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Diag. Cht. No. 8860-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline
T-8536, T-8537,
Field No. Office No. T-8538, T-8539

LOCALITY

State Alaska
General locality Alaska Peninsula
Locality Bechevin Bay to Moffet Bay

194 3.

CHIEF OF PARTY
Division of Photogrammetry
Washington Office

LIBRARY & ARCHIVES

DATE May 4 1950

DATA RECORD

T-8536
T-8537
T-8538
T-8539

Project No. (II): None

Quadrangle Name (IV):

Field Office (II):

Chief of Party:

Photogrammetric Office (III): Washington, D.C.

Officer-in-Charge: L. C. Lande

chief graphic compilation section

Instructions dated (II) (III):

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic Compilation

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.0

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): Mar 9, 1950

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): Unalaska

Vertical Datum (III): MHW

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:

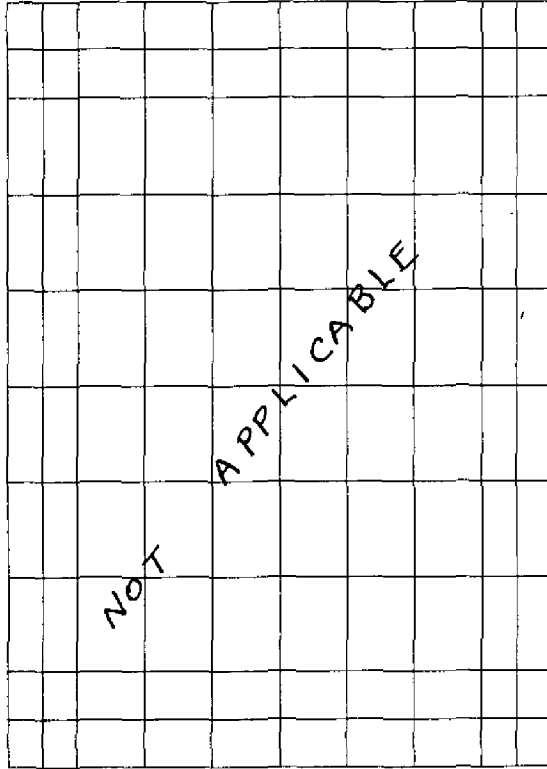
Zone:

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.



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

DATA RECORD

Field Inspection by (II): None

Date:

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): Ruling Machine

Date: 1942 - 1943

Projection and Grids checked by (IV): Washington Office

Date: 1942 - 1943

Control plotted by (III): Washington Office

Date: 1942 - 1943

Control checked by (III): Washington Office

Date: 1942 - 1943

Radial Plot ~~or Stereoscopic~~ Washington Office
~~Control Plotted by (III):~~

Date: 1942 - 1943

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): Washington Office

Date: 1942 - 1943

Photogrammetric Office Review by (III):

Date:

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

Date:

Camera (kind or source) (III): U.S.C. & G.S. 9-lens

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
11353 thru	56		1:20,000	
11358 "	63		"	
11365 "	70		"	
11373 "	76		"	
11383 "	85		"	

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): G. B. Willey

Date: Jan. 17, 1950

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

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):

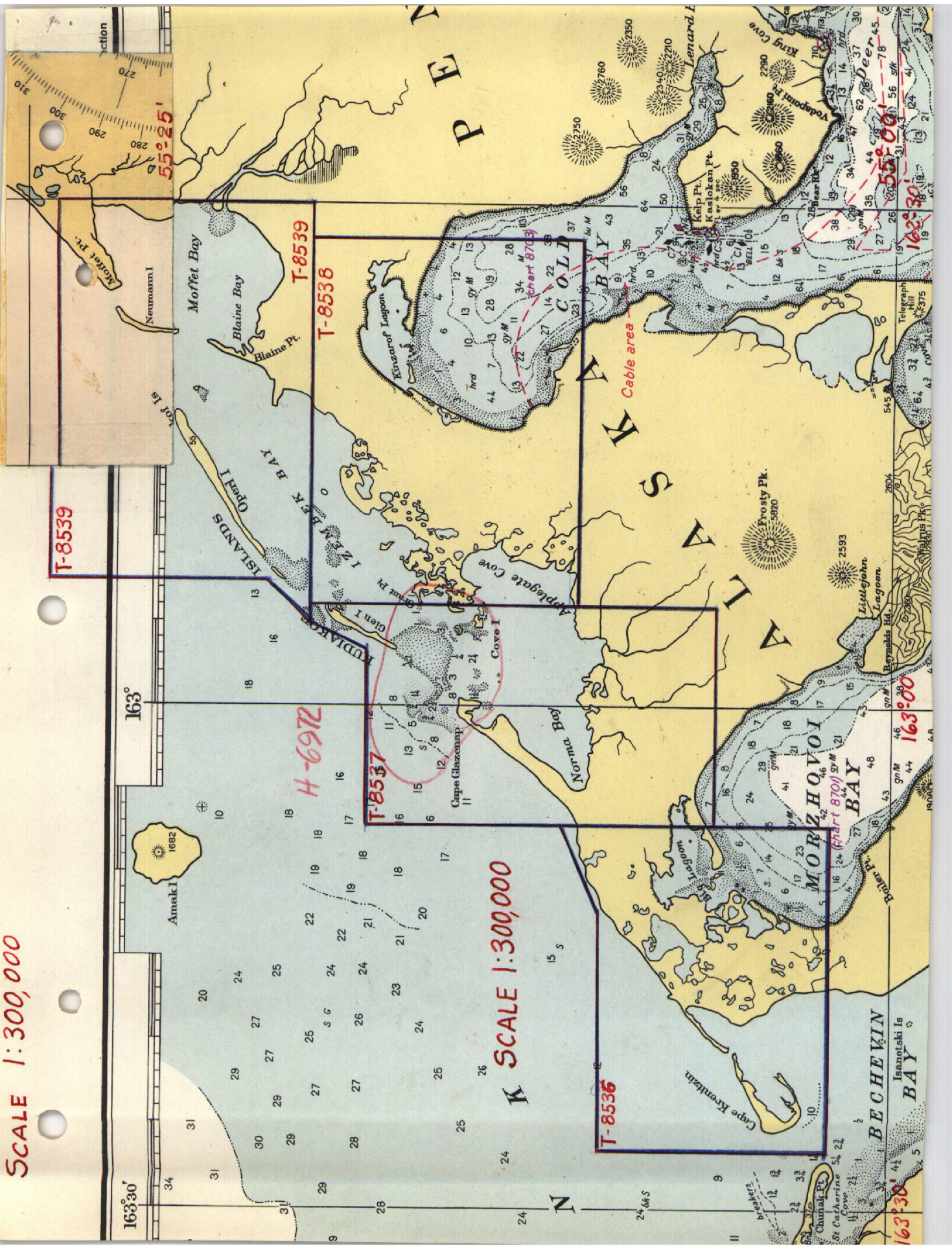
Number of Temporary Photo Hydro Stations established (III):

Remarks:

SCALE 1:300,000

163°30'

163°



5. With further reference to paragraph 1, the ground control was approximately identified on the photographs in this office from descriptions rather than the accepted method of field identification on the photographs, see pages 30 and 31 of "Notes on the Compilation of Planimetric Line Maps". This was necessary so that the shoreline and hydrographic signal points could be made available for this season's work (1943). Wherever possible, this ground control should be identified on the photographs in the field. Should the field identification of the control show a considerable error in the original office identification, this office should be notified so that the photo plot can be remade prior to plotting the hydrographic smooth sheets. The ground control for which field identification is desired are circled in red on the following ozalid copies and listed below:

<u>T-8536</u>	<u>See Photo.</u>
Penin, 1941	11363
Sula, 1941	11365
Break	11365 or 66
Watch	11365 or 66
Man	11365 or 66
Cliff	11365 or 66
Grass	11366
Try	11366
Read	11366 or 67

<u>T-8537</u>	<u>See Photo.</u>
Green	11367
Turn	11367
Sand	11385

<u>T-8538</u>	<u>See Photo.</u>
Harb	11380 or 81
Grove	11380 or 81
Cow	11381
Range	11379 or 80
Lagoon	11379
Pen	11379
Jean	11379
Crown	11379

Date and Time of Photography

11353	9-14-42	3:15 P.M.
11359	9-14-42	3:38 P.M.
11389	9-14-42	4:39 P.M.

Compiled under direction of

G. C. Tewinkel
G. C. Tewinkel
Feb. 1943

NOTE: No reports were ever received from field party to whom copies of these sheets were sent in 1943.

B. G. Jones
B. G. Jones
June 1946

GEOGRAPHIC NAMES

Survey No.
8536

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. D. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K							
Alaska* •																1
Bering Sea* •																2
Bechevin Bay* •																3
Morzhovoi Bay* •																4
Cape Krenitzin •																5
Little Lagoon •																6
Middle Lagoon •																7
Big Lagoon •																8
																9
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																27

* = Decis BGN

• = Approved name

1-16-50

A.J.W.

GEOGRAPHIC NAMES

Survey No.

T-8537

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Alaska* •										1
Izembek Bay •										2
Applegate Cove •										3
Norma Bay •										4
Bering Sea* •										5
Kudiakof Islands •										6
Cove Island •										7
Cape Glazenap •										8
Glen Island •										9
										10
										11
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										14
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* = Decis BGN

• = Approved name

1-16-50

A.J.W.

GEOGRAPHIC NAMES

Survey No.

T-8538

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Alaska* •										1
Cold Bay* •										2
Kinzarof Lagoon •										3
Delta Pt. •										4
Applegate Cove •										5
Izembek Bay •										6
Grant Pt. •										7
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* = Decis BGN

• = Approved name

1-16-50

A. J. W.

GEOGRAPHIC NAMES

Survey No.

T-8539

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Moffet Bay •										1
Moffet Point •										2
Alaska* •										3
Bering Sea* •										4
Kudiakof Islands •										5
Blaine Point •										6
Blaine Bay •										7
Neumann Island •										8
Izembek Bay •										9
Operl Island •										10
										11
										12
										13
										14
										15
					* = Decis BGN					16
					• = Approved name					17
					1-16-50					18
					A.J.W.					19
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Review - T-8536 thru T-8539

The preliminary shoreline maps shown on the attached index were radial plotted and the detail delineated in 1943 without field inspection of any kind, to furnish detail for small scale nautical charts and shoreline for hydrographic surveys.

Preliminary shoreline map T-8536 covers from Bechevin Bay to Big Lagoon, Alaska Peninsula, from Latitude $55^{\circ}-02'$ to $55^{\circ}-10'-30''$ and Longitude $163^{\circ}-08'$ to $163^{\circ}-29'$; T-8537 covers the vicinity of Izembek Bay, Alaska Peninsula, from Latitude $55^{\circ}-05'$ to $55^{\circ}-17'$ and Longitude $162^{\circ}-54'$ to $163^{\circ}-08'$, with an inset covering the area from Latitude $55^{\circ}-17'$ to $55^{\circ}-20'$ and Longitude $162^{\circ}-54'$ to $162^{\circ}-57'$; T-8538 covers the vicinity of Cold Bay, Alaska Peninsula, from Latitude $55^{\circ}-11'$ to $55^{\circ}-20'$ and Longitude $162^{\circ}-32'$ to $162^{\circ}-54'$; and T-8539 covers the vicinity of Moffet Bay, Alaska Peninsula, from Latitude $55^{\circ}-20'$ to $55^{\circ}-29'$ and Longitude $162^{\circ}-30'$ to $162^{\circ}-52'$, with an inset covering the area from Latitude $55^{\circ}-20'$ to $55^{\circ}-22'$ and Longitude $162^{\circ}-52'$ to $162^{\circ}-55'$.

A continuous radial plot was laid for sheets T-8536 through T-8539. It is not recommended that these sheets be used for large scale mapping without the usual field inspection.

H-6972 (1:20,000), covering the approach to Izembek Bay and the channel from Cape Glazenap to Grant Point, was compared with the common area on T-8537 and T-8538. No discrepancies were noted.

With reference to the descriptive report, use of these preliminary photogrammetric manuscripts in the field was limited to a reconnaissance hydrographic survey, H-6972, covering the south entrance to Izembek Bay. Two of the photogrammetric signals were used as a basis from which hydrographic signals were located by graphic control. The descriptive report for H-6972 states "A stadia check was obtained at a signal over an unmarked U.S.E. triangulation station in the area and showed close agreement". The review of H-6972 recommends that the area be completely resurveyed at such time as systematic surveys are undertaken. The field party did not obtain control identification or shoreline inspection for standard mapping of this area.

Data pertaining to T-8536, T-8537, T-8538 and T-8539 is filed as follows:

- A. Division of Photogrammetry General Files:
 1. Acetate Manuscripts
- B. Bureau Archives:
 1. A cloth-backed lithographic print of the reviewed maps at compilation scale.
 2. Registered original descriptive reports.

Reviewed by:

G. B. Willey
G. B. Willey
17 January 1950 *B*

APPROVED BY:

S. V. Griffith
Chief, Review Section *B* 3/9/50
Division of Photogrammetry *BJG*

H. C. Edmister
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Seife
Chief, Div. of Coastal Surveys