11327

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-11327

LOCALITY

State Alaska

General locality Andreanof Island

Locality Kagalaska Strait

1953-55

CHIEF OF PARTY

K.G.Crosby, Chief of Field Party

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

LIBRARY & ARCHIVES

DATE September, 1958

B-1870-1 (1)

11327

Partly applied to Chart 9141 - to be considered final application until chart is reconstructed.
5/24/60
WE

Partly applied to ch. 9119 - to be considered final until Reconstruction
11-6-62
WHW

DATA RECORD

T - 11327

Project No. (II): Ph-34 Quadrangle Name (IV):

Field Office (II): Ship EXPLORER Chief of Party: J. B. Grenell

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

Instructions dated (II) (III): field - 3-2-53, 2-25-54, 12-16-54 Copy filed in Division of Photogrammetry (IV)

office - 12-17-53, 11-2-54, 10-31-55

Method of Compilation (III): Shoreline - Graphic
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): AUG 27 1956 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 5/6/58

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

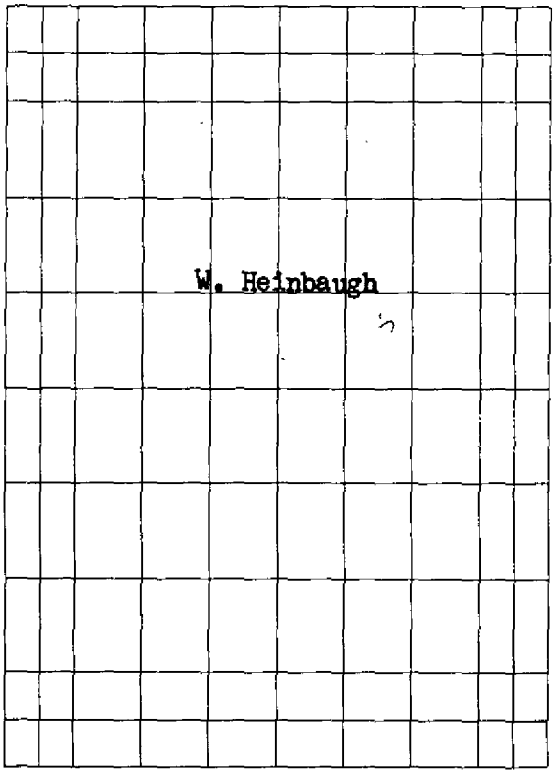
Plane Coordinates (IV): State: Zone:

Y= X=

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

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

M-2618-12(4)



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

DATA RECORD
T-11327

Field Inspection by (II): R. C. Munson, S. L. Hollis — Date: May-July 1953, May-July 1955

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location):
From photos listed on following page.

Projection and Grids ruled by (IV): — Date:

Projection and Grids checked by (IV): — Date:

Control plotted by (III): A. Queen — Date: 1-8-54

Control checked by (III): J. Steinberg — Date: 1-12-54

Radial Plot or Stereoscopic Control extension by (III): E. L. Williams, S. G. Blankenbaker — Date: 1-21-54, 11-18-55

Stereoscopic Instrument compilation (III):
Planimetry J. Honick — Date: 1-27-54
Contours W. Heinbaugh — Date: 7-20-56

Manuscript delineated by (III): J. Honick, W. Heinbaugh — Date: 1-27-54, 7-20-56

Photogrammetric Office Review by (III): K. N. Maki (shoreline), L. Levin (interior) — Date: 1-2-56

Elevations on Manuscript checked by (II) (III): L. Levin — Date: 1-2-56

M-2618-12(4)

T-11327

Camera (kind or source) (III):

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42103, 4, 5	9-25-53	1:03-1:05	1:20,000	3.2 ft. above MLLW
42156, 7, 8, 9	"	2:35-2:39	"	3.4 " " "
42163, 4, 6	"	2:45-2:47		3.4 " " "
42135, 6, 8	"	2:10-2:15		3.4 " " "

Tide (III)

	Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
Reference Station: *Sweeper Cove			3.7
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): Date:

Final Drafting by (IV): J. Dempsey Date: 3-27-58

Drafting verified for reproduction by (IV): W.O. Hallein Date: 6-2-58

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):

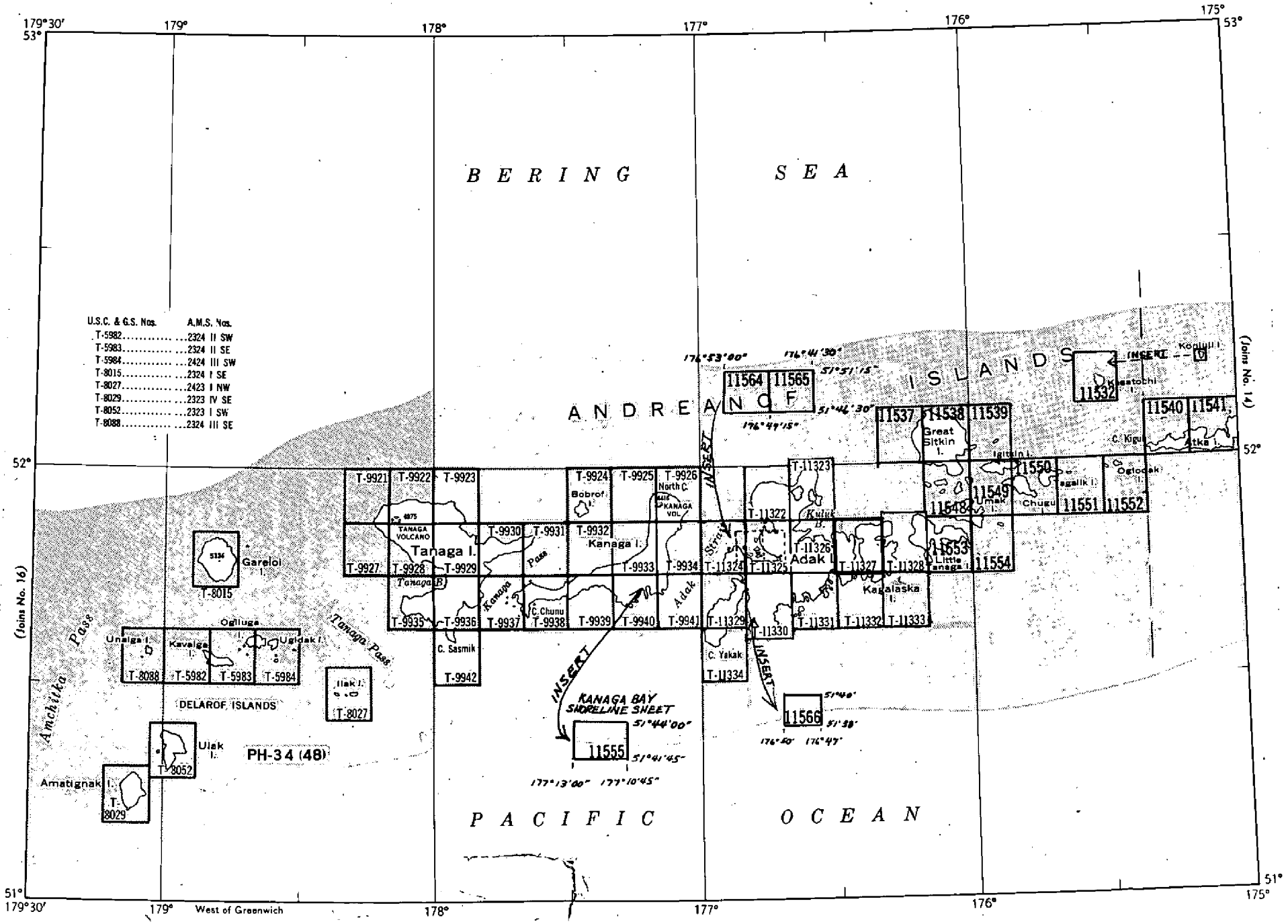
Remarks: Tide Data

	Time Differences	Ratio of Ranges
Northern Entrance to Kagalaska Strait	0.0	1.0
Southern " " " "	-1.30	1.0

Tide data furnished by Tides and Currents Division 11-21-55.

TOPOGRAPHIC MAPPING PROJECT

Aleutian Islands ALASKA Part B



FIELD INSPECTION REPORT

FOR

KAGALASKA STRAIT (See 1955 Field Inspection Report, filed with T-11326, for remainder of sheet)

PROJECT CS-343

See also Field Inspection Report with T-11330 thru T-11333

2. Areal Field Inspection

(a) Description of Area

The area covered in this field inspection report is between Adak and Kagalaska Islands and is known as Kagalaska Strait. The strait is approximately eight miles long and varies from one-quarter to one and one half miles in width with the longer dimension running north and south. Mountain ranges run parallel and about one mile inland from the shores of the strait. About midway along the range on the west side there is a gap approximately one mile wide in the mountains. Blind Cove, Blind Point, Laska Cove, Campers Cove, Kaga Pt., Campers Point, Galas Pt. (charted names) and Adak Bight are prominent natural features in this area.

The terrain is covered with tundra and moss with some areas of bare rock. The beaches are rugged rock except for areas in Blind Cove, Laska Cove, Campers Cove, Adak Bight, a small area one half mile north of Galas Point, and a one mile stretch of beach north from Campers Point, where the beaches are composed of boulders.

The general drainage pattern is of the dendritic form. The water drains down the slopes of the mountains into streams and small lakes which empty into the strait.

(b) Field Inspection

Most of the shoreline was field inspected on the beach in conjunction with the hydrographic and triangulation signal building parties. The remainder of the shoreline was inspected from a launch running parallel to the shore.

This field inspection is believed to be standard for this type of area.

No interior inspection was done.

(c) Quality of Photographs

These single lens photographs taken by the U.S. ~~Navy~~ A.F. in 1943 gave adequate coverage and were satisfactory for shoreline inspection and triangulation identification.

Their scale of 1:26,000 made it difficult to compare distances and positions of natural features and signals on the photos with those on the topographic and hydrographic sheets. The fact that some of the natural features have changed slightly in the ten years since these photos were flown had some effect on the field inspection and triangulation identification. All of the sub points selected, appeared to be the same as they were ten years ago.

3. Horizontal Control

The triangulation scheme was extended from the east side of Kagalaska Island, along the southern end of the island, and connected to the triangulation at the southern end of Kagalaska Strait. This is described in "Triangulation Report, Ship PATHFINDER, 1953. Information pertinent to the identification of stations is on the attached M-2226-12 forms.

All of the triangulation stations, recovered and established, were identified on the photographs. The reason for the accuracy of identification being negative for a few of the stations is explained under remarks on the corresponding M-2226-12 forms.

Nearly all of the hydro signals were located by graphic control resulting in many of them being poor photo points. 27 of the hydro signals were located on the photos. The graphic location of these signals may be easier to use than transferring the photo location to the photographs that were to be flown this year. A list of these stations and the photos on which they are identified follows this report.

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

Second Order	Third Order
BALDY, 1953	CODES, 1953
BRAVE, 1953	GONEF, 1953
CLIFF, 1953	HAMAN, 1953
CLIMB, 1953	LIPON, 1953
MUNZI, 1953	QUAIL, 1953
PARTY, 1953	SWING, 1953
RAGGY, 1953	
SHARP, 1953	
TRAIT, 1953	

The following topographic stations (n.m.) were established by fourth-order theodolite cuts:

ABLE, 1953

BAKE, 1953

CHAR, 1953

DOUB, 1953

FOUL, 1953

(b) All horizontal control is computed on N.A. 1927 datum and no datum adjustments are necessary.

(c) All control was established by the Coast and Geodetic Survey or by the U.S. Navy and was computed and adjusted by the Coast and Geodetic Survey.

(d) All stations required for the extension of the triangulation network (see SUPPLEMENTAL INSTRUCTIONS PROJECT CS-343) were recovered or established and identified.

(e) The following horizontal control stations were identified:

STATION	IDENTIFIED ON PHOTO NO.	FLIGHT STRIP	ORDER OF ACCURACY
ABLE, 1953	206	41	fourth
BAKE, 1953	206	41	fourth
BALDY, 1953	210	41	second
BAW 2, 1945	6	37	second
BIGHT (USN 1933) 1945	6	36	second
BLIND, 1945	3	36	second
BOOT, (USE) 1943	205	41	second
BRAVE, 1953	209	41	second
CAMP, 1945	6	36	second
CHAR, 1953	206	41	fourth
CLIFF, 1953	3	11	second
CLIMB, 1953	211	41	second

STATION	IDENTIFIED ON PHOTO NO.	FLIGHT STRIP	ORDER OF ACCURACY
CODES, 1953	209	41	third
CUM 2, 1945	162	41	second
DEW 2, 1945	162	41	second
DOUB, 1953	206	41	fourth
FOUL, 1953	6	20	fourth
GONEF, 1953	147	41	third
GUL (USN 1934) 1953 sub pt	2	11	second
HAMAN, 1953	209	41	third
HOGAN, 1946	40	39	second
HUMP, 1945	7	11	second
JAL (USN 1933) 1945	14	20	second
KAGA, 1945	163	41	second
LASKA, 1945	14	20	second
LAST 2, 1945	208	41	second
LIPON, 1953	157	41	third
MUNZI, 1953	208	41	second
NOB (USN 1933) 1945	99	40	second
PARTY, 1953	9	20	second
PIL (USN 1933) 1945	42	39	second
QUAIL, 1953	3	43	third
RAGGY, 1953	146	41	second
REM (USN 1934) 1953	93	40	second
R.F. 1, 1945	7	37	second
R.F. 2, 1945	3	36	second

STATION	IDENTIFIED ON PHOTO NO.	FLIGHT STRIP	ORDER OF ACCURACY
RID (USN 1933) 1945	138	40	second
SAS (USN 1933) 1945	162	41	second
SHARP, 1953	210	41	second
SPUD, 1945	8	11	second
SWING, 1953	208	41	third
TEL (USN 1934) 1953	7	20	second
TRAIT, 1953	6	11	second
WAR (USN 1933) 1945	43	39	second

4. Vertical Control

(a) The only benchmarks in this area are tidal benchmarks at Laska Cove and Adak Bight. These tidal benchmarks were not identified nor used to establish elevation of vertical control points.

(b) All elevations were established by trigonometric leveling from observations at horizontal control stations. The elevations of the recovered and established stations on the east and south sides of Kagalaska Island were based on observations from REM (USN) 1953 and TEL (USN)1953 to FOUL 1953. The charted elevation of FOUL 1953 was 5', which was verified by field inspection from a launch. The elevations of the horizontal control stations in Kagalaska Strait were based on the elevations of CAMP 1945, KAGA 1945, and LASKA 1945 which were determined by level rod readings on the water surface.

Vertical angles were observed on seven peaks from two or more horizontal control stations. The elevations of the peaks could not be determined without accurate horizontal distances from the stations to the peaks. These distances can not be determined until the photos have been radially plotted. The peaks observed and identified were not visited so their identification is doubtful. The peaks were lettered for identification. The "Abstract of Zenith Distances" for the peaks are attached to this report. The highest point of the peak was observed in each case except for peak "A". A small nub west of the highest point of the peak was observed as Peak "A".

(c) Vertical control points were identified as follows:

STATION	PHOTO NO.	STRIP	*ELEVATION IN FEET ABOVE MHW
ABLE, 1953	206	41	10.6
BAKE, 1953	206	41	100.3
BALDY, 1953	210	41	31.2
BAW 2, 1945	6	37	29.1
BRAVE, 1953	209	41	1558.7
CAMP, 1945	6	36	5.4
CLIFF, 1953	3	11	1153.9
CLIMB, 1953	211	41	1558.0
CODES, 1953	209	41	33.8
CUM 2, 1945	162	41	227.9
DOUB, 1953	206	41	60.4
FOUL, 1953	6	20	5.0
GONEF, 1953	147	41	269.6
GUL (USN) 1953	2	11	48.6
HAMAN, 1953	209	41	24.9
HUMP, 1945	7	11	177.3
JAL (USN 1933) 1945	14	20	25.7
KAGA, 1945	163	41	12.2
LASKA, 1945	14	20	9.9
LAST 2, 1945	208	41	124.2
LIPON, 1953	157	41	33.7
MUNZI, 1953	208	41	93.3
NOB (USN 1933) 1945	99	40	44.8
PARTY, 1953	9	20	404.8
QUAIL, 1953	3	43	26.5

STATION	PHOTO NO.	STRIP	*ELEVATION IN FEET ABOVE MHW
RAGGY, 1953	146	41	666.7
REM (USN) 1953	93	40	156.1
RID (USN 1933) 1945	138	40	130.6
SAS (USN) 1933	162	41	34.0
SHARP, 1953	210	41	91.4
SWING, 1953	208	41	12.7
TEL (USN) 1953	7	20	85.8
TRAIT, 1953	6	11	951.5
PEAK "A"	7	37	not computed
PEAK "B"	4	36	not computed
PEAK "C"	101	40	not computed
PEAK "D"	98	40	not computed
PEAK "E"	164	41	not computed
PEAK "F"	161	41	not computed
PEAK "G"	160	41	not computed

* These elevations are based on preliminary triangulation computations and are subject to changes.

5. Contour and Drainage

No contouring was done in this area. The drainage pattern is described in AREAL FIELD INSPECTION.

6. Woodland Cover

There is no woodland cover. The only vegetation present is moss and tundra.

7. Shoreline and Alongshore Features

(a) The shoreline was field inspected at various points where parties landed and from a launch running inshore. The mean high-water line is obvious on most of the shoreline. In the areas of boulder beaches the MHWLis distinguishable on the photographs by the color tone change from dark to light. Along the rugged rock shoreline, the MHWL is on the vertical face of the rock.

(b) The low water line is not defined on the photos. In the areas of rocky shoreline the LWL is also on the vertical face of the rocks. The approximate LWL and/or the outline of foul areas is indicated on the photographs.

(c) Most of the foreshore is rock except in the areas of boulder beaches where the foreshore is composed of boulders. These types of shoreline are indicated on the field photographs.

(d) The bluffs and cliffs are obvious on the photographs.

(e) There are no shoreline structures in the strait. The hut shown in Campers Cove on U.S.C.& G.S. Chart No. 9141 was not found. A small shack was found in Blind Cove and its position is the same as hydro signal HUT.

8. Offshore Features

Offshore features visited:

40-ft. (estimated) rock on which triangulation station R.F. 2, 1945 is located.

93-ft. island on which triangulation station MUNZI, 1953 is located.

SILAK ISLAND - 156 ft. island in LITTLE TANAGA STRAIT.

ABLE - offshore rock 10.6 ft. above MHW.

BAKE - offshore rock 100 ft. above MHW.

DOUB- offshore rock 60 ft. above MHW.

FOUL - offshore rock 5 ft. above MHW.

9. Landmarks and Aids

Inapplicable.

10. Boundaries, Monuments and Lines

Inapplicable.

11. Other Control

27 Photo-hydro stations are listed at the end of this report with the photograph numbers on which each is identified. The rest of the control used is listed in SIDE HEADING 3- HORIZONTAL CONTROL.

12. Other Interior Features

Inapplicable.

13. Geographic Names

The number of geographic names in this area is so small that a special report on this subject is not warranted. This area is uninhabited so there are no natives to contact regarding the use of local names.

Only charted names have been used in connection with the records and reports.

The following is a list of the charted (U.S.C.& G.S. Chart No. 9141) names:

Adak Bight	Kagalaska Island
Adak Island	Kagalaska Strait
Black Point	Kaga Point
Blind Cove	Laska Cove
Blind Point	Little Tanaga Strait
Boot Point	Oglala Point
Cabin Cove	Quail Bay
Campers Cove	Ragged Point
Campers Point	Sharp Cape
Cemetery Point	Silak Island
Chaika Rock	Thunder Point
Galas Point	

It is recommended that these charted names be retained as correct.

14. Special Reports and Supplemental Data

Supplemental data includes other phases of field work-triangulation, hydrography and Coast Pilot notes.

Data forwarded with this report:

Field Photographs.
Control Stations Identification Cards.

From Stations: CAMP, 1945; LASKA, 1945; RID, 1945; KAGA, 1945:

Observations of Zenith Distances.
Abstract of Zenith Distances.
Abstract of Means of Zenith Distances for Peaks.
Computations of Elevations.

Data forwarded 16 November 1953:

Record Books, Horizontal Directions.
Record Books, Horizontal Angles.
Record Books, Double Zenith Distances.
Descriptions of Triangulation Stations.
Recovery Notes of Triangulation Stations.

Data to be forwarded:

Abstracts of Horizontal Directions.
Lists of Horizontal Directions.
Computations of Triangles.
Geographic Positions Computations.
Lists of Geographic Positions.
Abstracts of Zenith Distances.
Descriptive Report for Hydrographic Sheet PF-1153.
Descriptive Report for Hydrographic Sheet PF-1253.
Coast Pilot Notes.
Coast and Beach Intelligence Report.
Magnetic Observations, LASKA, 1945.

Respectfully submitted:

Robert C. Munson

ROBERT C. MUNSON
Ensign, USC&GS

Approved, forwarded:

K.G. Crosby

K.G. CROSBY
Captain, USC&GS
Comdg., Ship PATHFINDER

PHOTO-HYDRO STATIONS IDENTIFIED

NAME	PHOTO NO	PHOTO STRIP	NAME	PHOTO NO	PHOTO STRIP
ADO	15	20	HUT	3	36
APT	6	36	JIM	15	20
ARM	163	41	KEN	137	40
BAT	3	36	KEY	6	36
CAR	14	20	KID	3	37
CON	45	36	MAX	13	20
COW	15	20	MOO	3	36
DAW	3	37	NED	162	41
ERA	44	36	NEO	6	41
FED	6	36	NEW	163	41
GAL	163	41	PET	6	36
HEM	6	36	PIG	3	37
HER	6	36	RUB	81	40
HEX	3	37			

SHORELINE INSPECTED

NO	PHOTO STRIP	NO	PHOTO STRIP
1	20	44	39
13	20	45	39
15	20	81	40
1	35	99	40
3	36	157	41
6	36	162	41
3	37	163	41
		206	41

T-11327

RADIAL PLOT REPORT

(See descriptive report for ~~T-11326~~ T-11330 thru T-11333)

Photogrammetry

MAP T- 11327 PROJECT NO. Fh-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 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)
BLIND, 1945	G-6834 Pg.192	N.A. 1927	51	50	05.034				155.6	(1698.8)		
			176	26	45.262				866.7	(282.2)		
BIGHT (USN 1933) 1945	G-6834 Pg.193	"	51	46	37.747				1166.6	(687.8)		
			176	25	33.390				640.2	(510.2)		
Sub Point BIGHT (USN 1933) 1945		"	51	46					1114.2	(740.2)		
			176	25					710.6	(439.8)		
BAW 2, 1945	G-6834 Pg.192	"	51	50	19.881				614.5	(1239.9)		
			176	25	12.407				237.5	(911.3)		
Sub Point BAW 2, 1945		"	51	50					610.7	(1243.7)		
			176	25					240.3	(908.5)		
CLIFF, 1953 Elev. 1155 ft.	Unadj. Field Comp.	"	51	46	41.~~484~~ 57	EAST OF SURVEY			1282.~~1~~ 1.3	(578.~~3~~ 3.6)		
			176	17	00.~~485~~ 57				~~9.3~~ 8.8	(1141.~~0~~ 5)		
CAMP, 1945	G-6834 Pg.193	"	51	47	06.651				205.6	(1648.8)		
			176	25	44.555				854.1	(296.1)		
Sub Point CAMP, 1945		"	51	47					205.3	(1649.1)		
			176	25					834.6	(315.6)		
CUM 2, 1945 Elev.= 229'	G-6834 Pg.193	"	51	45	33.382				1031.7	(822.7)		
			176	25	13.002				249.4	(901.4)		
Sub Point CUM 2, 1945		"	51	45					1049.5	(804.9)		
			176	25					259.5	(891.3)		
CLIMB, 1953 Elev. 1559 ft.	Unadj. Field Comp.	"	51	45	48.~~114~~ 081	EAST OF SURVEY			1487.0 6	(368.4 8)		
			176	18	35.~~263~~ 41				676.~~3~~ 5.8	(474.~~4~~ 8)		
HOGAN, 1946	G-6991 Pg.282	"	51	52	11.827				365.5	(1488.9)		
			176	21	35.510				679.4	(468.6)		

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 12/30/53 CHECKED BY: A. Queen DATE 1/4/53

M-2388-12

Photogrammetry

MAP T- 11327 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 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)
WAR (USN 1933) 1945	G-6834 Pg.191	N.A. 1927	51	50	55.866				1726.7	(127.7)		
			176	25	20.912				400.3	(748.2)		
Sub Point WAR (USN) 1933		"	51	50					1703.5	(150.9)		
			176	25					395.1	(753.4)		
TEL (USN) 1934 Elev. 88 ft.	G-6829 ~~Pg.159~~ ~~x~~ 819	"	51	49	~~07.000~~ 6.952	EAST OF SURVEY			216.3 5.8	(1638.1) 8		
			176	15	57.363 4				1098.8 4	(50.5) 9		
REM (USN) 1934 Elev. 158 ft	G-6829 ~~Pg.160~~ ~~x~~ 818	"	51	48	54.968 51	EAST OF SURVEY			1698.8 4	(155.5) 6.0		
			176	14	29.911 884				573.0 2.5	(576.4) 9		
Elev. 1781 ft. PEAK F, 1953	Unadj. Field Positions 819	"	51	45	56.972 2				1768.8 59.2	(93.8) 5.2	879.6	47.6
			176	21	56.876 92				1090.7 1.6	(59.2) 0	545.8	29.5
PEAK G, 1953 Elev. 1772	"	"	51	45	20.048 5				619.6 5	(1234.8) 9	309.8	617.5
			176	21	04.207 164				80.7 79.9	(1070.2) 1.0	40.0	535.5
GONEF, 1953 Elev. 272 ft.	" "	"	51	45	52.458 27	EAST OF SURVEY			1627.3 0	(238.1) 4		
			176	17	29.315 289				562.2 1.7	(588.5) 9.0		
Sub Pt. GONEF, 1953	"	"	51	45		EAST OF SURVEY			1620.6	(233.8)		
			176	17					569.2	(581.5)		
QUAIL, 1953 Elev. 26 ft.	" "	"	51	45	05.245 14	EAST OF SURVEY			1622.2 11	(1698.2) 3.3		
			176	17	57.306 278				1099.3 8.8	(51.7) 2.5		
Sub Pt. QUAIL, 1953		"	51	45		EAST OF SURVEY			195.4	(1659.0)		
			176	17					1135.5	(15.5)		
THUNDER, 1945	G-6834 Pg.191	"	51	50	54.854				1695.4	(159.0)		
			176	28	09.861				188.8	(959.7)		
BAD 2, 1945	G-6834 Pg.191	"	51	50	07.250				224.1	(1630.3)		
			176	25	57.249				1096.2	(52.7)		

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 12/30/53 CHECKED BY: A. Queen DATE 1/4/54

M-2388-12

Photogrammetry

MAP T-11327 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 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)
DEW 2, 1945	G-6834 Pg.191	N.A. 1927	51	46	03.882				120.0	(1734.4)		
			176	23	55.857				1071.2	(79.4)		
Sub Point DEW 2, 1945			51	46					92.0	(1762.4)		
			176	23					1076.6	(74.0)		
GUL (USN) 1934 Elev. 50 ft.	~~G-6829 Pg.160~~ V 818	"	51	46	47.84 33	EAST OF SURVEY			1478.~~6~~ 4	(375.~~8~~ 6.8)		
			176	15	35.~~12~~ 085				673.~~3~~ 2.6	(477.~~0~~ 9)		
Sub Point GUL (USN) 1934			51	46		EAST OF SURVEY			1478.4	(376.0)		
			176	15					681.0	(469.3)		
HAMAN, 1953 Elev. 25 ft.	Unadj. Field Comp. V 818	"	51	45	13.9~~97~~ 61	EAST OF SURVEY			432.~~6~~ 1.5	(1421.~~8~~ 2.8)		
			176	19	03.869 41				74.~~2~~ 3.5	(1076.~~7~~ 2.1)		
Sub Point HAMAN, 1953			51	45		EAST OF SURVEY			435.9	(1418.5)		
			176	19					98.0	(1052.9)		
JAL (USN 1933) 1945	G-6834 Pg.191	"	51	49	12.928				399.6	(1454.9)		
			176	24	51.929				994.6	(154.6)		
Sub Point JAL (USN 1933) 1945			51	49					424.9	(1429.6)		
			176	24					990.6	(158.6)		
KAGA, 1945	G-6834 Pg.193	"	51	45	15.268				471.9	(1382.5)		
			176	24	01.319				25.3	(1125.6)		
Sub Point KAGA, 1945			51	45					465.2	(1389.2)		
			174	24					20.0	(1130.9)		
LASKA, 1945	G-6834 Pg.192	"	51	49	32.807				1014.0	(840.4)		
			176	24	28.316				542.3	(606.8)		
Elev. 33 ft. LIPON, 1953	Unadj. Field Comp. V 819	"	51	46	29.1~~47~~ 20	E of Survey			900.8 2	(953.~~6~~ 4.4)		
			176	16	26.~~124~~ 097				500.~~8~~ 3	(649.~~5~~ 50.1)		

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 12/30/53 CHECKED BY: A. Queen DATE 1/4/54

M-2388-12

Photogrammetry

MAP T- 11327 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 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)
NOB (USN 1933) 1945	G-6834 Pg.191	N.A. 1927	51	47	45.474				1405.5	(448.9)		
			176	24	40.818				782.3	(367.6)		
Sub Point NOB (USN 1933) 1945		"	51	47					1326.4	(528.0)		
			176	24					715.6	(434.3)		
PIL (USN) 1934	G-6829 Pg.161	"	51	52	03.733				115.4	(1739.0)		
			176	23	56.079				1073.0	(75.1)		
PARTY, 1953	Unadj. Field Comp. 818	"	51	47	53.836				1663.2	(190.5)		
			176	16	22.977				440.3	(709.5)		
R.F. 1, 1945	G-6831 Pg.174	"	51	52	07.159				221.3	(1633.1)		
			176	23	56.602				1083.0	(65.0)		
R.F. 2, 1945	G-6831 Pg.173	"	51	51	19.826				612.8	(1241.6)		
			176	27	52.341				1001.8	(146.6)		
RID (USN 1933) 1945	G-6834 Pg.192	"	51	48	29.471				910.9	(943.5)		
			176	25	47.779				915.5	(234.0)		
Sub Point RID (USN 1933) 1945		"	51	48					1026.3	(828.1)		
			176	25					979.5	(170.0)		
SAS (USN 1933) 1945	G-6834 Pg.193	"	51	46	43.348				1339.8	(514.6)		
			176	24	11.609				222.6	(927.7)		
Sub Point SAS (USN 1933) 1945		"	51	46					1310.8	(543.6)		
			176	24					208.8	(941.5)		
TRAIT, 1953 Elev. 952 ft.	Unadj. Field Comp. 818	"	51	45	20.685				639.3	(1215.1)		
			176	22	44.032				844.6	(306.3)		
Sub Point TRAIT, 1953		"	51	45					652.0	(1202.4)		
			176	22					834.6	(316.3)		

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 12/30/53 CHECKED BY: A. Queen DATE 1/4/54

M-2388-12

- 16D -

Photogrammetry

MAP T- 11327 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 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)
STEEP, 1945	G-6834 Pg.191	N.A. 1927	51	49	25.251				780.4	(1074.0)		
			176	27	17.392				333.1	(816.1)		
SLOPE, 1945	G-6834 Pg.191	"	51	47	48.166				1488.7	(365.7)		
			176	27	14.432				276.6	(873.3)		
JIM (USE) 1943	G-6834 Pg.192	"	51	45	25.652				792.8	(1061.6)		
			176	27	25.330				485.9	(665.0)		
Sub Pt. REM (USN) 1934			51	48					1701.3	(153.1)		
			176	14					583.6	(565.8)		
~~Peak E, 1953 Elev. 1637 ft.~~	~~I 820~~		~~51 - 45 - 34.79~~			~~G.P + elevation~~			~~1075.3~~	~~(779.1)~~		
			~~176 - 27 - 12.57~~			~~incorrect. ZZ~~			~~239.9~~	~~(910.9)~~		

1 FT. = .3048006 METER

COMPUTED BY: A. Queen DATE 1/4/54 CHECKED BY: J. Steinberg DATE 1/11/54

M-2388-12

- 19 E -

COMPILATION REPORT

T-11327

31. DELINEATION:

The major portion of the shoreline of this manuscript, Kagalaska Strait, was compiled by the Baltimore Photogrammetric Office, using positype photographs. Field inspection was available on 1:26,000, US ~~Navy~~ A.F. photographs taken in Summer 1943.

The remainder of the shoreline was compiled by the Washington Graphic Compilation Unit on metal-mounted photos, using 1955 field inspection.

The contours and interior detail were compiled onto a reverse black-line impression of the advance shoreline manuscript. on the Reading Nine lens plotter.

32. CONTROL:

See radial plot report. The majority of the vertical control furnished by the 1953 field inspection party was not used, to orient the stereo models inasmuch as the stations were located adjacent to the shoreline.

One unchecked triangulation station (PK E, 1953) was found to be in error. The plotted position fell on the side of a steep slope. A Form 525 card was submitted to Geodesy Division. All other vertical control was held.

33. SUPPLEMENTAL DATA:

Contact prints of AAF, 1:26,000, 1943 photography

34. CONTOURS AND DRAINAGE:

Due to small areas of dense shadows and clouds it was necessary to use the above-listed photos for contouring and drainage.

35 and 36. SHORELINE, ALONGSHORE AND OFFSHORE DETAILS:

The shoreline inspection was adequate.

37. LANDMARKS AND AIDS: None.

38. CONTROL FOR FUTURE SURVEYS: No topographic stations were established.

39. JUNCTIONS:

Junction was made with all adjoining sheets.

40. HORIZONTAL AND VERTICAL ACCURACY:

See Paragraph 32 and Radial Plot Report.

46. COMPARISON WITH EXISTING MAPS:

Adak Island, C.E., 1943, 1:25,000, Sheets Nos. 6 and 10

47. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 9141, corr. to 11-30-53

Submitted:

Louis Levin
Louis Levin
Supervisory Cartographer

Approved:

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

T-11327

GEOGRAPHIC NAME LIST

ADAK BIGHT

ADAK ISLAND

BOOT BAY

BERING SEA

BLACK PT.

BLIND PT.

BLIND COVE

CAMPERS COVE

CAMPERS PT.

GALAS PT.

KAGALASKA ISLAND

KAGALASKA STRAIT

LASKA COVE

THUNDER PT.

UPPER ARM

Review Report
Topographic Map T-11327
October 1956

62. Comparison with Registered Topographic Surveys:

T-6940	U.S.N.	1:40,000	1934
T-6941	U.S.N.	1:40,000	1933
T-7000b		1:10,000	1945
T-7063a		1:10,000	1946

Differences exist between these surveys. The completely detailed topographic survey T-11327 with adequate control is to supersede the above-listed surveys for nautical charting purposes for common areas.

63. Comparison with Maps of other Agencies

Adak Island (Sheets 5, 6, 9 and 10 of 10), AMS 1:25,000 1943

Kagalaska Island, AMS 1:25,000 1943

Generally, there is good agreement in the topographic features of these surveys. Shoreline and foreshore differ considerably, partially because of a difference in datum (AMS maps based on local datum). T-11327 appears more completely detailed, and will be printed by AMS to replace 1943 publication.

64. Comparison with Contemporary Hydrographic Surveys:

H-7079	1:10,000	1945 (with add. work of 1955)
H-7605	1:30,000	1946
H-8070	1:10,000	1953
H-8071	1:10,000	1953
H-8239	1:20,000	1955

Advance shoreline of T-11327 was furnished for affected hydrographic surveys. There are no major discrepancies between these surveys.

65. Comparison with Nautical Charts:

9141	1:30,000	1944	corrected to 52 9/29
9193	1:120,000	1953	corrected to 54 7/5

There are minor differences in shoreline. Inshore detailing, particularly contours, differs considerably between this survey and chart #9141 (9193 being too small in scale for adequate comparison).

66. Adequacy of Results and Future Surveys:

Field inspection of shoreline and offshore features appears adequate. Lack of inshore inspection (except for control) may have resulted in minor errors in office interpretation. Other than these, no deficiencies in accuracy and adequacy were indicated.

Reviewed by:

Joseph J. Streifler

APPROVED:

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

Max B Ricketts
Chief, Nautical Chart Branch
Charts Division

for
Chief, Photogrammetry Division

Chief, Coastal Surveys

Summary to Accompany Topographic Map T-11327

This is one of Project 6034 (Ph-34). It covers Kagalaska Strait (except south entrance) and adjoining portions of Adak and Kagalaska Islands (Andreanof Islands) of the Aleutian Islands.

Shoreline and foreshore features were compiled graphically with benefit of 1953 field inspection of U. S. Air Force photographs of 1943. This advance shoreline manuscript of T-11327 was furnished for use by the 1955 hydrographic party. Subsequent field edit corrections were applied to the final map manuscript. 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 the scale of 1:25,000.

A ~~cloth-backed, lithographic print~~ Cronar film positive 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.

October 1956

History of Hydrographic Information for T-11327

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-8070 and H-8071, 1:10,000 1953 (for Kagalaska Strait)
H-8239, 1:20,000 1955 (for small portion of Boot Bay)
H-7079, 1:10,000 1945 (for NW Corner)
Blueprints 52895 and 52896 of H-8240, 1:20,000 1955 (for N.E. Section)
and Nautical Chart 9141, 1:30,000 1944 - with corr. to 52 9/29 (for Upper Arm - of Cabin Cove)

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

J. J. Streifler

In reply address not the sender 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

[redacted]

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

Subj: 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-mkl 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

[redacted]

Geographic Names. T-11327.

Alaska) for title
Aleutian Islands) " "
Andreanof Islands) " " (if desired)

Adak Bight
Adak Island

Bering Sea
Black Point
Blind Cove
Blind Point
Boot Bay

Campers Cove
Campers Point.

Galas Point

Kagalaska Island
Kagalaska Strait

Iaska Cove

Thunder Point

Upper Arm (of Cabin Cove, which would make name more definite)

Names approved 8-20-56
L. Heck

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 11327

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5-24-60	9141	L.V.E.	~~Before~~ After Verification and Review
11-6-61	9119	WHW	~~Before~~ After Verification and Review
2/16/66	9193	John R. Weir	~~Before~~ After Verification and Review thru ch 9141 Ap #1
			considered fully applied until reconstruction
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.