Diagram Sheets Nos. 9103 and 9104.

Form 584

U.S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-41(49) Office No. T-9530

LOCALITY
State Alaska

General locality Kuskokwim Bay

Locality Popokamiut

1949-50

CHIEF OF PARTY
Curtis LeFever, Chief of Field Party
C.W. Clark, Portland Photo. Office

LIBRARY & ARCHIVES

DATE May 15, 1958
DATA RECORD

T - 9530

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

Field Office (II): Bethel, Alaska
Photogrammetric Office (III): Portland, Oregon
Instructions dated (II) (III): 5 April 1949 (field)
26 October 1950 (office)

Chief of Party: Curtis LeFever
Officer-in-Charge: Charles W. Clark
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): JAN 2 1952
Date reported to Nautical Chart Branch (IV):
Applied to Chart No.
Date:
Date registered (IV): 4/30/58

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

Geographic Datum (III): N.A. 1927
Vertical Datum (III): Mean Sea Level
Field position prior to office adjustment used for this
map.

Reference Station (III): See Paragraph 12 of office instructions.

Lat.: Long.: Adjusted

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 and shoreline stations by: C.H. Bishop & E.T. Ogilby  
Date: July 1949
Inland horizontal control: None
Vertical control: None

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): MaB. Elrod Date: 7/6/51

Control checked by (III): Helen Laube Date: 7/6/51

Radial Plot or Stereoscopic Control: James L. Harris and J.E. Deal Date: 8/7/51

Control extension by (III):

Stereoscopic Instrument compilation (III): Planimetry Date:
Contours Date:

Manuscript delineated by (III): Helen L. Laube Date: 11/14/51

Photogrammetric Office Review by (III): Ree H. Barron Date: 11/19/51

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

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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
<td>28271 and 28272</td>
<td>8/8/50</td>
<td>11:17</td>
<td>shore</td>
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<tr>
<td>28277 thru 28279</td>
<td>&quot;</td>
<td>11:34</td>
<td>&quot;</td>
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<tr>
<td>28302 and 28303</td>
<td>&quot;</td>
<td>12:12</td>
<td>inland</td>
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Tide (III)

Reference Station: Matarani, Peru
Subordinate Station: Popokamiut, Alaska
Subordinate Station:
Washington Office Review by (IV):
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

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<td>2.1</td>
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Date: 28 Jan. 1967

Land Area (Sq. Statute Miles) (III): 81.4
Shoreline (More than 200 meters to opposite shore) (III): 13.3
Shoreline (Less than 200 meters to opposite shore) (III): 27.6
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1
Number of BMs searched for (II): 1
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III):

Remarks:
PLANIMETRIC AND TOPOGRAPHIC MAPPING PROJECT PH-41
ALASKA-BERING SEA, Kuskokwim Bay to Goodnews Bay

OFFICIAL MILEAGE FOR COST ACCOUNTS

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PLANIMETRIC MAPS: Maps T-5438, T-5575 to T-5579, T-5725, T-9522 to T-9532, T-9712, T-9717 and T-9721.

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-9530

Project Ph-41(49), Kuskokwim Bay and River, has two sections: Ph-41(S) consists of twelve topographic maps extending from Platinum (59°00'') to Kwinhagak (59°45''), and Ph-41(N), twenty-two planimetric maps extending from Kwinhagak to the vicinity of Bethel (60°52½'').

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 and was a continuation of the Bristol Bay project (Ph-6(46)).

T-9530 includes the west bank of the Kuskokwim River at its mouth. Reference station Popocamiuto is located in this map area.

After the maps for the project have been reviewed 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 instructions.

A cloth-backed copy of each map at manuscript scale and the descriptive report will be registered and filed in the Bureau Archives.
FIELD INSPECTION REPORT
Map Manuscript No. T-9530
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

Filed with completion Report
in the Library
PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-9530
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-9530
Project Ph-41(49) North

Side headings 31 to 37 incl., 39, 40, and 46 of the compilation report for T-5438 are applicable.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted for the following recoverable topographic stations:

DOME TAPE

There are no photo hydro stations in the area of this map manuscript.

The recoverable topographic stations are listed under side heading 49: "NOTES TO THE HYDROGRAPHER".

47: COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Nautical Chart No. 9103, Sept. 1916, (2nd edition) last printed 10/30/50, Scale 1:200,000.

A visual comparison was made with Nautical Chart No. 9104, Oct. 1918 (3rd edition) last printed 12/27/48, Scale 1:100,000.

The planimetric details common to the map manuscripts and charts are in general disagreement.

Items to be applied to nautical charts immediately:

None

Items to be carried forward:

None

Approved:

Respectfully submitted:

Charles W. Clark
Officer-in-Charge

J. Edward Deal, Jr.
Cartographer
Alaska

Kuskokwim River

Popokamiut (Fishing Camp) (according to various names report there is only 1 building left at this site, used only as an occasional fishing camp)

Lashkowik River this is the preferred name, according to the final report by Commander Stewart.

It is not believed that the name West Channel should be shown on this map, since it is poorly defined.

Names approved 1-28-57.

L. Heck
49: NOTES FOR THE HYDROGRAPHER:

T-9530

Recoverable topographic stations falling in the area of Map Manuscript No. T-9530 are as follows:

DOME, 1949
TAPE, 1949
PHOTOGRAMMETRIC OFFICE REVIEW
T-9530

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. Planetary 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. Reviewer  
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
61. General

The control used in laying the radial plot, of which this map is a part, had received field computations only. The map which adjoins on the west (T-9712) was based on control which had received final computations, so that there is some difference in the projection datums.

62. Comparison with Registered Surveys

There are no prior surveys in this area.

63. Comparison with Maps of other Agencies

U.S.G.S Baird Inlet, 1:250,000, Ed.1951, Reconn.

T-9530 was used in compiling with quadrangle's shoreline and interior. Off shore mud flats are not in exact agreement, and the trail along shore on the quadrangle is not on T-9530.

64. Comparison with Contemporary Hydrographic Surveys

The latest hydrographic surveys were made in 1944 and 1916. No comparison was made.

65. Comparison with Nautical Charts


This chart has only a generalized shoreline and no interior detail.

66. Accuracy

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

Reviewed by

K. A. Mcken

for Lena T. Stevens

Approved

Chief, Review Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry
Division

Chief, Coastal Survey Division