

11322

11323

11323

Diag. Cht. No. 8863-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

T-11322

Field No. 6034

Office No. T-11323

LOCALITY

State Alaska

Chart 9141 - part app'd - consider final until recons. - 1/13/61
JHE

Chart 9119 - part applied - consider final until
it is reconstructed

11-6-62
WHW

DATA RECORD

T - 11322
T - 11323

Project No. (II): 7-6034

Quadrangle Name (IV): Adak Island

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):

Office memo 10 November 1954
Instruction for compilation,
Andreanof Islands, 31 October 1955

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): (shoreline)
Graphic Compilation

(planimetry + contours)
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): 3-23-56 Date reported to Nautical Chart Branch (IV): 3-30-56

Applied to Chart No.

Date:

Date registered (IV): 5/27/58

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:

Zone:

Y=

X=

U.T.M. grid, Zone No. 1

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

T-11322 & T-11323

c. Misteldie

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

DATA RECORD

Field Inspection by (II):

Date: 1954, 1955

Control and shoreline inspection from
Ship EXPLORER

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): Austin Riley

Date: 10-18-54

Projection and Grids checked by (IV): Howard Wolfe

10-27-54

Date: 11-10-54

Control plotted by (III): Jeter Battley
W. R. Kachel
W. Byron Hale
George Walker, Jr.

Date: 1-15-55

1-20-55

11- 55

12-6-55

Control checked by (III): Martha Webber
W. R. Kachel
Donald Carrier
K. N. Maki

Date: 1-21-55

1-24-55

11- 55

12-6-55

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

Date: 11-18-55

Stereoscopic Instrument compilation (III):

Planimetry

Contours

C Misfeldt

T-11322 Date: 1-20-56

T-11323 Date: 2-28-56

Manuscript delineated by (III): T-11322 - R. Sugden } *shoreline*
T-11323 - K. N. Maki }

Date: 12-1-55

12-2-55

Photogrammetric Office Review by (III): K. N. Maki (*shoreline*)
L. Levin (*Planimetry & Contours*)

Date: 12-5-55

T-11322 2-10-56
T-11323 3-27-56

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III): *C & GS 9-Lens*

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
41959 thru 963	9-21-53	2:27-2:30	1:20000	2.0 above MLLW
42085 thru 088	9-25-53	12:34-12:37	"	2.1 above MLLW
42090 thru 095	9-25-53	12:43-12:48	"	2.2 above MLLW
46082 thru 084	9-6-54	15:23-15:24	"	2.6 above MLLW

Tide (III)

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

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
1.0	-	3.7
1.0	-	3.7

Washington Office Review by (IV): *T-11322 Everett H. Ramsey*
T-11323 " "
Final Drafting by (IV): *T-11322 R. Kelly*

Date: *26 Mar 1956*
13 Apr 1956
Date: *8-22-1956*

Drafting verified for reproduction by (IV): *T-11322 Wm O. Hallum*

Date: *9-13-56*

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:

(Joins No. 14)

52°

175°

175° 53°

11541

11541

11541

Summary to Accompany Topographic Maps T-11322 and T-11323

Maps T-11322 and T-11323 cover the northern part of Adak Island of the Aleutian Islands in Alaska. The most prominent features include Mt. Moffet and Mt. Adagdak. These maps were completed for publication as standard large-scale topographic quadrangles.

Shoreline features on these maps were compiled by graphic methods for use in hydrographic surveys. Topography and interior planimetry were compiled by the Reading Plotters sometime later. Field work in advance of compilation included the inspection of shoreline features and the identification of control. No field edit was accomplished. Coast and Geodetic Survey nine-lens photographs taken in 1953 and 1954 were used in the compilation supplemented by some single-lens photographs.

Items registered under these map numbers will include one combined descriptive report, ~~cloth-backed~~ ^{several} prints of the map manuscripts and cloth-backed color prints of the published maps.

SECRET

1

as a Navy Fuel Supply Depot. The only other buildings on the island are at Cape Engleak and there are abandoned and in place of disrepair.

(b) Field Inspection: Shoreline inspection was accomplished while running in a launch parallel to the shoreline. Inspection is believed to be substandard only in those areas where shadows were 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 off-shore islands. See slide heading 7 for list of minor discrepancies. Heights of off-shore pinnacles were estimated and no precise measurements were attempted.

(c) Quality of Photographs: The quality of the nine-inch 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 prints to the poorer office prints. Deep shadow featured shoreline in some areas around Beyer Bay and nearby off-shore 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
BALSA, "
LEBA, 1947 and 1955
TANK, 1955
FANG, "
GULF, "
RADIO TOWER, 1955

* See Triangulation Report, Ship EXPLORER, for detailed information concerning horizontal control.

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.
LEBA, 1943	T-11330	41906
LEBA, 1943-(doubtful) see (d)	T-11331	42140
LEBA, 1943	T-11331	42139
LEBA, 1943	T-11326	42138
LEBA, 1944	T-11323	39081
LEBA, 1933	T-11323	42093
LEBA, 1933	T-11322	46084

(cont.)

STATION NAME

AL29(USN), 1943

CLAM(USN), 1934

LITTLE TANAGA(USN), 1934

ICE(USN), 1933

NGO(USN), 1934

CHUGUL(USN), 1943

ASUKSAK(USN), 1934

TAGADAK(USN), 1934

UMAK(USN), 1934

KAL(USN), 1934

BAT(USN), 1934

KRY(USN), 1934

MANUSCRIPT

T-11327

T-11323

T-11328

T-11328

T-11549

T-11549

T-11548

T-11548

T-11548

T-11548

T-11553

T-11553

REF. NO.

39069

39082

41940(42160-OP)

41940

41934

42108

41978

41935

41936

41916

41914 or 15

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:

MDP(USN), 1933 was not recovered. A search of approximately

one hour failed to locate this station. Further search was considered

ANAGAKSIN(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
TRA POT SPOUT, 1953	T-11538	46074
TRA 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 Kingilak. 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 KBN(USEN), 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-11328	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	KBN Pt.		
	A	T-11320	42135
	B	T-11327	42164
	C	T-11327	41942
	D	T-11328	42196
	E	T-11328	42196
	F	T-11328	Great Britain
	G	T-11328	Great Britain
	H		
	J	T-11328	42162
	K	T-11328	42162
	L	T-11553	42132
	M	T-11553	42132

From MEMO No. 1-11387-42104

(4) 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.

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 limbing 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.

3. 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.

Depth of field of view is indicated on map.

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

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 1:25,000 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 as

SHORELINE NOTES

MAP	PHOTO	MAP	PHOTO
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		
	42103	T-11332	42135

T-11327	41940		42138
			42139
T-11328	41940	T-11333	42134
	41941		42135
	42133		
	42134	T-11334	42147
	42162		42148
T-11329	42147	T-11553	42133
	42170		
	42171	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
T-11322

Act 46084
Bav 41959
Cad 39072
Dcg 41959
Eat 39071
Fal 41960
Gam 41960
Hag 39072
Ink 39072
Jim 39073
Kol 39072
Lip 39072
Uri

Manuscript
T-11323

Als 39068
Alp 39067
Bed 39068
Bog 39067
Cub 39068
Cut 39082
Dav 39068
Dud 39082
Eli 39068
Ewi 39082
Fem 39068
Gad 39068
Hat 39068
Ira 39068
Jog 39068
Kin 39068
Lid 39068
Mac 39069
Mom 39067
Neo 39067
Fun 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
Yet 39067
Wax 39067
Woo 39068
Yon 39068
You 39067
Zig 39068
Zep 39067

Manuscript
T-11327

AMP 42138

Manuscript
T-11328

Als 41940
Age 42162
Ash 42163
Ase 42135
Bag 42162
Boo 41940
Bar 41940
Ban 42162
Bag 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
Har 41940
Heg 42133
Hat 42162
Haw 42135
Ill 42133
Its 42162
Ivy 42135

Jig 42133
Job 42162
Joe 41940
Jug 42135
Kin 42162
Kit 42135
Kul 42162
Lex 42135
Iye 42162
Mig 42162
Mar 42134
Mun 42135
Meg 42135
Now 42134
Nat 42162
Oak 42135
Out 42134
Pop 41941
Pit 42162
Pew 42133
Run 41940
Rag 42134
Rue 42162
Sis 42134
Sob 42162
Tim 41940
Tic 42162
Tub 42134
Una 42162
Via 42134
Val 42162
Vac 42134
Woe 42162
Tak 42134
Zam 42134
Zoe 42162
Pad 42162

Manuscript
T-11329

Add 42171
Bah 42171
Cab 42171
Del 42171
Ego 42171
Eli 42171
Fed 42171
Fal 42171
Geo 42171
Gra 42171

Poi 42171
Sac 42171

Manuscript
T-11330

Aim 41905
Abe 42141
Are 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
Hel 42141
Fis 41905
Fox 42141
Gay 41905
Gin 42141
Hen 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
Lee 41905
Lie 42141
Mop 42171
Meg 41905
Mit 42141
May 42171
Nav 41905
Nun 42141
Ole 42171
Own 42141
Oar 42141
Ori 41905
Par 41905
Pac 41906

Pad 4214
Pus 41905
Qas 41905
Ing 41905
Rec 41906
Sad 41905
Sic 41906
Tex 41905
Too 41906
Ugo 42142
Vel 41905
Van 41906
Was 41905
Win 42142
Yav 41905
Yet 42142
Zed 41905
Zim 42142

Manuscript
T-11331

Aid 42139
Any 42140
Ave 42140
Amk 42140
Ann 42140
Bel 42139
Bar 42140
Bir 42140
Bib 42140
Cav 42139
Cus 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

Manuscript
T-11566

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*
Zoc	■ 2874*

* See side heading 15. *

By tape
recording book

PHOTOGRAMMETRIC PLOT REPORT
Project 7-6034 (Ph-34)
Adak Island, Alaska

The final photogrammetric plot report covering T-11322, T-11323, T-11326 thru T-11328 and T-11330 thru T-11333 is included in the combined descriptive report for T-11326 thru T-11328.

MAP T-11322 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -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)
MOF (USN) 1933	Vp 164	1927	51-55-39.223			1212.3	642.1		
MT. MOFFETT, 1943	Vp 183	"	176-48-13.040			249.2	897.3		
			51-56-17.033			526.4	1328.0		
			176-44-22.765			434.9	711.8		
TOM, 1945	Vp 174	"	51-53-29.673			917.1	937.3		
			176-40-51.637			987.5	159.9		
BURMA (USE)	Vp 168	"	51-53-09.092			281.0	1573.4		
			176-40-14.408			275.6	871.9		
BURMA RECCO (USE) 1944	Vp 168	"	51-53-08.624			266.5	1587.9		
			176-40-15.333			293.3	854.2		
BAS (USN) 1933	Vp 162	"	51-53-09.836			304.0	1550.4		
			176-45-44.721			855.3	292.2		
ACORN, 1955	Field Comps.	"	51-58-23.111			714.4	1140.1		
			176-43-06.505			124.2	1021.2		
ACORN Sub Pt.		"	51-58-			720.3	1134.2		
			176-43-			121.5	1024.0		
JIT (USN) 1933	Vp 162	"	51-52-34.327			1060.9	793.5		
			176-45-27.705			530.0	617.8		
JIT Sub Pt.		"	51-52-			1063.8	790.6		
			176-45-			561.7	586.4		

1 FT. = 3048006 METER

COMPUTED BY C. O. DeMarr

DATE

9 MAY 1955

CHECKED BY

1. H. L. L.

DATE

9 MAY 1955

M-2388-12

(1 of 3 Sheets)

11323

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.0

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		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)	FORWARD	(BACK)
-	V 174	1927	51-54-35.304		1091.1	(763.3)		
-	V 170	"	176-33-22.578		431.6	(715.4)		
-	V 170	"	51-57-21.195		655.1	(1199.4)		
-	V 173	"	176-38-38.133		728.2	(117.6)		
-	V 173	"	51-58-30.642		947.1	(907.4)		
-	V 170	"	176-37-11.565		220.8	(924.5)		
-	V 170	"	51-52-47.044		1454.0	(100.4)		
-	V 170	"	176-39-18.127		346.8	(800.9)		
-	V 170	"	51-52-58.948		1821.9	(32.5)		
-	V 170	"	176-38-44.038		842.3	(305.3)		
-	V 193	"	51-53-32.60		1007.6	(846.8)		
-	V 173	"	176-38-21.81		417.1	(730.3)		
-	V 173	"	51-53-01.967		60.8	(1793.6)		
-	V 171	"	176-37-38.433		735.1	(412.5)		
-	V 171	"	51-55-51.598		1594.7	(259.7)		
-	V 171	"	176-34-38.533		736.3	(410.1)		
-	V 171	"	51-55-06.074		187.7	(1666.7)		
-	V 171	"	176-33-51.646		987.1	(159.7)		
-	V 174	"	51-55-11.230		347.1	(1507.3)		
-	V 174	"	176-33-00.394		7.5	(1139.2)		
-	V 174	"	51-55-45.823		1416.3	(438.1)		
-	V 174	"	176-32-51.324		980.6	(165.9)		
-	V 171	"	51-54-13.861		428.4	(1426.0)		
-	V 171	"	176-37-01.371		26.2	(1120.9)		

TER

C. O. DeMart

DATE 7 January 1955

CHECKED BY J. E. Hundley

DATE 12 January 1955

M-2388-12

(2 of 4 Sheets)

MAP T-11323..... PROJECT NO. Ph-34..... SCALE OF MAP 1/20,000..... SCALE FACTOR 1.0.....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
LORA, 1947	V 412	1927	51-59-40.022 176-36-47.384			1237.0 (617.5) 904.0 (240.8)	
RF5, 1945	V 173	"	51-58-30.912 176-37-11.845	Not plotted. See Bat 2, 1945		955.4 (899.1) 226.1 (919.2)	
CLAM (USN) 1934	V 161	"	51-58-32.510 176-33-19.917			1004.8 (849.7) 380.2 (765.1)	
NORTH (USN) (CL-1), 1934	V 161	"	51-57-25.791 176-33-57.212			797.1 (1057.4) 1092.5 (53.2)	
SOUTH (USN) (CL-3), 1934	V 161	"	51-56-17.903 176-33-38.056			553.3 (1301.1) 727.0 (419.3)	
ZETO (USN) 1934	V 162	"	51-54-35.331 176-33-22.517	Not plotted. See Zeto Pt Br, 1945		1092.0 (762.4) 430.4 (716.6)	
HED (USN) 1934	V 161	"	51-55-37.416 176-31-27.808			1156.4 (698.0) 531.4 (615.2)	
REV (USN) 1933	V 161	"	51-55-33.037 176-36-35.179			1021.1 (833.3) 672.2 (474.4)	
LUK (USE) 1944	V 168	"	51-52-51.792 176-37-45.592			1600.7 (253.7) 872.1 (275.6)	
EAST "B" (USE) 1942-3	V 168	"	51-53-25.064 176-37-29.203			774.7 (1079.7) 558.5 (588.9)	
TRI (USN) 1943	V 169	"	51-55-28.820 176-33-43.891			890.7 (963.7) 838.8 (307.8)	
WAC (USN) 1943	V 169	"	51-57-04.605 176-35-30.078			142.3 (1712.2) 574.4 (571.5)	

1 FT. = 3048006 METER

COMPUTED BY: C. O. DeMarr

DATE 10 January 1955

CHECKED BY: J. E. Hundley

DATE 12 January 1955

M-2386-12

(3 of 4 sheets)

Photogrammetry

MAP T-11323

PROJECT NO. Ph-34

SCALE OF MAP 1/20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -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)
FOLLY (USN) 1944	V 169	1927	51-57-22.219 176-37-08.760			686.7 1167.8	
DREW (USE) 1944	V 170	"	51-56-53.527 176-39-46.583			167.3 978.5	
AL 11 (USN) 1943	V 170	"	51-55-52.828 176-38-35.092			1654.4 200.1	
RADIO (USE) 1942	V 169	"	51-54-45.771 176-39-17.535			889.7 256.3	
PAL (USN) 1943	V 169	"	51-54-37.676 176-35-35.423	(Not plotted) (See HIE, 1945)		1632.8 221.6	
RED (USE) 1942	V 171	"	51-53-15.636 176-38-17.355			670.5 476.0	
RF4 1945	V 173	"	51-55-33.722 176-36-35.695			1414.6 439.8	
HIE 1945	V 174	"	51-54-37.629 176-35-35.090			335.2 811.7	
OIL 1944	V 174	"	51-54-33.207 176-34-45.756	(Not plotted)		1164.5 689.9	
MAX 1944	V 175 G-11075 Field	"	51-54-49.505 176-34-59.164			677.1 469.9	
BALSA 1955	Comp. G-11075 Field	"	51-58-53.932 176-37-55.110			483.3 1371.1	
TANK 1955	Comp. G-11075 Field	"	51-59-37.424 176-36-28.622			331.9 815.6	

1 FT. = 3048006 METER

COMPUTED BY: C. O. DeMarr

DATE 10 January 1955
November 1955

CHECKED BY: J. E. Hundley and
D. Carrier

DATE 12 January 1955 and
November 1955

MAP T-11323 PROJECT NO. 6034 SCALE OF MAP 1:20,000 SCALE FACTOR

[illegible]

! FT-3048096 METER
FLOTTING

Prepared by: L. Levin.

DATE 2-27-56

CHECKED BY: W. Heinbaugh

DATE 2-27-56

M-2388-12

COMPILATION REPORT
T-11322 and T-11323

31. DELINEATION:

Shoreline and foreshore areas were delineated on the map manuscript by graphic methods. Field inspection was available for both surveys. Features shown were first drawn on sections of vinylite worksheet material superimposed on the photograph having the best combination of near manuscript scale and clear image quality. Graphic methods were then used to compile and delineate the MHWL and to adjust the detail to manuscript scale.

The topography and planimetry were compiled on the Reading Nine-Lens plotter Model "A". The instrument worksheets were adjusted to the radial plot pass points and attached to the shoreline manuscript.

Some disagreement was found between the instrument compilation and graphic compilation of the shoreline due to dense shadow areas, surf action and clouds. These differences were resolved with the use of 1943 U. S. Navy single lens photography, which were relatively free of shadow, clouds and surf action. The corrected shoreline has been indicated in red on the manuscript.

The 1943 single-lens photos were also used to fill in small areas of contouring which were obscured by clouds or shadow on the nine-lens photos. This was done by using the contact prints on the Reading plotter, removing as much of the tilt as possible by rotation of the photos and correcting the scale with the Salzman Projector.

No field inspection was available for the delineation of cultural detail. The classification of the roads was accomplished by photo interpretation; i.e., roads which appeared to be paved and/or graded were shown with the double full line symbol. All others were shown with double dash line and narrow roads or paths with the trail symbol. Much of the intricate network of roads within the military base was omitted. All buildings, piers and tanks which were visible on the photos were delineated.

32. CONTROL:

Horizontal control was adequate and provided a rigid well-fixed radial plot. Refer to the photogrammetric report which includes surveys T-11322, T-11323, T-11326 thru T-11328 and T-11330 thru T-11333. This report also includes the area of Piper Cove and Cape Chisak or T-11553.

The vertical control was adequate. The majority of the models were rectified and oriented from shoreline with the peak elevations used as a check. Minor discrepancies were noted between elevations shown by the photogrammetric field party and those listed with the published G.P.s. The published elevations have been shown on the manuscript.

33. SUPPLEMENTAL DATA:

T-6930	1:20,000	1943
T-7000	1:10,000	1945

These surveys were compared with T-11322 and T-11323 but no data were applied from them.

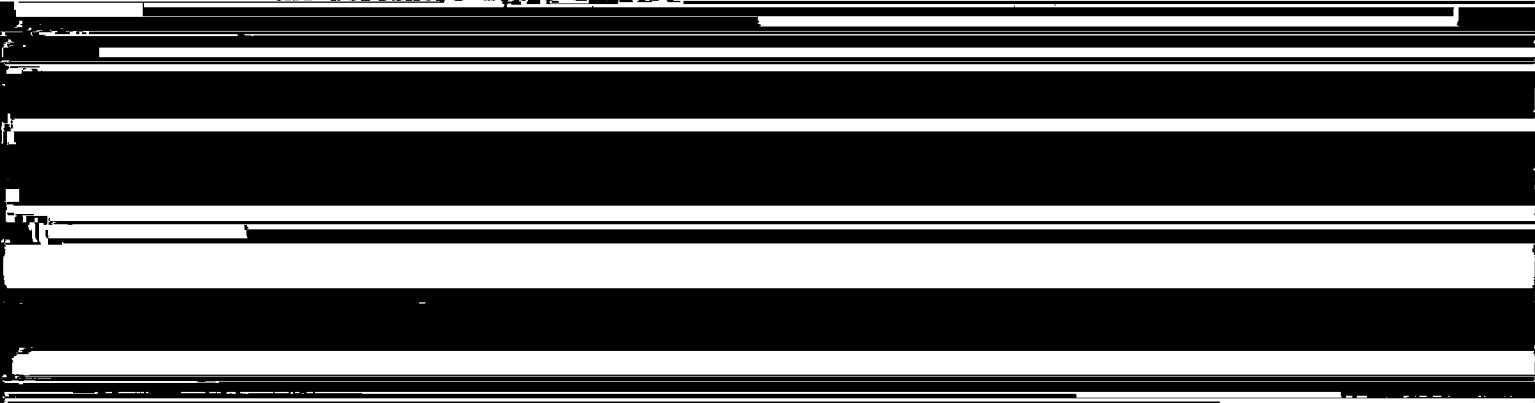
Contact prints of AAF 1/26,000, 1943 photography - Strips 6, 7, 8, 9, 7/27/43.

34. CONTOURS AND DRAINAGE:

No difficulty other than that discussed in No. 31 was encountered in delineating the contours or drainage.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline inspection was generally adequate. Occasional sections of shadowy shoreline might have been clarified during field inspection. Much of the foreshore is closed off by a foul line. Foreshore ledge is shown in only occasional areas since field inspection did not provide any limiting line. The foul line may in some instances approximate the foreshore ledge limits.



No comment.

37. LANDMARKS AND AIDS:

Form 567 has been submitted for a landmark "TOWER." This position was determined from the final plot and supersedes the preliminary plot position.

38. CONTROL FOR FUTURE SURVEYS:

Refer to side heading 49 for the list of photo-hydro stations.

There are no recoverable topographic stations on these surveys.

39. JUNCTIONS:

The adjoining sheets have not been compiled as of the date of this report.

40. HORIZONTAL AND VERTICAL ACCURACY:

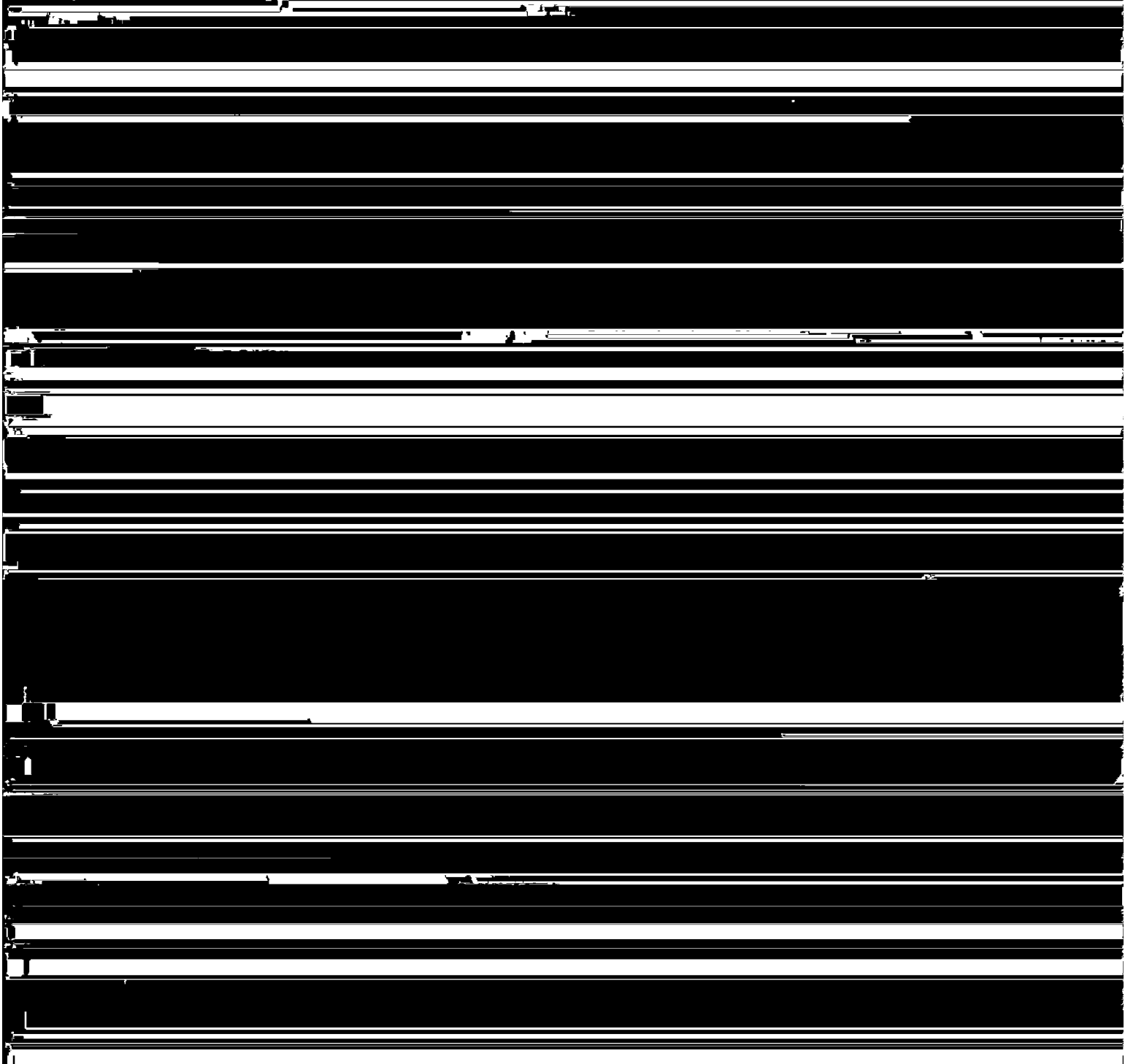
Refer to photogrammetric plot report; also Side-heading 32.

46. COMPARISON WITH EXISTING MAPS:

Adak Island sheets Nos. 1, 2 and 5, C.E. 1943 1:25,000

47. COMPARISON WITH NAUTICAL CHARTS:

9141 1:30,000, corr. to 9/29/52



PHOTOGRAMMETRIC OFFICE REVIEW

T- 11322, T-11323

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☐ 7. Photo hydro stations ☒ 8. Bench marks ☐
9. Plotting of sextant fixes ☐ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☐ 16. Aids to navigation ☐ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☐ 22. Planetable contours ☐ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☐ 25. Spot elevations ☒ 26. Other physical features ☐

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☐ 32. Public land lines ☐

MISCELLANEOUS

33. Geographic names ☐ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☐ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒40. K. N. Mahan Reviewer 12/8/55 Supervisor, Review Section or Unit41. Remarks (see attached sheet) L. Lavin 3/27/56

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler_____
Supervisor

43. Remarks:

History of Hydrographic Information for T-11322

Hydrography was added to the map manuscript in accordance with Army Map Service Technical Instruction 48 dated 5 May 1950.

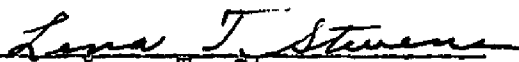
Depths are in fathoms at mean lower low water datum and originate from the following sources:

Blueprints 51873, 51927, 51928, 52892, 52893 and 52894 (boat sheets of hydrographic surveys of 1954)

Hydrographic Survey H-6881, 1:40000, 1933

Nautical Charts 9121, 1947, corrected to 52-8/25 and 9193, 1953, corrected to 54-7/5

Hydrography was compiled by Lena T. Stevens on 17 February 1956 and verified by O. Svendsen on 24 February 1956.


Lena T. Stevens

History of Hydrographic Information for T-11323

Hydrography was added to the map manuscript in accordance with Army Map Service Technical Instructions.

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

H-7182	1:20,000	1946
H-7078	1:10,000	1945
H-6971	1:4,800	1944
H-6916	1:4,800	1943
H-6910	1:10,000	1943

Chart 9141, 1:30,000, 1944 revised to 1952

Hydrography was compiled by L. C. Lande, 18 September 1956, and verified by O. Svendsen.

L. C. Lande
L. C. Lande

COMMANDER
ALASKAN SEA FRONTIER

NAVY 127, BOX 14, % POSTMASTER
SEATTLE, WASHINGTON

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

30

Serial: 079

3 May 1956

CONFIDENTIAL - Unclassified upon removal of encl (1)

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

Subject: Topographic maps; security review of

Reference: (a) USCGS ltr 734-cfl of 5 April 1956

Encl: (1) Maps (manuscripts) No. T-11322, T-11324, and T-11329

By reference (a), Commander, Alaskan Sea Frontier was requested to review the topographic maps, returned herewith as enclosure (1), to determine if classified information is contained thereon which would prohibit general distribution.

The maps in question have been reviewed by this Command and contain no information of a classified nature which would prohibit general distribution. It is considered that the maps as now appearing should be unclassified.

H. T. HASELTON
By direction

COPY

ENCLOSURE (2)

ALTO SERVICE CORP.

CONFIDENTIAL

In reply address not the
owner 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 15-1/37
SERIAL 4

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

Sub's: 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 724-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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~TO BE DELETED.~~

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D. C. 30 November 1955

I recommend that the following objects which have *(have=not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by G. Amburn

R. B. Dyer

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE DELETED

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D. C. 30 November 1955

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by C. Anderson

100

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

48. GEOGRAPHIC NAME LIST

T-11322:

Andreanof Islands
Adak Island
Mt Moffett
Andrew Bay
Cape Moffett
Cape Kiguga
Shagak Bay
Alaska
Aleutian Islands
North Spit

T-11323:

Kuluk Bay
Cape Adagdak
Andrew Bay
Andrew Lake
Clam Lagoon
Zeto Point
Bering Sea
Adak Island
Head Rock
Mt Adagdak
Alaska
Aleutian Islands
Kuluk Shoal
Sitkin Sound
Andreanof Islands

Names approved
5-7-66. L. Heck

49. Notes for the Hydrographer

Hydrographic signals located by radial plot and sextant cuts.

ACT -	DOG -
UFI -	EAT-(Office Ident.)
BAW -	FAL -
CAD-(Sextant cut check)	GAM-(From sub.Sta.)

HAG -
INK -
JIM-(Pos. Questionable)
KEL -
LIP (Sextant cuts)

Twelve photo-hydro signals for which field identification was furnished were located by radial plotting methods. The position of station LIP is to be determined from the sextant cuts due to lack of photograph coverage.

49. Notes for the Hydrographer

Hydrographic signals located by radial plot:

Mac	Jog
Nun	Kin
Old	Lid
Pie	Mon
Rex	Neo
Set	Odd
Tit (from sub. sta.)	Pup
Ump	Rat
Vic (office identified)	Shy
Woo	The
Yon	Use
Zig	Vet (not located - no
Ade	photo coverage)
Bed	Wax
Cub	You
Dav	Zee
Eli	Alp
Fem	Bog
Gad	Cut
Hat	Dud
Ira (sextant cuts) position shown on map is office location)	Emu

Forty photo-hydro signals for which field identification was furnished were located by radial plotting methods. Photo-hydro station "Vic" was located by office identification as was station "Ira". Sextant cuts shown on the black line impression by the field party checked the photo-plot position of the latter station. The location of station "Vet" was omitted due to lack of photograph coverage.

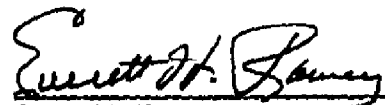
Review Report
Topographic Maps T-11322 and T-11323
13 April 1956

62. Comparison with Registered Topographic Surveys:

66. Adequacy of Results and Future Surveys:

The field inspection did not include an inspection of roads and buildings. (See Side-heading 31.) Not all offshore features were completely inspected and these features are subject to minor errors in office interpretation. Other than these items, no deficiencies in accuracy and adequacy were indicated.

Reviewed by:

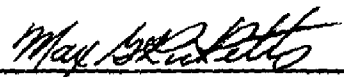


Everett H. Ramey

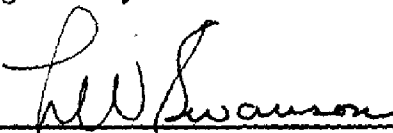
APPROVED:



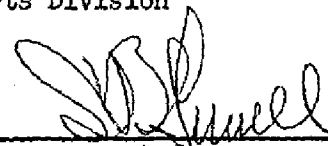
Chief, Review and Drafting Section
Photogrammetry Division



Chief, Nautical Chart Branch
Charts Division



Chief, Photogrammetry Division



Chief, Coastal Surveys Division

13 Aug. 1958

NAUTICAL CHARTS BRANCH

SURVEY NO. T 11323

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 11322

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.