

5965

Diag. Cht. No. 9103.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. _____ Office No. T-5965

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality Carter Spit

194 9

CHIEF OF PARTY

LIBRARY & ARCHIVES

DATE MAY 12 1959

B-1870-1 (1)

DATA RECORD

T - 5965

Project No. (II): Ph-41(49)S Quadrangle Name (IV): Carter Spit

Field Office (II): Portland, Oregon

Chief of Party: A. Newton Stewart

Photogrammetric Office (III):

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): 1.0

Date received in Washington Office (IV): MAR 22 1955 Date reported to Nautical Chart Branch (IV):

MAR 31 1955

Applied to Chart No.

Date:

Date registered (IV): 4/25/58

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.

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): J.A.

Date: 19 December '51

Projection and Grids checked by (IV): Howard D. Wolfe

Date: 28 " 1951

Control plotted by (III): Lester C. Lande

Date: 14 Sept. 1953

Control checked by (III): Neil S. Schultz

Date: 15 Sept. 1953

Radial Plot or Stereoscopic Samuel D. Blankenbaker

Date: 28 Oct. 1953

Control extension by (III):

Stereoscopic Instrument compilation (III):
 Planimetry L. Levin

Date: June 1954

Contours L. Levin

Date: June 1954

Manuscript delineated by (III): John B. McDonald

Date: Feb. 1955

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

Date: 15 Feb. 1955

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

Date: 15 " 1955

SCALE FACTOR 1.00

[illegible]

1 FT. 3048008 MEYER

COMPUTED BY: Lande

DATE.....9/14/53.....

CHECKED BY: N.S.S.

DATE 9/15/53

Camera (kind or source) (III):

T-5965

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
28394-395	8 Aug. 1950	14:35	1:20,000	8.9 below MHHW
28453-56	8 Aug. 1950	15:45	"	7.7 " "

Tide (III)

Diurnal

Reference Station:

Subordinate Station: *Barter Spit*

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
		8.6
	9.0	10.7

Washington Office Review by (IV): *Lenat Stevens*

Date: *3 May 1955*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

4

Shoreline (More than 200 meters to opposite shore) (III):

10

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

5

Control Leveling - Miles (II): *none*

Number of Triangulation Stations searched for (II):

Recovered: *1*

Identified: *1*

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

Recovered: *0*

Identified: *0*

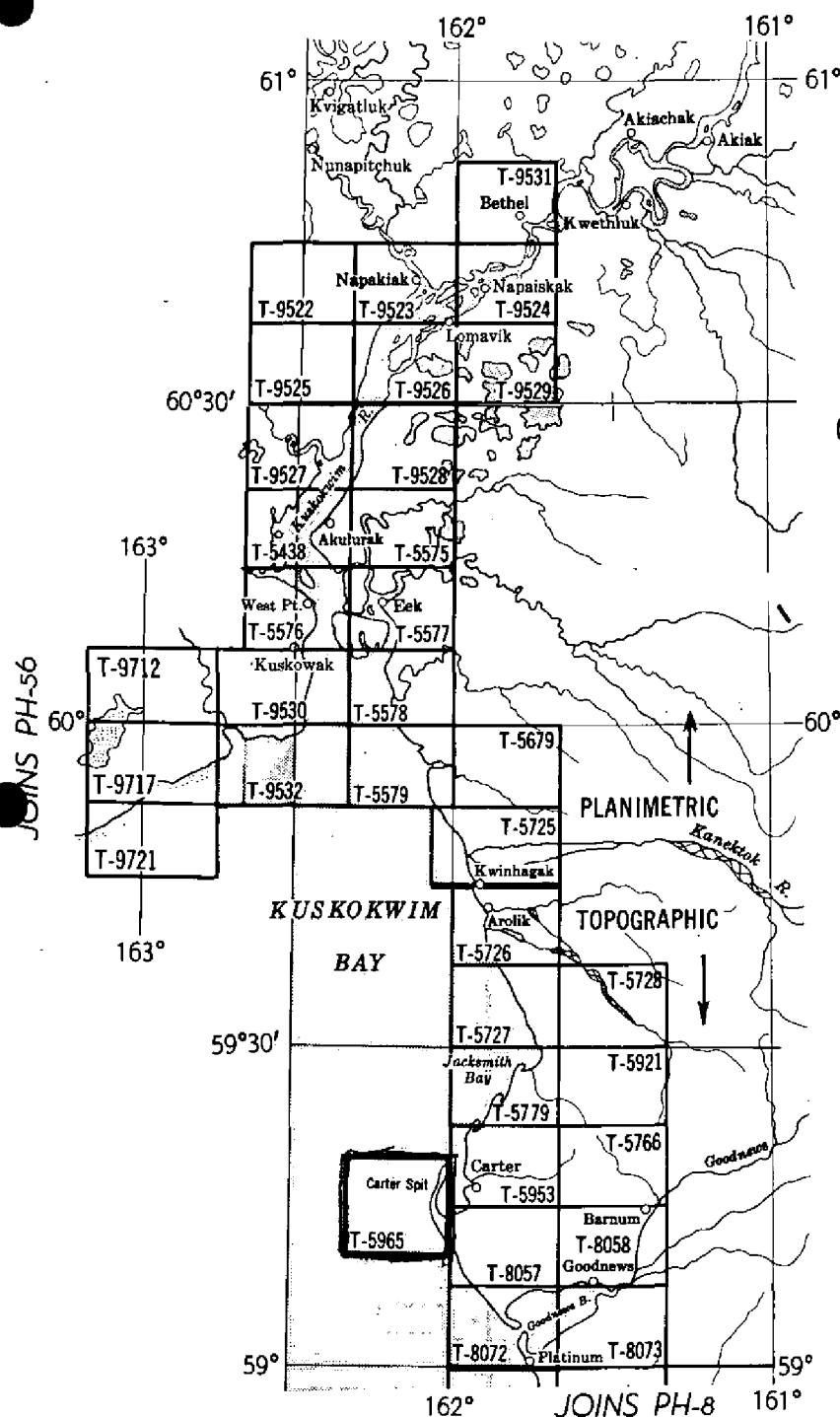
Number of Recoverable Photo Stations established (III): *2*

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		
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).

(T-5965)

FIELD INSPECTION REPORT

2 - 20: See separate report entitled:

PROJECT REPORT

AERIAL PHOTOGRAPHIC CONTROL AND INSPECTION
KUSKOKWIM BAY, ALASKA

Project Ph-41(49) May to July 1949

A. Newton Stewart, Chief of Party

*Filed in the Project Completion Report
in the Library*

Summary to Accompany T-5965

Project Ph-41(49), Kuskokwim Bay and River, has two sections: Ph-41(S) includes 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-5965 includes the west half of Carter Bay and the spit forming its western limit.

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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 delineated on the Reading nine lens plotter model "B" using rectified metal mounted photographs.

It was necessary to delineate a part of Carter Spit beyond the northern and southern neat limits. The northern end of Carter Spit has also been delineated beyond the west limit of T-5953.

32. Control:

Refer to paragraph 23 Radial plot report.

33. Supplemental Data - None available.

34. Contours: Not applicable

35. Shoreline and alongshore details:

The shoreline inspection was adequate. The HWL in most areas was clearly visible on the photographs.

Inasmuch as the office photos were taken near the time of low tide an approximate low water line was delineated.

36. Offshore details: Not applicable.

37. Landmarks and aids: No landmarks were recommended by the field party.

38. Control for future surveys: Three forms 524^{*} are being submitted. They are listed in paragraph 49.

39. Junctions: Junctions were made with T-5953 and T-8057 on the East.

40. Horizontal and vertical accuracy: It is believed that no area is below the horizontal or vertical accuracy requirements.

46. Comparison with Existing Maps: Comparison was made with 1:250,000 scale U.S.G.S. Map "Goodnews", 1951.
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: See separate page entitled "Notes to the Hydrographer".
50. Compilation Office Review: See enclosed form T-2.

Submitted by:

Louis Levin
Louis Levin, Cartographer

Forwarded by:

Orvis N. Dalbey
Orvis N. Dalbey
Cartographer, Supervisor

* 050e (2 forms 524), 1949. (Needs field check before hydro use.)

Rec'd 1949

GEOGRAPHIC NAMES

Survey No. **T-5965**

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
<u>CARTER BAY</u>									1
<u>CARTER SPIT</u>									2
<u>KUSKOKWIM BAY</u>									3
									4
									5
									6
									7
						Names approved			8
						5-3-55			9
						A. J. W.			10
									11
									12
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									27

PHOTOGRAMMETRIC OFFICE REVIEW

T. 5965

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. Ernie 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-5965
3 May 1955

61. General:

The compilation Report mentions a separate page, "Notes to Hydrographer", but no page is attached. On page 60 of the Field Inspection Report is the statement that the station Oboe should be used with caution by hydrographic parties.

62. Comparison with Registered Surveys:

T-3416 1:40,000 1913, Carter Bay and Vicinity.

This survey is superseded by T-5965 for charting purposes.

63. Comparison with Maps of Other Agencies:

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

64. Comparison with Contemporary Hydrographic Surveys:

The latest hydrographic survey is H-3550, 1913.

65. Comparison with Nautical Charts:

9103 1:200,000, 1916 corr. Oct. 1950

The chart is based on the 1913 survey. The shoreline and planimetry are superseded by T-5965.

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. Rand
Chief, Review Section
Photogrammetry Division

J. B. Bull
Chief, Photogrammetry Division
Act.

Max G. Little
Chief, Nautical Chart Branch
Charts Division

J. B. Bull
Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 5965

Record of Application to Charts

[illegible]

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.