<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No. T-2256</td>
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**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Alaska</th>
</tr>
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<tbody>
<tr>
<td>General locality</td>
<td>Huskevak Peninsula</td>
</tr>
<tr>
<td>Locality</td>
<td>Yuklung</td>
</tr>
</tbody>
</table>

**CHIEF OF PARTY**

K. Newton Stewart, Chief of Field Party  
Charles W. Clark, Chief of Plot Office

**DATE** December 23, 1954
DATA RECORD

T-9056

Project No. (II): Ph-8(46)B  Quadrangle Name (IV): NUSHAGA-TUKLING RIVERS

Field Office (II): Nushagak Peninsula, Alaska  Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Portland, Oregon (Ph-8(46)B)  Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III):

4 February 1949 (Radial Plots)  21 April 1948 (Field)

Method of Compilation (III): Reading Plotter

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

Scale Factor (III): 1:1

Date received in Washington Office (IV): 7-25-50  Date reported to Nautical Chart Branch (IV): 7-26-50

Applied to Chart No.  

Date:  

Date registered (IV):  

Publication Scale (IV):  

Publication date (IV):  

Geographic Datum (III): N.A. 1927 (unadjusted)

The difference between Unadjusted Datum and N.A. 1927 Datum is Lat. plus/minus 2.0 m. and Long. plus/minus 3.0 m.

Vertical Datum (III): Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):

Lat.:  

Long.:  

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)
(\(\forall\)) (III)

100\% by
Clarence E. Wisfeldt
and
Louis Levin
DATA RECORD

Field Inspection by (II): A. Newton Stewart  
Date: Season 1947

Planetary contouring by (II): None  
Date:

Completion Surveys by (II): None  
Date:

Mean High Water Location (III) (State date and method of location): The shoreline is dated 1947 since it was delineated from 1947 photographs; no field inspection was accomplished.

Projection and Grids ruled by (IV): Ruling Machine  
Date: 21 July 1948

Projection and Grids checked by (IV): Wheatley E. Ward  
Date: 21 July 1948

Control plotted by (III): Frank H. Elrod (Portland)  
Date: 1 April 1949

Control checked by (III): James L. Harris (Portland)  
Date: 1 April 1949

Radial Plot and Stereoscopic Control extension by (III): James L. Harris and J. E. Deal (Portland)  
Date: 15 July 1949

Stereoscopic Instrument Compilation (III): Planimetry and Contours  
Date: 14 June 1950

Compilation Manuscript delineated by (III): Louis Levin  
Date: 21 June 1950

Photogrammetric Office Review by (III): Orvis N. Dalbey  
Date: 30 June 1950

Elevations on Manuscript checked by (II) (III): Louis J. Reed  
Date: 12 July 1950

<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>18032 &amp; 18033</td>
<td>10-12-46</td>
<td>11:31</td>
<td>1:20,000</td>
<td>8.0 ft. above M.L.W</td>
</tr>
<tr>
<td>18066 &amp; 18067</td>
<td>10-12-46</td>
<td>12:01</td>
<td>1:20,000</td>
<td>9.5 ft.</td>
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<tr>
<td>20406 to 20409 Incl. 8-23-47</td>
<td>11:03</td>
<td>1:20,000</td>
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<tr>
<td>23380 to 23383 Incl. 9-2-48</td>
<td>10:30</td>
<td>1:20,000</td>
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<td></td>
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</tbody>
</table>

See remarks below

Tide (III)

<table>
<thead>
<tr>
<th>Reference Station:</th>
<th>Mushagak Bay (Clark Point)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Station:</td>
<td></td>
</tr>
<tr>
<td>Subordinate Station:</td>
<td></td>
</tr>
</tbody>
</table>

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 100 square miles
Shoreline (More than 200 meters to opposite shore) (III): 80 miles
Shoreline (Less than 200 meters to opposite shore) (III): 35 miles
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): Recovered: Identified:
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None
Remarks: The stage of tide given under "Photographs" is only approximate since there is not sufficient tidal data available to the compilation office to accurately determine the predicted tide in this area.
Ph-8(46) covers the north shore of Bristol Bay in Alaska and extends from the Egegik River and Kvichak Bay on the east and to Cape Newenham on the west.

It is divided into three parts as follows:

Ph-8(46) A, planimetric, includes 23 maps in the general area of Kvichak Bay and extends from Egegik Bay to Nushagak Bay.

Ph-8(46) B, shoreline, is composed of two shoreline maps on the Egegik River between Egegik Bay and Lake Becharof.

Ph-8(46) C, topographic, includes 45 topographic maps which cover the area from Nushagak Peninsula westward to Cape Newenham and north to Goodnews Bay. It covers offshore islands to include Hagemeister and the Walrus Islands.

Advance copies of the map manuscripts prior to contouring were supplied as base sheets for hydrographic surveys in progress in the Nushagak Bay area.

Topographic map T-9056 falls almost entirely on the west side of Igushik River and includes the junctions with the Tunuing and Tuklung rivers, and the village of Tuklung.

The shoreline and interior drainage were compiled by graphic methods. The contours and spot elevations were plotted with the Reading Plotter from nine-lens photographs taken in August 1947 and September 1948. The vertical control was established by photo-trig, non-reciprocal vertical angle methods. Horizontal control was bridged by a nine-lens radial plot laid on perimeter control on adjoining quadrangles.

The map manuscript consists of one sheet, 7.5 minutes in latitude, and 20 minutes in longitude at a scale of 1:20,000 and with a 50 foot contour interval. A cloth-backed lithographic print of the map at compilation scale will be registered with the Descriptive Report in the Bureau Archives. This map will not be published by the Bureau.
FIELD INSPECTION REPORT

2-20:

PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
BRISTOL BAY, ALASKA
PROJECT Ph-8(48) May to September 1947
A. Newton Stewart Chief of Party

Refer to the above report for any information that would be covered in Side Readings 2 to 20 if the field inspection report has been written in accordance with the instructions in the Topographic Manual.
PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-9056
Project Ph-8(46)B

Side Headings 21 to 27 inclusive:

Refer to the Photogrammetric Plot Report, for "Radial Plot No. 2, Project Ph-8(46)B" Pages 8 to 22 inclusive of the Descriptive Report for T-9039 and to the Appendix of this Photogrammetric Plot Report, which is included as Page 23, of the above Descriptive Report.

Approved:  
Charles W. Clark  
Chief of Party

Respectfully submitted:  
J. Edward Deal, Jr.  
Cartographer
COMPILATION REPORT
Washington Office

31. **Delineation:**

Contours and cultural features were delineated simultaneously on the Reading Plotter, Model "A". Photo coverage was complete. No field inspection was available.

32. **Control:**

Reference sideheading No. 23 of the Radial Plot Report included in the Descriptive Report for quadrangle T-9039.

33. **Supplemental Data:**

a. Plotting instrument photographs:
   - 20407 thru 20409
   - 23379 " 23381
   - 23383 " 23386
b. Field inspection photographs: None
c. Graphic control surveys:
   - T-3085, Mountain Peaks Northwest of Nushagak Bay, 1:100,000, 1909

34. **Contours and Drainage:**

The quality of the photographic detail was satisfactory for contour delineation. However, photographs 20407 thru 20409 were not of the best photographic quality.

35. **Shoreline and Alongshore Details:**

Mud flats have been located during instrument delineation. They are believed to bare at low water and are considered approximate.

36. **Offshore Details:** None

37. **Landmarks and Aids:**

The season's reports of the PATHFINDER for 1947, 1948, and 1949, were examined and no reference to landmarks or aids could be found. Make reference for any to project report by A. N. Stewart, 1947, entitled, "Aerial Photograph Control and Inspection, Bristol Bay, Alaska".

Lib. No. 138 (1947)
38. Control for Future Surveys: None

39. Junctions:

Details on this manuscript, both planimetric and topographic, are matched satisfactorily with adjoining quads, T-9046 to the north, T-9057 to the east, and T-9064 to the south. To date no quadrangle has been compiled to the west (T-9055). Also T-9055. Wt. 04.

40. Horizontal and Vertical Accuracy: Standard

46. Comparison with Existing Maps:


47. Comparison with Nautical Charts:

No. 9050, 1:150,000, 23 June 1946
No. 8802, 1:1,023,188; 7 November 1947
No. 9052 | 1:100,000 | 4 April 1950

48. Geographic Name List: See separate page attached.

49. Notes for the Hydrographer: None


Submitted:

Orvis N. Dalbey
Cartographer - Photogrammetric

Approved and forwarded:

Louis J. Reed, Chief,
Stereoscopic Mapping Section
PHOTOGRAMMETRIC OFFICE REVIEW

T-9056

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-2972-12
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
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<td></td>
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<td></td>
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<td>Nushagak Peninsula</td>
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<tr>
<td>10-9-61 L. Heck</td>
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</tbody>
</table>
62. Comparison with Registered Topographic Surveys.

T-3085  1:100,000  1909

The map manuscript supersedes this survey for nautical charting purposes.

63. Comparison with Maps of other Agencies.

Nushagak Bay, Alaska, 1:250,000  1943, USGS
T-9056 supersedes this map in all respects.

64. Comparison with Contemporary Hydrographic Surveys.

None

65. Comparison with Nautical Charts.

See paragraph 47, page 11

The map can now be applied to the chart to show more detail in the marsh and the drainage pattern, the foreshore areas, and interior features.

66. Adequacy of Results and Future Surveys.

No field inspection was available to serve as a basis for the interpretation of interior and shoreline details. Marsh limits and the shoreline were determined entirely by stereoscopic inspection and office interpretation.

The limits of the mud flats in the foreshore areas and inside meanders of the rivers are shown as they appear on the 1947 photographs which were taken at about 1/3 tide.

It is doubtful whether this map complies with the National Map Accuracy Standards, but it is presumed that the horizontal error in position of planimetry does not exceed 1.0 mm. at compilation scale and that the vertical accuracy is accurate to 1 contour interval and better.

Reviewed by:

Rescoe J. French

Approved:

Chief, Review Section  7/27/54

Chief, Div. of Photogrammetry  12/19/52

Chief, Div. of Photogrammetry  12/10/52

Chief, Div. of Charts

Chief, Div. of Coastal Surveys
HORIZONTAL DATUM ADJUSTMENT

Bristol Bay, Alaska

The subject maps were radial plotted on unadjusted (Field) datum which was subsequently adjusted to the North American 1927 datum by the Division of Geodesy. The datum correction has been computed for each sheet, and stamped into the Descriptive Report on page 1, and on the manuscripts and registered cloth-backed copies near the title block. However, as the title block of each clothback sheet contains the note, "1927 North American Datum", it was necessary to stamp the word, "(Unadjusted)" beside this datum note in the title block of each sheet.

See the special report, Horizontal Control Datum, Ph-8(46), Ph-8A(46), and Ph-8B(46), filed with the Completion Report for the project for details and lists of the maps, reports, and registration copies marked with this adjustment. The following is a list of the maps in the projects:

**Ph-8(46), TOPOGRAPHIC**

- T-9038 thru T-9040
- 9041 thru 9047
- 9051 thru 9057
- 9061 thru 9065, 9070
- 9071 thru 9074, 9075
- 9227 thru 9253

**Ph-8A(46), PLANIMETRIC**

- T-9041 thru T-9043
- 9048 thru 9053
- 9058 thru 9063
- 9066 thru 9069
- 9072 thru 9073
- 9076 thru 9078

**Ph-8B(46), SHORELINE**

- T-8873 (E&W) and T-8874