# 11327

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<u>.                                    </u>			Form 504	
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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
<u> 19# 53-</u> 55
CHIEF OF PARTY K.G.Crosby, Chief of Field Party L.W.Swanson, Div. of Photo. Wash.,D.
LIBRARY & ARCHIVES

September, 1958

8-1870-1 (!)

Partly applied to Clost 9141 to be considered final application until chart is seconstructed staylor

Reconstruction
11-6-62
WWW

#### 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

Date received in Washington Office (IV):

Stereoscopic Plotting Instrument Scale (III): 1:20

1:20,000

Scale Factor (III): 1.

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

927 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=

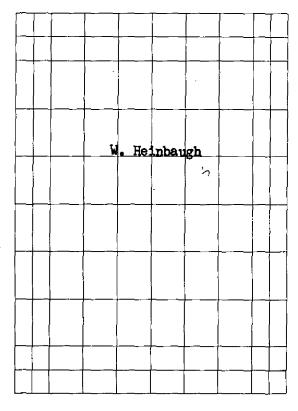
X=

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.

Form T- Page 1

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

1-8-54 Date:

Control checked by (III):

J. Steinberg

1-12-54 Date:

Radial Plot or Stereoscopic

E. L. Williams

1-21-54 Date:

Control extension by (III):

S. G. Blankenbaker

11-18-55

**Planimetry** 

L. Levin

J. Honick

(interior)

1-27-54 Date:

Stereoscopic Instrument compilation (III):

W. Heinbaugh Contours

7-20-56 Date:

Manuscript delineated by (III): J. Honick

W. Heinbaugh

Date:

1-27-54 7-20-56

Photogrammetric Office Review by (III): K. N. Maki (shoreline)

Date:

 $\mathbf{H}$ 

1-2-56

Elevations on Manuscript

checked by (II) (III):

L. Levin

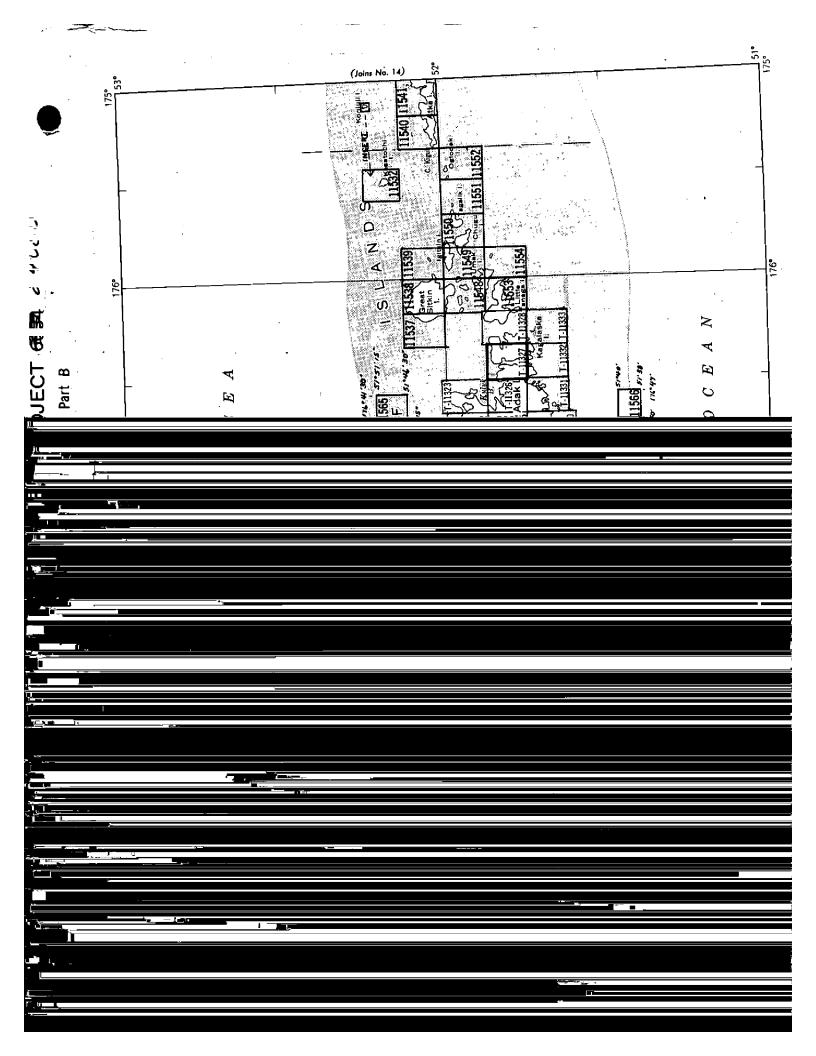
Date:

1-2-56

. Camera (kind or source) (ill):

Number	Date	PHOTOGRAPHS (I Time	II) Scale	Stag	e of Tide
42103, 4, 5 42156, 7, 8, 9 42163, 4, 6 42135, 6, 8	9-25-53 ""	1:03-1:05 2:35-2:39 2:45-2:47 2:10-2:15	1:20,000	3.2 f 3.4 3.4	t. above MLLW n n n n n n n
,	·				
		Tide (III)		Ratio of   Mean	
Reference Station Subordinate Station Subordinate Station	on:	ove		Ranges Range	3.7
Washington Office	Review by (IV):			Date:	
Final Drafting by	(IV): J. Demps	ey		Date: 3-2	
Drafting verified f	or reproduction by (IV	: W.O. Hallerin		Date: 6-2	2-58
Proof Edit by (IV):				Date:	
Shoreline (Less the Control Leveling - Number of Triang Number of BMs son Number of Recovery (1988)	nan 200 meters to opp nan 200 meters to opp Miles (II): ulation Stations searc	osite shore) (III): hed for (II): established (III):	Recovered: Recovered:	. Identified: Identified:	
Remarks: <b>Ti</b>	de Data		Time Dif	ferences	Ratio of Ranges
Northern	Entrance to Kag	galaska Strait	0.		1.0
Southern	11 <b>11</b>	n n	-1.	30	1.0

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



FOR

KAGALASKA STRAIT (see 1955 Field Impection Report, filed with T-11326, for remainder PROJECT CS-313 of theet)

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#### 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

Ţu	n <u>parallel</u>	and	about	one	mile_	<u>inland</u>	from	the	shores	of	the
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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	0rder		Third (	rder
BALDY,	1953		CODES,	1953
BRAVE,	1953 .		GONEF,	1953
CLIFF,	1953		HAMAN,	1953
CLIMB,	1953	•	LIPON,	1953
MUNZI,	<u> 19</u> 53		QUAIL,	1953

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

ABLE, 1953

BAKE, 1953

CHAR, 1953

DOUB, 1953

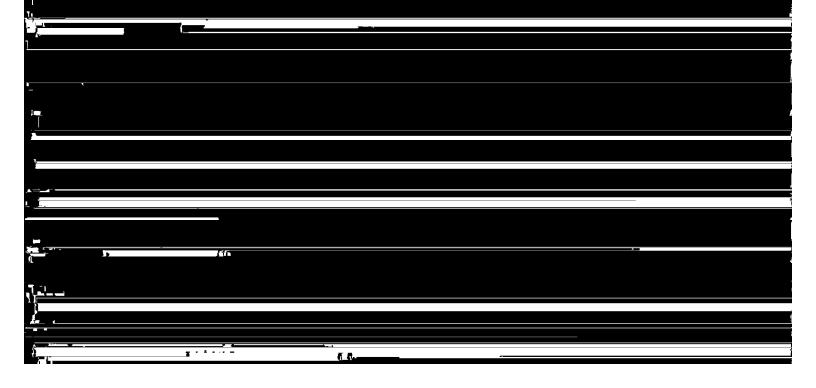
FOUL, 1953

- (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	NO.	FIED ON PHOTO 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
<u> </u>	3	וו	e e v vnd

Page 4

STATION	IDENTII <u>NO</u> .	FLICHT 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 206 Pt	_ 2	11	second
HAMAN, 1953	209	41	thi rd
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



STATION		IED ON PHOTO 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	thi <b>r</b> đ
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".

Page 6
(c) Vertical control points were identified as follows:

NO.	PHOTO STRIP	*ELEVATION IN FEET ABOVE MHW
206	41	10.6
206	41	100.3
210	41	31.2
6	37	29.1
209	41	1558.7
6	36	5.4
3	11	1153.9
211	41	1558.0
209	41	33.8
162	41	227.9
206	41	60.4
6	20	5.0
147	41	269.6
2	11	48.6
209	41	24.9
7	11	177.3
5 14	20	25.7
163	41	12.2
14	20	9:9
208	41	124.2
157	41	33.7
208	41	93.3
5 99	40	44.8
9	20	404.8
3	43	26.5
	206 206 210 6 209 6 3 211 209 162 206 6 147 2 209 7 14 163 14 208 157 208 9 9	NO. STRIP  206 41  206 41  210 41  6 37  209 41  6 36  3 11  211 41  209 41  162 41  206 41  6 20  147 41  2 11  209 41  7 11  5 14 20  163 41  14 20  208 41  157 41  208 41  5 99 40  9 20

STATION	NO.	PHOTO STRIP	*ELEVATION IN FEET ABOVE MHW
RAGGY, 1953	146	41	666.7
REM (USN) 1953	93	40	156.1
RID (USN 1933) 1	945 138	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
Y PEAK "F"	161	41	not computed
√PEAK "G"	160	41	not computed

<sup>\*</sup> 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 runged mock shoreline, the MHWL is on the vertical face

- (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

40-ft. (estimated) rock on which triangulation station

R.F. 2. 1945 is located.

#### 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

Captain/USC&GS

Comdg., Ship PATHFUNDER

#### PHOTO-HYDRO STATIONS IDENTIFIED

NAME	PH <u>NO</u>	OTO STRIP	NAME	РН <u>NO</u>	OTO STRIP
		<del></del>		**************************************	<del></del>
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	<i>N</i> EO	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

	I	PHOTO		PHOTO ·
	NO	STRIP	NO NO	STRIP
	1	20	44	39
	13	20	45	39
	15	20	81	40
	1	35	99	40
₩.S.	3	36	157	41
	6	36	162	41
	3	37	163	41 20
<b>&gt;</b>	_		206	41

T-11327

## RADIAL PLOT REPORT

(See descriptive report for = 12726)

. .

STATION	0						0			Photogra	Photogrammetry
Colored   Colo	MAP T- 11327		PROJEC	CT NO.	Fh-34			20,000	SCALE FA	CTOR	
G-6834   N.A.   51		SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDI	E OR y-CO	ORDINATE SORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATU DISTANCE FROM GRID OR PROJECTIO IN METERS FORWARD (BA		CE TION LINE BACK)
176   26   15.262   866.7   (282.2)     176   25   33.390   1166.6   (687.6)     176   25   33.390   1111.2   (10.2)     176   25   33.390   1111.2   (10.2)     176   25   12.407   1111.2   (10.2)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.7)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   12.407   1111.2   (111.2)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.27   (111.2)   (111.2)   (111.2)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   25   13.002   10.31.7   (822.1)     176   27   13.002   10.31.7   (822.1)     176   28   29.25   (801.2)   (801.2)   (801.2)     176   29   20.25   (801.2)   (80		0-6834	N.A.	51	50	05.034				3.8)	
133   0-6834   51 46 37.747   1166.6 (687.8)     126 25 33.350   1 1114.2 (740.2)     126 25 33.350   1 1114.2 (740.2)     126 25 12.407   1114.2 (740.2)     126 25 12.407   1114.2 (740.2)     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   1114.3     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.1     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.651   126.2     126 25 12.407   126.6     126 26 26 26 26 26 26 26 26 26 26 2		rg.Tyc	1761	176	56	45.262			-	2.2)	
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176   25   12.407   1114.2 ( 740.2)   12.634   17.6   25   12.407   1114.2 ( 740.2)   17.6   25   12.407   17.6   ( 139.6)   17.6   25   12.407   17.6   ( 139.6)   17.6   25   12.407   124.77   ( 124.77 )   17.6   25   12.407   124.77   ( 124.77 )   17.6   25   14.6   17.404   17.6   17.6   25   14.6   17.404   17.6   17	× 1945	Pg.193	=	176	25	33.390			)	0.2)	
176   25   19.881   614.5 (1239.9)   176   25   12.407   610.5 (1239.9)   176   25   12.407   610.7 (1243.7)   176   25   12.407   610.7 (1243.7)   176   25   12.407   610.7 (1243.7)   176   25   17   17   17   17   17   17   17   1	Sub Foint			公	917				2 (	).2)	
C-6834	39.65		11	176	25				)	(8.6)	
176 25 12.407   610.7 (1243.7)   610.7	0	G-6834	=	51	50	19.881				9.6)	
176 25   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.3 (208.5)   240.5   240	63	16.476		176	25	.12.407			)	(•3)	
176   25   188   176   25   188	Foi			51	50				7 (	3.7)	N. I.
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County   C	1	Unadi.		51	97	はた日	OF		) , 7	\$(\$)	
G-6834		dopo.cife	/	74	17	187·00	/		17 (17 )	1	
176 25   14, 555   854.1 (296.1)   176 25   14,555   834.6 (315.6)   176 25   13.002   834.6 (315.6)   176 25   13.002   249.4 (901.4)   176 25   13.002   249.4 (901.4)   176 25   13.002   249.4 (901.4)   176 25   13.002   259.5 (891.3)   176 25   18.244   25   13.87 & 259.5 (891.3)   18.25 & 259.5 (1488.9)   176 21 35.510   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.9)   259.6 (1488.6)   259.6 (1488.9)   259.6 (1488.6)		G-6834	=	51	147	06.651				3.8)	
Control   Cont	V ONEL 9 1747	I 6.47.)		176	25	14.555			)	(10)	
G-6834	Sub Foint		=	51	47				,3 (	.1)	
G-6834 " 51 45 33.382	7747			176	25				) 9.	(9°5)	
176 25 13.002 249.4 (901.4)  176 25  176 25  176 25  176 25  176 25  176 25  176 25  176 25  176 27  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 28  176 21 35.510  176 21 35.510  177 279.4 (468.6)  177 279.4 (468.6)  177 279.53  177 279.4 (468.6)	0	G-6834	=	57	145	33.382			.7. (	(2.2)	
176 25   45   18.5   176 25   18.5	Elev= 289	18.173		176	25	13.002			~	(40-	
Unadirg	Foint		E	15.	45				_	(6*1	
Unadje 1	6, 1747			176	25				1	, (	
G-6991		Unadir.		51	157	48.5	Ex.	/	1	100	
G-6991		dont. 818	/	176	18	25.283		/	)	1	
**Steinberg	The state of the	1669-5		15	52	11.827			5	(6.8)	
• Steinberg DATE 12/30/53 CHECKED BY. A. Queen DATE 1/4/53	V HOGAN, 1940	18.coc		176	21	35.510			)	(9.8)	
	COMPUTED BY: J. St.	einberg	/Q		2/30/53		A.	neen	DATE		-2388-12
		•									

0						0			Photogrammetry
MAP T. 11327			PROJECT NO. Ph-34	Ph-34		SCALE OF MAP 1:20,000	000 0	SCALE FACTOR	OR.
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y- LONGITUDE OR x	: OR y-CO E OR x-C	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET.  OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
MAR (USN 1933) 1945	G-6834 Fg.191	N.A. 1927	51	25	55.866			1726.7 (127.7)	
Sub Point WAR (USN) 1933		E	51	25 25				395.1 (753.4)	
FEL (USN) 1934 V Elew, 88 H,	G-6829 FB-459	1	571	ST X	0 <del>7.363</del>	EAST OF SURVEY		216.3 (1638.2)	
1984 (NSU)	0-6829 Pe-160	=	571	177	54.958	EAST OF SURVEY	/	1698. § ( 159.5) 573.6-( 576.4)	
PEAK F, 1953	Unadia RIA	# -SI	51	45	56.972			10963 (59.8)	54518 29.5
PEAK G, 1953	=	=	51	45	20.048			619.8 (1234.8) 80.1 (1076.2)	309.8 617.5
GONEF, 1953 (	11 11	= /	51	17	52.128	EAST OF SURVEY		1622.3 (233.1) 562.3 (588.5)	
Sub Pt. GONEF, 1953	=	=/	51	17		EAST OF SURVEY		1620.6 ( 233.8)	
QUAIL, 1953	13 .	=/	51	17	57.348	EAST OF SURVEY		(年至691) 54391	
Sub Pt. QUAIL, 1953		"/	571	17		EAST OF SURVEY		1135.5 (1649.0)	- 161
THUNDER, 1945	G-6834 Fg.191	=	51	50	54.854			1695.4 (159.0)	3 -
K SBAD 2, 1945	G-6834 Pg.191	=	51	25	07.250			224.1 (1630.3)	
COMPUTED BY:	Steinberg		DATE 12/3	12/30/53		CHECKED BY:	oneen €	, 'DATE 1/4μ	1/4/54

0						0					Photogrammetry
MAP T-11327			PROJECT NO. Fh-3L	Ih-34;		SCALE OF MAP	P 1:20,000	000	SC	SCALE FACTOR	JR.
STATION	SOURCE OF INFORMATION (INDEX)		LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	OR y-COC	COORDINATE -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)		DATUM	N.A. 192 DIS' FROM GRID OR IN N	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)
UDEW 2, 1945	G-6834 Pg.191	N.A. 1927	57	7 97	03.882				120.0	(1734.4)	3
			176	23	55.857				1071.2	( 79.4)	
Sub Foint			7	97					92.0	(1762,4)	
			176	23					1076.6	(0.47)	
GUL (USN) 1934	6-6836 Fg. 160	=	51		47.843	EAST OF SURVEY			1478.64	(375.8)	
10 14	1818		176	X	35.385		/		673:30	( M7.6)	
GUL (USN) 1934			C	97		EAST OF SURVEY	/		1478.4	(376,0)	
	/		176	15	1		/	/	681.0 /	( 469.37	
. HAMAN, 1953	Fixe.	=	51		13.9	EAST OF SURVEY		/	435%	(1421-8)	/
Elev. 254,	No dipos		176	19 (	03.86g×				713.5	(4,9/01)	
Sub Foint HAMAN, 1953		/	51	45	4	EAST OF SURVEY			185.91	(5.8141)	/
	1007 0	/	176	19 0		/			98.86	(1052.9)	/
1945	Pg.191	=	公	149	12,928	·			399.6	(1454.9)	
Carl Traint	,		176	24	51.929				9.466	(154.6)	
JAL (USN 1933)	= 3		2	169					424.9	(1429.6)	
1945			176 .	24					9.066	(158.6)	
AKAGA, 1945	G-0034 Pg.193	=	17	45	15.268				471.9	(1382.5)	
Cash Indian			176	24 (	01.319				25.3	(1125,6)	
KAGA, 1945			五	45					1,65.2	(1389.2)	-
	100/0		174	24					20.0	(1130.9)	160
LASKA, 1945	G-0034 Pg-192	=	口口	1,9	32.807				1014.0	(840.4)	
10 00			176	24	28.316				542.3	( 606.8)	
1 th Be	Hield?		5	94	29:45	X + H	· ·	/	90008	(36%)	
_	De Gupp	=	176	16 8	26.124	1001	X		500.83	(北韓)	
COMPUTED BY. J. Ste	J. Steinberg	TAG	DATE 12/30/53	153		CHECKED BY	A. Queen	en		1/4/5h	M-2388-12
			The state of the s								***************************************

0					0			Photogrammetry
MAP T- 11327	3 <b>,</b>	PROJEC	PROJECT NO. Ph-34	34	SCALE OF MAP 1:20,000	000	SCALE FACTOR	DR.
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR " LONGITUDE OR.	y-COORDINATE  x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
MOB (USN 1933)	G-6834	N.A.	27 17	45,474			1405.5 (448.9)	
V 1945	rg.ryr	1721	176 24	40.818			782.3 (367.6)	
Sub Point			51 47				1326.4 (528.0)	
1945 (USN 1933)			176 24				715.6 (434.3)	
AIL (USN) 1934	G-6829	:	51 52	03.733			115.4 (1739.0)	
	rg.tor		176 23	56.079			1073.0 (75.1)	
FARIY, 1953	Fragi.	-	17 15		/		40	
	Sign of Silk	=	176 16	22.933			4.66.5\ (709.5)	
1	G-6831		51 52				221,3 (1633,1)	
V K.F. 1, 1945	Fg.1(4		176 23	56,602			1083.0 (65.0)	
F	G-6831		51 51	19,826			612.8 (1241.6)	
W Me.Fe 69 1945	rgerto		176 27	52.341			1001.8 (146.6)	
V RID (USN 1933)	G-6834		51 48	1777-62		•	910.9 (943.5)	
1745	rg.17c		176 25	677.779			915.5 (234.0)	
Sub Point			51 48				1026.3 (828.1)	-
NI COLIN	A	=	176 25				1 979.5 (170.0)	
SAS (USN 1933)	G-6834	=	51 46	5 43.348			1339.8 (514.6)	
1747	1 6		176 24	11.609			222.6 (927.7)	
Sub Point			51 16	5			1310.8 (543.6)	- 1
10		n	176 24				208.8 (941.5)	6D
	Unadj.	E	51 45	3 20.685			636.4 (1216.3)	
THEI, 1953 OF,	Comp. 818		176 22				844.54 (1306.3)	
A president			51 12	25			652.0 (1202.μ)	
20TRALT, 1953			176 22				834.6 (316.3)	
1 FT. = .3048006 METER	teinberg	70	DATE 12/30/	/53	CHECKED BY: A.	(neen	DATE 1/4	1/4/54 m-2388-12

STATION SOURCE OF INFORMATION (INDEX)					
1945	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET.  OR PROJECTION LINE IN METERS  FORWARD  (BACK)	DATUM FROM GRID OR PROJECTION LINE FF IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Fg-191	N.A. 1927	51 49 25.251		780.4 (1074.0) 333.1 (816.1)	
V SLOPE, 1945 Pg.191	2	51 47 48.166 176 27 14.132			
JIM (USE) 1943 Fg.192	=	45			
Sub Pt. REM (USN) 1934 V		51 48 /		7 /	
PEON E, 1983 I		176-87-12,57	G.D + clevetion		
	,	,			7
					- 16
					E -
29			*		
COMPILED BY. A. QUEEN	 	1/11/5h	CHECKER BY J. Steinberg	E V	M-2388-12

#### 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 New 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.

#### 32. CONTROL:

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

One unchecked triangulation station (PKE, 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

Supervisory Cartographer

Approved:

K. N. Maki

Supervisory Photogrammetric

Engineer

#### GECGRAPHIC 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

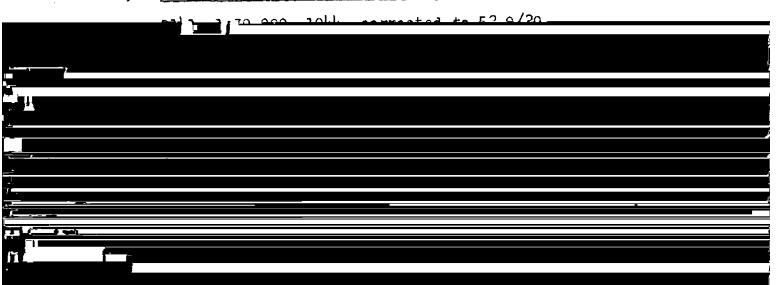
Generally, there is good agreement in the topographic features of these surveys. Shoreline and foreshore differ considerably, partially because of a difference in datum (AMS maps based on local datum). T-11327 appears more completely detailed, and will be printed by AMS to replace 1943 publication.

#### 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 effected hydrographic surveys. There are no major discrepancies between these surveys.

### 65. Comparison with Nautical Charts:



#### 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:

APPROVED:

Photogrammetry Division

Charts Division

ogrammetry Division Chief, Coastal Surveys

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.

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

October 1956

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 vertified by Nautical Charts in October 1956.

J. J. Streifler

to reply address not the sener of this letter, but the Commander, Alaskan less Frontier.

## HEADQUARTERS ALASKAN SEA FRONTIER

NAVY No. 127 (BOX 14) % POSTMASTER SEATTLE, WASHINGTON REFER TO FILE
NO. FFI 5-1/32
SERIAL

Prom: Commander, Alaskan Sea Frontier

To: Department of Commerce, U. S. Coast and Geodetic Survey

Subj: Security Review of Classifled Areas; declassification of

Ref: (a) U. S. Coast and Geodetic Survey 1tr 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

## Geographic Names. T-11327.

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

Adak Bight Adak I<sub>s</sub>land

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	LVE.	Refer
11-6-62	9119	WHW	Refer Verification and Review
2/16/66	9/43	John Miller	Before After Verification and Review three (4 9141 Age)
			Consider fally applied antil reconstruction  Before After Verification and Review
. <del>.</del>			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.