	Hoy	42141	Biz	42140
Fem	Cry	42163	Val	42162	Icy	42171	Bib	42140
Gad	Cam	42162	Wac	42134	Ida	41905	Caw	42139
Hat	Din	42162	Woe	42162	Irk	42141	Cuz	42140
Ira	Dif	42162	Yuk	42134	Jef	42171	Coy	42140
Jog	Dig	42162	Zam	42134	Jil	41905	Cog	42140
Kin	Eve	42162	Zoo	42162	Jon	42141	Den	42139
Lid	End	42162	Pad	42162	Kip	42171	Dad	42140
Mac	Eva	42162	Manuscript		Keo	41905	Dow	42140
Mom	Fir	42162	T-11329		Key	42141	Dix	42140
Neo	Fat	42162			Leg	42171	Erg	42139
Nun	Fun	42162	Add	42171	Len	41905	Ewe	42140
Odd	Gaf	41940	Bah	42171	Les	41905	Ear	42140
Old	Gat	42162	Cab	42171	Lie	42141	Egg	42140
Pie	Gus	42162	Del	42171	Mop	42171	Fib	42139
Pup	Hex	41940	Ego	42171	Meg	41905	Flo	42140
Rat	Hog	42133	Edi	42171	Mut	42141	Fly	42140
Rex	Hut	42162	Fed	42171	Nay	42171	Fit	42140
Set	Haw	42135	Fal	42171	Nav	41905	Fee	42140
Shy	Ill	42133	Good	42171	Nun	42141	Gee	42139
The	Its	42162	Gra	42171	Ole	42171	Gyp	42140
Tit	Ivy	42135			Own	42141	Get	42140
					Oar	42141		
					Okri	41905		
					Par	41905		
					Pac	41906		

(cont)

Manuscript T-11331	Ode 42140	Zap 42140	Manuscript T-11333	Manuscript T-11538
Guy 42138	Odd 42140	Zip 42140	Dry 42135	Add 46065
Gum 42140	Org 42139	Kum 42140	Elk 42135	Arc 46078
Gas 42140	Obi 42140	Manuscript T-11332	Foe 42136	Baw 46065
Hen 42139	Pea 42139	Act 42136	Gib 42135	Ben 46077
Hep 42139	Pow 42138	Amy 42135	Ply 42135	Cab 46065
Hip 42140	Pab 42140	Bes 42138	Rnn 42135	Cuz 46077
Hoe 42140	Pay 42140	Bid 42136	Ski 42135	Dad 46065
Hug 42140	Pam 42139	Buy 42135	Try 42135	Dye 46078
Her 42140	Peg 41907	Cul 42138	Tot 42135	Eat 46065
Iky 42139	Pep 42139	Cur 42136	Manuscript T-11334	Emu 46078
Ink 42139	Pat 42140	Dew 42139	Arc 42148	Fal 46065
Izo 42140	Quo 42140	Daw 42136	Bun 42148	Flo 46078
Ide 42140	Rib 42139	Don 42136	Dev 42146	Gad 46073
Imp 42140	Rug 42138	Eon 42139	Fry 42146	Gyp 46078
Jab 42139	Rap 42140	Elm 42138	Gun 42146	Hag 46073
Jed 42139	Rin 42140	Eba 42136	Has 42146	Hnn 46078
Jaz 42140	Raw 41907	Fie 42139	Ina 42146	Icy 46065
Jag 42140	Rim 42139	Fig 42138	Jud 42146	Ira 46078
Jen 42139	Rig 42140	Fur 42136	Pax 42148	Jab 46073
Jam 42140	Sal 42139	Gig 42139	Rit 42148	Kak 46073
Kis 42139	See 42139	Gob 42138	Sky 42148	Knob 46078
Kof 42139	Sat 42140	Gel 42136	Tod 42148	Lam 46073
Kam 42140	Sag 42140	Hex 42138	Uno 42148	Loc 46077
Kil 42139	Sol 42140	His 42136	Vex 42148	Mom 46077
Key 42140	Say 42139	Har 42134	Wan 42148	Mug 46073
Lum 42139	Sam 41907	Ion 42138	Yes 42148	Nun 46073
Laf 42139	Ton 42139	Ike 42136	Zag 42148	Nik 46077
Lew 42140	Tag 42139	Jar 42138	Manuscript T-11537	Oaf 46073
Law 42140	Thy 42140	Jax 42136	Ate 46079	Old 46077
Led 42139	Tog 42140	Kim 42138	Bif 46079	Par 46073
Log 42140	Tap 42139	Ken 42136	Cue 46067	Rut 46073
Lip 42140	Tea 41907	Lit 42138	Die 46067	Sap 46073
Mac 42139	Ugo 42139	Loc 42136	Fed 46068	Ten 47078
Mid 42139	Urn 42139	Mal 42138	Gar 46068	Use 46078
Mao 42140	Vie 42139	Moe 42136	Pay 46078	Vel 46078
May 42140	Vip 42139	Nib 42136	Raz 46078	Was 46078
Mit 42139	Viv 42140	Ora 42136	She 46078	Yak 46077
Man 42140	Von 41908	Put 42136	Sav 46068	Zig 46078
Mix 42140	Vim 41907	Rye 42136	Try 46079	Manuscript T-11548
Nek 42139	Way 42139	Sin 42136	Ump 46079	None
Nix 42138	Wee 42138	Tad 42136	Vic 46079	Manuscript T-11549
Nap 42140	Wow 42140	Vow 42135	Won 46079	None
Nik 42140	Wet 41908	Wag 42135	Yip 46079	
Nul 42139	Wat 42139	Yel 42135	Zed 46079	
Not 42140	Who 41907	Cal 42136		
Nod 42139	Yip 42139			
Nor 42140	Yea 42140			
Owe 42139	You 41908			
Owl 42139	Yam 41907			
Oaf 42140	Zac 42139			

Manuscript
T-11553

None

Manuscript
T-11554

None

Manuscript
T-11566

Awe	54-W-2866
Cue	" 2866
Did	" 2866
Eat	" 2866
Fog	" 2866
Gar	" 2866
Hit	" 2866
Ish	" 2872
Kal	" 2873
Lak	" 2873
Moo	" 2873
Nat	" 2873
Oba	" 2873
Pas	" 2873
Ret	" 2873
Sap	" 2873
Ten	" 2873
Urn	" 2873
Vue	" 2873
Yak	" 2874*
Zoo	" 2874*

* See side heading 15.

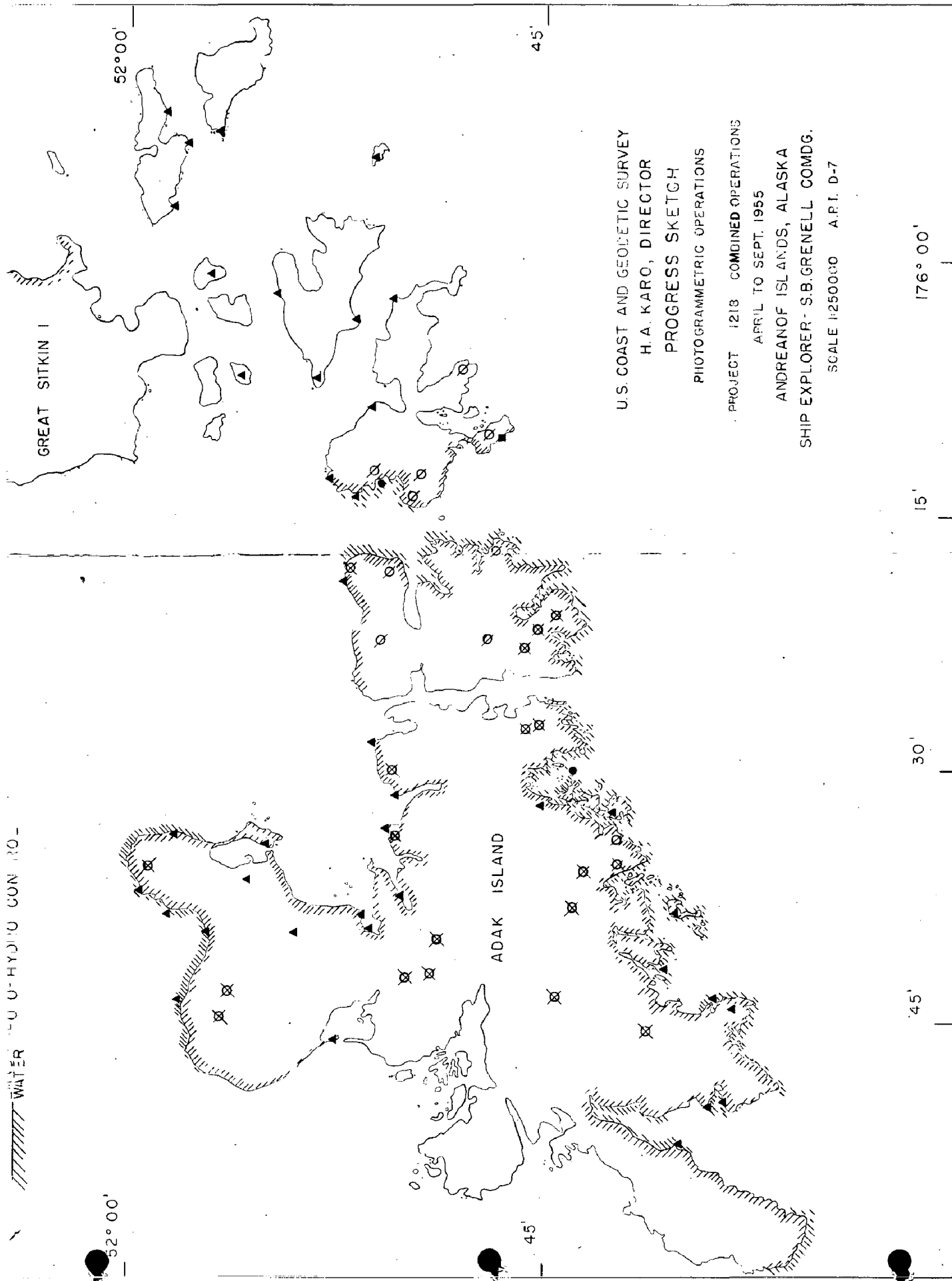
TABLE OF COMPUTED ELEVATIONS

	FANG	GULF	HID	KAG	DAK	V-001	NINE	ONE	G.P.	V-002	REM	ACORN	BALSA	
FANG, 1955	89 M 104=HI		421											
GULF, 1955	55 M 56=HI ecc	422	425=HI ecc						410					
HID(USE) 1943									320					
KAG(USE) 1943									1650					
DAK(USE) 1943														
V-001(USE) 1943	1646	1647	1644		312=HI	12=HI								
P-032(BE)	2186	2186	2182											
P-033	1433	1434	1437											
P-034	1925	1924	1922						1925					
P-035(USE) 1943					1909									
P-036														
P-037					1827	1820								
P-038														
P-039(FE) 1943					1792	1784			1781					
P-040(FE) 1943					1772	1771			1772					
P-041(BE) 1943					1566	1563			1559					
P-042(FE) 1943														
P-043														
P-044														
ONE, 1945														
V-002														
REM(USE) 1924														
ACORN, 1955														
P-045														
P-046														
P-047														
P-048														
P-049														
FE A														
B														
C														
D														
E														
J														
K														
L														
M														

HI = elevation measured by tape.
 () = Pk designation in observation book.

HI=19 M
 HI=166
 161
 HI=52
 47

1658
 1923
 2436
 2044
 1798
 1747
 1242
 1301
 1386



U.S. COAST AND GEODETIC SURVEY

H.A. KARO, DIRECTOR

PROGRESS SKETCH

PHOTOGRAMMETRIC OPERATIONS

PROJECT 1218 COMBINED OPERATIONS

APRIL TO SEPT. 1955

ANDREANOF ISLANDS, ALASKA

SHIP EXPLORER - S.B. GRENELL COMDG.

SCALE 1:250,000 A.P.T. D-7

176° 00'

15'

30'

45'

LEGEND

HORIZONTAL CONTROL STATIONS

IDENTIFIED

RECOVERABLE TOPOGRAPHIC STATIONS

OCCUPIED - UNMARKED

VERTICAL CONTROL STATIONS

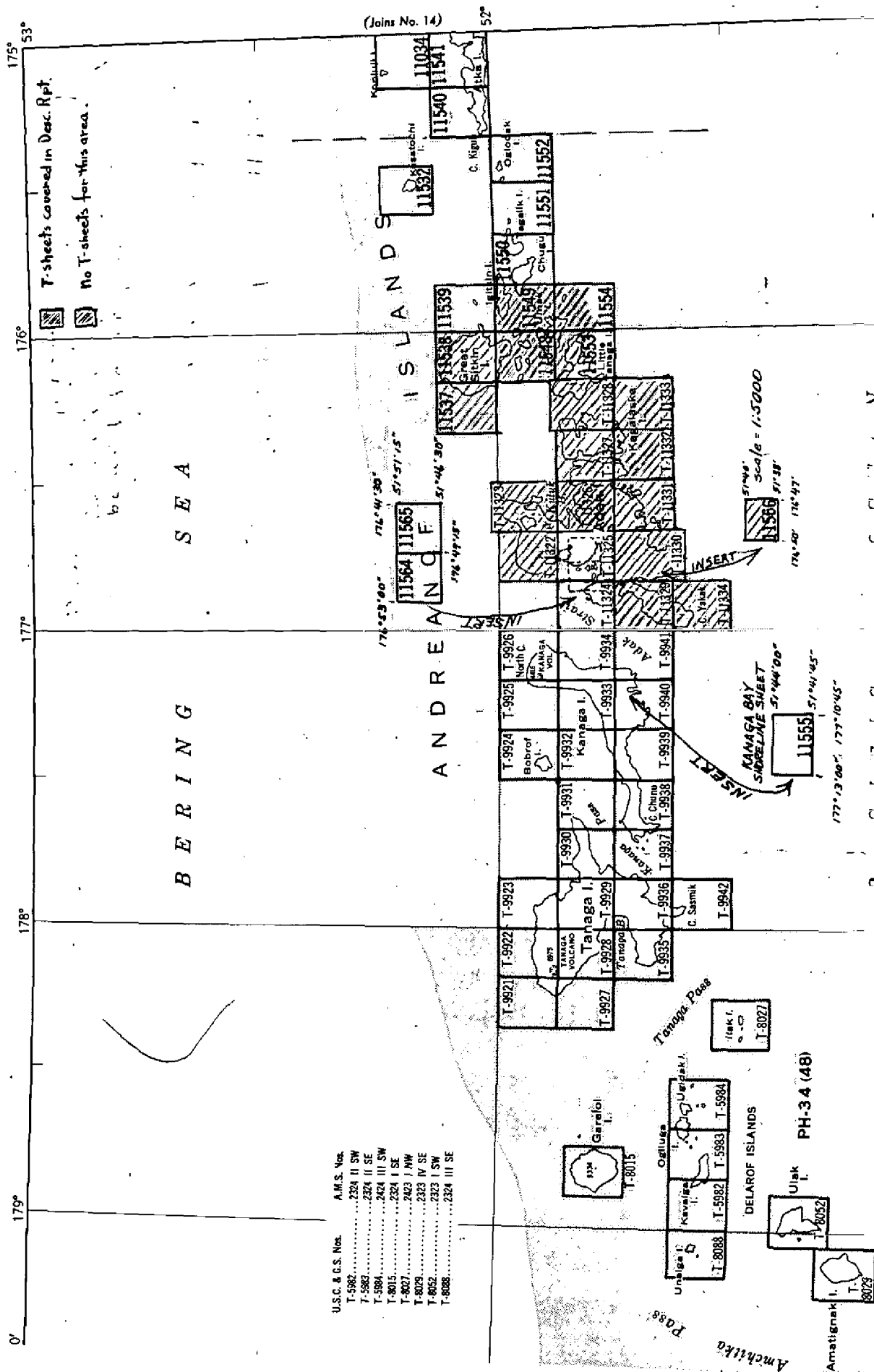
ESTABLISHED

" - NO CHECK

LAND SHORELINE INSPECTION



Aleutian Islands **ALASKA** **Part B**



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

21. AREA COVERED:

Two final radial plots were assembled on 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 Tanaga 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 templets were used in preparing templets for the preliminary plot. These templets 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 plot:

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 were 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 MHW line and alongshore details available) the Kagalaska Strait area of the manuscripts. The nine-lens positype 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 shoreline was 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 templets for tilted photographs Nos. 41960, 41961 and 41962 were not laid while assembling the radial plot. Map positions of photogrammetric points were pricked on these templets 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 26 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:

K. N. Maki

K. N. Maki
Supervisory Cartographer

S. G. Blankenbaker

S. G. Blankenbaker
Cartographer (Photogrammetry)

PH-34

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. ACCRN, 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), 1943	office identified	held
(15) REY (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) FINGER, 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) HID, 1945	" "	2.0mm
(11) SCAB, 1945	" "	held
(12) FRONT RANGE LT., 1946	" "	held
(13) Sub. Pt. EASY, 1943	" "	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. SAS, 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) RM#1 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. GONEF, 1953	" "	held
(11) Sub. Pt. QUAIL, 1953	" "	0.3mm

T-11330

(1) BEY (USE), 1943	office identified	0.2mm
(2) LOW (USE), 1943	" "	held
(3) CHAP (USE), 1942	" "	held
(4) P-030	field identified	held
(5) BUCK, 1954	" "	held
(6) CANE, 1954	" "	0.2mm
(7) (Sub. Pt. #2) CANE, 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-11331

(1) DAK (USE), 1943	office identified	0.2mm
(2) Sub. Pt. DAK (USE), 1943	field identified	0.3mm
(3) HID (USE), 1943	" "	0.2mm
(4) DEN (USE), 1943	office identified	held
(5) NED (USE), 1943	" "	1.0mm ✓

T-11332

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

T-11333

(1) Sub. Pt. RAGGY, 1933	field identified	0.3mm
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(1 of 5 Sheets)

MAP T-11326

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -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)
ELEVEN 1945	V 172	1927	51-51-10.677 176-38-59.237			330.0 (1524.4) ✓ 1133.9 ^s (14.6) →	✓
ONE, 1945	V 172	"	51-51-44.490 176-37-44.927			1375.1 (479.4) 859.7 (288.4)	✓
WATER 1945	V 172	"	51-51-40.227 176-37-37.830			1243.3 (611.1) 724.0 (424.2)	✓
COMPASS ROSE (Magnetic Comp. Rose, USE, 1943) 1945	V 175	"	51-52-26.235 176-39-01.870			810.8 (1043.6) 35.8 (1112.1)	✓
CUR (w.v.) 1945	V 173	"	51-51-20.73 176-37-18.00			640.7 (1213.7) 344.5 (803.9)	✓
BREAKWATER LT. 1946	V 283	"	51-51-40.427 } <i>new 1952</i> 176-37-38.053 } <i>was 1945</i>			1249.5 (604.9) ✓ 728.2 (420.0)	✓
CONTROL TOWER 1946	V 283	"	51-50-07.600 176-37-21.249			234.9 (1619.5) 406.9 (742.0)	✓
SOUTH "A" (USE) 1944	V 170	"	51-51-52.530 176-38-54.181			1623.5 (230.9) ✓ 1036.8 (111.3)	✓
EAST LT. POLE, DOCK 5, 1944	V 167	"	51-51-43.67 176-38-06.02			1349.7 (504.7) 115.2 (1033.0)	✓
WEST LT. POLE, end of Dock, 1944	V 167	"	51-51-43.63 176-38-07.14			1348.5 (505.9) 136.6 (1011.6)	✓
FIVE A, 1945	V 172	"	51-51-43.685 176-38-06.963			1350.2 (504.2) 133.2 (1015.0)	✓
SEVEN, 1945	V 172	"	51-51-41.403 176-38-17.734			1279.6 (574.8) 339.4 (808.8)	✓

1 FT. = 3048006 METER

COMPUTED BY: G. O. Delattre

DATE 7 January 1955

CHECKED BY: J. E. Hundley

DATE 12 January 1955

M. 2388.12

(2 of 5 Sheets)

MAP T-11326

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		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)
Elev. 76 ft. BLUFF, 1946	V 282	1927	51-50-13.576 176-37-15.259			419.6 (1434.8)			
FB4 (USN) 1946	V 282	"	51-50-12.030 176-37-21.481			292.2 (856.6)			
WEST BEACON 1943	V 175	"	51-51-39.489 176-39-21.824			371.8 (1482.6)			
EIGHT 1945	V 172	"	51-51-38.002 176-38-35.044			411.3 (737.5)			
NINE 1945	V 172	"	51-51-24.804 176-38-57.547			1220.5 (633.9)			
CONTROL 1944	V 175	"	51-51-06.879 176-38-59.111			417.6 (730.7)			
SHACK, 1944	V 175	"	51-50-53.21 176-38-44.28			1174.5 (679.9)			
FRONT RANGE LT. 1946	V 283	"	51-50-10.268 176-37-06.787			670.6 (477.7)			
REAR RANGE LT. 1946	V 283	"	51-49-59.404 176-37-42.275			766.6 (1087.8)			
JUT (w.v.) 1945	V 173	"	51-51-35.64 176-35-09.10			1101.4 (46.9)			
GANNET ROCK LT. 1946	V 283	"	51-52-05.92 176-36-23.47			212.6 (1641.8)			
ENGINEER'S SPIKE 1946	V 283	"	51-52-07.202 176-36-25.027			1131.4 (17.1)			
						1644.6 (209.8)			
						847.7 (300.8)			
						317.4 (1537.0)			
						130.0 (1018.8)			
						1836.0 (18.4)			
						809.5 (339.4)			
						1101.5 (752.9)			
						174.1 (974.2)			
						183.0 (1671.4)			
						449.1 (699.0)			
						222.6 (1631.8)			
						478.8 (669.3)			

1:3048006 METER

COMPUTED BY: C. O. DeMarr

DATE 7 January 1955

CHECKED BY: J. E. Hundley

DATE 12 January 1955

M-2388-12

(3 of 5 Sheets)

MAP T-11326

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		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)
MOUNT X (USE 1942) 1943	V 166	1927	51-51-46.067 176-39-36.196			1423.8	(430.6)		
GANNET 1945	V 173	"	51-52-06.720 176-36-23.418			207.7	(1646.7)		
SWEPPER (USE 1942), 1943	V 166	"	51-51-17.248 176-38-14.343			533.1	(1321.3)		
BAK, 1943	V 166	"	51-51-19.801 176-37-50.453			274.5	(873.9)		
GOON (USE) 1944	V 168	"	51-50-36.998 176-36-39.640			612.0	(1242.4)		
LAG (USE) 1944	V 168	"	51-50-10.642 176-37-52.343			965.6	(182.8)		
Elev. 4 ft. UPPER, 1946	V 282	"	51-50-10.264 176-36-47.248			1143.5	(710.9)		
Elev. 1 ft. CREEK, 1946	V 282	"	51-49-51.375 176-37-26.598			758.9	(389.8)		
Elev. 182 ft. STAFF, 1946	V 282	"	51-49-59.444 176-37-48.089			328.9	(1525.5)		
WL 1 (USN) 1946	V 283	"	51-49-55.194 176-37-46.160			1002.3	(146.5)		
PIT (USN) 1933	V 161	"	51-51-39.113 176-34-43.886			317.2	(1537.2)		
LUCKY (USN) 1933	V 166	"	51-51-27.124 176-35-11.558			904.7	(244.1)		
						1587.8	(266.6)		
						509.4	(639.6)		
						1837.2	(17.2)		
						920.9	(228.0)		
						1705.9	(148.5)		
						884.0	(264.9)		
						1208.9	(645.5)		
						839.8	(308.4)		
						838.3	(1016.1)		
						221.2	(927.1)		

1 FT. = 3048006 METER

COMPUTED BY: C. O. DeMart

DATE 7 January 1955

CHECKED BY: J. E. Hundley

DATE 12 January 1955

M-2388-12

(4 of 5 Sheets)

MAP T-11326

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR κ -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		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
RF 3 1945	V 173	1927	51-51-27.650 176-35-11.594			854.6	(999.8)	✓
HEEL 1943	V 167	"	51-51-02.538 176-35-20.857			221.9	(926.4)	✓
THUM 1943	V 167	"	51-50-33.560 176-34-34.846			78.4	(1776.0)	✓
TOE 1943	V 167	"	51-50-43.417 176-35-40.174			399.2	(749.3)	✓
FINGER 1943	V 167	"	51-50-27.902 176-35-18.593			1037.2	(817.2)	✓
HALF 1943	V 166	"	51-50-46.075 176-33-40.939			667.1	(481.6)	✓
HID 1943	V 176	"	51-50-46.455 176-32-50.359			1341.9	(512.5)	✓
SCAB 1943	V 176	"	51-50-28.782 176-31-06.280			769.1	(379.5)	✓
BARD 1943	V 176	"	51-50-04.892 176-31-26.569			862.4	(992.0)	✓
BOLD 1943	V 176	"	51-49-37.787 176-30-50.160			356.0	(792.7)	✓
LOW(w.w.) 1943	V 176	"	51-49-42.534 176-30-31.551			1424.0	(430.4)	✓
TRIPOD 1943	V 176	"	51-48-52.45 176-30-13.72			783.7	(364.9)	✓
						1435.8	(418.6)	✓
						964.1	(184.5)	✓
						889.6	(964.8)	✓
						120.2	(1028.5)	✓
						151.2	(1703.2)	✓
						508.7	(640.2)	✓
						1167.9	(686.5)	✓
						960.7	(188.4)	✓
						1314.6	(539.8)	✓
						604.2	(544.8)	✓
						1621.1	(233.3)	✓
						262.8	(886.6)	✓

1 FT. = 3048006 METER

COMPUTED BY. C. O. DeMart

DATE 7 January 1955

CHECKED BY. J. E. Hundley

DATE 12 January 1955

M-2388-12

(5 of 5 Sheets)

MAP T-11326.

PROJECT NO. Ph-34

SCALE OF MAP..... 1/20,000.

SCALE FACTOR.....1.0

[illegible]

1 FT. = 3048008 MEYER

COMPUTED BY: C. O. DeMart

DATE 7 January 1955

CHECKED BY: J. E. Hundley

DATE 12 January 1955

M-2388-12

COMPILATION REPORT
T-11326

31. DELINEATION:

All detail, except the shoreline in the southeast corner of the sheet, was compiled with the Reading Nine-Lens Plotter. The southeast corner was compiled by the Graphic Compilation Section.

No interior field inspection was available. Consequently, all cultural detail was compiled by photo interpretation. Roads were delineated as follows: Those that appeared to be graded and/or paved were shown as double, full line; all other visible roads - as double, dashed line. All buildings which were visible on the photos were delineated.

32. CONTROL: See radial plot report.

All vertical control was held. Although the scarcity of control in the interior of the sheet made it more difficult to orient the stereo models, it did not affect the accuracy of the contours.

33. SUPPLEMENTAL DATA:

Contact prints of AAF 1/26,000, 1943 photography - Strips 7, 8, 9, 10.

34. CONTOURS AND DRAINAGE:

It was necessary to use several of the photos listed in Paragraph 33 to fill in small gaps in the contours due to dense shadows and clouds.

35 and 36. SHORELINE, ALONGSHORE AND OFFSHORE DETAILS:

The shoreline inspection was adequate. Parts of the shoreline were not visible on the nine-lens photos due to dense shadows. The photos listed in Paragraph 33 were used in these areas.

37. LANDMARKS AND AIDS:

No inspection of landmarks or aids was made by field party. No Form 567 is submitted.

38. CONTROL FOR FUTURE SURVEYS:

No topo or hydro stations were established.

39. JUNCTIONS:

Junction was made with all adjacent sheets.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to Paragraph No. 32 and Photogrammetric Plot Report.

46. COMPARISON WITH EXISTING MAPS:

Adak Island - Sheets Nos. 5 and 6, C&E

47. COMPARISON WITH NAUTICAL CHARTS:

9119, corr. to 9/21/53.

Submitted:

Louis Levin
Louis Levin
Supervisory Cartographer

Approved:

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

Review Report
Topographic Map T-11326
September 1956

62. Comparison with Registered Topographic Surveys:

T-6930a	1:20,000	1943	
T-6930b	1:5,000	1943	
T-6933a	1:5,000	1943	
T-6936	1:5,000	1943	
T-6941 USN	1:4,000	1933	
T-6942 USN	no scale	1933	T-6949 1:10,000 1943
T-6998	1:5,000	1945	
T-7063b	1:10,000	1946	

Differences exist between these surveys. Major differences are confined to Sweeper Cove and Finger Cove, where many cultural changes, also effecting the shoreline and foreshore, have taken place since the date of above-listed surveys because of the development of Adak Naval Station. T-11326 with adequate control and completely detailed topographic map is to supersede the above-listed surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

Adak Island (Sheets 4, 5, 8 and 9 of 10) AMS 1:25,000, 1943. There is a difference in datum between these surveys (AMS Charts based on local datum). Allowing for this datum difference and cultural changes, there is, generally, good agreement.

64. Comparison with Contemporary Hydrographic Surveys:

H-6910	1:10,000	1944
H-6915	1:5,000	1943
H-6924	1:5,000	1943
H-7084	1:10,000	1945
H-7079	1:10,000	1945 (with additional work to 1955)
H-8239	1:20,000	1953

Southeast shoreline (Boot Bay) of T-11326 was furnished for hydrographic survey H-8239. No significant discrepancies were noted in the shoreline or foreshore features of the northern portion of T-11326 (Kukuk Bay).

65. Comparison with Nautical Charts:

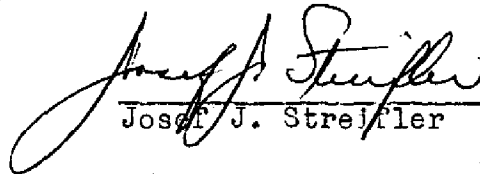
9119	1:10,000	corrected to 53 9/21
9141	1:30,000	" to 52 9/29
9193	1:120,000	" to 54 7/5

Major differences exist only on interior features.


66. Adequacy of Results and Future Surveys:

Field inspection did not include an inspection of roads, buildings and other ~~other~~ interior features (see heading 31-Compilation Report). Not all offshore features were completely inspected and these are subject to minor error in office interpretation. Other than these no deficiencies in accuracy and adequacy were indicated.


Reviewed by:

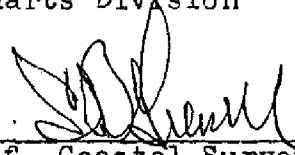

Josef J. Streifler

Approved:


Chief, Review & Drafting Sec.
Photogrammetry Division


Chief, Nautical Chart Br.
Charts Division


Chief, Photogrammetry Division
12 Aug 1958


Chief, Coastal Surveys

History of Hydrographic Information for T-11326

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

Depth-curves and soundings are in fathoms at mean low water and originate with the following:

H-8239, 1:20,000, 1953 and Nautical Chart 9141,
1:30,000, corrected to 52 9/29

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

J. J. Streifler

Summary to Accompany Topographic Map T-11326

To-11326 is one of Project 603¹/₄ (Ph-3¹/₄). It covers that portion of Adak Island extending ~~from~~ Kuluk Bay south to the ^{from} northwestern tip of Boot Bay. Adak Island being the largest of the group of Andreanof Islands of the Aleutian Islands.

Shoreline of Boot Bay only was graphically compiled from nine-lens photography of 1953. The remaining shoreline and all interior detailing were compiled with the Reading nine-lens plotter. Interior detailing was compiled by photo-interpretation only, since no interior field inspection was available.

After addition of hydrographic information, the map will be published by the Army Map Service as a standard topographic quadrangle at the scale of 1:25,000 and replace a previous publication of 1943, now obsolete.

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

T-11326.

Geographic Names.

Adak Island

Adak Naval Station

Aleutian Islands

(for title)

Andreanof Islands

(for subtitle, if desired)

Boot Bay

Finger Bay

Finger Cove

Finger Shoal

Is Feature not shown (appears on Nautical chart)

Gannet Rocks

Hammerhead

(small headland)

Hammerhead Cove

Happy Valley

Hospital Valley

Kuluk Bay

Lake Leone

Lucky Point

Mid Point

Mitt Lake

Pit Rocks

Scabbard Bay

Sweeper Cove

Sweeper Creek

Names approved 8-16056

L. Heck *L.H.*

On nautical chart 9119 the docks and piers in Sweeper Cove are numbered, if it is desired to apply these numbers.

T-1126.

Geographic Names.

Adak Island
Adak Naval Station
Aleutian Islands
Andreanof Islands

(for title)
(for subtitle, if desired)

Boot Bay

Finger Bay
Finger Cove
Finger Shoal

Gannet Rocks

Hammerhead
Hammerhead Cove
Happy Valley
Hospital Valley

(small headland)

Kuluk Bay

Lake Leona
Lucky Point

Mid Point
Mitt Lake

Pit Rocks

Scabbard Bay
Sweeper Cove
Sweeper Creek

Names approved 8-16056
L. Heck

On nautical chart 9119 the docks and piers in Sweeper Cove are numbered, if it is desired to apply these numbers.

3Mi

4

4

4

4

4