

5575

Diag. Cht. No. 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-5575

LOCALITY

State Alaska

General locality Kuskokwim River

Locality Eenayarak River

1949-50

CHIEF OF PARTY

C. LeFever, Chief of Field Party

C. W. Clark, Portland Photo. Office

LIBRARY & ARCHIVES

DATE July 24, 1958

5575

DATA RECORD

T - 5575

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
JAN 2 1952

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 3/5/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): Mean ~~Sea Level~~ ^{High Water}

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 & Shoreline stations by: C.H. Bishop Date: June 1949

Inland horizontal control by: C.H. Bishop & E.T. Ogilby

Vertical control by: C.A. Martin

Planetable contouring by (II): None in 1949

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 Laube

Date: 7/6/51

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

Date: 8/7/51

Planimetry
Stereoscopic Instrument compilation (III):

Date:

Contours

Date:

Manuscript delineated by (III): M.B. Elrod

Date: 8/31/51

Photogrammetric Office Review by (III): Ree H. Barron

Date: 10/10/51

Elevations on Manuscript
checked by (II) (III): Ree H. Barron

Date: 10/10/51

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
28562 to 28564	8/8/50	unknown	1:20,000	Unknown

*Field Photographs, 1948:
22990*

Kodak, 620: Field Party Photographs (for identification of control stations) pp. 6, 7, 11

Tide (III)

Reference Station: Matarani, Peru
Subordinate Station: Proportioned between Apokak and Bethel, Alaska
Subordinate Station:

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

Washington Office Review by (IV):

Lina T. Stevens

Date: 5 May, 1954

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 81.0

Shoreline (More than 200 meters to opposite shore) (III): None

Shoreline (Less than 200 meters to opposite shore) (III): 26.0

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 3

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

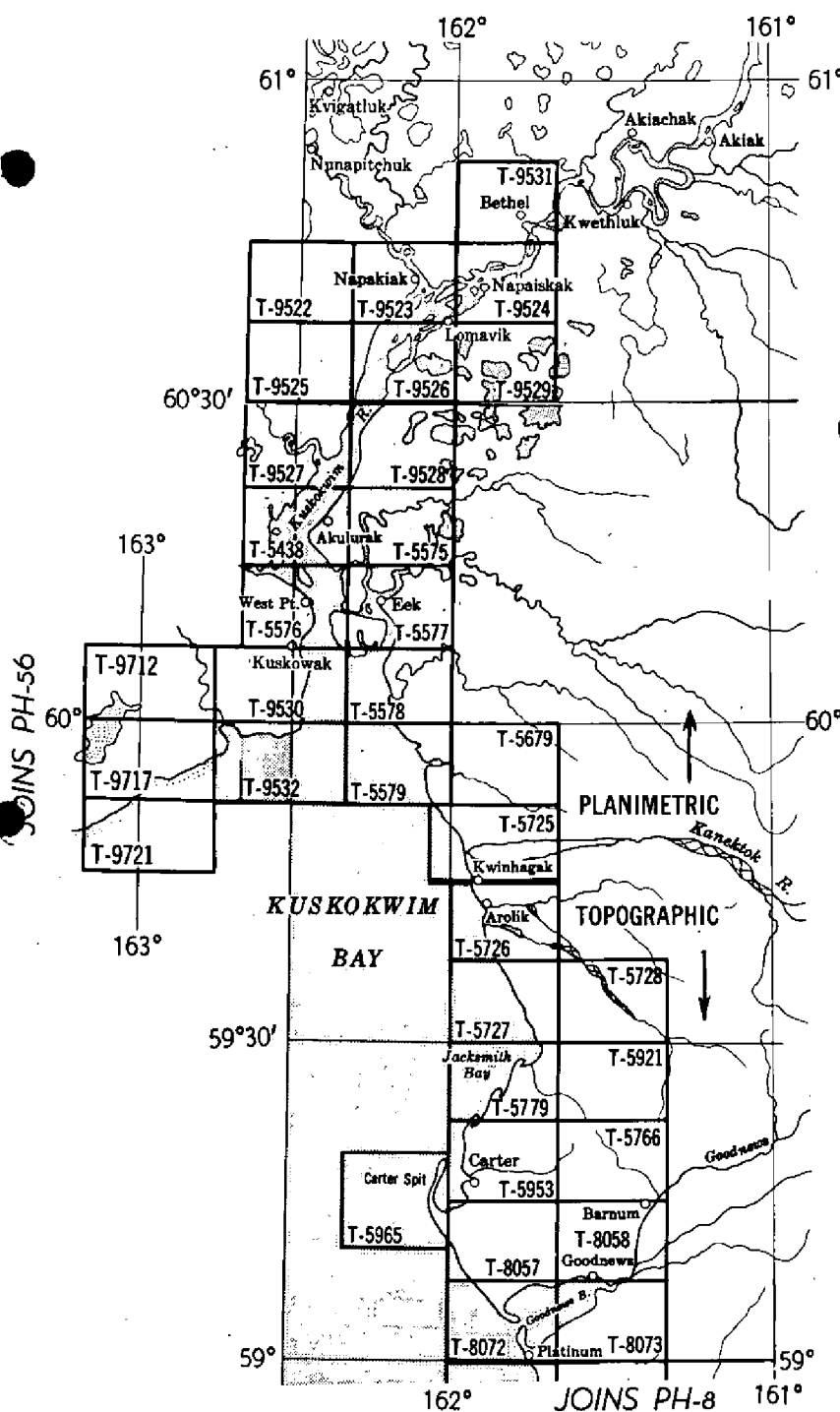
Number of Recoverable Photo Stations established (III): None

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

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	TOTALS	900
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		

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-5575

Project Ph-41(49) consists of 22 planimetric and 12 topographic surveys. The planimetric surveys cover the east and the west sides of Kuskokwim River from Kwinhagak to Bethel. The topographic Surveys extend from Goodnews Bay to Kwinhagak.

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.

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

A cloth-backed copy of each map and the descriptive reports will be registered and filed in the Bureau Archives.

FIELD INSPECTION REPORT
Map Manuscript No. T-5575
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

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-5575
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-5575
Project Ph-41(49) North

Side headings 31 to 35 incl., 37, 39, 40, 46, and 47 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:

There is none in the area of this map manuscript.

41: VERTICAL CONTROL:

There were only sufficient field data to compute no-check eleva-
tions for the identified vertical control stations.

Stations and elevations shown on the map manuscript are as follows:

V-1109	Elev. 7.4 ft.
V-1110	Elev. 8.7 ft.

Computations for the above are being submitted with this descrip-
tive report.

Approved:

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

Respectfully submitted:

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

48: GEOGRAPHIC NAME LIST:

Final geographic names were furnished this office on copies of the following maps:

Aeronautical Chart: - Bethel (1196) Alaska
 U.S.G.S. Alaska Reconnaissance Topographic Series Map,
 Bethel, Alaska
 U.S.G.S. Alaska Map 18: - Goodnews District Alaska
 Nautical Chart (Kuskokwim Bay) No. 9103

T-5575

* Eenayarak River

* A study of the photographs and also a conference with the field man indicates that the main channel of Eenayarak River empties into the Eek River (see below) rather than turning sharply west into a small slough north of Eek Island and thence into the Kuskokwim River as indicated on the final name sheet. Mr. Charles Bishop, who made the geographic names investigation, is in agreement with this assumption and states that the description of the course of this river is misleading in the geographic names report. *New U.S.G.S. - Baird Inlet shows it as joining Eek R. on T-5577 L. Heck*

The final geographic names in this area should be determined by deciding whether the Eek River empties into a slough extending around the east and north sides of Eek Island or continues south and empties into the Kuskokwim Bay at the south end of Eek Island. If the first assumption is correct the slough should be given a name. It is shown as Eek Channel on Nautical Chart No. 9104. This name is not recommended on the final names sheet.

These names also apply to map manuscripts T-5577 and T-5578 which have been forwarded to the Washington Office.

Also see Coast Pilot description of this area.

Kuskokwim River (for title)
Eek River
Eenayarak River (leave unchanged, as on map)

Names approved
 5-6-54
 L. Heck

PHOTOGRAMMETRIC OFFICE REVIEW

T-5575

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) None 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. 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
Planimetric Map T-5575
5 May 1954

62. Comparison with Registered Surveys.-No previous surveys were made.

63. Comparison with Maps of other Agencies.-

USGS Baird Inlet (Recon.) 1:250,000, 1951

An advance print of T-5575 was used for this area of the quadrangle.

64. Comparison with Contemporary Hydrographic Surveys.-The latest hydrographic surveys were made in 1914 and 1915.

65. Comparison with Nautical Charts.-

9104 1:100,000, ed. Oct. 1918, rev. March 1952

Eek Island to Bethel.

T-5575 is an interior area and is not delineated on the chart.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved:

L. C. Lande
Chief, Review Branch
Div. of Photogrammetry

Max H. Keltz
Chief, Nautical Chart Branch
Division of Charts

J. Bull
Chief, Div. of Photogrammetry

J. B. Hume
Chief, Div. of Coastal Surveys