5766

Diag. Cht. No. 9103.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-41(49)S Office No. T-5766

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality Goodnews River

1949-50

CHIEF OF PARTY

A.N.Stewart, Chief of Field Party
L.W.Swanson, Div. of Photo.Wash.,D.C.

LIBRARY & ARCHIVES

DATE May 23, 1958

B-1870-1 (1)

5766

DATA RECORD

T - 5766

Project No. (II): Ph-41(49)S Quadrangle Name (IV): BARNUM CREEK

Field Office (II): Portland, Oregon Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Washington, D.C. Officer-in-Charge: L.W. Swanson

Instructions dated (II) (III): 3 March 1949 Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Reading, 9-lens plotter

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III): 1.0

Date received in Washington Office MAR 16 1955 Date reported to Nautical Chart Branch (IV): Mar. 23, 1955

Applied to Chart No. Date: Date registered (IV): 15 April 1958

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA 1927 Vertical Datum (III):

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):

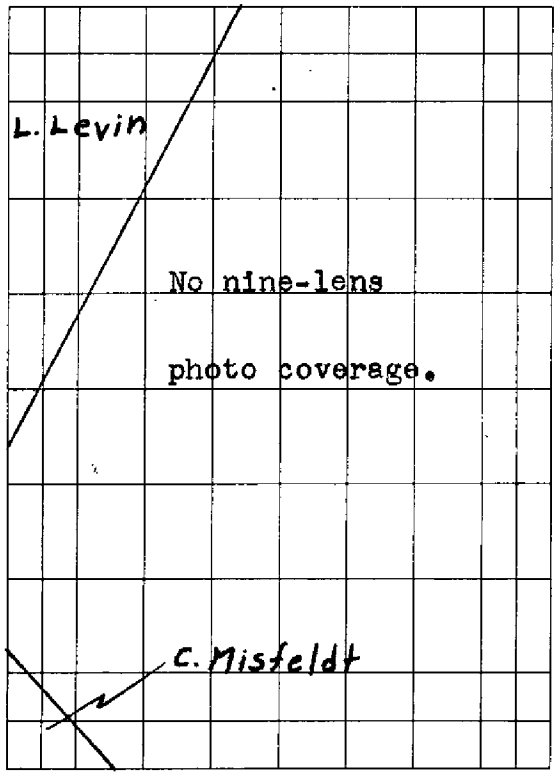
Lat.: Long.: Adjusted ~~Unadjusted~~

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. Newton Stewart — Date: July 1949

Planetable contouring by (II): None — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location):
Compiled from photos taken 8 Aug. 1950.

Projection and Grids ruled by (IV): Austin Riley — Date: 17 Sept. 1953

Projection and Grids checked by (IV): H. D. Wolfe — Date: 18 Sept. 1953

Control plotted by (III): L. C. Lande — Date: 20 Sept. 1953

Control checked by (III): N. S. Schultz — Date: 22 Sept. 1953

Radial Plot ~~or Stereoscopic~~
~~Control extension~~ by (III): S.G. Blankenbaker — Date: 28 Oct. 1953

Stereoscopic Instrument compilation (III):
Planimetry Louis Levin — Date: June 1954
Contours Louis Levin — Date: June 1954

Manuscript delineated by (III): J. B. McDonald — Date: Nov. 1954

Photogrammetric Office Review by (III): Orvis N. Dalbey — Date: 3 March 1955

Elevations on Manuscript
checked by (II) (III): Orvis N. Dalbey — Date: 3 March 1955

M-2618-12(4)

T-5766

Camera (kind or source) (III): USC&GS nine-lens camera, Model "B", f = 8.25"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
28 388-390	8 Aug. 1950	14.25	1:20,000	~~-9.1~~ 7.6 below MHW

Tide (III) Diurnal

	Ratio of Ranges	Mean Range	~~Spring~~ Range
Reference Station:			8.6
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): Lena T. Stevens Date: 29 April, 1955

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 9

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

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): Recovered: Identified: 1

Number of BMs searched for (II): None Recovered: None Identified: None

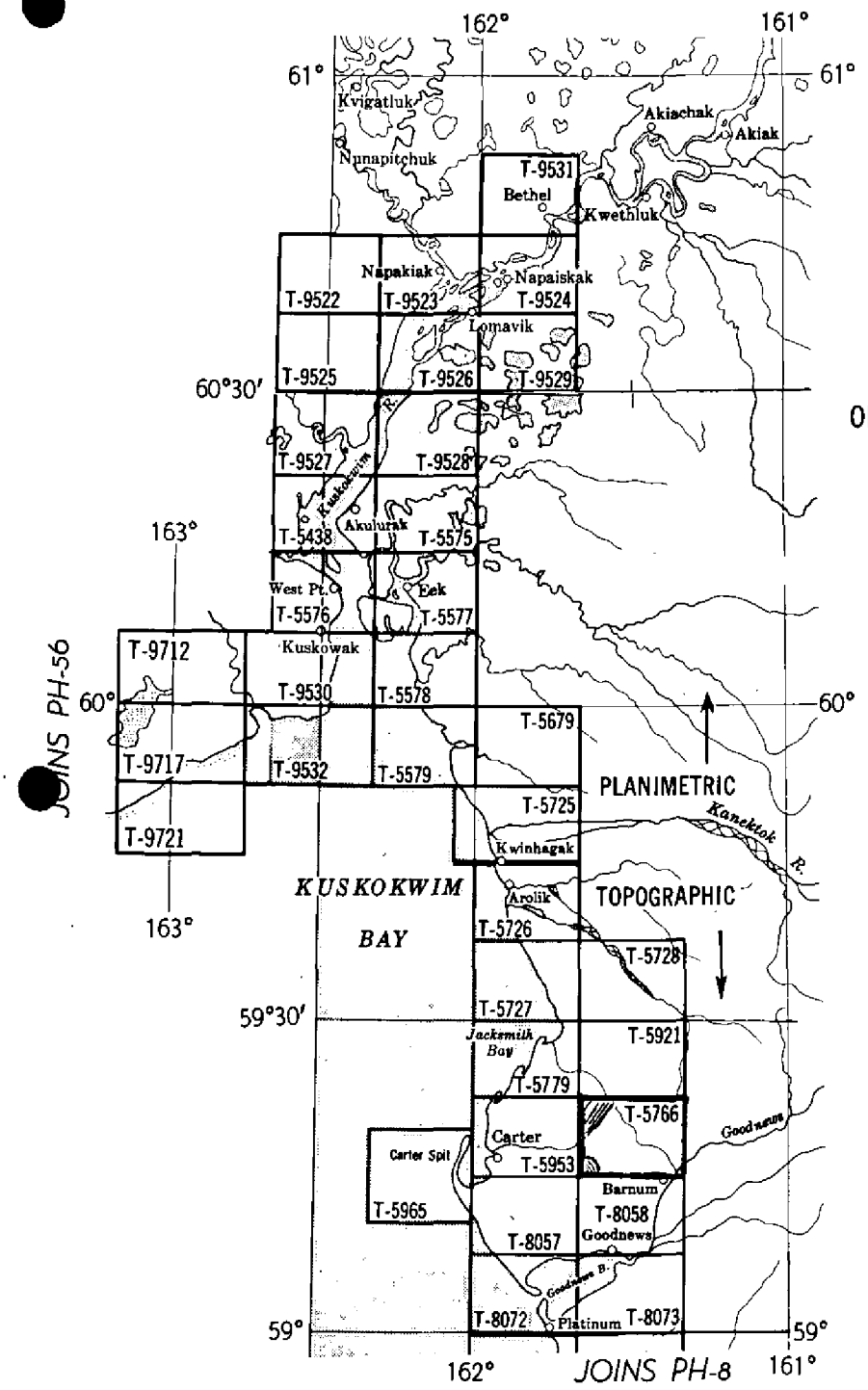
Number of Recoverable Photo Stations established (III): None

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 Sheet No's.	Sq. St. Miles
T-5438	55
T-5575	54
T-5576	65
T-5577	80
T-5578	45
T-5579	35
T-5679	108
T-5725	104
T-9522	18
T-9523	65
T-9524	76
T-9525	65
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

TOPOGRAPHIC Sheet No's.	Sq. St. Miles
T-5726	80
T-5727	40
T-5728	104
T-5779	45
T-5921	104
T-5953	90
T-5965	15
T-5766	104
T-8057	104
T-8058	104
T-8072	20
T-8073	90
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-5766

Project Ph-41(49), Kuskokwim Bay and River, has two sections: Ph-41(S) includes twelve topographic maps, extending from Platinum (59° 00' to Kwinhagat (59° 45'); and Ph-41(N), twenty-two planimetric maps extending from Kwinhagat to the vicinity of Bethel (60° 52-1/2').

The field work was carried out as a combined operation between Photogrammetry and Geodesy (project G-949) during the season 1949 and was a continuation of the Bristol Bay project, 1948.

T-5766 is an interior map which includes only the headwater areas of Cripple Creek and the South Fork of Indian River, and a portion of the road leading from Goodnews Bay, northward to AROLIK Creek.

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FIELD INSPECTION REPORT

2-20: See separate report entitled:

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 in Project report PH41
in library

RADIAL PLOT REPORT

22-30: The entire area of this project was covered by one radial plot. The report is included in the Descriptive Report for T-8072.

COMPILATION REPORT

T-5766

31. Delineation.-The planimetry and contours were compiled on the Reading Nine-lens "B" plotter using rectified metal mounted photographs.

No unusual difficulty was encountered in delineating the contours and planimetry.

The limits of compilation were determined entirely by the available nine-lens photo coverage.

32. Control.- Refer to paragraph 23, Radial Plot Report. The vertical control is believed to be adequate for the control of 50' contours. One unchecked field elevation, pk. 232, could not be held during compilation. It appeared to be approximately 600 feet too high.

33. Supplemental Data.- None available.

34. Contours.- See side headings 31 and 32.

35, 36, 37, 38.- Not applicable.

39. Junctions.- Junctions were made with T-5721 on the north, T-8058 on the South, and T-5953 on the West.

40. Horizontal and Vertical Accuracy.- It is believed that no area of the map is below the horizontal or vertical accuracy requirements.

46. Comparison with Existing Maps.-Comparison was made with 1:250,000 USGS map "Goodnews".

47. Comparison with Nautical Charts.- Comparison was made with 1:200,000 scale Nautical Chart No. 9103.

48. Geographic Names List.- Listed on following page.

49. Notes to the Hydrographer.- Not applicable.

50. Compilation Office Review.- See enclosed Form T-2.

APPROVED: RESPECTFULLY SUBMITTED:

Orvis N. Dalbey
Supervisory Cartographer

Louis Levin
Cartographer

GEOGRAPHIC NAMES

T-5766

Cripple Creek

South Fork (Indian River)

Names approved
5-3-55
a.g.w.

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-5766

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 alongshore 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. Orvie N. Dalby
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:

M-2623-12

Review Report
Topographic Map T-5766
29 April 1955

62. Comparison with Registered Surveys:

There is no earlier survey.

63. Comparison with Maps of Other Agencies:

USGS Goodnews Bay 1:250,000, 1951 (Reconn.)

64. Comparison with Contemporary Hydrographic Surveys:

This does not apply to T-5766.

65. Comparison with Charts:

Neither 9103 nor 9302 map this area.

66. Accuracy:

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

Reviewed by:

Lena T. Stevens

Lena T. Stevens

APPROVED:

L. C. Lande
Chief, Review Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 5766

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1958	9103	L.S.S.	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.