

9711

Diag. Cht. No. 9302.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-56 Office No. T-9711

LOCALITY

State Alaska

General locality Etolin Strait - Bering Sea

Locality Cheching

19 51

CHIEF OF PARTY

M.J.Tonkel, Chief of Field Party
L.W.Swanson, Div. of Photo. Wash., D.C.

LIBRARY & ARCHIVES

DATE April 6, 1961

COMM-DC 61300

1526

DATA RECORD

T-9711

Project No. (II): 6056

Quadrangle Name (IV):

Field Office (II): Kipnuk, Alaska

Chief of Party: M. J. Tonkel

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

Instructions dated (II) (III): 8 September 1949

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Reading nine-lens plotter

Manuscript Scale (III): 1:20,000

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

Scale Factor (III): 1:1

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 19 May 1959

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.

W. Heinbaugh

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

DATA RECORD

Field Inspection by (II): V. E. Serena

Date: 1951
Field Season

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Nine-lens photographs listed on page 4 augmented by field inspection dated 1951.

Projection and Grids ruled by (IV): Austin Riley

Date: 10-12-54.

Projection and Grids checked by (IV): **Austin Riley**

Date: 10-26-54

Control plotted by (III): **David Williams**

Date: 6-23-55

Control checked by (III): Joseph Steinberg

Date: 6-27-55

Radial Plot or Stereoscopic Control extension by (iii): Leroy A. Senasack

Date: 2-21-58

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

Date: Aug. 1958

Date: Aug. 1958

Manuscript delineated by (III): W. Heinbaugh

Date: Aug. 1958

Photogrammetric Office Review by (III): **L. Levin**

Date: Nov. 1958

Elevations on Manuscript
checked by (II) (III): L. Levin

Date: Nov. 1958

Camera (kind or source) (III):

PHOTOGRAPHS (III)						
Number	Date	Time	Scale	Stage of Tide		
28710-713	8-13-50	12:25	1:20,000	4.4 ft. above MLLW		
28545-548	8-13-50	16:40	"	4.5 " " "		
38171-172	7-19-52	14:50	"	2.5 " " "		

Tide (III)

Reference Station: Kodiak
Subordinate Station:
Subordinate Station: None (general area of sheet)

Washington Office Review by (IV):

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):

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		8.5
1.0		8.5

Date:

Date:

Date:

Date:

Recovered:

Recovered:

Identified:

Identified:

TOPOGRAPHIC MAPPING PROJECT 6056

5

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

MILEAGE FOR COST ACCOUNTS

No. Area sq.miles

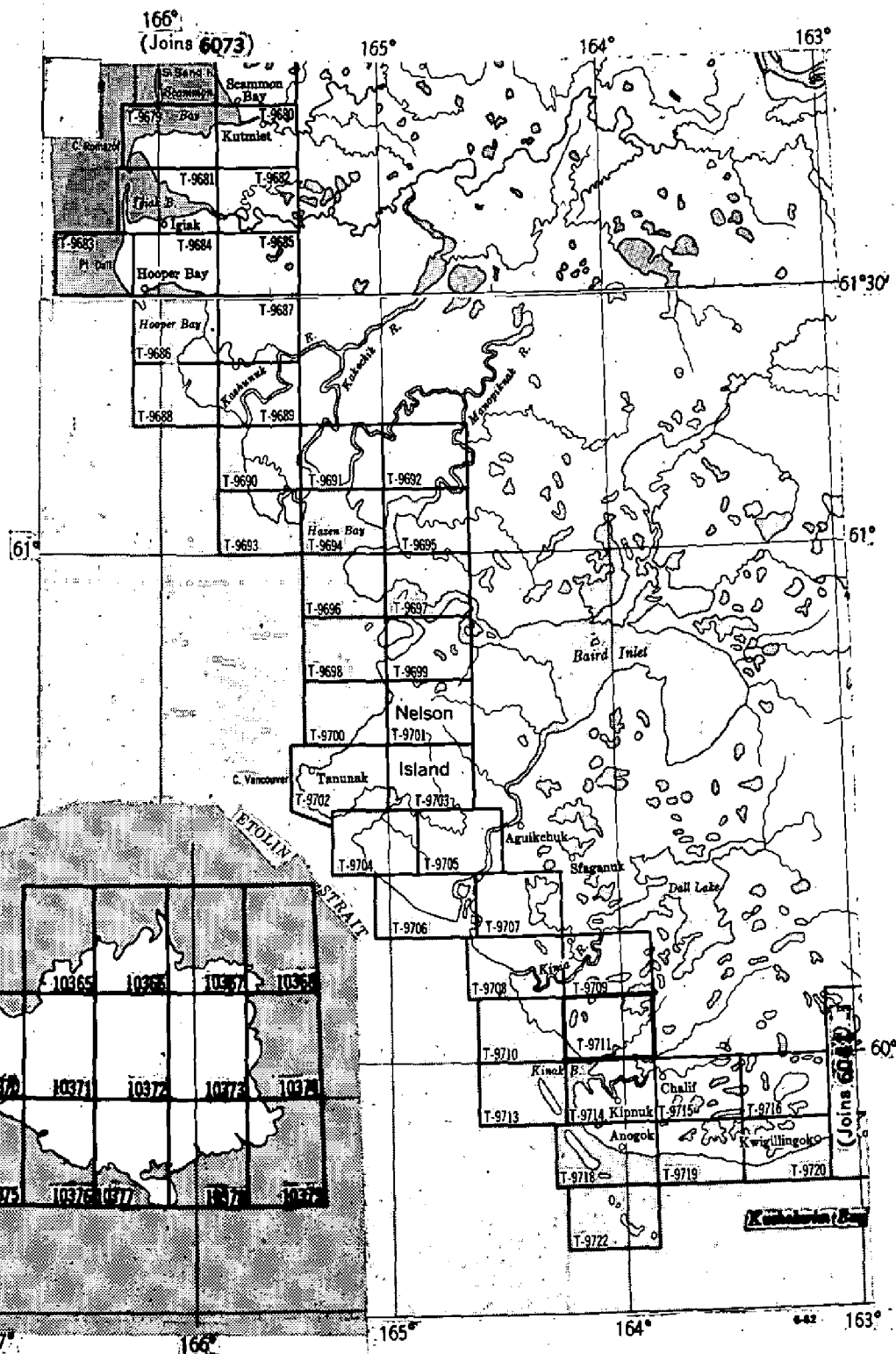
46
91
68
96
12
103
80
46
91
17
103
86
103
40
23
34
80
34
103
6
110
23
112
80
112
57
103
40
108
68
91
17
108
6
91
112
108
40
68
80
3

total...2,685

Nunivak Island

49
112
70
8
47
195
220
228
228
37
14
104
158
109
35

total 1,614



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-1)

Summary

to accompany topographic survey T-9711

This is a survey of Topographic Mapping Project PH-56 (24090). The project covers the coastal area from Scammon Bay southward to Kuskokwim Bay and Nunivak Island on the Bering Sea in Alaska. The relatively small area covered by T-9711 is directly northeast of Kinak Bay - east of Nunivak Island.

Subject area is almost all marsh and rivers and ponds. Only in the northwest portion are two separate areas of higher ground, that have been detailed by contours, one of these areas to reach an elevation of about 280 feet.

Project instructions date back to 1949. Photography (nine-lens) is from Aug. 1950 and July 1952. Field inspection was accomplished during season of 1951 and the radial plot in the Baltimore District Office in February of 1958. Compilation was completed during the same year by Reading Plotter in the Washington Office.

There are no previously registered topographic surveys nor contemporary hydrographic surveys of subject area.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

April 1959

The Field Inspection Report is filed with the
Descriptive Report for T-9679.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9711 PROJECT NO. Ph-56 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)
KINAK, 1951	IV p. 378	N.A. 1927	60 01 37.183 164 01 45.445			1150.8 (706.1) 703.9 (225.4)	
Sub. Pt. "A" KINAK, 1951		"	60 01 164 01			1184.5 (672.4) 740.0 (189.3)	
Sub. Pt. "B" KINAK, 1951		"	60 01 164 01			1172.4 (684.5) 771.9 (157.4)	
SHORE, 1949	IV p. 385	"	60 00 23.355 164 09 25.862			722.8 (1134.1) 400.8 (529.1)	
Sub. Pt. "A" SHORE, 1949		"	60 00 164 09			706.1 (1150.8) 326.0 (603.9)	
Sub. Pt. "B" SHORE, 1949		"	60 00 164 09			917.6 (939.3) 454.1 (475.8)	
MANY, 1949	IV p. 385	"	60 02 27.195 164 14 49.001			841.6 (1015.3) 758.6 (170.3)	
Sub. Pt. "A" MANY, 1949		"	60 02 164 14			894.0 (962.9) 610.5 (318.4)	
Sub. P. "B" MANY, 1949		"	60 02 164 14			806.6 (1050.3) 594.7 (334.2)	
CURLEW, 1949	IV p. 379	"	60 06 04.496 164 07 19.285			139.1 (1717.8) 298.0 (629.2)	
Sub. Pt. "A" CURLEW, 1949		"	60 06 164 07			161.7 (1695.2) 298.7 (628.5)	
Sub. Pt. "B" CURLEW, 1949		"	60 06 164 07			150.9 (1706.0) 280.4 (646.8)	

COMPILATION REPORT, T-9711

31. Delineation

The shoreline, contours and all spot elevations were determined by instrument methods. The balance of the details were drawn using graphic methods and rectified photos.

32. Control

Control was adequate both in respect to identification and to density and placement. However, field elevations of Curlew ('49) and Kipnuk ('49) were found to be too high to agree with elevations read on the Reading Plotter. These instrument elevations were based to tide data furnished by the Tides and Currents Divisions and were used rather than the field elevations.

33. Supplemental data

Trimetrogon photograph No. 68-1-V3.

34. Contours and drainage

No comment.

35. Shoreline and alongshore details

Shoreline inspection was adequate. The approximate low water line in Kinak Bay was drawn by office interpretation of photographs taken at 3 ft. above MLLW.

36. Offshore details

No comment.

37. Landmarks and aids

None

38. Control for future surveys

No hydro stations were established. One recoverable topographic station was established. Station is listed in Paragraph 49.

39. Junctions

Junctions were made with all adjacent sheets as shown on the project index attached.

40. Horizontal and vertical accuracy

No comment.

46. Comparison with existing maps

Manuscript was compared with:

~~U.S.G.S. KUSKOKWIM BAY, ALASKA, N5900-W~~
~~16200/60X80, 1951 edition.~~

U.S.G.S. BAIRD INLET, ALASKA, N6000-W
16200/60X80, 1951 edition.

47. Comparison with Nautical Charts

Manuscript compared with:

T-9302, scale 1:1,534,076, 17th edition
12/8/52, revised 12/24/56.

Items to be applied to Nautical Charts immediately

None

Items to be carried forward

None

Submitted

Wallace Heinbaugh
Wallace Heinbaugh
Cartographer (Photo)

Approved

Louis Levin
Louis Levin
Chief, Nine-lens Stereo Unit

NOTES TO THE HYDROGRAPHER

The following topographic station was established:

BITE, 1951

No hydro stations were established.

Review Report of
Topographic Survey T-9711
April 1959

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies:

BAIRD INLET, ALASKA, 1:250000, Ed. of 1951, US Geological Survey

This is a topographic reconnaissance survey and the considerable scale difference does not permit a detailed comparison.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

9302 1:1534076 Revised to 9/29/58

There is no other nautical chart coverage of subject area and above-listed chart is inadequate for comparison with subject survey at scale of 1:20000.

66. Adequacy of Results and Future Surveys:

T-9711 complies with project instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by:

Joseph J. Streifler
Joseph J. Streifler

Approved by:

Le Lande
Chief, Review & Drafting Section
Photogrammetry Division

5/18/61 J. W. Vaughn
Nautical Chart Division
Office of Cartography
Chief, Nautical Chart Branch
~~Charts~~ Division

Lee Swanson
Chief, Photogrammetry Division
30 March 1961

K. G. Crosby
Chief, Coastal Survey Division
Assistant Director for Oceanography

T-9711
14

GEOGRAPHIC NAME LIST

CHECHING

KINAK

KINAK BAY

KINAK RIVER

Dall Lake

Names approved 1-20-59
L. Heck

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9711

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.