

9038

ORIGINAL

Diag. Cht. No. 8802.

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. \_\_\_\_\_ Office No. T-9038

LOCALITY

State Alaska

General locality Bristol Bay

Locality UALIK LAKE

1947

<sup>CHIEF OF PARTY</sup>  
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

B-1870-1 (1)

8802

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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      Radial Plot = Charles W. Clark  
Washington, D.C.      Officer-in-Charge.      Compilation = Louis J. Reed, Chief,

Instructions dated (II) (III):      Copy filed in Division of Stereogram Section  
Photogrammetry (IV)

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

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):      Publication date (IV):

Geographic Datum (III): NA 1927 (unadjusted)      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): The difference between Unadjusted Datum and N.A. 1927 Datum is Lat. plus/minus 7 m. and Long. minus 8 m.

Lat.: present      Long.: A.L.      ~~Adjusted~~  ~~Unadjusted~~

Plane Coordinates (IV):      State:      Zone:

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)  
# (III)

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** Date: **19 Oct 50**  
**Reading Ruling Machine**

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 of ~~Stereoscopic~~ **James L. Harris & Roy A. Davidson** Date: **4 Jun 51**  
~~Control extension~~ by (III):

~~XXXXXXXX~~ **delineation by:** Planimetry Date:  
Stereoscopic Instrument compilation (III): **& Clarence E. Misfeldt** **8 Apr 52**  
~~XXXXXXXX~~ Contours Date:

~~XXXXXXXX~~ **compiled**  
Manuscript delineated by (III): **Henri Lucas** Date: **18 Apr 52**

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

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

Camera (kind or source) (III): **USC & GS 9-lens model B, f=8.25 inches**

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
18037	12 Oct 46	11:38	20,000	
18038	"	11:39	"	
18039	"	11:40	"	
18073	"	12:41	"	
18115	"	14:18	"	None
20411	23 Aug 47	11:05	"	
20413	"	11:07	"	
28663	13 Aug 50	clock	"	
28664	"	stopped	"	

Reference Station: No shoreline  
 Subordinate Station:  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6	

Washington Office Review by (IV): B. J. COLNER

Date: 3/13/53

Final Drafting by (IV): MJ Day

Date: 7/27/54

Drafting verified for reproduction by (IV): W.O. Halluin

Date: 7-28-54

Proof Edit by (IV):

Date:

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:

Identified: none

Number of BMs searched for (II):

Recovered:

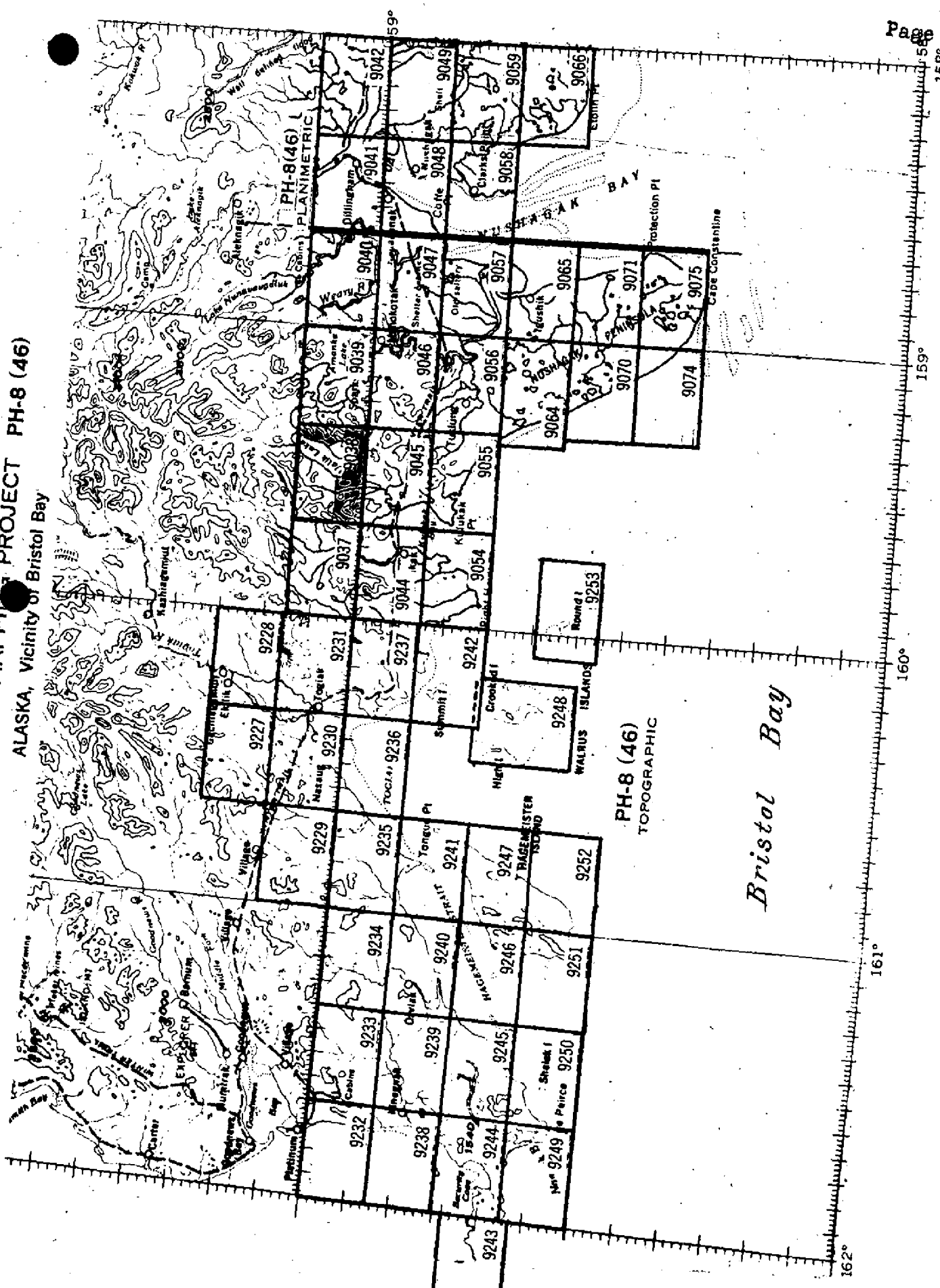
Identified: none

Number of Recoverable Photo Stations established (III): none

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

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH-8 (46)  
 ALASKA, Vicinity of Bristol Bay



PH-8 (46)  
 TOPOGRAPHIC

*Bristol Bay*

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,  $7\frac{1}{2}$ -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 1948

A. Newton Stewart, Chief of Party

*Library No 172*

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

*Library No 138*

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.

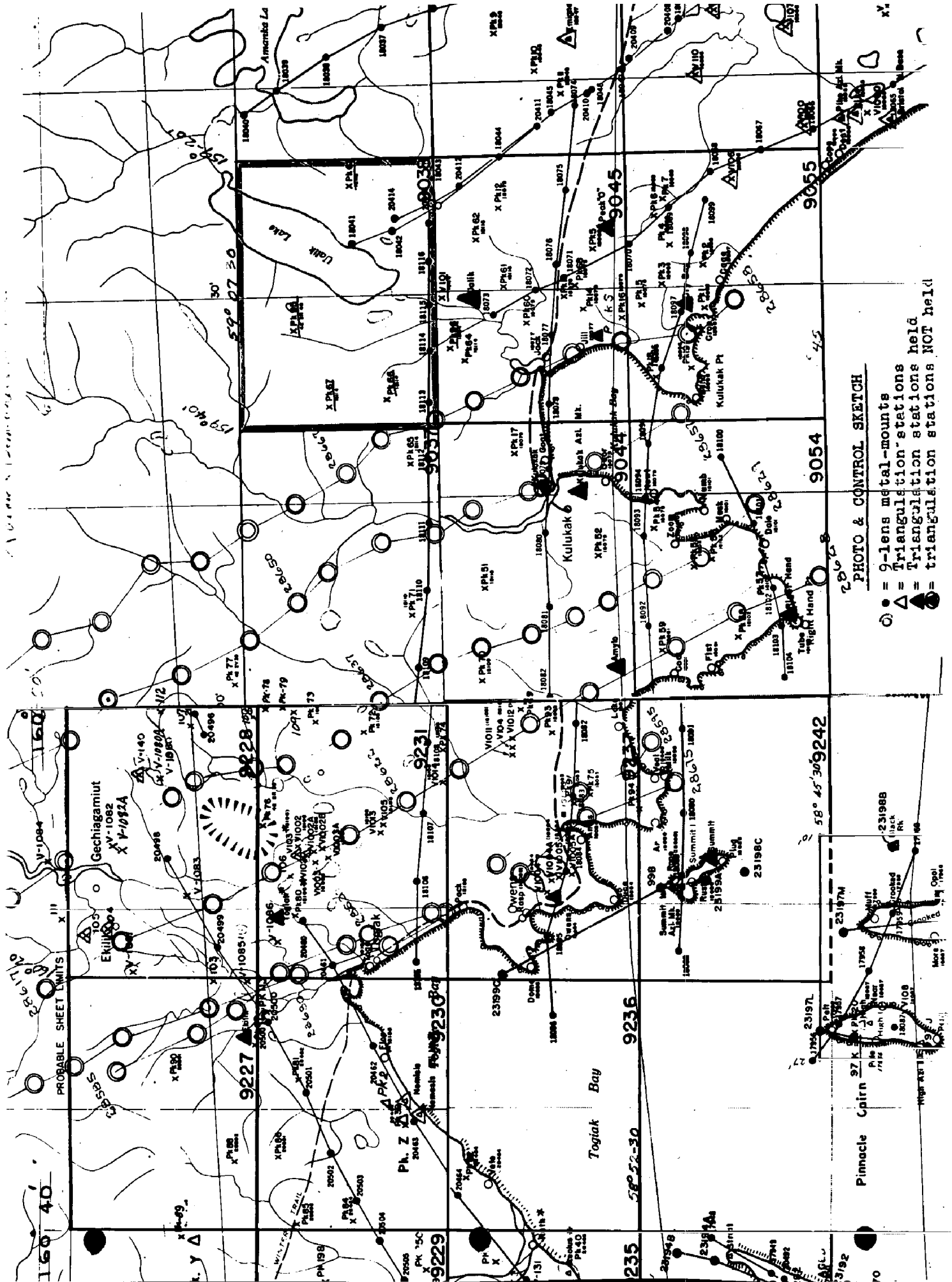


PHOTO & CONTROL SKETCH

- = 9-lens metal-mounts
- △ = triangulation stations held
- ▲ = triangulation stations NOT held

Gechiagamiut  
XV-1062  
XV-1072A

Kulukak

Togiat Bay

Pinnacle Cairn

160 40

160 50

160 60

235

9236

9055

9229

9228

9045

9227

9231

9054

9230

9235

9054

9237

9242

9054

9238

9245

9055

9241

9250

9055

9248

9255

9055

9251

9260

9055

9254

9265

9055

9257

9270

9055

59° 07' 30"

58° 45' 30"

58° 45' 30"

59° 07' 30"

COMPILATION REPORT31: 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:

- See review report*      *See review report.*
- a. Graphic Control: None.
  - c. Hydrographic Control Surveys: None.
  - d. Vertical Angle Computation Brochure:

"COMPUTATION & TABULATION OF VERTICAL CONTROL IN THE AREA OF RADIAL PLOT E, Project Ph-8B(46), including T-9038, T-9044, T-9045, T-9055, T-9228, T-9231, T-9237, and T-9242."

34. Contours and Drainage:

The few photos that were used in this delineation were of satisfactory quality for this purpose. The normal practice used thruout 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. *See review report.*

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. *See review report*

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.

50. Compilation Office Review: See T-2 form, following.

Submitted by:

*Orvis N. Dalbey*  
 Orvis N. Dalbey  
 Cartographer-Photogrammetric

Approved and Forwarded by:

*Louis J. Reed*  
 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 along-shore cultural features

*✓ = checked*  
*∅ = non-existent*

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. \_\_\_\_\_  
 Reviewer

*Louis J. Reed*  
 Supervisor, Review Section or Unit  
 Louis J. Reed, Chief

41. Remarks (see attached sheet)

**Stereoscopic Mapping Section**  
**Photogrammetric Engineer**

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:

GEOGRAPHIC NAMES

Survey No. T-9038

Name on Survey											
	A	B	C	D	E	F	G	H	K		
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List			
Alaska											1
Bristol Bay											2
											3
Valik Lake											4
											5
Kanik River											6
											7
											8
											9
											10
											11
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											13
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											23
											24
											25
											26
											27

} for title

Bay

(use this name pending decision on Upper Jishik Lake)

(headwaters here - check with T-9045: it does not drain Valik Lake)

Names approved  
3-16-53 L. Heck

Review Report T-9038  
Topographic Map  
March 13, 1953

- 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:

B. J. Colner  
B. J. Colner

APPROVED:

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

H. E. Johnston  
Chief, Nautical Chart Branch  
Div. of Charts

L. W. Johnson  
Chief, Div. of Photogrammetry  
1 Feb. 1955

Carl O. Heston  
Chief, Div. of Coastal Surveys

Horizontal and Vertical Accuracy

1. No 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 interior details (contours and drainage) but probably does not meet national standards for the scale and contour interval.

B. J. Jones  
1/21/55.