9644

Diag. Cht. Nos. 9380 & 9400

Form 50s

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of SurveyPlanimetric (Photogrammetric)

Field No. Ph-65(50) Office No. T-9644

LOCALITY

XXXX Territory of Alaska

General locality Seward Peninsula

Locality Cape Prince of Wales

1949___

CHIEF OF PARTY
Marvin T. Paulson - Field
Charles W. Clark-Portland Photogrammetric

LIBRARY & ARCHIVES

DATE Jan -13 -1953

B-1870-1 (1)



DATA RECORD

T- 9644

Project No. (II): Ph-65(50)

Quadrangle Name (IV):

Cape Prince of Wales

Field Office (II): Shishmaref, Alaska

Chief of Party: Marvin T. Paulson

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 9 November 1950 (Office)

Copy filed in Division of

17 March 1949 (Field) Ph-46(49) and Ph-28(47)

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):

Date reported to Nautical Chart Branch (IV): 9UN 29 193

Applied to Chart No.

Date:

Date registered (IV): Get 28, 1952

Publication Scale (IV):

1:70,000

Geographic Datum (III): N.A. 1927

Publication date (IV):

Vertical Datum (III): Mean-Sea Level

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):

Long. See A.

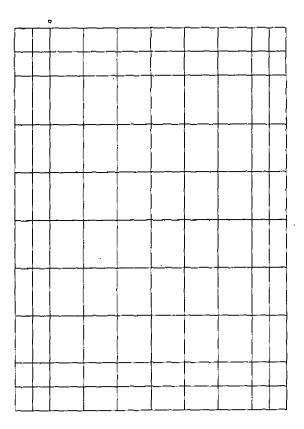
Plane Coordinates (IV):

State: Alaska zone: 3

Y =

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or ((V) 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): J. An Ship | drew Hinely PIONEER (Topographic Surveys) | Date: 6/2 | 22/49 to 9/22/49 150n 1950 | | |
|--|--|-----------|--|--|--|
| Planetable contouring by (II): | None | Date: | _ | | |
| Completion Surveys by (II): | None | Date: _ | _ | | |
| Mean High Water Location (III) (State date and method of location): Spot located on field photographs during 1949 field season and spot located by Ship PIONEER on topographic surveys by planetable during 1950 season. | | | | | |
| Projection and Grids ruled by (IV) | ·): | Date: | | | |
| Projection and Grids checked by | (IV): | Date: | • • | | |
| Control plotted by (III): | H.J. Atkins | Date: | 3/7/51 | | |
| Control checked by (III): | J.L. Harris | Date: | 3/8/51 | | |
| Radial Plot or Stereoscopic Control extension by (III): | J.L. Harris and J.E. Deal | Date: | 3/21/51 | | |
| Stereoscopic Instrument compilat | Planimetry ion (III): None | Date: | | | |
| | Contours None | Date: - | _ | | |
| Manuscript delineated by (III): | Helen Laube | Date: | 4/3/51 | | |
| Photogrammetric Office Review b | y (III): Ree H. Barron | Date: | 5/8/51 | | |

Elevations on Manuscript

checked by (II) (III);

Date:

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| | | rence, Cape Rile | - Alaska | 12 14 |
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| Suporuma | re station. Topp De | te marked "#" | haThuile | <u></u> |
| 166 | | | JOHN TO THE PARTY OF THE PARTY | Date: 11-29-51 |
| wasningto | on Office Review by (IV): | 7 () Face of Sa | 00 | |
| | | Q | | Date: 3-:17-52 |
| Final Draf | ting by (IV): m.g. | ~ | | Date. 🗸 . p. i |
| | | · · · · · · · · | of Minn | Date: 5 - 29-52 |
| Drafting v | erified for reproduction | by (IV): William O. A | accum. | Date: 3 - A / V |
| | | _ | | Date: 6-10-5V |
| Proof Edit | by (IV): | L. Ma | itue XXXX | Date: 6 70-50 |
| | | | $-\mathcal{O}\mathcal{O}$ | · |
| Land Area | a (Sq. Statute Miles) (III) | : 16.5 | | |
| Shoreline | (More than 200 meters | to opposite shore) (III): | 20.8 statute mil | les |
| | (Less than 200 meters | | None | |
| | eveling - Miles (H): | | | |
| | of Triangulation Stations | searched for (II): 4 | Recovered: 1 | Identified: 2 |
| | of BMs searched for (II): | • | Recovered: | Identified: |
| ******** | | | | |
| | | tions established (III): 主 | | |
| Number o | f Temporary Photo Hydr | o Stations established (III |): None | |
| | | | | |
| Remarks: | | | | |
| · * . | 5 | | | |
| <i>"</i> " 't | > additional_stat | tions are plotted | on the map manus | cript which were |
| 3 | located with pion | netable by Ship P. | on the map manus IONEER during seas | son 1950. |
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| # The | following in | formetion was | available ofte | r review and at time of |
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| NO. | 51 da ted 2/15 | | • | 4 • |
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| | MLIW - 0.00 | | | - , |
| | | Form T-Pa | age 4 | M-2618-12(4) |

SUMMARY T-9644

This is one of 16 planimetric maps at 1:20,000 scale in Project Ph-65(50) which covers the coastline of the SEWARD PENINSULA from CAPE DOUGLAS northward to the IKPEK LAGOON at the 66° parallel.

The planimetric survey for NOME is on the southern side of the peninsula and does not adjoin the other maps of this project.

Much of this coastal area has not been previously covered by maps at this large scale.

Information concerning the project in its broader aspects will be included in a project completion report to be compiled at the conclusion of the review of all surveys in this project and will be filed in the Bureau Archives.

FIELD INSPECTION REPORT Map Manuscript No. T-9644 Project Ph-65(50)

Refer to "Project Report Aerial Photograph Control and Inspection, North Shore Seward Peninsula, Alaska Ph-46(49), Marvin To Paulson, Chief of Party."

Refer to Descriptive Reports for Topographic Surveys PI-B, C, and D-50 (1950), Thos. B. Reed CDR. USC&GS Comdg. Ship PIONEER.

PHOTOGRAMMETRIC PLOT REPORT Map Manuscript No. T-9644 Project Ph-65(50)

The photogrammetric plot report for this map manuscript is part of a combined photogrammetric plot report for Map Manuscripts T-9639 to T-9645 incl. and is included in the Descriptive Report for T-9639 (1949) Project Ph-65(50).

COMPILATION REPORT Map Manuscript No. T-9644 Project Ph-65(50)

For side headings 31, 32, 34 to 37 incl., 39, 40, 46, and 47 refer to the Descriptive Report for Map Manuscript T-9639 (1949) Project Ph-65(50).

33: SUPPLEMENTAL DATA:

Topographic Survey PI-D-50, Scale 1:30,000, dated 8-15-50 was used to supplement the photographs when delineating the mean highwater line.

38: CONTROL FOR FUTURE SURVEYS:

Form 524 is being submitted with this map manuscript for the recoverable topographic station ANDY. It is also listed under side heading 49: "Notes to the hydrographer".

Approved:

Charles W. Clark

Officer-in-Charge

Respectfully submitted:

Edward Deal, Jr. J. Edward Deal, Jr.

Cartographer

48: GEOGRAPHIC NAME LIST: T-9644

The geographic names listed below were obtained from sources as follows:

Nautical Chart No. 9380 World Aeronautical Chart (76) Seward Peninsula U.S.G.S. Reconnaissance Map of Seward Peninsula

For this part of the project neither a geographic names report nor final names sheets were furnished the Photogrammetric Office.

Belmezok (only locality not now an inhabited village) trait
Cape Prince of Wales
Cape Mountain
Lopp Lagoon
Wales

Shown on map as locality because it

Names underlined in red are approved. 11-14-51 L. Heck

49: NOTES TO THE HYDROGRAPHER: T-9644

One recoverable topographic station has been located by radial plot, namely:

 $\sqrt{\text{ANDY}, 1949}$

PHOTOGRAMMETRIC OFFICE REVIEW

T- 96 4

| 1. Projection and grids2. Title3. Manuscript numbers4. Manuscript size4. |
|---|
| CONTROL STATIONS |
| 5. Horizontal control stations of third-order or higher accuracy6. Recoverable horizontal stations of less |
| |
| than third-order accuracy (topographic stations)7. Photo hydro stations8. Bench marks9. Plotting of sextant fixes10. Photogrammetric plot report11. Detail points |
| 9. Flotting of sextant fixes |
| ALONGSHORE AREAS |
| (Nautical Chart Data) |
| 12. Shoreline13. Low-water line14. Rocks, shoals, etc15. Bridges16. 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 |
| . POUNDARIES |
| BOUNDARIES 31. Boundary lines 32. Public land lines |
| 31. Bourdary lines 32. Fublic 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. Rent. Born (Salward Weal of |
| 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. |
| Compiler Supervisor |
| 43. Remarks: M-2623-12 |

Form 567 April 1945

DEPARTMENT OF COMMERCE

U. S. COAST AND SEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Oakland, California

TO BE CHARTED STRIKE OUT ONE

28 February, 1951

Thos. B. Reed

I recommend that the following objects which have (have-not) been inspected from seaward to determine their value as landmarks be charted on (doloted from) the charts indicated.

The positions given have been checked after listing by P. O. Rennis, Jr.

| | | • | | | | | | : ! ! | | Ü | Chief of Party. |
|------------|----------------------|--------|--------|----------------|-------------|--------------|-------|---------------------|----------|-------------|-------------------|
| STATE | | | | " | POSITION | | | METHOD | | 1871 | 13Vu- |
| | | | LATI | LATITUDE | LONG | LONGITUDE | | LOCATION | | BE CH | CHARTS |
| CHARTING | DESCRIPTION | SIGNAL | - 0 | D.M.METERS | 0 | D. P. METERS | DATUM | SURVEY No. | LOCATION | OHSN1 | H2440 |
| 2652 | Cape Prince of Wales | Lig | 65 38 | | 92.0 168 07 | } } | NA192 | 23.0 NA1927 PI.D-50 | 1 - 1 | , , , | 1950 x x9380.9400 |
| \ \ | Many | | | | | 1 | | | | | |
| | [Copy of Chart | H | ter 18 | etter 183(50)] | /// | 1111 | | | | | |
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey steets. Formation under each column heading should be given.

Review Report T-9644 Planimetric Map 28 November 1951

- 62. Comparison with Registered Topographic Surveys. This is the first large scale survey of this area.
- 63. Comparison with maps of other agencies. -Reconnaissance Map of SEWARD Peninsula, USE, 1:500,000, 1918 Reprint 1935.

Map of SEWARD PENINSULA, Lomen Commercial Company, 1:500,000, no date.

NOME DISTRICT, Alaska Road Commission, 1:500,000, 1923 corrected to 1943.

TELLER, ALASKA, USGS, 1:250,000, Advance Proof 1951.

Some of the features of the TELLER map vary as much as a half mile in position with the same features of this planimetric map as evidenced by the discrepancy in latitude of the point of land jutting into LOPP LAGOON at 65° 40' and the discrepancy in longitude of the rounded cape just below WALES at 65° 36'.

64. Comparison with Contemporary Hydrographic Surveys .-

H-7845 1:20,000 1950 H-7849 1:20,000 1950

Graphic control, principally hydrographic shown on planetable PI-D-50, was established in the Wales area by theodolite and traverse and included in the above hydrographic surveys.

Shoreline, located at intervals on the above surveys, is in agreement with that compiled for this survey.

Other than horizontal control and shoreline, there is no detail common between T-9644 and the hydrographic surveys.

65. Comparison with Nautical Charts .-

| Charts | 9380 | 1:400,000 | August 1951 |
|--------|------|-------------|---------------|
| | 9302 | 1:1,534,076 | December 1950 |
| | 9400 | 1:1,587,870 | November 1950 |

The wide difference in scale between the above charts and the present survey precludes any adequate and significant comparison.

66. Miscellaneous.-

(a) Geographic Names - the Eskimo Village of BELMEZOK, about 4 miles north of WALES, appearing in various positions on the TELLER (USGS) map, Charts 9380 and 9302, and on the

NOME aeronautical chart was not reported during field inspection (see Photo 0-117) and no signs of it are visible on photo 27968. It is recommended that this name be not charted as a village but as a general locality.

- (b) FIELD INFORMATION northeastward from CAPE PRINCE OF WALES, shoreline inspection and establishment and identification of horizontal control was accomplished and originally included in Ph-46(49). See Season Report for Ph-46(49) dated 1 March 1950 by Marvin T. Paulson.
 - (c) FIELD EDIT none for surveys in this project.
- (d) POLITICAL BOUNDARIES the Territory of Alaska is divided into four judicial divisions and these are then further subdivided into districts. All of project Ph-65(50) is within the SECOND JUDICIAL DIVISION, and with the exception of T-9654 (NOME DISTRICT), all of the surveys are within the PORT CLARENCE DISTRICT.
- (e) AIRSTRIPS Two suitable landing areas for light aircraft are indicated on the aeronautical chart for NOME (76D); one along the sand beach immediately north of WALES, and the second on the south shore of LOPP LAGOON.

No information about these suitable natural landing areas was furnished by the field inspection party.

Ordinarily aeronautical charts are not included as reference information material for topographic or photogrammetric parties in continental U.S. They would, however, seem to have real usefulness to field parties where there is little information available.

(continued next page)

- (f) No field information was furnished concerning the coastal trail shown around the SEWARD PENINSULA by the NOME aeronautical chart and no attempt has been made to compile this feature because it cannot be positively identified on the photographs.
- (g) TRIANGULATION pending processing of the computation data and listing as third-order triangulation on Form 28B by the Division of Geodesy, topographic station Forms 524 have been submitted for the following:

. Wales, U.S. Weather Bureau, N. . House, Weathervane 1950

Wales, Thorton Memorial Chapel Belfry 1950

Law, 1950

Wales Az. Mark, 1950

S. Gable, Green House, 1950

The above listed stations are shown with the triangulation symbol on the manuscript.

(b) SECURITY INFORMATION - geographic positions of stations in this area are "CONFIDENTIAL" and have been removed from this report to permit all other material of this survey to carry the lower classification "RESTRICTED".

L. Martin Gazik

APPROVED

Chief, Review Section

Div. of Photogrammetry

Photogrammetry

Ehlef, Nautical Chart Branch Division of Charts