**DESCRIPTIVE REPORT**

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<th>Type of Survey</th>
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<td>Field No.</td>
<td>Ph-11/49</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-8057 &amp; 58</td>
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**LOCALITY**

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<td>General locality</td>
<td>Kuskokwim Bay</td>
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<tr>
<td>Locality</td>
<td>Goodnews Bay</td>
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</table>

**1949**

**CHIEF OF PARTY**

A. Newton Stewart, Chief Field Party
Div of Photogrammetry, Wash., D.C.

**LIBRARY & ARCHIVES**

**DATE**

MAY 15, 1958
DATA RECORD

T-8057 & 58

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

Field Office (II): Platinum, Alaska Chief of Party: A. Newton Stewart
Photogrammetric Office (III): Washington, D.C.
Instructions dated (II) (III): 3 Mar 49

Compaction= Louis J. Reed

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Reading 9-lens Plotters

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

Scale Factor (III):

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 4/25/58

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

Geographic Datum (III): NA 1927

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):

Lat.: Long.: Adjusted

Adjusted Unadjusted

Plane Coordinates (IV):

State: Zone:

Y = X =

Universal Transverse Mercator Grid with 2500 meter intervals.

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)

Instrument compilation by Clarence E. Misfeldt of the Reading 9-lens Plotter, model "A".
DATA RECORD

Field inspection by (II):  A. Newton Stewart  Date: 1949 Season

Planetable contouring by (II):  None  Date:

Completion Surveys by (II):  None  Date:

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

MHWL is dated 1949 since it was delineated on the 9-lens plotter using 1949 field inspection as a guide.

Projection and Grids ruled by (IV):  Austin Riley on the Reading Ruling Machine  Date: 16 Sep 53

Projection and Grids checked by (IV):  Howard D. Wolfe  Date: 18 Sep 53

Control plotted by (III):  Lester C. Lande  Date: 20 Sep 53

Control checked by (III):  Neil S. Schultz  Date: 22 Sep 53

Radial Plot  Samule D. Blankenbaker  Date: 28 Oct 53

Control extension by (III):  Planimetry

Stereoscopic Instrumentation (III):  by: Clarence E. Misfeldt  Date: 26 May 54

Contours

Manuscript delineated by (III):  John B. McDonald  Date: 26 Oct 54

Photogrammetric Office Review by (III):  Louis J. Reed  Date: 3 Nov 54

Elevations on Manuscript checked by (III):  Louis J. Reed  Date: 3 Nov 54

Form T-Page 3
Camera (kind or source) (III): USC&GS 9-lens camera, model "B", f = 8.25 inches

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Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): [Signature]

Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): $T-8057 = 9659.9\,\text{mi}^2$; $T-8058 = 4759.7\,\text{mi}^2$
Shoreline (More than 200 meters to opposite shore) (III): $T-8057 = 6\,\text{mi}$; $T-8058 = 3\,\text{mi}$
Shoreline (Less than 200 meters to opposite shore) (III): $T-8057 = 0$; $T-8058 = 0$
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): Recovered: Identified:
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:

Date: 16 May 1955

Date:
Date:
Date:
Summary to Accompany T-8057 and T-8058

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° 52-1/2'').

The field work was carried out as a combined operation between Photogrammetry and Geodesy (project G-949) during the season of 1949 and was a continuation of the Bristol Bay project, 1949.

T-8057 and T-8058 include the area north of Goodnews Bay from the east shore of Kuskokwim Bay, eastward to include the lower portion of Tumulik and Goodnews Rivers.
Summary to Accompany T-8057 and T-8058.

Project Ph-41(49), Kuskokwim Bay and River, has two sections: Ph-41(S) consists of twelve topographic maps extending from Platinum (59° 00'W) to Kwinhagak (59° 45'); and Ph-41(N), twenty-two planimetric maps, extending from Kwinhagak to the vicinity of Bethel (60° 52-1/2').

The field work was carried out as a combined operation between Photogrammetry and Geodesy (project C-949) during the season of 1949 and was a continuation of the Bristol Bay project, 1949.

T-8057 and T-8058 include the area north of Goodnews Bay from the east shore of Kuskokwim Bay, eastward to include the lower portion of Tumulik and Goodnews Rivers.
1. Preface:
2-20: See separate report entitled:

PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
KUSKOKWIM BAY, ALASKA
Project Ph-41(49) May to July, 1949

A. Newton Stewart, Chief of Party
See Completion Report filed in the Library
RADIAL PLOT REPORT

21-30: See Descriptive Report for T-8072 & 73

The area of the two quads of this report was included with the area of several others in a single radial plot. The report for the plot was included in the Descriptive Report for T-8072 & 73, a combined report also.
31. Delineation:

Instrument delineation was accomplished on the Reading 9-lens plotter, model "A" with control furnished by the radial plot. All of the land area of T-8057 was mapped but only the SW quarter, approximately, of T-8058 was completed during this operation since the balance lacked control and photograph coverage.

32. Control:

Side-heading 23 of the Radial Plot Report indicates that, in general, both horizontal and vertical control were adequate for this compilation. The NW quarter of T-8058 was laid as part of the plot but was discovered during instrument delineation to be too weak for contouring use.

33. Supplemental Data:

"TABULATION OF ELEVATIONS AND COMPUTATIONS OF ELEVATIONS BY MAP MANUSCRIPTS FOR VERTICAL CONTROL STATIONS IN THE AREA OF MAP MANUSCRIPTS T-8072, T-8073, T-9232, T-9233, T-8057, T-8058, T-5953, T-5766, T-5779, and T-5921."

34. Contours and Drainage:

The quality of the photography was suitable for contouring purposes and no areas of questionable contours remain.

35. Shoreline and Alongshore Details:

Very little shoreline inspection was necessary in this area since the shoreline is very smooth and regular. Shallow areas were office delineated.

36. Offshore Details: Not applicable.

37. Landmarks and Aids: Not applicable—none exist here.

38. Control for Future Surveys:

Only one recoverable point, a topo station, was field identified and positioned by the plot, station TRAP, 1949, on T-8057. See form 524 and photo 231620.

39. Junctions:

All junctions, as outlined on page 5, are in agreement since all junctioning quads were mapped as part of the same project, except to the east of T-8058 where no contemporary survey exists.
40. **Horizontal and Vertical Accuracy:**

Horizontal accuracy, established by the radial plot, meets standards set for maps at a scale of 1:20,000. The contours delineated at a 50ft interval are accurate to within 25 feet, and the 25ft supplemental contours, used to better express the flatter areas, are considered to be even more accurate although not required to be so.

46. **Comparison with Existing Maps:**

No large scale maps have ever been compiled of this area, previous to this project.

47. **Comparison with Nautical Charts:**

No. 9103, KUSKOKWIM BAY, 1:200,000, is the largest scale chart of the area.

48. **Geographic Name Lists:** see page 11.

49. **Notes for the Hydrographer:** see side-heading 38.

50. **Compilation Office Review:** See T-2 form, page 12.

submitted by:

Orvis N. Dalbey, Chief
9-lens Compilation Section

forwarded by:

Louis J. Reed, Chief
Stereoscopic Mapping Branch
Photogrammetric Engineer
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>Chart No.</th>
<th>Previous Survey</th>
<th>U. S. Quadrangle</th>
<th>Maps</th>
<th>Guide or Map</th>
<th>Local Information</th>
<th>Light List</th>
<th>Notes</th>
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<td>SOUTH FORK</td>
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<td>(This is an unnamed stream. South Fork of Indian R. is north of 59°15')</td>
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<td>GOODNEWS BAY</td>
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Names approved 5-17-55
L. Heck
PHOTOGRAMMETRIC OFFICE REVIEW
T. 8057 & T. 8058

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. 

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 Branch
Photogrammetric Engineer

M-2623-12
Review Report
Topographic Maps T-8057 and T-8058
16 May 1955

62. Comparison with Registered Surveys:
   T-3416  1:40,000  1913  - Carter Bay and Vicinity
   This is a shoreline map. It is superseded by T-8057 for charting purposes.

63. Comparison with Maps of Other Agencies:
   USGS Goodnews, Alaska, 1:250,000, 1951 (Reconn.)
   The two maps are in general agreement.

64. Comparison with Contemporary Hydrographic Surveys:
   Not applicable.

65. Comparison with Nautical Charts:
   9103  1:200,000  1916, corr. October 1950
   The chart does not delineate the map areas, except for the location of peaks.

66. Accuracy:
   These maps comply with project instructions and meet the National Standards of Accuracy.

Reviewed by:

Lena T. Stevens

APPROVED BY:

L. C. Lande
Chief, Review Section
Photogrammetry Division

May E. Shell
Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division
## NAUTICAL CHARTS BRANCH

**SURVEY NO. T.8057**

Record of Application to Charts

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.
NAUTICAL CHARTS BRANCH

SURVEY NO. 78058

Record of Application to Charts

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