Descriptive Report

Type of Survey: Planimetric

Field No.: Ph-41(49) Office No.: T-9531

Locality

Territory: Alaska
General Locality: Kuskokwim River
Locality: Bethel

1949

Chief of Party
Curtis LeFevre, Chief of Party
Fred Natella, Portland Photogrammetric Office

Library & Archives
Date: May 15, 1958
DATA RECORD

T-9531

Project No. (II): 6041 Quadrangle Name (IV):
Ph-41(49)North

Field Office (II): Bethel, Alaska Chief of Party: Curtis LeFevre

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Charles W. Clark
Fred Natella

Instructions dated (II) (III): 5 April 1949 (Field)
22 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): JAN 26 1956 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

Mean sea level except as follows:

Elevations shown as (2) 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): Refer to paragraph 12 of Office Instructions

Lat.: Long.: Adjusted

Unadjusted

Plane Coordinates (IV):

Y =

X =

State:

Zone:

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)
Field Inspection by (II): C. H. Bishop & E. T. Ogilby  

Date: Season 1949

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Located in 1949 on field inspection photographs taken in 1945, on tri-metrogon photographs and K-20 hand held camera photographs.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): H. Atkins  

Date: August 1951

Control checked by (III): J. L. Harris  

Date: August 1951

Radial Plot or Stereoscopic
Control extension by (III): J. L. Harris  

Date: Sept. 18, 1951

Stereoscopic Instrument compilation (III):

Planimetry

Contours

Date:

Manuscript delineated by (III): R. H. Barron  

Date: Oct. 24, 1951

Photogrammetric Office Review by (III): J. L. Harris  

Date: Sept. 17, 1951

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

Date:
Camera (kind or source) (III): C.& G.S. - 9 lens - Focal length 8.25 inches

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>28322 to 28324</td>
<td>8/8/50</td>
<td>12:35</td>
<td>1:20,000</td>
<td>2.5 ft. above M.L.L.W.</td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Matarani, Peru
Subordinate Station: Bethel, Alaska

Washington Office Review by (IV): [Signature]
Date: 23 Jan. 1957

Final Drafting by (IV): [Signature]
Date:

Drafting verified for reproduction by (IV): [Signature]
Date:

Proof Edit by (IV): [Signature]
Date:

Land Area (Sq. Statute Miles) (III): 100
Shoreline (More than 200 meters to opposite shore) (III): 18.9 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 15.8 statute miles
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 10 Recovered: 8 Identified:
Number of BMs searched for (II): [Data]
Number of Recoverable Photo Stations established (III): 2 *
Number of Temporary Photo Hydro Stations established (III): 3

Remarks:
* The Forms 524 for these two stations were not returned to this office namely ROAD, 1949 and RACK, 1949. See Descriptive Report for further explanation.
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-9531

Project Ph-41(h9), 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-8-46).

T-9531 maps the Kuskukwim River in the vicinity of Bethel.

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 T-9531

Project 6041

Refer to: "PROJECT REPORT, KUSKOKWIM BAY & RIVER"
Project Ph-41(49) North, June, July 1949
Curtis LeFevre, Chief of Party

Filed with Completion Report in the Library
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-9531

Project 6041

Refer to: PHOTOGRAMMETRIC PLOT REPORT for T-9522 thru T-9529 and T-9531 which is included in the Descriptive Report for T-9522 thru T-9529.
COMPILATION REPORT
Map Manuscript T-9531
Project 6041
2 4070

Items 31 thru 36 of the Compilation Report for T-9522 thru T-9529 are applicable.

37. LANDMARKS AND AIDS:

Forms 567 are submitted for Aeronautical Aids which are all indicated by the field party as triangulation stations as follows:

STACK - Stack on Indian Service Hospital at Bethel (on shore side)
S.E. of
prop.
limited

RADIO TOWERS - Skeleton steel towers approximately 250 feet high painted alternately red and white.

AIRWAY BEACON - Revolving light on skeleton steel tower

The positions of the latter two were not available at the compilation office and were not entered on the Form 567.

38. CONTROL FOR FUTURE SURVEYS:

There are two recoverable topographic stations shown on the manuscript for which the Compilation Office does not have Forms 524 or descriptions. Evidently they were not returned to the Compilation Office after the data for this project was forwarded to the U.S. Army at San Francisco, California. They are:

ROAD, 1949 (recoverable cultural feature)

Lat. 60° 47' 984 meters
Long. 161° 45' 159 meters

RACK, 1949 (marked station)

Lat. 60° 45' 1291 meters
Long. 161° 43' 512 meters

It is requested that if Forms 524 for these stations are on file in the Washington Office that the above positions be entered thereon.

These along with 3 photo-hydro stations are listed in paragraph 49 "Notes to the Hydrographer".

Items 39 and 40 of the Compilation Report for T-9522 thru
T-9529 are applicable.

41. **VERTICAL CONTROL:**

There were no vertical control stations located within the limits of this manuscript.

Items 46 and 47 of the Compilation Report for T-9522 thru T-9529 are applicable.

Approved:  

Fred Natella  
Comdr., C&G Survey

Respectfully submitted: 

J. Edward Deal  
Cartographer
T–9531 Geographic Names

Alaska

Kuskokwim River

Bethel

Bethel C A A Airfield

Tupukruk Slough

Names approved 1–24–57.

L. Heck
49. Notes to the Hydrographer:

Please refer to remarks in the Compilation Report Item 38 relative to recoverable topographic stations ROAD, 1949 and RACK, 1949.

Photo-hydro stations shown on the manuscript are as follows:

No. 137 - Photo No. 13-L-39 - South gable of Northern Commercial Co. Store. Egd. is green with white trim "Northern Commercial Company".

No. 138 " " " South gable of a large unpainted theatre in Bethel. Galvanized iron roof, Egd. is long north and south, just west of Bethel store.

No. 139 " " " S.W. gable of small unpainted Eskimo house with stove-pipe chimney on S.E. side and small shed over door on the S.W. end.
61. Control:

The seven triangulation, three topographic, and three hydrographic stations in this map area are listed in CDR LeFever's project report for Ph-48 S rather than Ph-41 N because the initial project layout he had did not go beyond 60°45'.

Road and Roof are recoverable objects only. Rack is a marked topographic station.

62. Comparison with Registered Surveys:

There are no prior surveys for this area.

63. Comparison with Maps of other Agencies:

USGS Bethel, 1:250,000, ed. 1950, Recon.

Because of the small scale of the quadrangle only general agreement is possible.

64. Comparison with Contemporary Hydrographic Surveys:

The latest hydrographic surveys were made in 1914 and 1915. No comparison was made.

65. Comparison with Nautical Charts:

9104

This chart is obsolete and has been withdrawn from circulation.

66. Accuracy:

This map complies with project instructions and meets charting needs.

Reviewed by

Lena T. Stevens