

9717

Diag. Cht. Nos. 9103 and 9203.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-41 Office No. T-9717

LOCALITY

Territory Alaska
State

General locality Kuskokwim Bay

Locality West from mouth of Ilkevik River

1949

CHIEF OF PARTY

Curtis LeFevre, Chief of Party
Fred Natella, Portland Photogrammetric Office

LIBRARY & ARCHIVES

MAY 23 1958

DATE

COMM-DC 61300

44150-1707

2126

DATA RECORD

T - 9717

Project No. (II): 6041 Quadrangle Name (IV):

Ph-56(49)
41 24070

Field Office (II): Bethel, Alaska

Chief of Party: Curtis LeFevre

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Fred Natella

Instructions dated (II) (III): 5 April 1949 (field)
25 October 1950 (office)

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): JAN 26 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 2 April 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): Mean Sea Level

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (6) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): Refer to paragraph 12 of Office Instructions

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)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. Bishop, E. T. Ogilby, R. A. Pryce,
C. A. Annis and G. S. Jackson Date: Season 1949

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Located in 1949 on field inspection photographs taken in 1945, on tri-met photographs, and on K-20 hand held camera photographs.

Projection and Grids ruled by (IV): Date:

Projection and Grids checked by (IV): Date:

Control plotted by (III): J. L. Harris Date: Sept. 1955

Control checked by (III): J. E. Deal Date: Sept. 1955

Radial Plot or Stereoscopic Date: 14 Oct. 1955
Control extension by (III): J. L. Harris

Planimetry Date:
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): Date: 13. Dec. 1955
& Scribed D. N. Williams

Photogrammetric Office Review by (III): J. E. Deal Date: 30 Dec. 1955

Elevations on Manuscript Date: 13 Jan. 1956
checked by (II) (III): C. C. Harris (Wiebe)

Camera (kind or source) (III): C. & G.S. 9 lens - 8.25 inches focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
28283 and 28284	8/8/50	11:40	1:20,000	4.7 ft. above M.L.L.W.
28298 thru 29301	8/8/50	12:01	1:20,000	4.3 ft. above M.L.L.W.
28687 thru 28688	8/13/50	Clock Stopped	1:20,000	Unknown *

* Appear to be at a low-water stage

Tide (III)

Reference Station: Matarani, Peru
 Subordinate Station: Popokamute, Alaska
 Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring Range
3.7H	8.3	10.9
1.7L		

Washington Office Review by (IV): *Lina T. Stevens*

Date: 6 Feb 1957

Final Drafting by (IV): *Maynard McLaughlin*

Date: 3-11-58

Drafting verified for reproduction by (IV): *W. O. Hallin*

Date: 3-11-58

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 91

Shoreline (More than 200 meters to opposite shore) (III): 14.8 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 30.6 statute miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2 Recovered: 2 Identified: 2

Number of BMs searched for (II): Recovered: Identified:

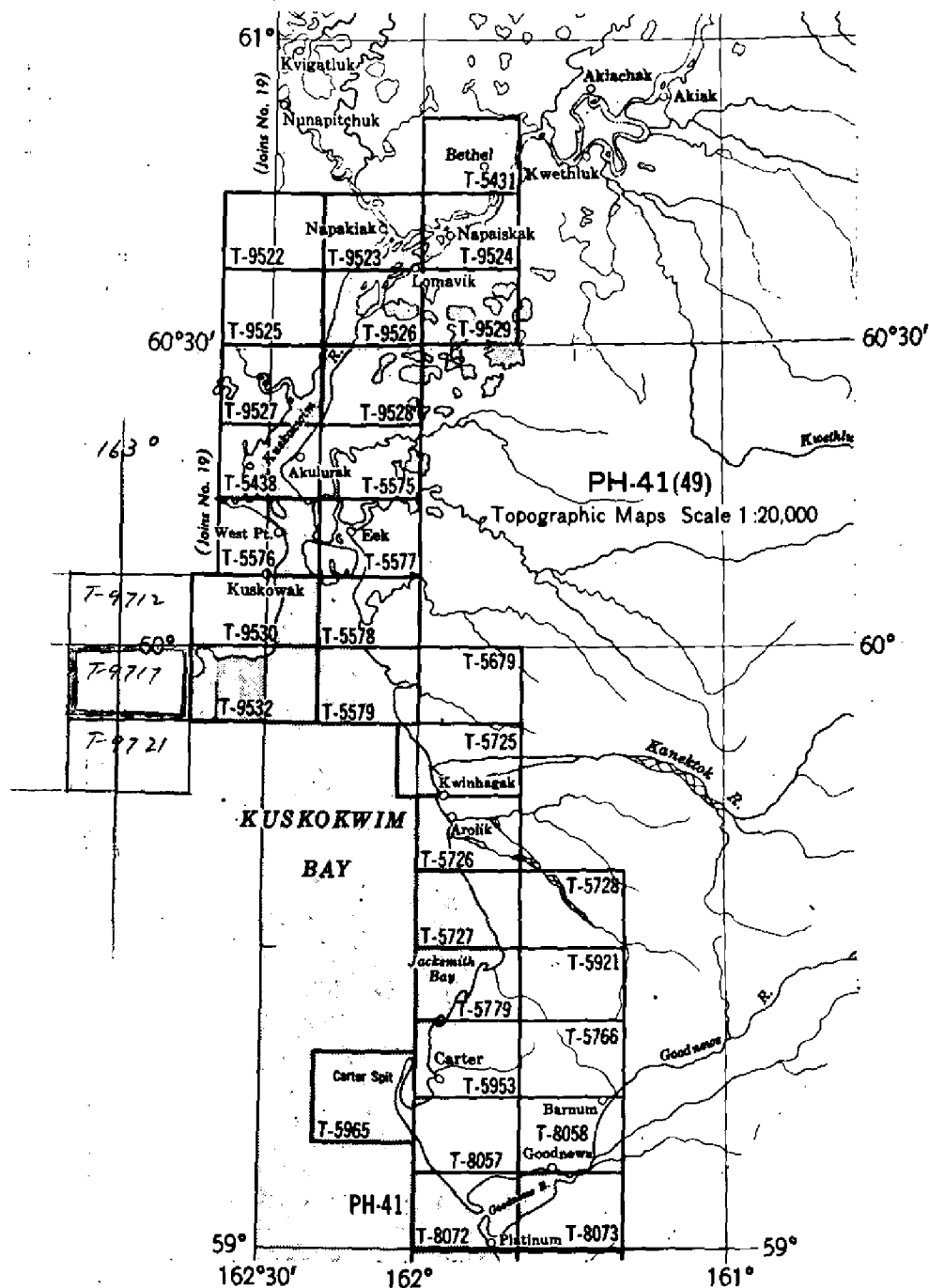
Number of Recoverable Photo Stations established (III): 3

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

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH-41(49) 24070

ALASKA, Bering Sea, Vicinity of Kuskokwim Bay



Topographic Maps Scale 1:20,000

Summary to Accompany T-9717

Project Ph-41(49), Kuskokwim Bay and River, has two sections: Ph-41(S) consists of twelve topographic maps extending from Platinum ($59^{\circ} 00'$) to Kwinhagak ($59^{\circ} 45'$); and Ph-41(N), twenty-two planimetric maps extending from Kwinhagak to the vicinity of Bethel ($60^{\circ} 52\frac{1}{2}'$).

The field work for the project was executed in the summer of 1949 under A. Newton Stewart in cooperation with the geodetic party in project G-949 under Curtis Le Fever and was a continuation of the Bristol Bay project (Ph-8-46).

After the maps for the project have been reviewed and reproduced, a Project Completion Report will be written. It will include a brief summary of the project, a listing of the various records and reports, and a set of project instructions.

A cloth-backed copy of each map at manuscript scale and the descriptive report will be registered and filed in the Bureau Archives.

FIELD INSPECTION REPORT

Map Manuscript T-9717

Project 6041

Refer to: Project Report for Ph-56(49)
Dated September 1949
Curtis LeFevre, Chief of Party

filed in project report in library

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-9717

Project 6041

Refer to the Photogrammetric Plot Report for map manuscripts T-9712, T-9717 and T-9721 which is included in the Descriptive Report for T-9712, Project 6041.

COMPILATION REPORT

Map Manuscript T-9717

Project 6041

Item 31 "Delineation" of the Compilation Report for T-9712 is applicable to T-9717 except for remarks relative to photograph coverage.

The photograph coverage was adequate for T-9717.

Items 32 thru 34 of the Compilation Report for T-9712 are applicable to T-9717.

35. SHORELINE AND ALONGSHORE DETAILS:

The remarks relative to the location and field inspection of shoreline and alongshore details found in the Compilation Report for T-9712 are applicable to T-9717. The predicted tide for one flight of photographs in T-9717 has been computed to be at about half tide. The time of day was not furnished for the other flight but these appear to be at a low-water stage. Approximate low-water lines were delineated from these latter photographs.

Items 36 and 37 of the Compilation Report for T-9712 are applicable.

38. CONTROL FOR FUTURE SURVEYS:

Forms 524 are submitted for three recoverable topographic stations which are listed in Item 49 "Notes to the Hydrographer". There were no photo-hydro stations located.

39. JUNCTIONS:

For facts concerning the junction between T-9717 and T-9532 refer to the Photogrammetric Plot Report for T-9712, T-9717 and T-9721 which is included in the Descriptive Report for T-9712. Satisfactory junctions were made on the north with T-9712 and on the south with T-9721.

40. HORIZONTAL AND VERTICAL ACCURACY:

There are no areas that are believed to be of sub-normal horizontal accuracy.

Vertical accuracy is limited to the location and establish-

ment of spot elevations on several water surfaces.

41. VERTICAL CONTROL:

Remarks relative to Vertical Control Stations found in the Descriptive Report for T-9712 are applicable to T-9717.

Vertical control stations and their elevations which appear on T-9717 are:

V-1120B	6.2 ft.
V-1111	20.3 ft.
V-1112	3.6 ft.
V-1113	33.1 ft.

Computations for the above are submitted with this Descriptive Report.

Items 46 and 47 of the Descriptive Report for T-9712 are applicable to T-9717.

Approved:



Fred Natella
Comdr., C&G Survey

Respectfully submitted:



J. Edward Deal
Cartographer

48. GEOGRAPHIC NAMES:

No final names sheet was furnished for the area of the map manuscript. There is only one name on the map manuscript namely:

KUSKOKWIM BAY

Ishrowik River (see remarks in
Desc. Report for
T-9712)

IKEVIK River

Approved 2-6-57
L. HECK

Review Report T-9717
Planimetric Map
6 February 1957

62. Comparison with Registered Surveys

There are no prior surveys for this area.

63. Comparison with Maps of Other Agencies

USGS Kuskokwim Bay 1:250,000 ed. 1951 Recon.

This quadrangle has only a generalized delineation.
T-9717 was not utilized.

64. Comparison with Contemporary Hydrographic Surveys

The latest hydrographic surveys were made in 1914-1916.
No comparison was made.

65. Comparison with Nautical Charts

There is no nautical chart of this map area.

66. Accuracy

This map complies with project instructions. The
shoreline is accurate and the interior delineation
meets charting needs.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

L. C. Lande
Chief, Review & Drafting Sec.
Photogrammetry Div.

Max Skellett
Chief, Nautical Chart Br.
Charts Division

Chief, Photogrammetry Division
BY

Chief, Coastal Surveys

49. NOTES TO THE HYDROGRAPHER:

Forms 524 are submitted for recoverable topographic stations
namely:

DARN, 1949

KITE, 1949

SACK, 1949

There were no photo-hydro stations located at the Compilation
Office.