

9570

Diag. Cht. No. 8802.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

*Planimetric*  
Type of Survey ~~Shoreline~~ (Photogrammetric)  
Field No. 6040 Office No. T-9570

### LOCALITY

Territory Alaska  
~~State~~  
North Shore Alaska  
General locality Peninsula (Bristol Bay)  
Locality Sandy River

1949

### CHIEF OF PARTY

A.N. Stewart, Chief of Party  
Fred Natella, Portland Photogrammetric Office

### LIBRARY & ARCHIVES

**MAY 15 1958**

DATE

9570

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DATA RECORD

T- 9570

Project No. (II): 6040

Quadrangle Name (IV):

Field Office (II): Meshik, Alaska

Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Fred Natella

Instructions dated (II) (III): Nov. 29, 1954)  
Sept. 14, 1955) 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):

MAR 22 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 18 Sept 1957

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

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): STINKO, 1950

Lat.: 56° 12' 28.453" (880.1m) Long.: 160° 24' 16.445" (283.5m)

Adjusted X  
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)

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DATA RECORD

Field Inspection by (II): I. Zirple, R. B. Melby, B. Kurs

Date: Season 1949

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): In stable areas from field locations in 1949 and shown on 1943 nine lens photographs. In unstable areas from office interpretation from 1955 nine lens photographs.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): J. L. Harris

Date: 27 Sept. 1955

Control checked by (III): J. E. Deal

Date: 29 Sept. 1955

Radial Plot or Stereoscopic J. L. Harris  
Control extension by (III):

Date: 9 Nov. 1955

Planimetry  
Stereoscopic Instrument compilation (III):  
Contours

Date:

Date:

Manuscript delineated by (III): C. C. Harris  
Scribed & Stick-up by: C. C. Harris

Date: 3 Jan. 1956  
6 Feb. 1956

Photogrammetric Office Review by (III): J. E. Deal

Date: 24 Feb. 1956

Elevations on Manuscript  
checked by (II) (III): C. C. Harris

Date: 23 Feb. 1956

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

Number	Date	Time	Scale	Stage of Tide
38475 & 38476	7/23/52	17:23	1:20,000	1.9 ft. above M.L.L.W.

Tide (III)

Reference Station: Nushagak Bay )  
 Subordinate Station: Port Moller ) Proportioned  
 Subordinate Station: Egegik River Ent.)

Ratio of Ranges	Mean Range	Diurnal Range
	15.3	19.5
0.92	13.8	18.2
0.55h	7.5	10.6

0.85L

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 108

Shoreline (More than 200 meters to opposite shore) (III): None

Shoreline (Less than 200 meters to opposite shore) (III): 31.4

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2

Recovered: 2

Identified: 1

Number of BMs searched for (II):

Recovered:

Identified: 6 \*

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

\* One has triangulation position

FIELD INSPECTION REPORT

Map Manuscript T-9570

Project 6040

Refer to PROJECT REPORT, "AERIAL PHOTOGRAPH CONTROL AND INSPECTION, ALASKA PENINSULA, ALASKA PROJECT Ph-40(49) July to Sept. 1949", A. Newton Stewart, Chief of Party.

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-9570

Project 6040

Refer to the "PHOTOGRAMMETRIC PLOT REPORT" for Map Manuscripts T-9561, T-9562, T-9564, T-9565, T-9567, T-9570 which is included in the DESCRIPTIVE REPORT for T-9561 and T-9562, Project 6040.

SCALE FACTOR..... none

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DATE 9/22/55



COMPILATION REPORT

Map Manuscript T-9570

Project 6040

Items 31 thru 34

Refer to Descriptive Report for map manuscripts T-9561 and T-9562.

35. Shoreline and Alongshore Details:

The shoreline shown on this map manuscript consists of interior streams only. There was very little field inspection of these streams and the mean high-water lines were delineated by office examination of the photographs. The limits of "wash" areas of streams that appear braided on the photographs have been indicated by a dashed line and the word "wash" lettered within the area.

36. Offshore Details:

There are no offshore details.

37. Landmarks and Aids:

There are none within the limits of this map manuscript.

38. Control for Future Surveys:

None within limits of this map manuscript.

39. Junctions:

Satisfactory junctions have been made with all adjoining map manuscripts.

40. Horizontal and Vertical Accuracy:

There are no areas of sub-normal horizontal accuracy.

Vertical accuracy is not applicable.

41. Computations of Vertical Control Stations:

Vertical control stations shown on T-9570 are:

V-18	Elev.	313 ft.
V-1034	"	211 ft.
V-1035 A	"	251 ft.
V-1035 B	"	251 ft.
V-1036 A	"	115 ft.
V-1036 B	"	115 ft.

Computations of elevations for these stations were made from non-reciprocal zenith distances measured in field and horizontal distances scaled from map manuscripts. The elevations are not shown on the map manuscript.

A separate report will be submitted along with computations and field data for the computation of elevations for vertical control stations for the entire project.

Items 46 and 47.

Refer to Descriptive Report for map manuscripts T-9561 and T-9562.

Approved:



Fred Natella  
Comdr., C&G Survey  
Officer-in-Charge

Respectfully submitted:



J. Edward Deal  
Cartographer

48. Geographic Names:

Geographic names appearing on this map manuscript are:

Alaska Peninsula  
Sandy River

Names approved  
5-20-57  
L. Heck

49. Notes to the Hydrographer:

There are no recoverable topographic stations or photo-hydro stations located within limits of this map manuscript.

Review Report of Planimetric Maps

T-9567 and T-9570

July 1957

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies:

CHIGNIK, ALASKA      1:250 000      1951      USGS

Agreement is as good as scale difference permits.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts:

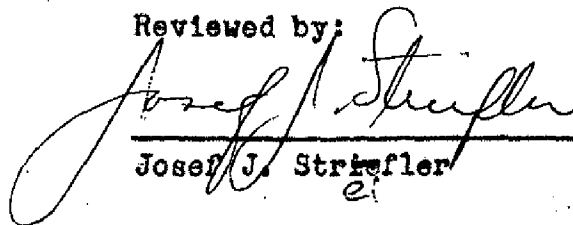
8802      1:1023 188      1956      (7-9)  
9302      1:1534 076

Scale differences are inadequate for conclusive comparison.


66. Adequacy of Results and Future Surveys:


Control and field inspection appear adequate and no inaccuracies are indicated.

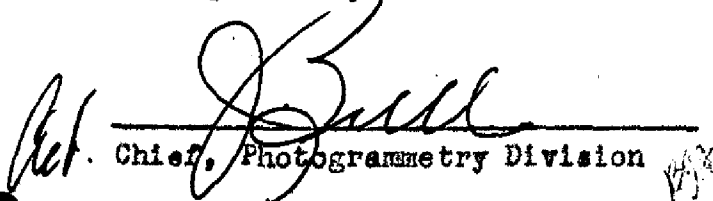
Reviewed by:

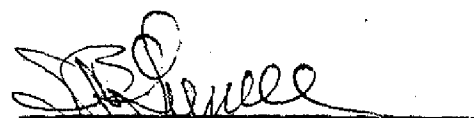
  
Josef J. Streffler

APPROVED:

  
Chief, Review and Drafting Sec.  
Photogrammetry Division

  
Chief, Nautical Chart Branch

  
Chief, Photogrammetry Division

  
Chief, Coastal Surveys

Summary  
to accompany Planimetric Maps  
T-9567 and T-9570

These two surveys are in the vicinity of CAPE KUTUZOF,  
BRISTOL BAY, Alaska Peninsula, Alaska.

Field inspection was accomplished during the season of 1949 with photography of Sept. 1942 and June 1943. Manuscripts were compiled from photography of July 1952 and June 1955. Considerable changes were noted in the later photography along Bristol Bay shoreline, which was compiled from office interpretation only.

T-9567 and T-9570 were scribed in the Portland Office (as were most of the sheets in this project) from pencil compilations. Limited additions and changes were applied directly to the submitted film positives by the reviewer. Contact film negatives and acceptable "Cronar" film positives will be obtained to be filed with the descriptive report in the Bureau Archives.