

9532

Diag. Cht. No. 9103.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-41(49) Office No. T-9532

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality Ishkowiik River

1949-50

CHIEF OF PARTY

Curtis LeFever, Chief of Field Party
C.W.Clark, Portland Photo. Office

LIBRARY & ARCHIVES

DATE May 15, 1958

2350

DATA RECORD

T - 9532

Project No. (II): Ph-41 (49) North Quadrangle Name (IV):

Field Office (II): Bethel, Alaska

Chief of Party: Curtis LeFever

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 5 April 1949 (field)
26 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 2 1952

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 4/30/58

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 (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): See 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)

DATA RECORD

Field Inspection by (II):
 Shoreline and shoreline stations by: C.H. Bishop and E.T. Ogilby July 1949
 Inland horizontal control: None
 Vertical control: None
 Planetable contouring by (II): None in 1949

Date:

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Located in 1949 by field inspection on photographs taken in 1945.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): M.B. Elrod

Date: 7/6/51

Control checked by (III): Helen L. Laube

Date: 7/6/51

Radial Plot or Stereoscopic Control extension by (III): James L. Harris and J.E. Deal

Date: 8/7/51

Stereoscopic Instrument compilation (III):
 Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): Ree H. Barron

Date: 10/11/51

Photogrammetric Office Review by (III): J.E. Deal

Date: 10/11/51

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

Date:

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

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
<u>9-lens</u> 28273	8/8/50	11:18	1:20,000	4.5 ft. above M.L.L.W.
<u>Trimetrogen</u> 2-2011				
46-1-V72 to 75 Incl.	1946	Unknown	1:40,000	Unknown

Tide (III)

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

		Diurnal	
Ratio of Ranges	Mean Range	Spring Range	Neap Range
4.1 1.7	high low	2.1 9.4	12.0

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

Date: 29 Jan. 1957

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 10.7

Shoreline (More than 200 meters to opposite shore) (III): 11.2

Shoreline (Less than 200 meters to opposite shore) (III): 4.6

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 1

Recovered: 1

Identified: 1

Number of BMs searched for (II):

Recovered:

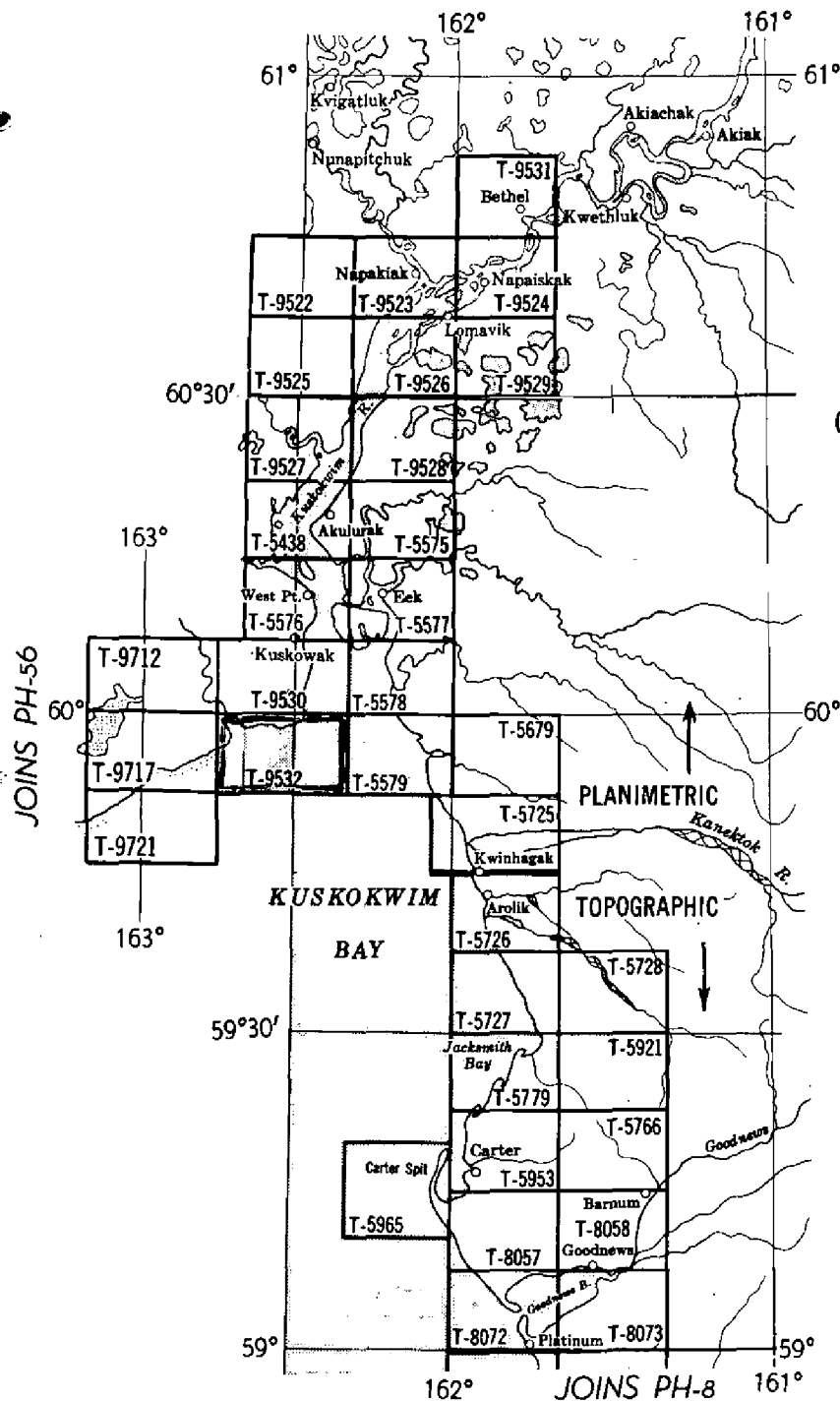
Identified:

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): 5*

Remarks: * Photo hydro stations were selected by the field inspection party
 by office examination of the photographs.

PLANIMETRIC AND TOPOGRAPHIC MAPPING PROJECT PH-41 ALASKA-BERING SEA, Kuskokwim Bay to Goodnews Bay



OFFICIAL MILEAGE FOR COST ACCOUNTS

PLANIMETRIC		TOPOGRAPHIC	
Sheet No's.	Sq. St. Miles	Sheet No's.	Sq. St. Miles
T-5438.....	55	T-5726.....	80
T-5575.....	54	T-5727.....	40
T-5576.....	65	T-5728.....	104
T-5577.....	80	T-5779.....	45
T-5578.....	45	T-5921.....	104
T-5579.....	35	T-5953.....	90
T-5679.....	108	T-5965.....	15
T-5725.....	104	T-5766.....	104
T-9522.....	18	T-8057.....	104
T-9523.....	65	T-8058.....	104
T-9524.....	76	T-8072.....	20
T-9525.....	65	T-8073.....	90
T-9526.....	65		
T-9527.....	54		
T-9528.....	45		
T-9529.....	82		
T-9530.....	88		
T-9531.....	100		
T-9532.....	18		
T-9712.....	80		
T-9717.....	91		
T-9721.....	6		
TOTALS	1399	TOTALS	900

PLANIMETRIC MAPS: Maps T-5438, T-5575 to T-5579, T-5725, T-9522 to T-9532, T-9712, T-9717 and T-9721.
TOPOGRAPHIC MAPS: Maps T-5726 to T-5728, T-5766, T-5779, T-5953, T-5965, T-8057, T-8058, T-8072 and T-8073

Compiled at 1:20,000 scale, from 1:20,000 scale nine-lens photographs taken August 1950
and 1:27,000 scale single-lens photographs taken August 1948.
(Refer to Air-photo Index B-52-53 and E-1-2).

For field work done on 1945 photography (See Air-Photo Index E)
For field work done on Tri-Met photography (See Tri-Met Index).

Summary to Accompany
T-9532

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 LeFever 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 No. T-9532
Project Ph-41(49) North

Refer to: "PROJECT REPORT, KUSKOKWIM BAY AND RIVER,
Project Ph-41(49) North June-July 1949,"

Curtis LeFever, Chief of Party

*Filed with Completion Report
in the Library*

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-9532
Project Ph-41(49) North

Refer to the combined Photogrammetric Plot Report for Map Manuscripts T-5438, T-5575, T-5576, T-9530 and T-9532, Project Ph-41(49) North which is included in the Descriptive Report for T-5438 (1949).

COMPILATION REPORT
Map Manuscript No. T-9532
Project Ph-41(49) North

Side headings 31 to 35 incl., 37, 39, 40 and 46 of the Compilation Report for T-5438 are applicable.

36: OFFSHORE DETAILS:

There were no offshore details indicated by field inspection and none were observed by office examination of the photographs.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted for the following recoverable topographic stations;

FLOP PAIN SOLO

These stations along with the radially plotted photo hydro stations are listed under side heading 49: "NOTES TO THE HYDROGRAPHER."

The photo hydro stations were selected and described by the field party by office examination of the field photographs. The number given for each of these stations was assigned at the Photogrammetric Office.

47: COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Nautical Chart No. 9103, Sept. 1916, (2nd edition) last printed 10/30/50, Scale 1:200,000.

A visual comparison was made with Nautical Chart No. 9104, Oct. 1918 (3rd edition) last printed 12/27/48, Scale 1:100,000.

The planimetric details common to the map manuscripts and charts are in general disagreement.

Items to be applied to nautical charts immediately:

None

Items to be carried forward:

None

Approved:

Charles W. Clark
Charles W. Clark
Officer-in-Charge

Respectfully submitted:

J. Edward Deal Jr.
J. Edward Deal, Jr.
Cartographer

T-9532.

Geographic Names.

Alaska

Ighkowiik River

Kuskokwim Bay

Names approved 1-30-57.
L. Heck.

L. Heck

49: NOTES FOR THE HYDROGRAPHER:

T-9532

Recoverable topographic stations falling in the area of Map Manuscript T-9532 are as follows:

FLOP, 1949
PAIN, 1949
SOLO, 1949

Photo hydro points, which were selected in the office by the field party, falling in the area of Map Manuscript No. T-9532 are as follows:

147 - N. tip of projection of shoreline into pond
148 - S. tip of pond
149 - S.W. tip of projection of shoreline
150 - S. tip of pond
151 - N. tip of small pond

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9532

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒
40. Rec. H. Barron J. Edward Deal Jr.
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

Review Report T-9532
Planimetric Map
29 January 1957

61. General

The control used in laying the radial plot of which this map is a part, had received field computations only. The map which adjoins on the west (T-9717) was based on control which had received final computation, so that there is some difference in the projection datums.

62. Comparison with Registered Surveys

There are no prior surveys in this area.

63. Comparison with Maps of Other Agencies

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

T-9532 was not used in the compilation of this quadrangle so that there is only a very generalized agreement.

64. Comparison with Contemporary Hydrographic Surveys

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

65. Comparison with Nautical Charts

9103, 1:200,000, Sent. 1916, Corr. Feb. 1952

The chart depicts only an unsurveyed shoreline and no interior detail in the T-9532 area.

66. Accuracy

This map complies with project instructions and meets the National Standards of Accuracy.

Reviewed by

K. H. Maki
for Lena T. Stevens

Approved

L. C. Hande
Chief, Review Section
Photogrammetry Division

Aut *B. J. B.*
Chief, Photogrammetry
Division

BSY

W. H. B. B.
Chief, Nautical Chart Branch
Charts Division

J. D. B.
Chief, Coastal Surveys
Division