

9652

Diag. Cht. Nos 9380 & 9400

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-65(50) Office No. T-9652

LOCALITY

State TERRITORY OF ALASKA

General locality SEWARD PENINSULA

Locality PORT CLARENCE TO CAPE DOUGLAS

1945

CHIEF OF PARTY

H.A.Karo, Ship EXPLORER- Field Party

C.W.Clark, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE March 1 - 1951

DATA RECORD

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Project No. (II): Ph-65(50) Quadrangle Name (IV): *Port Clarence to Cape Douglas*

Field Office (II): Ship EXPLORER Chief of Party: H. Arnold Karo

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 19 May 1950 (Field)
9 November 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): MAY 23 1951 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): Oct 28, 1951

Publication Scale (IV): 1:40,000

Publication date (IV):

(Date of issue 1952)

Geographic Datum (III): N.A. 1927

Mean High Water

Vertical Datum (III): ~~Mean Sea Level~~~~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): EAGLE CREEK (A.M.S.) 1949

Lat.:

Long.:

Adjusted

X

Unadjusted

Plane Coordinates (IV):

~~State~~

Alaska

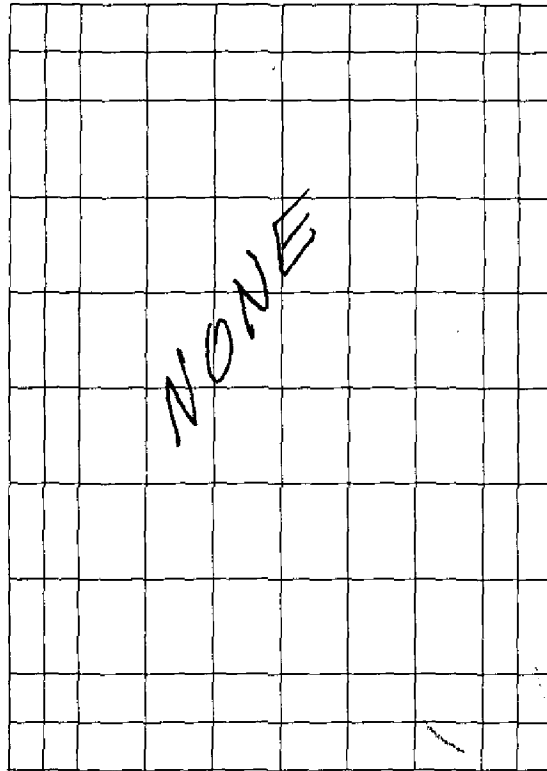
Zone: 3

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): E.L. Jones

Date: 5 July to
5 September 1950

Planetable contouring by (II):

None

Date: —

Completion Surveys by (II):

None

Date: —

Mean High Water Location (III) (State date and method of location): In general from measurements made in the field at triangulation, topographic, and hydrographic stations. Elsewhere as located on the field prints in numerous places and this interpretation carried forward on the office photographs by analogy with the use of the stereoscope. Field season 5 July to 5 September 1950.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III):

Harry J. Atkins, James L. Harris

Date: 1-30-51

Control checked by (III):

James L. Harris, R. A. Davidson

Date: 1-31-51

Radial Plot or Stereoscopic
Control extension by (III):

James L. Harris, Ree H. Barron
and J. Edward Deal

Date: 2-20-51

Stereoscopic Instrument compilation (III):

Planimetry

Date: —

Contours

None

Date: —

Manuscript delineated by (III):

Marie B. Elrod

Date: 4-12-51

Photogrammetric Office Review by (III):

Ree H. Barron

Date: 4-16-51

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

None

Date: —

Camera (kind or source) (III): U.S.C. & G.S. 9-lens, focal length 8.25 inches.
Camera "0", single lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
27898 to 27900 Incl.	7-31-50	9:45*	1:20,000	2.9 ft. above M.L.W.
Single lens				
50-0-1967 to 1971 Incl.	8-1-50	Unknown	1:20,000 ratio	Unknown
50-0-1973	8-1-50	"	"	"
50-0-1978 to 1981 Incl.	8-1-50	"	"	"

* It is believed that the time in effect at Port Clarence, Alaska is based on the "Time Meridian 150° West" and it is assumed that the time indicated for each photograph is on this time zone. One hour has been subtracted from the photograph time listed above before determining the stage of tide from the tide curve which is based on the "Time Meridian 165° West".

Tide (III)

Reference Station Dutch Harbor, Alaska (Time Meridian 165° West)
Subordinate Station: Point Clarence, Alaska (Time Meridian 165° West)
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring Range
		Range
	2.2	3.7
	1.2	1.4

Washington Office Review by (IV): *L. Martin Gazik*

Date: 8-30-51

Final Drafting by (IV): *M. J. Day*

Date: 3-24-52

Drafting verified for reproduction by (IV): *Wm O. Hallum*

Date: 6-10-52

Proof Edit by (IV):

L. Martin Gazik

Date: 6-11-52

Land Area (Sq. Statute Miles) (III): 35.39

Shoreline (More than 200 meters to opposite shore) (III): 30

Shoreline (Less than 200 meters to opposite shore) (III): 2

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 23 Recovered: 23 Identified: 2

Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III): 3

Remarks:

SUMMARY FOR T-9652

This series of ¹⁶ planimetric and ~~2 shoreline~~ maps at 1:20,000 scale of project Ph-65(50) 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 comparatively 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 T-9652
Project Ph-65(50)

Refer to the Descriptive Report for ~~Shoreline~~ (Photogram-
metric) Surveys for ~~shots R.S. 389 to R.S. 392 inclusive Pro-~~
~~ject CS 341 (1950). T-9647.~~

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript T-9652
Project Ph-65(50)

The photogrammetric plot report for this map manuscript is part of a combined report for T-9647 to T-9653 inclusive and is included in the Descriptive Report for T-9647.

COMPILATION REPORT
Map Manuscript No. T-9652
Project Ph-65(50)

31 to 34 Incl.:

Refer to side headings 31 to 34 inclusive of the Compilation Report for T-9650 which are applicable to this map manuscript.

35: SHORELINE AND ALONGSHORE DETAILS:

The field inspection location of the mean high water line in the area of this map manuscript consisted of a measurement to the mean high water line at each of the photo hydro stations DIP, LAY and GUM and a small area indicated on the photograph at station PIX. Elsewhere the mean high water line has been delineated by office examination of the photographs with the use of the stereoscope.

Alongshore details were compiled with the assistance of field edit notes entered on a print of Sheet RS-389 Project CS-341.

There are no low water or shoal lines shown on the map manuscript.

36 and 37:

Refer to side headings 36 and 37 of the Compilation Report for T-9650 which are applicable to this map manuscript.

38: CONTROL FOR FUTURE SURVEYS:

The field party furnished the identification by sub station method of 3 photo hydro stations; namely, DIP, LAY, and GUM.

Minor difficulties were encountered in locating LAY and GUM and the facts were submitted for clarification to Lt. Comdr. E.L. Jones on duplicate pricking cards of the stations. It is believed that he has satisfactorily clarified the data and that the positions shown on the map manuscript are correct. The pricking cards are submitted with the map manuscript.

A list of photo hydro stations has been prepared and included in paragraph 49.

39, 40, 46 and 47:

Refer to side headings 39, 40, 46 and 47 of the Compilation Report for T-9650 which are applicable to this map manuscript.

Approved:

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

Respectfully submitted:

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

49: NOTES TO THE HYDROGRAPHER:

Photo hydro stations shown on this map manuscript are:

DIP, GUM, and LAY

Hydrography being completed in this area -
these stations are not retained on the printed
or vault copies.

48: GEOGRAPHIC NAMES LIST:

Unless otherwise noted the following geographic names were obtained from recommendations by the Ship EXPLORER shown on a copy of Nautical Chart No. 9385 which is attached to Descriptive Report RS-389, 390, 391 and 392.

T-9652

✓ Bering Sea
✓ Cape Douglas
✓ Gold Standard Creek
✓ Jones Point
✓ Nickle Creek
✓ Port Clarence

From Chart 9380

✓ Bridget Creek
✓ Sourdough Creek

Names underlined in
red are approved.
8-27-51. L. Heck

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9652

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. Ree H. Barron
Reviewer

Edward Neal Jr.
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:

REVIEW REPORT T-9652
Planimetric Map
August 30, 1951

62. Comparison with Registered Topographic Surveys

T-2523	1:40,000	1900
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Except for differences in the horizontal datum of longitude and the configuration of lakes and drainage, no others of significance were noted.

It is recommended that this survey supersede the above for charting purposes.

63. Comparison with Maps of Other Agencies

Reconnaissance Map of SEWARD PENINSULA, U.S.G.S.,
1:500,000 1918 Reprint 1935

TELLER, ALASKA, U.S.G.S., 1:250,000, Advance Proof 1951

Map of SEWARD PENINSULA, Lomen Commercial Company,
1:500,000, no date - a source of geographic names.

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

64. Comparison with Contemporary Hydrographic Surveys

H-7838	1:20,000	1950
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65. Comparison with Nautical Charts

Charts	9385	1:80,000	January 1949
	9380	1:400,000	September 1950
	9302	1:1,534,076	December 1950
	9400	1:1,587,870	November 1950

Lake and drainage delineation of this survey is in greater detail than shown on Chart 9385.

Although there are no forests in this subarctic tundra region, this area has a cover of mosses, lichens and some thickets which during the first of the thaw in June and July is essentially marsh. However, only areas that are marsh during the entire period of the short summer season as determined by office interpretation have been so delineated.

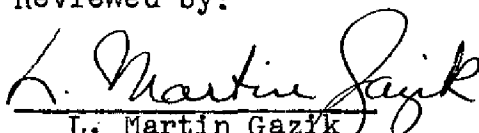
66. Miscellaneous

- (a) RS389 and 390, at 1:20,000, partially controlled, were compiled as preliminary reconnaissance surveys for this project.
- (b) FIELD INFORMATION - for this survey consisted of data supplied by (1) shoreline inspection - PORT CLARENCE shoreline and the coastal shoreline northward from 65°06' only, (2) establishment and identification of horizontal control, (3) a shoreline check of the compilations for RS389 and 390.
- (c) 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) ^{except T-65-4 (Nome District)} is within the PORT CLARENCE DISTRICT of the Second Judicial Division.
- (d) CLASSIFICATION - ^{DECLASSIFIED 3/2/84 RUS} geographic positions of stations in this area are "CONFIDENTIAL" and have been removed from this report. All other material of this survey has the classification, "RESTRICTED".

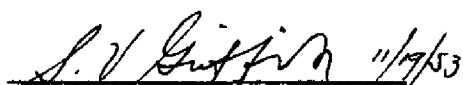
67. Adequacy of Manuscript


This survey complies with Bureau standards, project instructions and with National Standards of Map Accuracy.

Reviewed by:

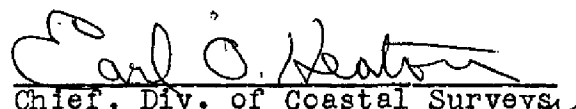

L. Martin Gazik

Approved:


Chief, Review Section
Div. of Photogrammetry


Chief, Nautical Chart Branch
Division of Charts 6FJ


Chief, Div., Photogrammetry
hds


Chief, Div. of Coastal Surveys
ss4