

5679

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-5679

LOCALITY

~~State~~ Territory of Alaska

General locality Kuskokwim Bay

Locality Vicinity of the north and south
branches of Warehouse Creek and interior
to the east shoreline of Kuskokwim Bay.

1949

CHIEF OF PARTY

A. Newton Stewart - Chief of Party

Charles W. Clark - Portland Photogrammetric
Office

LIBRARY & ARCHIVES

MAY 15 1958

DATE

5679

DATA RECORD

T-5679

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

Field Office (II): Bethel, Alaska
Platinum, AlaskaCurtis LeFever
Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 3 March 1949 (Stewart)
5 April 1949 (LeFever)
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): 9-25-51 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 5/5/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): ^{High Water} 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): A. N. Stewart, Chief of Party

Date: Season 1949

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): The shorelines of the narrow rivers existing in this interior area were located by office inspection of the photographs.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

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

Date: 16 Nov. 1950

Control checked by (III): H.L. Laube

Date: 16 Nov. 1950

Radial Plot or Stereoscopic Control extension by (III): H.L. Laube and C. Wiebe

Date: 18 Dec. 1950

Stereoscopic Instrument compilation (III): *Planimetry*

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

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

Date: 6 June 1951

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

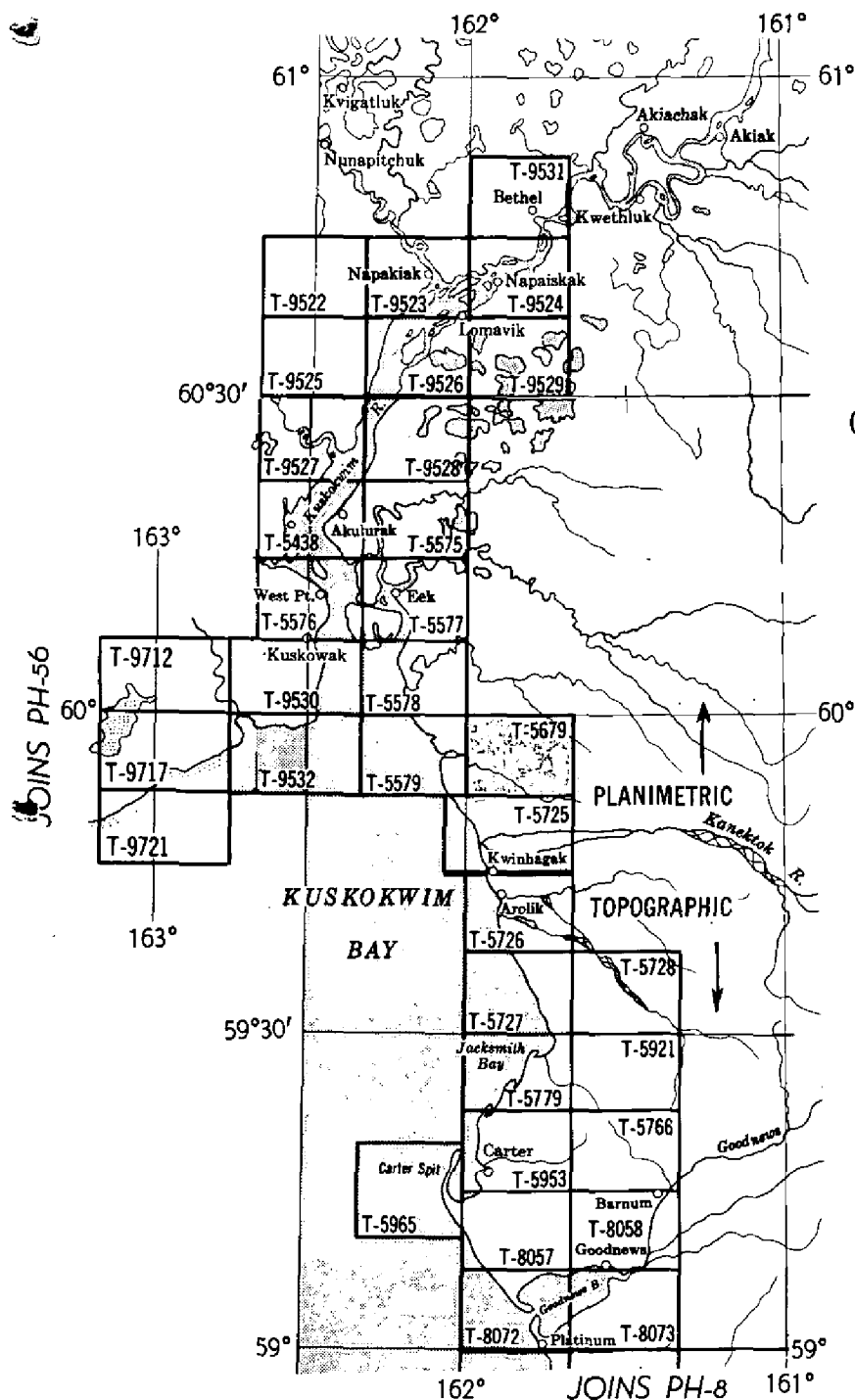
Date: 10 Aug. 1951

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

Date: 10 Aug. 1951

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-5679

Project Ph-41(49) consists of 22 planimetric and 12 topographic surveys. The planimetric surveys cover the east and the west sides of Koskokwim 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 the various records and reports, and a set of project instructions.

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

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

Number
28570 to 28572 Incl.

Date
8/8/50

PHOTOGRAPHS (III)

Time
Unknown

Scale
1:20,000

Stage of Tide
The narrow streams in the area are probably only subject to slight tidal action.

FI Photos:

14714 (1945)
14715
14716
22982 (1948)
22983

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Lena T. Stevens

Date: 28 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): 72.2

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

Shoreline (Less than 200 meters to opposite shore) (III): 24.6

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): None

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

Remarks:

FIELD INSPECTION REPORT
Map Manuscript T-5679
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

PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
KUSKOKWIM BAY, ALASKA.
Project Ph-41(49) May to July 1949
A. Newton Stewart, Chief of Party

*Filed as part of the
Completion Report*

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-5679
Project Ph-41(49) North

Refer to the Photogrammetric Plot Report for T-5577 to T-5579
incl., T-5679 and T-5725 which is included in the Descriptive Report
for T-5577 to T-5579 incl.

COMPILATION REPORT
Map Manuscript No. T-5679
Project Ph-41(49) North

Side headings 31 to 34 incl., 39, 46 and 47 of the Compilation Report for T-5577 to T-5579 incl. are in general applicable to this compilation report.

Side headings 35, 36 and 37 are not applicable since only narrow creek beds appear in this area.

38: CONTROL FOR FUTURE SURVEYS:

There was none located within the limits of this map manuscript.

40: HORIZONTAL AND VERTICAL ACCURACY:

Vertical accuracy is not applicable.

The planimetric detail in the extreme eastern part of this map manuscript could possibly be of sub-normal accuracy due to the absence of horizontal control stations.

41: VERTICAL CONTROL:

None was identified in the area for location by radial plot.

Approved:

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

Respectfully submitted:

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

Em
3

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-5679

North Branch Warehouse Creek - (From Description of triangulation station SOONER.)

Warehouse Creek

Names approved 5-28-54
L. Heck

PHOTOGRAMMETRIC OFFICE REVIEW

T- 86 79

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. Ric H. Brown 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-5679
28 May 1954

61. General.-This map is of an interior area and has no shoreline that bounds navigable waters. The area is pre-dominantly low tundra and the tributary streams have marsh valleys in which a stream bed is not surely distinguishable. Only the more prominent drainage channels have been delineated, but enough to suggest the trend. Only the western portion of the map classifies the terrain.

62. Comparison with Registered Surveys.-No earlier topographic surveys were made.

63. Comparison with Maps of Other Agencies.-

USGS Goodnews, Alas. 1:250,000, 1951

T-5679 was used for this portion of the quadrangle.

64. Comparison with Contemporary Hydrographic Surveys.-The latest hydrographic surveys were made in 1914-15.

65. Comparison with Nautical Charts.-

9103 1:200,000 at 59° 20', Sept. 1916, rev. Oct. 1952

No interior detail is charted in the area included in T-5679.

66. Accuracy.-The western half of the delineation meets the National Standards of Map Accuracy. The eastern half is probably sub-standard because control was not established so far east.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED

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

Max R. Klett
Chief, Nautical Chart Branch
Div. of Charts

Art B. Burre
Chief, Div. of Photogrammetry

W. H. Russell
Chief, Div. of Coastal Surveys