**U. S. COAST AND GEODETIC SURVEY**  
**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td></td>
</tr>
<tr>
<td>Office No.</td>
<td>T-9038</td>
</tr>
</tbody>
</table>

**LOCALITY**

State: **Alaska**  
General locality: **Bristol Bay**  
Locality: **UALIK LAKE**

**1947**

**CHIEF OF PARTY**

A. Newton Stewart, Chief of Field Party  
Charles W. Clark, Chief Portland Photo Office  
Div. of Photogrammetry, Washington, D.C.

**LIBRARY & ARCHIVES**

DATE: **FEB 4, 1955**
DATA RECORD

T-9038

Project No. (II): Ph-8B(46) Quadrangle Name (IV): UALIK LAKE

Field Office (II): Bristol Bay, Alaska Chief of Party: A. Newton Stewart
Photogrammetric Office (III): Portland, Oregon Compilation = Charles W. Clark
Office in Charge = Louis J. Reed, Chief
Instructions dated (II) (III):

(II) = 25 Apr 47 and 21 Apr 48
(III) = 19 Mar 48 and 4 Feb 49

Copy filed in Division of
Photogrammetry (IV)

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): APR 29, 1952
Date reported to Nautical Chart Branch (IV): MAY 2, 1952

Applied to Chart No. Date: Date registered (IV): 7 Jan, 1955

Publication Scale (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (26) 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): NA 1927 Datum is Lat. plus 7 m.
and Long. minus 6 m.

Lat.: Long.:

Plane Coordinates (IV):

Y =

X =

Military Grid = none
Other Grids = none

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)

100% compiled on the Reading Plotter, model A, by Clarence E. Misfeldt
DATA RECORD

Field Inspection by (II): A. Newton Stewart Date: 1947-8

Planetable contouring by (II): None Date:

Completion Surveys by (II): None Date:

Mean High Water Location (III) (State date and method of location):

There is no MHWL on this quad. (interior)

Projection and Grids ruled by (IV): Theodore L. Janson on the Reading Ruling Machine Date: 19 Oct 50

Projection and Grids checked by (IV): Harland R. Cravat Date: 20 Nov 50

Control plotted by (III): Ceita C. Wiebe Date: 27 Dec 50

Control checked by (III): Marie B. Elrod Date: 27 Dec 50

Radial Plot and Construction:

James L. Harris & Roy A. Davidson Date: 4 Jun 51

Delineation by: clarence E. Misfeldt Date: 8 Apr 52

Compiled by: Henri Lucas Date: 18 Apr 52

Photogrammetric Office Review by (II): Louis J. Reed Date: 24 Apr 52

Elevations on Manuscript checked by (II): Louis J. Reed Date: 24 Apr 52
### Photographs

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<th>Number</th>
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<th>Stage of Tide</th>
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**Photograph Ratio of Ranges**

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<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tr>
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<td>10</td>
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</table>

**Reference Station:**
- No Shoreline

**Subordinate Station:**
- None

**Original Survey:**
- B.J. Cooner

**Date:**
- 3/5/53

**Final Drafting by:**
- M.J. Day

**Date:**
- 7/27/54

**Drafting verified for reproduction by:**
- W.O. Halle

**Date:**
- 7-28-54

**Land Area (Sq. Statute Miles) (III):** 36 sq mi

**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: none
- Identified: none

**Number of BMs searched for (II):**
- Recovered: none
- Identified: none

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

**Number of Temporary Photo Hydro Stations established (III):** none

**Remarks:**
- none
Summary to Accompany T-9038

Ph¬8(46) covers the north shore of Bristol Bay in Alaska and runs from the Egegik River and Kvichak Bay on the East to Cape Newenham on the West.

It is divided into three parts as follows:

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

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

Ph¬8(46) includes 44 topographic maps covering the area from Nushagak Peninsula westward to Cape Newenham and north to Goodnews Bay. It includes offshore islands such as Hagemeister and the Walrus Islands.

T-9038 falls in the north central portion of the project and contains Ualik Lake.

The map manuscript consists of one sheet, 7±-minutes in latitude and 20 minutes in longitude, at a scale of 1:20,000, with a contour interval of 50 feet. A cloth-backed lithographic print of the map at the compilation scale will be registered with the Descriptive Report in The Bureau Archives. This map will not be published.
FIELD INSPECTION REPORT

2-20: See two separate reports entitled:

a.
PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
BRISTOL BAY, ALASKA
Project Ph-8(46) May to July 1946
A. Newton Stewart, Chief of Party

b.
PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
BRISTOL BAY, ALASKA
Project Ph-8(46) May to Sep 1947
A. Newton Stewart, Chief of Party

Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer
RADIAL PLOT REPORT

20-30:

See descriptive report to accompany map manuscript T-9237. It includes, beginning on page 8, the radial plot report covering the area of this quad, plus the area of several others, the total area of which was controlled by a single radial plot.

Also, see descriptive report to accompany manuscript T-9039 which covers the area to the east of this quad, and to which a junction was attempted when laying the later plot described in T-9237.
31: Delineation:

Contours and cultural features were delineated simultaneously on the Reading Plotter, model "A". Photo coverage was not complete; the flight strips were extended from the quad to the south only a couple pictures into the area of this quad, and east-west flights in the area were not usable. Field inspection was lacking for the same reason; lack of photo coverage. Delineation is not complete, only a narrow band along the south and east sides having been completed.

32: Control:

There are no points of horizontal control within the limits of this sheet, and only a very few points of elevation. What compilation has been completed is all on extended control as established by the two radial plots mentioned in para. 31 above, and therefore it is not very reliable, especially since neither plot had sufficient control for normal strength, and they did not junction well.

33. Supplemental Data:

a. Graphic Control: None.

c. Hydrographic Control Surveys: None.

d. Vertical Angle Computation Brochure:


34. Contours and Drainage:

The few photos that were used in this delineation were of satisfactory quality for this purpose. The normal practice used throughout this project, using a 50ft contour interval, was employed on the area of this quad also, but because the area is all based on extended control, and because the two radial plots joined here with a poor junction, and because the established vertical control was not adequate, the contouring that was accomplished is considered questionable in its entirety.

35. Shoreline and Alongshore Details:

Not applicable since no shoreline falls within the limits of this quad.

The Radial Plot Report is bound with Descriptive Report T-9237
36. Offshore Details: Not applicable - no shoreline.

37. Landmarks and Aids:
   No aids exist and no landmarks were recommended.

38. Control for Future Surveys:
   No topo or hydro stations are located on this quad.

39. Junctions:
   Both existing junctions are in disagreement; T-9039 to the east and T-9045 to the south. No quads exist to the west or north.

40. Horizontal and Vertical accuracy:
   This compilation is not expected to meet map accuracy standards in either respect because of the lack of sufficient control of both types, even though the portion of the map completed has been done at a scale of 1:20,000, and assuming a 50ft contour interval.

46. Comparison with Existing Maps: None exist.

47. Comparison with Nautical Charts: None exist.

48. Geographic Name List:
   Only one name was furnished—"UALIK LAKE".

49. Notes for the Hydrographer: None.


Submitted by:

[Signature]
Orvis N. Dalbey
Cartographer-Photogrammetric

Approved and Forwarded by:

[Signature]
Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer
PHOTOGRAMMETRIC OFFICE REVIEW
T-9038

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. Farms [ ]

40. [ ]

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 [ ]

Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer

M-2423-12
<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>
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62. Comparison with Registered Topographic Surveys. None
63. Comparison with Maps of Other Agencies. None
64. Comparison with Contemporary Hydrographic Surveys. None
65. Comparison with Nautical Charts. None
66. Adequacy of Results and Future Surveys. See item 40

Reviewed by:

E. J. Golner

APPROVED:

L. C. Keene 10 Jan 1954
Chief, Review Section
Div. of Photogrammetry

Earl C. Louisiana 93
Chief, Div. of Coastal Surveys

Horizontial and Vertical Accuracy

The accuracy tests were made and no information is available to determine the absolute accuracy of this map. It is accepted as of sufficient accuracy for nautical charting of certain detail (contours and drainage) but probably does not meet national standards for the scale and contour interval. By Jones 1/21/55.