

9734 THRU 9741

9734 THRU 9741

Diag. Cht. No. 9302.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

T-97³⁴~~45~~ thru

Field No. Ph-56 Office No. T-9741

LOCALITY

State Alaska

General locality Nunivak Isl and

Locality S. W. Coast - Cape Mohican to

Cape Corwin

19450-51

CHIEF OF PARTY

M. J. Tonkel, Chief of Field Party

E. H. Kirsck, Chief of Field Party

LIBRARY & ARCHIVES

DATE April 7, 1958

DATA RECORD

T - 9734-T-9741, inclusive

Project No. (II): Ph-56

Quadrangle Name (IV):

Field Office (II): Portland, Oregon

Chief of Party: M. J. Tonkel

Photogrammetric Office (III): Baltimore, Md.
Washington

E. H. Kirsch

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III): 2 April 1951

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): 9 lens Reading Plotter

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III):

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

18 April 1957

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):

UTM

State:

Zone:

3

Y=

X=

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

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

DATA RECORD

T-9734

Field Inspection by (II): I. Zirpel

Date: July 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location): From field inspection (from air) and aerial photos listed on Page 14.
from 1952 photos Aug

Projection and Grids ruled by (IV): J. Allen

Date: 5 Jan. 1952

Projection and Grids checked by (IV): H. D. Wolfe

Date: 8 Jan. 1952

Control plotted by (III): A. Queen

Date: 27 April 1954

Control checked by (III): Leroy A. Senasack

Date: 14 May 1954

Radial Plot or Stereoscopic

Date:

Control extension by (III): Leroy A. Senasack

9 June 1954

Stereoscopic Instrument compilation (III):
Planimetry
Contours

L. Levin

Date:

Date: Aug. 1954

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: July 1955

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

Date:

DATA RECORD

T-9735

Field Inspection by (II): I. Zirpel

Date: July 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

from 1952 photo app

Projection and Grids ruled by (IV): Jack Allen

Date: 7 Jan. 1952

Projection and Grids checked by (IV): H. D. Wolfe

Date: 8 Jan. 1952

Control plotted by (III): Albert Queen

Date: 27 April 1954

Control checked by (III): Leroy A. Senasack

Date: 14 May 1954

Radial Plot of Stereoscopic

Date: 23 July 1954

Control extension by (III): Leroy A. Senasack

Planimetry

Date:

Stereoscopic Instrument compilation (III): L. Levin & C. Misfeldt

Date: June 1954

Contours

Date:

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: July 1955

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

Date:

DATA RECORD

T-9736

Field Inspection by (II): I. Zirpel, Jr.

Date: Aug. 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location): Field inspection by airplane indicated MHW on 1950 photos. A combination of this inspection and modified predicted tide data was applied to the 1952 photos.

Shoreline essentially from 1952 photos. Aug

Projection and Grids ruled by (IV): Austin Riley

Date: 18 Feb. 1954

Projection and Grids checked by (IV): H. D. Wolfe

Date: 19 Feb. 1954

Control plotted by (III): J. W. Robinson

Date: 11 Aug. 1954

Control checked by (III): F. J. Tarcza

Date: 11 Aug. 1954

Radial Plot or Stereoscopic

Date: 15 Dec. 1954

Control extension by (III): L. A. Senasack

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

Date: July 1955

Date:

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt
(of plotter sheets only)

Date: Sept. 1955

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

Date:

DATA RECORD

T-9737

Field Inspection by (II): I. Zirpel

Date: Aug. 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

Part from 1950 and part from 1952 photos

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

Date: 16 Feb. 1954

Projection and Grids checked by (IV): H. D. Wolfe

Date: 17 Feb. 1954

Control plotted by (III): E. L. Williams

Date: 12 July 1954

Control checked by (III): A. Queen

Date: 14 July 1954

Radial Plot or Stereoscopic

Date: 16 Sept. 1954

Control extension by (III): E. L. Williams

Planimetry L. Levin

Date: Oct. 1954

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript ^{scribed} ~~delimited~~ by (III):

Date:

Photogrammetric Office Review by (III): *C. Misfeldt

Date: Sept. 1955

Elevations on Manuscript

Date:

checked by (II) (III):

*Applied to instrument work sheets, only.

T-9738
DATA RECORD

Field Inspection by (II): I. Zirpel

Date: Aug. 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

*Part from 1950 and part from 1952 photos.
from 1952 photos only*

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

Date: 2-18-54

Projection and Grids checked by (IV): H. D. Wolfe

Date: 2-18-54

Control plotted by (III): A. Queen

Date: 6-29-54

Control checked by (III): L. A. Senasack

Date: 7-14-54

Radial Plot or Stereoscopic

Date:

Control extension by (III): E. L. Williams

9-16-54

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

Date: Oct. 1954

Date:

~~Manuscript checked by (III):~~
scribed

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: Aug. 1955

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

Date:

T-9739
DATA RECORD

Field Inspection by (II): I. Zirpel

Date: Aug. 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

*Bank from 1950
from 1952 Photos May*

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

Date: 2-12-54

Projection and Grids checked by (IV): H. D. Wolfe

Date: 2-17-54

Control plotted by (III): J. W. Robinson

Date: 8-11-54

Control checked by (III): F. J. Tarcza

Date: 8-11-54

Radial Plot or Stereoscopic

Date:

Control extension by (III): E. L. Williams

9-16-54

Stereoscopic Instrument compilation (III): C. Misfeldt, W. Heinbaugh
Planimetry
Contours

Date:

July 1955

Date:

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: Aug. 1955

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

Date:

T-9740
DATA RECORD

Field Inspection by (II): I. Zirpel

Date: July 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):
airplane) and aerial photos listed on Page 4.

Field inspection (from

from 1952 photos only

Projection and Grids ruled by (IV): Austin Riley

Date: 2-16-54

Projection and Grids checked by (IV): H. D. Wolfe

Date: 2-17-54

Control plotted by (III): Albert Queen

Date: 4-27-54

Control checked by (III): Leroy A. Senasack

Date: 5-14-54

Radial Plot ~~or Stereoscopic~~

Control extension by (III): Leroy A. Senasack

Date:

7-23-54

Planimetry

Date:

Stereoscopic Instrument compilation (III):

L. Levin

Contours

Date: Aug. 1954

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: 4 Aug. 1955

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

Date:

T-9741
DATA RECORD

Field Inspection by (II): I. Zirpel

Date: Aug. 1951

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location): Field inspection from airplane and interpretation from 1950 and 1952 office photos.

*Part from 1950 and part from 1952 photos
Aug*

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

Date: 2-11-54

Projection and Grids checked by (IV): H. D. Wolfe

Date: 2-17-54

Control plotted by (III): E. L. Williams

Date: 7-12-54

Control checked by (III): L. A. Senasack

Date: 7-14-54

Radial Plot or Stereoscopic

Control extension by (III): E. L. Williams

Date:

9-16-54

Stereoscopic Instrument compilation (III):

Planimetry / L. Levin
Contours

Date: Sept. 1954

Date:

~~Manuscript~~ ^{scribed} ~~checked~~ by (III):

Date:

Photogrammetric Office Review by (III): C. Misfeldt

Date: Aug. 1955

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

Date:

Camera (kind or source) (III):

C&GS 9-L T-9734

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide *
38323-325	19 July 1952	17:50	1:20,000	4.4 above MLLW
Field 28967-968	14 Sept. 1950	15:00	1:20,000	0.8 " "

Tide (III)

Reference Station: Kodiak
Subordinate Station: Tachikuga
Subordinate Station: Nash Harbor
Mekoryuk

Washington Office Review by (IV): Everett H. Ramey

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	4.2	4.6 *

Date: 2 Nov 1955

Date:

Date:

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~~ established (II): 2

Number of BMs searched for (II):

Recovered:

Recovered:

Identified: 2

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): 2

Remarks: *Tide data is based on information furnished directly from the Division of Tides and Currents.

Camera (kind or source) (III):

T-9735
C & GS 9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide *
38325, 326, 327, 328	19 July 1952	17:50	1:20,000	5.3 above MLLW
28969, 970	14 Aug. 1950	15:05	"	1.3 " "

Tide (III)

Reference Station: Kodiak
Subordinate Station: Tachikuga
Subordinate Station: Nash Harbor
Mekoryuk

Washington Office Review by (IV): Everett H. Ramey

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

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: 4

Identified: 4

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 1

Remarks: *Tide data was furnished directly by the Division of Tides and Currents.

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		5.6 *

Date: 3 Nov 1955

Date:

Date:

Date:

T-9736

Camera (kind or source) (III):

CBS 9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide *
38293 thru 98	7/19/52	17:20	1:20,000	6.9 MLLW
38301 thru 04	"	17:25	"	6.9 "
38265 and 66	"	16:35	"	6.0 "
29011	8/14/50	approx. 300	1:20,000	approx. + 2 MLLW
28951	"	approx. 400	"	" 2 "

Tide (III)

Reference Station: Kodiak
 Subordinate Station: Tachikuga
 Subordinate Station: Nash Harbor
 Mekoryuk

Ratio of Ranges	Mean Range	Spring Range
		6.3

*

Washington Office Review by (IV):

Everett H. Ramsey

Date: 29 Dec 1955

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): None Recovered: None Identified: 3 Established

Number of BMs searched for (II): None Recovered: Identified: 0

Number of Recoverable Photo Stations established (III): None

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

Remarks: Photogrammetric office review refers to plotter sheets only,

*Tide data furnished directly by Division of Tides and Currents.

Camera (kind or source) (III): *C&GS 9-L* T-9737

Number	Date	Time	Scale	Stage of Tide
28974, 975	14 Aug. 1950	15:15	1:20,000	.9' above MLLW

Tide (III)

Reference Station: *Kodiak*
Subordinate Station: *Tachikuga*
Subordinate Station: *Nash Harbor*
Mokoryuk

Ratio of Ranges	Mean Range	Spring Range
	3.9	4.3

Washington Office Review by (IV): *Everett H. Ramey*

Date: *23 Dec 1955*

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 Levelling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: *1*

Identified: *1*

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): *1*

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

Remarks:

T-9738

Camera (kind or source) (III):

C & GS 9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
38334, 335, 336	July 19, 1952	18:05	1:20,000	6.6' above MLLW
28975, 976	Aug. 14, 1950	15:15	"	3.5' " "
28978, 979	Aug. 14, 1950	15:20	"	3.2' " "

Tide (III)

Reference Station: Kodiak
 Subordinate Station: Tachikuga)
 Subordinate Station: Nash Harbor) *
 Subordinate Station: Mekoryuk)

Washington Office Review by (IV): *Everett H. Ramey*

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Ratio of Ranges	Mean Range	Spring Range
	5.6	-
		6.1

Date: *28 Dec 1955*

Date:

Date:

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): 2

Recovered: 2

Identified: 2

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): 2

Remarks: *Tide data for all of Nunivak Island was computed by the
 Division of Tides and Currents, based on the three subordinate
 stations listed above.

T-9739

Camera (kind or source) (III):

C & GS 9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide *
38300, 301	19 July 1952	17:25	1:20,000	6.8 above MLLW
38336	"	18:07	"	6.6 " "
28978, 979	14 Aug. 1950	15:20	"	1.3 " "

Tide (III)

Reference Station: **Kodiak**
 Subordinate Station: **Tachikuga**
 Subordinate Station: **Nash Harbor**
Mekoryuk

Washington Office Review by (IV): *Everett H. Ramey*

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Ratio of Ranges	Mean Range	Spring Range
	5.6	6.1

Date: *28 Dec 1955*

Date:

Date:

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: **1**

Identified: **1**

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **4**

Number of Temporary Photo Hydro Stations established (III): **1**

Remarks: *Tide data for all of Nunivak Island was computed by the Division of Tides and Currents, based on the three subordinate stations listed above.

Camera (kind or source) (III): *C&GS 9-L* **T-9740**

PHOTOGRAPHS (III)
Number Date Time Scale Stage of Tide *

28970, 971, 972 14 August 1950 15:05 (approx.) 1:20,000 2.8 above MLLW

Tide (III)

Reference Station: **Kodiak**
Subordinate Station: **Tachikuga**
Subordinate Station: **Nash Harbor**
Makoryuk

Washington Office Review by (IV): *Everett H. Ramey*

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

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): **established**

Number of Triangulation Stations ~~recovered~~ for (II):

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III): **1**

Number of Temporary Photo Hydro Stations established (III): **1**

~~Recovered~~:

Recovered:

Identified: **1**

Identified:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		5.6 *

Date: *4 Nov 1955*

Date:

Date:

Date:

Remarks:

***The tide data for all of Nunivak was computed by the Division of Tides and Currents based on all of the subordinate stations listed above.**

Camera (kind or source) (III): **T-9741**
9-L C&GS

Number	Date	Time	Scale	Stage of Tide *
28972, 973, 974, 975	14 Aug. 1950	15:10	1:20,000	.9 above MLLW
38328, 329, 330	19 Sept. 1952	17:55	"	4.8 " "

Tide (III)

Reference Station: **Kodiak**
Subordinate Station: **Tachikuga**
Subordinate Station: **Nash Harbor**
Mekoryuk

Washington Office Review by (IV): **Everett H. Ramey**

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	3.9	4.3 *

Date: **10 Jan 1956**

Date:

Date:

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: **2** Identified: **2**

Number of BMs searched for (II): **None**

Recovered: Identified:

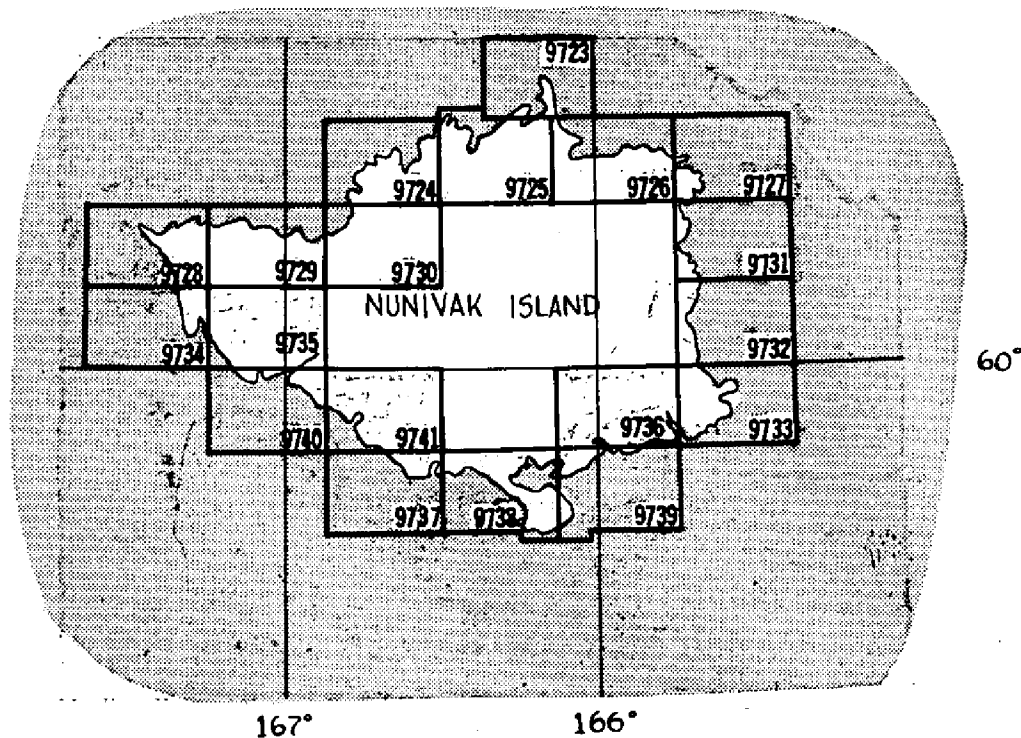
Number of Recoverable Photo Stations established (III): **2**

Number of Temporary Photo Hydro Stations established (III):

Remarks: ***Tide data was computed by the Division of Tides and Currents from all of the subordinate stations listed above.**

SHORELINE MAPPING PROJECT 6056

Nunivak Is., Alaska



Official mileage for Cost Accounts

Sheet	Area Sq.Mi.	Lin.Mi. Shoreline
9723	6	10
9724	49	11
9725	106	10
9726	70	13
9727	8	17
9728	36	19
9729	88	15
9730	106	12
9731	15	23
9732	22	21
9733	35	20
9734	11	10
9735	107	5
9736	105	4
9737	10	9
9738	44	25
9739	14	9
9740	14	11
9741	94	8
Totals	940	252

TOPOGRAPHIC MAPPING PROJECT 6056

ALASKA-BERING SEA, Scammon Bay to Kuskokwim Bay and Nunivak Island

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No. Area sq.miles

9679	46
9680	91
9681	68
9682	96
9683	12
9684	103
9685	80
9686	46
9687	91
9688	17
9689	103
9690	86
9691	103
9692	40
9693	23
9694	34
9695	80
9696	34
9697	103
9698	6
9699	110
9700	23
9701	112
9702	80
9703	112
9704	57
9705	103
9706	40
9707	108
9708	68
9709	91
9710	17
9711	108
9713	6
9714	91
9715	112
9716	108
9718	40
9719	68
9720	80
9722	3

Sub-total...2,685

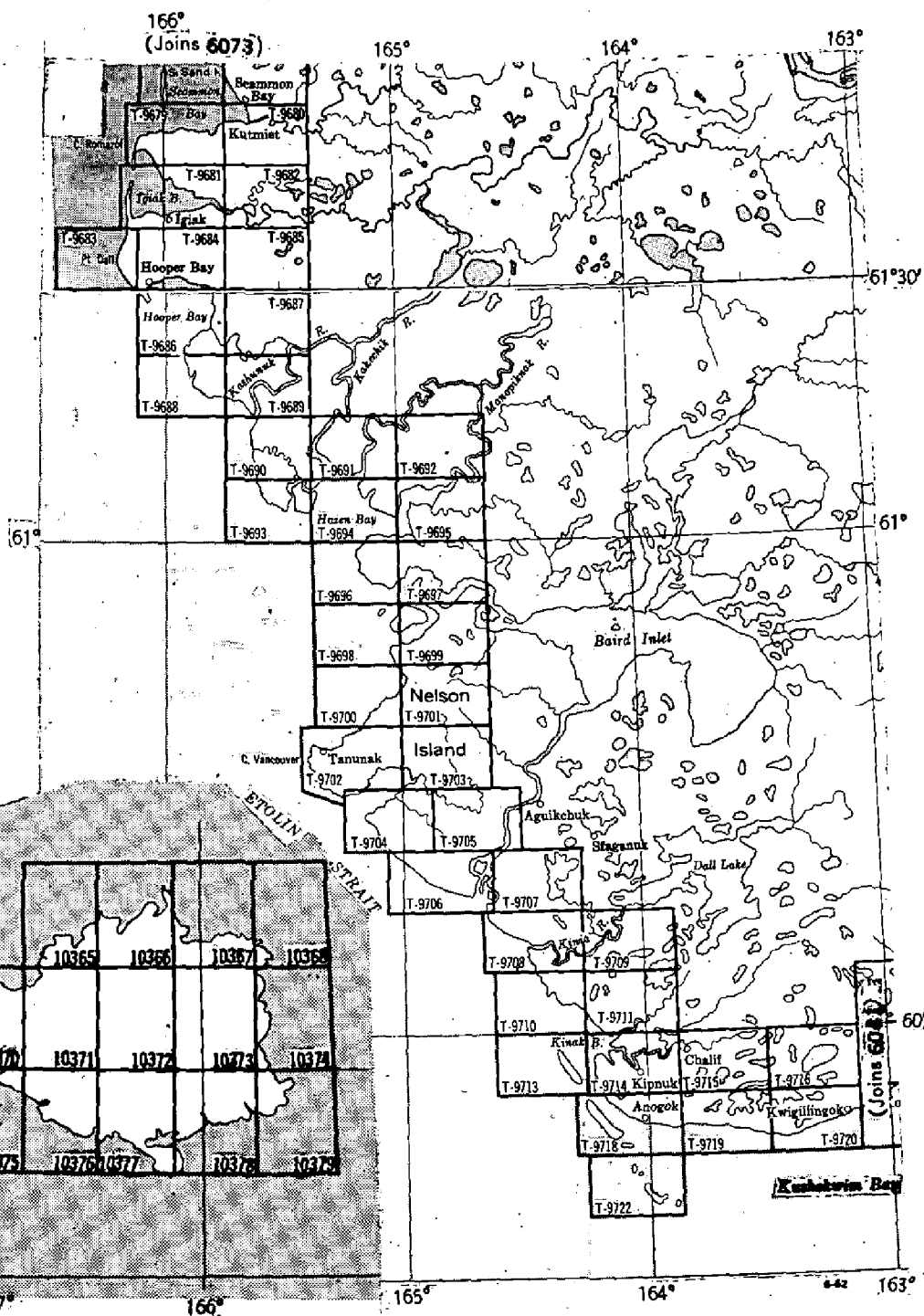
Nunivak Island

10365	49
10366	112
10367	70
10368	8
10369	47
10370	195
10371	220
10372	228
10373	228
10374	37
10375	14
10376	104
10377	158
10378	109
10379	35

Sub-total 1,614

Sub-total 2,685

TOTAL 4,299



Compiled 1:20,000 scale, from 1:20,000 scale nine-lens photographs taken August 1950 and June 1951

additional nine-lens photography to be taken Season 1952.

(Refer to Air-Photo Indexes B-42, 50, 51, 52 and E-17)

Summary to Accompany Maps of
Nunivak Island in Project 6056

Nunivak Island has been mapped under Project 6056 by a series of shoreline maps at a scale of 1:20,000 and a series of topographic maps at a scale of 1:40,000. The shoreline maps are numbered T-9723 to T-9741, inclusive, and the topographic maps are numbered T-10365 to T-10379, inclusive. These two series of maps were adopted so as to satisfy the requirements of the Army Map Service and this Bureau, and to expedite drafting and compilation procedures.

Field work in advance of compilation was done in 1951 and included the establishment of horizontal and vertical control, tidal observations, limited inspection of shoreline and interior features, and the investigation of geographic names. No additional field work was accomplished.

The maps of this project were compiled using instrument work sheets at 1:20,000 scale from the nine-lens plotters. Photographs were nine-lens taken in 1950 and 1952. The shoreline manuscripts at 1:20,000 scale cover only shoreline and adjacent prominent planimetric features. Maps T-9728, T-9734, T-9735 and T-9740 are the exception to this and show contours and other topographic features. These were compiled prior to the adoption of the 1:40,000 scale topographic series for Bureau use which were compiled using work sheets reduced to 1:40,000 scale.

Crown print Items registered under T-numbers will include cloth-backed prints ~~and~~ for
of the map manuscripts and a copy of the corresponding descriptive
reports.

FIELD INSPECTION REPORT

(See Descriptive Report for T-9723 thru 9730)

RADIAL PLOT REPORT

(See Descriptive Report for T-9723 thru
9730)

MAP T-9735

PROJECT NO. Ph-56

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR ϕ -COORDINATE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
V-11, 1951		NA 1927	60 05 54.328 166 55 55.710				1681.4 861.0	(175.5) (66.3)		
Sub. Pt. A V-11, 1951		"	60 05 166 55				1666.2 838.2	(190.7) (89.1)		
Sub. Pt. B V-11, 1951		"	60 05 166 55				1700.2 825.8	(156.7) (101.5)		
CLEAR, 1951	p. 4	"	60 05 06.416 167 12 34.637				198.6 535.5	(1658.4) (392.1)		
Sub. Pt. A. CLEAR, 1951		"	60 05 167 12				242.6 543.2	(1614.4) (384.4)		
Sub. Pt. B CLEAR, 1951		"	60 05 167 12				247.1 513.6	(1609.9) (414.0)		
E.P.I. MAST (Sta- tion Dog), 1951	p. 19	"	60 03 32.216 167 14 22.714				997.1 351.5	(859.9) (576.9)		
PIERCE, 1951	p. 5	"	60 03 31.475 167 14 17.004				974.1 263.1	(882.8) (665.3)		
Sub. Pt. A PIERCE, 1951		"	60 03 167 14				1074.8 275.8	(782.1) (652.5)		
Sub. Pt. B PIERCE, 1951		"	60 03 167 14				1040.9 176.3	(816.0) (752.1)		
SHORAN MAST (Sta- tion Dog), 1951	p. 9	"	60 03 30.516 167 14 07.980				944.4 123.5	(912.5) (804.9)		
KNOLL, 1951	p. 3	"	60 02 20.322 167 11 03.976				628.9 61.6	(1228.0) (867.4)		

1 FT. = 3048006 METER

COMPUTED BY: A. Queen

DATE 21 April 1954

CHECKED BY: L. A. Senasack

DATE 12 May 1954

COMMA-DC-57843

SCALE FACTOR

SCALE OF MAP 1:20,000

Ph-56

PROJECT NO.

MAP T-9735

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: A. Queen

DATE.....21 April 1954.....

CHECKED BY: L. A. Senasack

DATE... 12 May 1954...

COMM-DC-57843

SCALE FACTOR

[illegible]

29 June 1954

SCALE FACTOR

FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FORWARD	(BACK)
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6/22/54

MAP T. ~~9947~~ 14766

PROJECT NO. Ph-56

SCALE OF MAP 1:20,000

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER

A. Queen

DATE: _____

6/11/54

CHECKED BY:

E. L. Williams

DATE _____

6/22/54

COMM-DC-57843

MAP T. ~~99148~~ 99148

PROJECT NO. Ph-56

SCALE OF MAP 1:20,000

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: A. Queen

DATE 6/11/54

CHECKED BY: J. Steinberg

DATE 6/29/54

COMM-DC-57843

SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: A. Queen	DATE: 20 April 1954	CHECKED BY: L. A. Senasack	DATE: 12 May 1954	COMM-DC-57843
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SCALE FACTOR

1 FT. = 3048006 METER	DATE	6/10/54	CHECKED BY	E. L. Williams	DATE	6/22/54	COMM-DC-57843
COMPUTED BY	A. Queen						

SCALE FACTOR

[illegible]

DATE 10 May 1954

M-2388-12

COMPILATION REPORT
T-9734-T-9741

31. This report covers the shoreline delineation of the South Shore of Nunivak Island from Cape Mohican eastward to Cape Corwin.

The topography and shoreline detail were compiled simultaneously on the Reading Nine-lens plotters at 1:20,000 scale. Shortly before the instrument delineation on the work sheets was completed a change was made in the method of compiling the manuscripts. It was decided to ink the shoreline detail, only, on 1:20,000 scale manuscripts and scribe the 1:40,000 color separation sheets directly from a reduced copy of the instrument sheets. Several of the interior 1:20,000 sheets were deleted because of the absence of shoreline and consequently some of the remaining sheets were renumbered as shown on the attached index. A new series of numbers was assigned to the 1:40,000 scale topo maps (see compilation report T-10365-10379).

A compilation review was applied, insofar as practical, to the instrument work sheets. UTM Grid coordinates were then inked on to the work sheets by adjusting the pass points to those on the base sheet. (Maximum shift after adjustment approx. .5 mm.) The work sheets were then photographically reduced to 1:40,000 scale and forwarded to the drafting section.

32. CONTROL: See radial plot report.

33. SUPPLEMENTAL DATA: None.

34. CONTOURING AND DRAINAGE: Not applicable.

35 and 36. SHORELINE, ALONGSHORE AND OFFSHORE DETAILS:

Although the majority of the shoreline was covered by both 1950 and 1952 photography it was not always practical to use the later photography on the plotter. However, where the 1952 was not used on the plotter the shoreline was checked graphically and corrected, if necessary, with the later photos. The southern end of Cape Mendenhall (T-9947 and 9948) and the area from topo station Carl (T-9741) to topo station Rock (T-9737) was covered by the 1950 photos only.

The field inspection, for the most part, appeared to be adequate; however, several rocks, awash, off Cape Mendenhall were not field inspected and consequently no reference to datum is shown.

37. LANDMARKS AND AIDS: None submitted by field party.

38. CONTROL FOR FUTURE SURVEYS:

Notes for the hydrographer are submitted for each map included in this report. Forms 524* were submitted as follows: T-9734 - 1; T-9735 - 1; T-9737 - 1; T-9738 - 3; T-9739 - 4; T-9740 - 1; T-9741 - 2.

** Filed in Photogrammetry Div.*

The positions of three of the four topographic stations which were located by sextant fixes on T-9738 and T-9739 have been listed as approximate. (See Paragraph 27, "Radial Plot Report.") The position of Alex, 1951 was determined from the pricking card and description, and is believed to be within the accuracy requirements. The positions of stations Oboe, Flag and High were determined by the same method but are believed to be approximate only. They have been indicated on the manuscript with a dashed circle. The positions were marked approximate on the 524 cards.

39. JUNCTIONS: Only the instrument work sheets were joined in this section.

40. HORIZONTAL AND VERTICAL ACCURACY: See radial plot report.

46. Comparison was made with USGS, 1:250,000 scale maps "Nunivak Island" and "Cape Mendenhall", 1951.

47. Comparison was made with Nautical Chart No. 9102.

48. GEOGRAPHIC NAMES: Several of the summer camps which were indicated on the geographic names sheet were difficult to locate on the photos. Most of the camps consisted of scattered sod huts or tent frames which could not be delineated from the photos. A dashed line was penciled on the work sheets as near as possible to the point of the leader inked on the names sheet which was a 1:200,000 scale mosaic. Some of these camps were also labeled "barabaras" by the shoreline inspection party. This label was omitted where a summer camp name was furnished.

An apparent discrepancy was noted in the naming of two large sand dune areas northeast of Cape Mendenhall by the field party. The names Nunathloogamiuthingoi and Oongalambingoi were applied to the same area. The former name was moved by the compiler to a large unnamed dune area in the vicinity of a town having the same name.

All names have been shown on the work sheets and have been listed and attached to the report for the 1:40,000 scale topo manuscripts. (T-10365 thru T-10379) *etc*

Respectfully submitted:

Louis Levin

Louis Levin
Supervisory Cartographer
Nine Lens Unit

Approved and Forwarded:

Charles Theurer

Charles Theurer
Supervisory Photogrammetric Engineer

Review Report
Shoreline Surveys T-9734 Thru T-9741
14 March 1956

62. Comparison with Registered Topographic Surveys:

T-2610 1:40000 1902

A portion of this survey falls in the area of T-9734 and is to be superseded by T-9734 for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Cape Mendenhall, Alaska (USGS), 1:250000, 1951
Nunivak Island, " " "

Topographic and planimetric details are very generalized and approximate on these maps which preclude a detailed comparison.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

9302, 1952 corrected to 53-6/15

No discrepancies.

66. Adequacy of Results and Future Surveys:

Only a limited field inspection of alongshore features was made. Thus these features are somewhat generalized and are subject to errors in office interpretation of foul limits, rock heights, etc. Otherwise, no significant deficiencies in accuracy or adequacy of the maps were indicated.

Everett H. Ramey

Everett H. Ramey

APPROVED BY:

L. C. Lande

Chief, Review & Drafting Section
Photogrammetry Division

Max Blakitts

Chief, Nautical Chart Branch
Charts Division

W. E. Swanson

Chief, Photogrammetry Division

W. E. Swanson

Chief, Coastal Surveys Division

20 March 1958

T-9734

NOTES TO THE HYDROGRAPHER

The following topographic station was located by radial line plot:

<u>Station</u>	<u>Identified on field photo</u>
Knot, 1951	28967

The following photo-hydro stations were located:
T-9734

<u>Station</u>	<u>Description</u>	<u>Identified on field photo</u>
116	Point of bluff west of stream	28968
117	Point of land on top of bluff	28968

T-9735

Notes to the Hydrographer

The following topographic station was located by radial line plot:

<u>Station</u>	<u>Identified on field photo</u>
Sock, 1951	28969

The following photo-hydro station was located:

<u>Station</u>	<u>Description</u>	<u>Identified on field photo</u>
118	Pinnacle rock below top of bluff	28968

T-9737

NOTES TO THE HYDROGRAPHER

The following topographic station was located by radial-line plot:

Station

Identified on field photo

Rock, 1951

28975

T-9738

NOTES TO THE HYDROGRAPHER

Topographic station located by radial-line plot:

Beat, 1951 identified on field photo 28977

Topographic stations located by transfer from field photo identification to manuscript while holding adjacent detail (resection by sextant fixes gave erroneous and multiple location. Positions are approximate only:

Flag, 1951 identified on field photo 28978

High, 1951 28978

Hydro stations located by radial-line plot:

Hydro 100 identified on field photo 28954

Hydro 101 28978

T-9739

NOTES TO THE HYDROGRAPHER

Topographic stations located by radial-line plot:

Bent, 1951	identified on field photo	29011
Hard, 1951		28953
Alex, 1951		28979

Topographic station located by transfer from field identification photo to manuscript while holding adjacent detail (resection by sextant fixes gave erroneous and multiple locations): *Approximate position.*

Oboe, 1951	29011
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Hydro station located by radial line plot:

hydro 102	identified on field photo	28979
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T-9740

NOTES TO THE HYDROGRAPHER

The following topographic station was located by radial line plot:
T-9740

<u>Station</u>	<u>Identified on field photo</u>
Item, 1951	28971

The following photo-hydro station was located by radial line plot:
T-9740

<u>Station</u>	<u>Identified on field photo</u>
103	28970

T-9741

NOTES TO THE HYDROGRAPHER

The following topographic stations were located by radial line plot:

T-9741

<u>Station</u>	<u>Identified on field photo</u>
Carl, 1951	28972
Pipe, 1951	28974

No photo-hydro stations were established.