

5921

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-5921

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality Jacksmith Bay

194 9

CHIEF OF PARTY

A.N. Stewart, Chief of Field Party

L.W. Swanson, Div. of Photo. Wash, D.C.

LIBRARY & ARCHIVES

DATE June 15, 1958

B-1870-1 (1)

5921

DATA RECORD

T-5921

Project No. (II): **Ph-41 (49)S** Quadrangle Name (IV): **Figure Four Mountain**

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 Plotters**

Manuscript Scale (III): **1:20,000**

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

Scale Factor (III): **0**

Date received in Washington Office (IV): **3-1-55**

Date reported to Nautical Chart Branch (IV): **3-7-55**

Applied to Chart No.

Date:

Date registered (IV): **25 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:

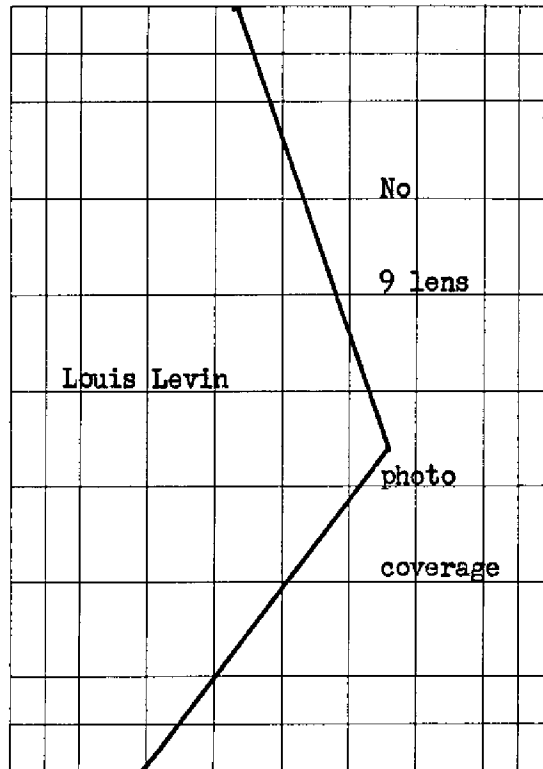
Zone:

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. N. 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):

**Delineated from photographs
taken 8 August 1950**

Projection and Grids ruled by (IV): **Austin Riley**

Date: **17 September 1953**

Projection and Grids checked by (IV): **H. Wolfe**

Date: **18 September 1953**

Control plotted by (III): **L. C. Lande**

Date: **September 1953**

Control checked by (III): **N. Schultz**

Date: **September 1953**

Radial Plot ~~by (III):~~

Date: **October 1953**

~~Control checked by (III):~~ **S. G. Blankenbaker**

Stereoscopic Instrument compilation (III):

Planimetry	}	Louis Levin
Contours		

Date:)
Date:) **June 1954**

Manuscript delineated by (III): **J. B. McDonald**

Date: **November 1954**

Photogrammetric Office Review by (III): **Orvis N. Dalbey**

Date: **15 February 1955**

Elevations on Manuscript
checked by (II) (III): **Orvis N. Dalbey**

Date: **15 February 1955**

Camera (kind or source) (III): C&GS 9-lens Model "B" - focal length = 8.25 inches

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
28385 - 388	8 August 1950	14:25	1:20,000	7.6 9.1 below MHHW

Tide (III)

Reference Station:
Subordinate Station: *Carter Spit*
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
		8.6
		10.7

Washington Office Review by (IV): *Lana J. Stevens*

Date: *27 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): *41*

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: *2*

Identified: *2*

Number of BMs searched for (II): *None*

Recovered: *None*

Identified: *None*

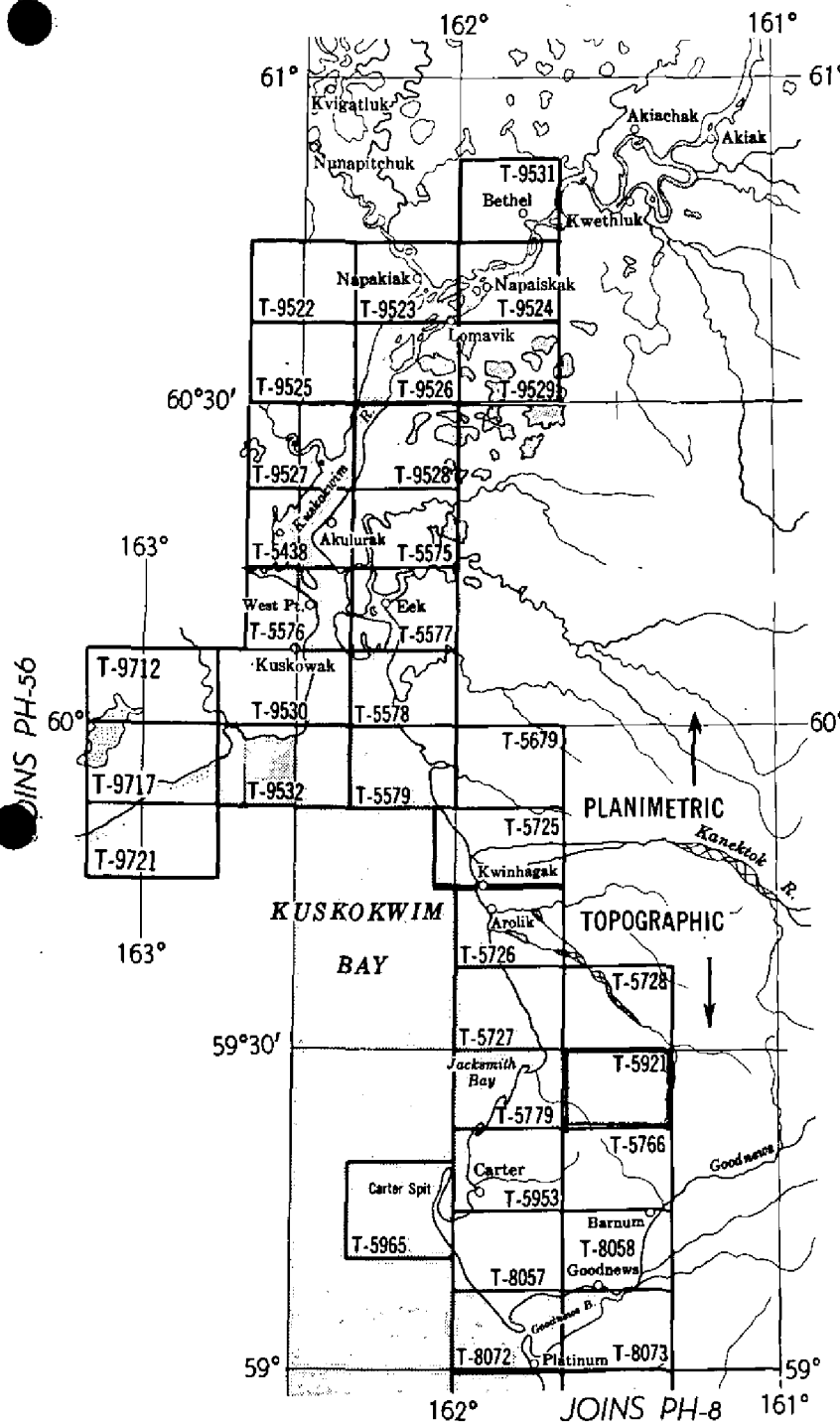
Number of Recoverable Photo Stations established (III): *None*

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		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).

PROJECT NO.	Ph-41	SCALE OF MAP	1:20,000	SCALE FACTOR	1
MAP T- 5921					

[illegible]

11 FT. = 3048006 METER
COMPUTED BY L.C. Lunde

DATE 9-14-53

CHECKED BY: N.S. Schultz

DATE 9-15-53

M-2388.12

Summary to Accompany T-5921

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 Kwinhagat ($59^{\circ} 45'$); and Ph-41(N), twenty-two planimetric maps extending from Kwinhagat to the vicinity of Bethel ($60^{\circ} 52-1/2'$).

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-5921 is an interior map which includes the eastern slope area of Figure Four and of N.E. Twin Mountains as far as Faro 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

RADIAL PLOT REPORT

21-30. One radial plot covered the entire area of this project.
The report is included in the Descriptive Report for
T-8072.

COMPILATION REPORT

31. Delineation:

The planimetry and topography were compiled on the nine-lens Reading plotter, Model "B", using rectified metal-mounted photographs.

On the southern half of the map the limit of compilation was determined by the photographic coverage. Clouds on photographs Nos. 28385 and 28386 limited the compilation on the northern part of the map.

32. Control: See Radial Plot Report.

It was necessary to further limit the compiled area of the map due to a lack of vertical control along the east side of the easternmost flight line. Although the field party established a considerable amount of control on the eastern edge of the map, only one vertical control point, Pk. 218, fell on the eastern half of the flight line. Twelve vertical control points fell outside the limits of photography.

33. Supplemental Data: None.34. Contours and Drainage:

Except for the clouds mentioned in paragraph 31, no unusual difficulty was encountered in delineating the contours and drainage. Although there was a lack of vertical control along the eastern edge of the compilation, the contours are believed to be within the required accuracy.

35. Shoreline and Alongshore Details: Not applicable.36. Offshore Details: Not applicable.37. Landmarks and Aids:

No landmarks were recommended by the field party.

38. Control for Future Surveys: Not applicable.39. Junctions:

Junctions were made with T-5728 on the north, T-5766 on the south, and T-5779 on the west. There is no large scale survey joining this map on the east.

40. Horizontal and Vertical Accuracy:

It is believed that no areas are subnormal in either horizontal or vertical accuracy.

46. Comparison with Existing Maps:

Comparison was made with 1:250,000-scale U.S. Geological Survey map "Goodnews", 1951.

47. Comparison with Nautical Charts:

There is no detail on chart 9103 within the limits of this map.

48. Geographic Names:

An alphabetical list of geographic names is included in this report.

49. Notes for the Hydrographer: Not applicable.

Approved:

Respectfully submitted:

Orvis N. Dalbey

Orvis N. Dalbey
Supervisory Cartographer

Louis Levin

Louis Levin
Cartographer

GEOGRAPHIC NAMES

Survey No. T-5921

Name on Survey	GEOGRAPHIC NAMES									
	Survey No. T-5921									
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
N.E. TWIN MOUNTAIN	(56)	ON	TS 779							1
FIGURE FOUR MOUNTAIN										2
CANYON CREEK										3
CRIPPLE CREEK										4
DOMINGO CREEK										5
FARO CREEK										6
FIGURE FOUR MOUNTAIN										7
JACKSMITH CREEK										8
LUCKY GI CREEK										9
McLEAN CREEK										10
MITLAK MOUNTAIN										11
SOUTH YOKE MOUNTAIN										12
										13
										14
										15
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										26
										27
										28

Names approved
4-27-55
A. J. W.

M 234

Names approved

4-27-55

A. J. W.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 5921

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. Orvis N. Dalbey
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
Topographic Map T-5921
27 April 1955

62. Comparison with Registered Surveys:

No previous survey covers this area.

63. Comparison with Maps of Other Agencies:

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

The two maps are in general agreement.

64. Comparison with Contemporary Hydrographic Surveys:

Not applicable. This is an interior map.

65. Comparison with Nautical Charts:

Neither 9103 or 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:

R. C. Lande
Chief, Review Section
Photogrammetry Division

May S. Kuklets
Chief, Nautical Chart Branch
Charts Division

Butler
Chief, Photogrammetry Division

W. H. Sherrill
Chief, Coastal Surveys Division

SURVEY NO. T. 5921

Record of Application to Charts



M-2168-1

