

9653

Diag. Cht. Nos. 9380 & 9400

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC (PHOTOGRAMMETRIC)

Field No. Ph-65(50) Office No. T-9653

LOCALITY

State TERRITORY OF ALASKA

General locality SEWARD PENINSULA

Locality YORK

194 52

CHIEF OF PARTY

M.T. Paulson, Field Party
L.C. Lande, Washington, D.C. Photogrammetric Office

LIBRARY & ARCHIVES

DATE March 1 - 1954

9653

DATA RECORD

T-9653

Project No. (II): Ph-65(50) Quadrangle Name (IV): ~~XXXXXXXXXX~~ YORK

Field Office (II): Shishmaref, Alaska

Chief of Party: Marvin T. Paulson

Photogrammetric Office (III): Washington, D. C. Officer-in-Charge: O. S. Reading
L. C. Lande

Instructions dated (II) (III): 9 Nov. 1950 (office)
17 Mar. 1949 (Field)
Ph-46(49) and Ph-28(47)

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): --

Scale Factor (III): 1.00

Date received in Washington Office (IV):

May 26, 1952

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

2-27-53

Publication Scale (IV): 1:20,000

Issue
Publication date (IV): Sept 1952

Geographic Datum (III): H. A. 1927

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
Shoreline at MHW

Reference Station (III): York, 1950

Lat.:

Long.:

Adjusted ☒
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.

NONE

Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): J. Andrew Hincly

Date: 6/22/49
to
9/22/49

Planetable contouring by (II): None

Date: —

Completion Surveys by (II): None

Date: —

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

No field inspection of SL
Office interpretation only.

Projection and Grids ruled by (IV): W. O.

Date: 1/52

Projection and Grids checked by (IV): H. Wolfe

Date: 4/52

Control plotted by (III): No control in area of T-9653,
see T-9645 & T-9646 for control on
adjacent surveys.

Date: —

Control checked by (III): —

Date: —

Radial Plot or Stereoscopic:

Date: 4/10/52

Control extension by (III): R. J. French

Planimetry

J. P. Battley

Date: May 1952

Stereoscopic Instrument compilation (III):

>Contours: —

Date: —

Manuscript delineated by (III): J. P. Battley

Date: 5/9/52

Photogrammetric Office Review by (III): R. J. French

Date: 5/12/52

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

None

Date: —

Camera (kind or source) (III):

Number	Date	Time	Scale	Stage of Tide
27960	7/31/50	11:08	1/20,000	1.5' above MLLW
27961		11:09		
27962		11:10		

Tide (III)

Reference Station: Dutch Harbor, Alaska
Subordinate Station: Port Clarence, Cape Riley, Alaska
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.2	3.7
	1.2	1.4

Washington Office Review by (IV):

L. Martin Zajick

Date: *June 20, 1952*

Final Drafting by (IV):

S. Dean

Date: *9-11-52*

Drafting verified for reproduction by (IV):

Hallum

Date: *9-26-52*

Proof Edit by (IV):

L. Martin Zajick

Date: *9-29-52*

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

Shoreline (More than 200 meters to opposite shore) (III): *1 1/4* miles

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

Control Leveling - Miles (II): --

Number of Triangulation Stations searched for (II): -- Recovered:

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

Number of Recoverable Photo Stations established (III): --

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

Identified:

Identified:

Remarks:

Summary T-9653

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 northward from CAPE DOUGLAS around CAPE PRINCE OF WALES 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.

SPECIAL COMPILATION REPORT
Map Manuscript No. T-9646
Project Ph-65(50)

The mean high water line and details to illustrate the character of planimetry in the vicinity of station YORK, 1950 have been compiled for this map manuscript from the results of a tentative photogrammetric plot which is described and included in this descriptive report.

The projection of map manuscript T-9646 has been extended westerly to Longitude $167^{\circ} 42'$ in order that a mean high water line could be compiled in an area for which no sheet number had been assigned. (T-9653) Junction was made with T-9645 and T-9647.

Due to this tentative radial plot the previously compiled mean high water line which was recently furnished to the Washington Office on T-9645 between Latitudes $65^{\circ} 30'$ and $65^{\circ} 31' 30''$ has been revised slightly.

For reasons stated in the tentative photogrammetric plot report for this area the mean high water line between Longitudes 167° and $167^{\circ} 50'$ may probably be of sub-normal accuracy.

It is believed that accurate planimetry may be compiled for this area provided additional field identifications are made for stations YORK, 1950, LOST RIVER, 1944, PEAK "EAE", and either PEAK "E" or PEAK "FA".

Form 524 is being submitted showing the scaled position of MID, 1950 which was located by radial intersections in this tentative radial plot. The W.O. scaled the position from H-7838 and held to it in a final laydown. The 524 card shows the H-7838 position.
RJF

Approved:

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

Respectfully submitted:

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

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript T-9653
Project Ph-65(50)

Refer to the Photogrammetric Plot Report for Map Manuscripts T-9645, T-9646 and T-9653 which is filed with T-9646

COMPILATION REPORT
Map Manuscript T-9653

For side headings 31, 32, 33, 34, 35, 36, and 37 refer to the Descriptive Report for Map Manuscript T-9646 Project-65(50)

33. Control for future surveys. - none

39. Junctions. -

Satisfactory junction was made with T-9645 to the North and T-9646 to the East.

40. Horizontal Accuracy. -

This manuscript is midway in the laydown of the final radial plot from Tin City to Kid, and is considered of greater accuracy than the original work submitted as a tentative plot. The shoreline and planimetry are considered adequate.

41. thru 47. Not applicable

48. Geographic Name List.- See next page.

GEOGRAPHIC NAMES

Survey No.

T-9653

Name on Survey

	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	
A	B	C	D	E	F	G	H	K	
<u>Kanauguk River</u>									1
<u>York Mountains</u>									2
<u>Bering Sea</u>									3
<u>York</u>									4
<u>Anikovich River</u>									5
									6
									7
									8
									9
									10
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									24
									25
									26
									27

Names underlined in
red are approved
7-1-52
L. Hoch

REVIEW REPORT T-9653
Planimetric Map
June 30, 1952

62. Comparison with Registered Topographic Surveys:

T-9653 is the first large scale survey of this area and together with the other planimetric maps in this project should serve as a base for any new construction of nautical charts in the area of the SEWARD PENINSULA.

63. Comparison with Maps of Other Agencies:

Reconnaissance Map of SEWARD PENINSULA, USGS, 1:500,000, 1918 reprint 1935.

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

USAF Pilotage Chart (76D) Nome, 1:500,000, August 1949

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

TELLER, Alaska, USGS, 1:250,000 Advance Proof 1951

Examination of the photographs reveals no sign of the coastal trail shown on the latter three maps.

Steep bluffs that descend at precipitous angles directly into the sea at 65° 26.2' latitude and 167° 31.5' longitude would seem to preclude the existence of a coastal trail along this stretch of shore.

There are no field inspection notes to verify the existence, or, the lack of such coastal trail.

Drainage, lakes and other features are shown in greater detail, than is possible at the scale of the above surveys.
on T-9653

64. Comparison with Contemporary Hydrographic Surveys:

None contemporary.

65. Comparison with Nautical Charts:

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

A change of about -10° in azimuth of the position of the shoreline of this survey as compared to the shoreline found on Chart 9380 is to be noted. Also see Item 65 of the Review Report in the Descriptive Report for T-9646.

This comment on the position of the shoreline also applies to the USGS TELLER map, Advance Proof 1951, listed under Item

63 above.

With the change of shoreline there is also a change in the geographic positions of YORK and the mouth of the ANIKOVIK RIVER. In latitude these two features now are more nearly at 65° 29' than at 65° 30.5' as shown on Chart 9380.

66. Miscellaneous:

(a) FIELD INFORMATION - this area and northwestward to and around CAPE PRINCE OF WALES, shoreline inspection and the establishment and identification of horizontal control was accomplished and originally included in Ph-46(49).

(b) FIELD EDIT - none for surveys of this project.

(c) POLITICAL BOUNDARIES - the Territory of Alaska is divided into four judicial divisions and these are then further sub-divided 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.

DECLASSIFIED 3/2/54 RUS

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

(e) Upon the relaying of the second photogrammetric radial plot, with more and adequate control in the area of the adjacent sheets, further compilation inland was completed and the previous shoreline survey of this area was superseded by this planimetric map.

67. Adequacy of Manuscript:

T-9653 complies with project instructions and National Standards of Map Accuracy.

Reviewed by:

L. Martin Gazik
L. Martin Gazik

Approved by:

S. V. Lippitt
Chief, Review Section
Division of Photogrammetry

H. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

Carl O. Heston
Chief, Div. of Coastal Surveys