

5725

Diag. Cht. No. 9103.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-41 (49) Office No. T-5725

LOCALITY

State Alaska

General locality Kuskokwim Bay

Locality An area along the east shoreline
of Kuskokwim Bay from a point about
4 miles south of Warehouse Creek to
Kwinhagak.

1949-50

CHIEF OF PARTY

A.N.Stewart, Chief of Field Party

C.W.Clark, Portland Photo. Office

LIBRARY & ARCHIVES

DATE May 15, 1958

B-1870-1 (1)

5725

DATA RECORD

T - 5725

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

Field Office (II): Platinum, Alaska

Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 3 March 1949 (Field)
26 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): 9-25-57 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 5/5/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): ~~Mean Sea Level~~ ^{High Water}

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): See Paragraph 12 of Office Instructions

Lat.:

Long.:

Adjusted
Unadjusted ✓

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)
(II) (III)

DATA RECORD

Field Inspection by (II): A. N. Stewart, Chief of Party

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 by field inspection on photographs taken in 1945.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): M.B. Elrod

Date: 16 Nov. 1950

Control checked by (III): H. Laube

Date: 16 Nov. 1950

Radial Plot or Stereoscopic H. Laube and C. Wiebe
Control extension by (III):

Date: 18 Dec. 1950

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): M.B. Elrod

Date: 24 July 1951

Photogrammetric Office Review by (III): Ree H. Barron

Date: 13 Aug. 1951

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

Ree H. Barron

Date: 13 Aug. 1951

Camera (kind or source) (III): U.S.C. & G.S. 9-lens, 8.25 inches, focal length

Number	Date	Time	Scale	Stage of Tide
28376 to 28378 incl.	8/8/50	14:07	1:20,000	6.0 ft. above M.L.L.W.
28573 to 28575 incl.	"	Unknown	1:20,000	Unknown

F.I. Photos:

14704 1445
 14706
 14717
 14718

Tide data: Low 13:14 = 1.46 Then at 14:07 = 1.9 above M.L.L.W.
 Hi 17:13 = 5.16 (This is borne out by the appearance of the photos.)

Tide (III)

Ratio of Ranges	Mean Range	Diurnal
		Spring Range
4.2 H	2.1	
1.7 L	9.7	12.3

Reference Station: Matarani, Peru

Subordinate Station: Eek Channel off Kwinhagak +0:50 min.

Subordinate Station:

Washington Office Review by (IV): *Lena T. Stevens*

Date: 4 June 1954

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 94.2

Shoreline (More than 200 meters to opposite shore) (III): 10.7

Shoreline (Less than 200 meters to opposite shore) (III): 32.5

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 3

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Summary to Accompany T-5725

Project Ph-41(49) consists of 22 planimetric and 12 topographic surveys. The planimetric surveys cover the east and the west sides of Kuskokwim River from Kwinhagak to Bethel. The topographic surveys extend from Goodnews Bay to Kwinhagak.

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.

After the maps for the project have been reviewed, smooth-drafted, 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 project instructions.

A cloth-backed copy of each map and the descriptive reports will be registered and filed in the Bureau Archives.

FIELD INSPECTION REPORT
Map Manuscript T-5725
Project Ph-41(49) North

Refer to:

PROJECT REPORT
AERIAL PHOTOGRAPH CONTROL AND INSPECTION
KUSKOKWIM BAY, ALASKA
Project Ph-41(49) May to July 1949
A. Newton Stewart, Chief of Party

*Filed as part of the
Completion Report.*

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript T-5725
Project Ph-41(49) North

Refer to the Photogrammetric Plot Report for T-5577 to T-5579
incl., T-5679 and T-5725 which is included in the Descriptive Report
for T-5577 to T-5579 incl.

COMPILATION REPORT
Map Manuscript No. T-5725
Project Ph-41(49) North

Side headings 31 to 36 incl., 39, 46 and 47 of the Compilation Report for T-5577 to T-5579 incl. are applicable.

37: LANDMARKS AND AIDS:

Form 567 is being submitted for SPIRE, Kwinhagak Church Spire, 1949.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted for the following recoverable topographic stations:

SOCK, 1949 CLUB, 1949 Kwinhagak Church Spire, 1949

These stations along with the radially plotted photo hydro stations are listed under side heading 49: "Notes for the Hydrographer".

The photo hydro stations were selected and described by the field party by office examination of the photographs. The number given for each of these stations was assigned at the photogrammetric office.

40: HORIZONTAL AND VERTICAL ACCURACY:

Vertical accuracy is not applicable.

The planimetric detail in the extreme eastern part of this map manuscript could possibly be of sub-normal accuracy due to the absence of horizontal control stations.

41: VERTICAL CONTROL:

None was identified in the area for location by radial plot.

Approved:

Charles W. Clark
Charles W. Clark
Officer-in-Charge

Respectfully submitted:

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Cartographer
VED

48: GEOGRAPHIC NAME LIST:

Final geographic names were furnished this office on copies of the following maps:

Aeronautical Chart: - Bethel (1196) Alaska
U.S.G.S. Alaska Reconnaissance Topographic Series Map; Bethel, Alaska
U.S.G.S. Alaska Map 18: - Goodnews District Alaska
Nautical Chart (Kuskokwim Bay) No. 9103

T-5725

Kanektok River
Kuskokwim Bay
Kwinhagak

1951 Pop. 194

Weelung Creek

Oyak Creek

Kanagtatlek Creek

Stoggnang Creek

Ithagtsutlek Lake

Names approved

6-4-54

L. Heck

49: NOTES FOR THE HYDROGRAPHER:

See side heading "Hydrographic Stations" on page #9 of PROJECT REPORT for Project Ph-41(49) North KUSKOKWIM BAY AND RIVER June-July 1949, Curtis LeFever, Chief of Party.

Refer to side heading 38; "Control for Future Surveys" of this descriptive report.

T-5725

- 100 - S.W. point of pond
- 101 - West extension of pond

Recoverable topographic stations:

SOCK, 1949 CLUB, 1949 Kwinhagak Church Spire, 1949

South of T-5725

VINE, 1949

TO BE CHARTED

STRIKE OUT ONE

Portland, Oregon

11 September 1951

NONTECHNICAL LANDMARKS FOR CHARTS

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(attached form)~~ the charts indicated.

The positions given have been checked after listing by

Charles H. Clark

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

PHOTOGRAMMETRIC OFFICE REVIEW

T-5725

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 ☒

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. Rev. H. R. J. Edward Deal Jr.
Reviewer Supervisor, Review Section or Unit

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.

Complier

Supervisor

43. Remarks:

Review Report
Planimetric Map T-5725
4 June 1954

62. Comparison with Registered Surveys:

No earlier topographic surveys were made.

63. Comparison with Maps of Other Agencies:

USGS	Kuskokwim Bay	1:250,000	1951
USGS	Goodnews	1:250,000	1951

The C&GS chart and T-5725 were used in the compilation of this part of the quadrangles.

64. Comparison with Contemporary Hydrographic Surveys:

The latest hydrographic surveys were made in 1914-15.

65. Comparison with Nautical Charts:

9103 1:200,000 @ 59° 20' Sept. 1916, Rev. Oct. 1952.

The chart has no interior detail and only a generalized shoreline.

66. Accuracy:

The shoreline and the interior, except in the extreme east, meets the National Standards of Accuracy. The extreme east may be substandard because control was not available for the eastern margin of the map and delineation was from the wing portions of the photographs.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

L. C. Lande
Chief, Review Section
Division of Photogrammetry

J. Bull
Chief, Division of
Photogrammetry

Max B. Kettle
Chief, Nautical Chart Branch
Division of Charts

W. H. Hume
Chief, Division of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 5725

Record of Application to Charts

[illegible]

M-2168-1

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.