

8530

Diag. Cht. Nos. 9103 and 9104.

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-9530

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality Popokamiut

1949-50

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 15, 1958

B-1870-1 (1)

8530

DATA RECORD

T - 9530

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

*Field position prior to office
adjustment used for this
map.*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 & E.T. Ogilby Date: July 1949
 Inland horizontal control: None
 Vertical control: None
 Planetable contouring by (II): 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): MaB. Elrod Date: 7/6/51

Control checked by (III): Helen Laube Date: 7/6/51

Radial Plot or Stereoscopic James L. Harris and J.E. Deal Date: 8/7/51
 Control extension by (III):

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

Manuscript delineated by (III): Helen L. Laube Date: 11/14/51

Photogrammetric Office Review by (III): Ree H. Barron Date: 11/19/51

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

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide	
28271 and 28272	8/8/50	11:17 shore	1:20,000	5.8 ft. above M.L.L.W.	57.15
28277 thru 28279	"	11:34	"	5.8 ft. " "	4.8
28302 and 28303	"	12:12 inland	"	4.3 ft. " "	3.9

Tide (III)

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

Diurnal		
Ratio of Ranges	Mean Range	Range
3.7 high	2.1	
1.7 low	8.3	10.9

Washington Office Review by (IV): *Levat. Stevens*

Date: 28 Jan. 1957

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

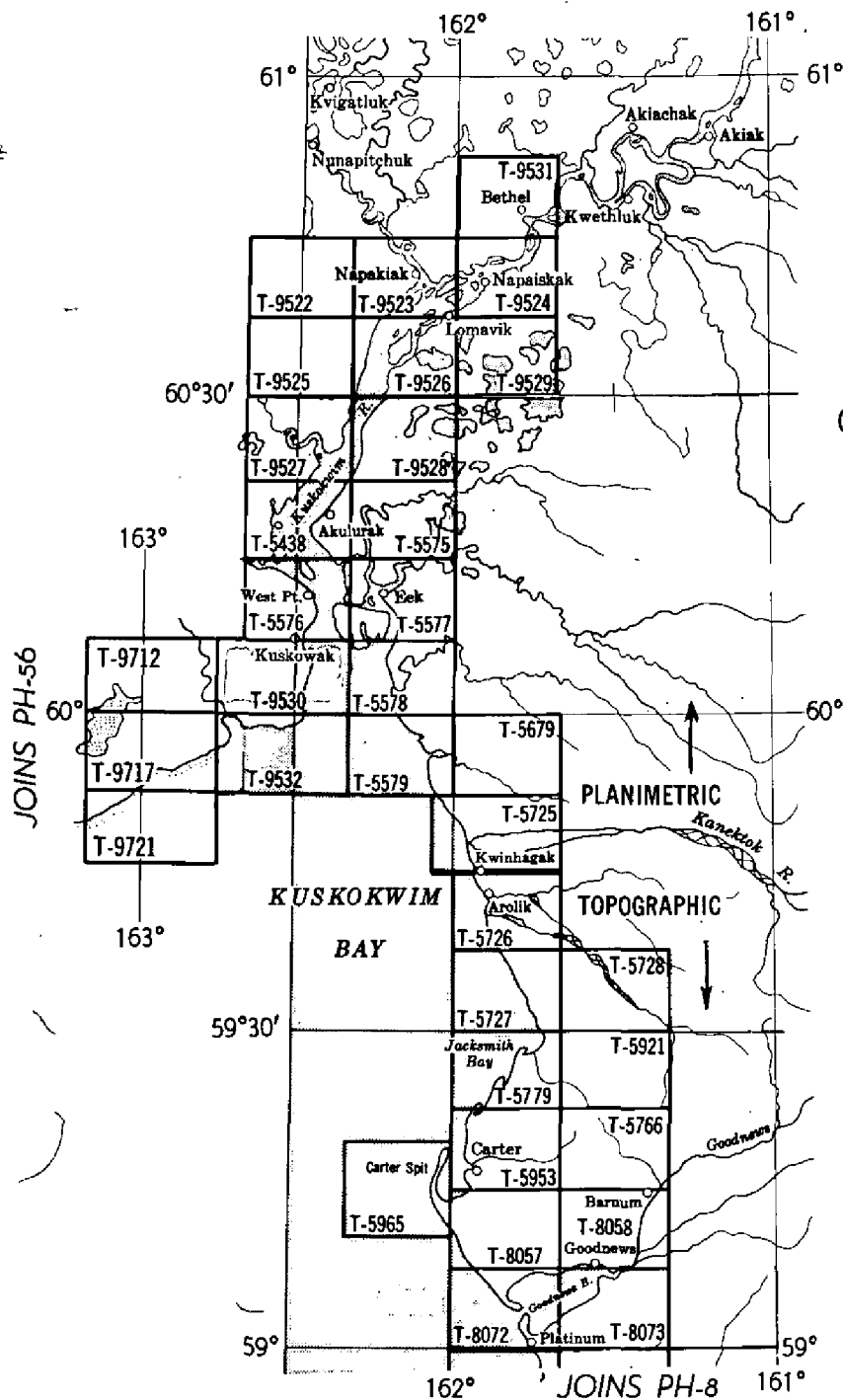
Date:

Land Area (Sq. Statute Miles) (III): 81.4
 Shoreline (More than 200 meters to opposite shore) (III): 13.3
 Shoreline (Less than 200 meters to opposite shore) (III): 27.6
 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): 2
 Number of Temporary Photo Hydro Stations established (III):

Remarks:

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-9530

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)).

T-9530 includes the west bank of the Kuskokwim River at its mouth. Reference station Popocamiuto is located in this map area.

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 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-9530
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-9530
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-9530
Project Ph-41(49) North

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

38: CONTROL FOR FUTURE SURVEYS:

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

DOME

TAPE

There are no photo hydro stations in the area of this map manuscript.

The recoverable topographic stations are listed under side heading 49: "NOTES TO THE HYDROGRAPHER".

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-9530.

Geographic Names.

Alaska

Kuskokwim River

Popokamiut (Fishing Camp)

(according to various names report there is only 1 building left at this site, used only as an occasional fishing camp)

Ighkowiik River

this is the preferred name, according to the final report by Commander Stewart.

It is not believed that the name West~~er~~ Channel should be shown on this map, since it is poorly defined.

Names approved 1-28-57.

L. Heck *LH*

49: NOTES FOR THE HYDROGRAPHER:

T-9530

Recoverable topographic stations falling in the area of Map
Manuscript No. T-9530 are as follows:

DOME, 1949
TAPE, 1949

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9530

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 None 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. Ree H. Barton J. Edward Dear 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-9530
Planimetric Map
28 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-9712) was based on control which had received final computations, 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

U.S.G.S Baird Inlet, 1:250,000, Ed.1951, Recon.

T-9530 was used in compiling with quadrangle's shoreline and interior. Off shore mud flats are not in exact agreement, and the trail along shore on the quadrangle is not on T-9530.

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, Sept. 1946, Corr. Feb. 1952

This chart has only a generalized shoreline and no interior detail.

66. Accuracy

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

Reviewed by

K. H. Maki
for Lena T. Stevens

Approved

L. C. Lande
Chief, Review Section
Photogrammetry Division

Ad
J. L. Luce
Chief, Photogrammetry
Division

Max B. Batts
Chief, Nautical Chart Branch
Charts Division

S. D. Seemell
Chief, Coastal Surveys
Division