

11464 THRU 11470

Diag. Chtn. No. 8859.

Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
Type of Survey <u>Shoreline (Photogrammetric)</u>
Field No. <u>Ph-92</u> Office No. <u>T-11464 thru T-11470</u>
LOCALITY
State <u>Alaska</u>
General locality <u>North Shore Alaska Peninsula</u>
Locality <u>Moffet Point to Nelson River</u>
<u>1942-58</u>
CHIEF OF PARTY
<u>N.E.Sylar, Chief of Field Party</u>
<u>F.Natella, Portland Photo. Office</u>
LIBRARY & ARCHIVES
DATE <u>May 1961</u>

COMM-DC 61300

DATA RECORD

2.

T - 11464 thru T-11470

Project No. (II): Ph-92

Quadrangle Name (IV):

Field Office (II): Thornbrough Air Force Base
Cold Bay, Alaska

Chief of Party: Norman E. Sylar

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Fred Natella

Instructions dated (II) (III): 4/14/52 & 5/2/52 (Supp) Field
8/16/54 & 11/29/54 (Ph-40) OfficeCopy 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):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level except as follows: X
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 Reverse Side

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.

T-11464	MARK, 1950			
	Lat. 55° 53'	31.024"	959.5 (896.2)	
	Long. 161° 48'	23.594"	410.1 (632.7)	
T-11465	DODO, 1950			
	Lat. 55° 53'	48.915"	1512.8 (342.8)	
	Long. 161° 39'	20.442"	355.2 (687.4)	
T-11466	CASE, 1952			
	Lat. 55° 46'	25.824"	-798.7 (1057.0)	
	Long. 162° 04'	37.858"	660.0 (386.0)	
T-11467	RIDGE, 1950			
	Lat. 55° 43'	45.438"	1405.3 (450.4)	
	Long. 161° 55'	22.118"	386.0 (661.2)	
T-11468	ANNIS, 1952			
	Lat. 55° 39'	48.200"	1490.7 (364.9)	
	Long. 162° 17'	25.274"	441.8 (607.1)	
T-11469	STIFF, 1952			
	Lat. 55° 32'	57.836"	1788.6 (66.9)	
	Long. 162° 26'	33.457"	586.6 (465.4)	
T-11470	CATHEDRAL, 1952			
	Lat. 55° 34'	42.988"	1329.5 (526.1)	
	Long. 162° 04'	19.637"	344.0 (707.2)	

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

DATA RECORD

4.

Field Inspection by (II): Charles H. Bishop
Harry R. Moore

Date: May to Aug. 1952

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): During May and August 1952 on photographs taken on 1942 and 1943 and on K-20 photographs. Transferred to 1952 and 1954 photographs and then compiled.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): J. L. Harris - J. E. Deal -
L. D. Graves - D. N. Williams

Date: January 5, 1955

Control checked by (III): D. N. Williams

Date: January 6, 1955

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

Date: January 17, 1955

Planimetry

Stereoscopic Instrument compilation (III):

Date:

Contours

Manuscript delineated by (III):
T-11464 - C.C.Harris
T-11465 - J.L.Harris
T-11466 - L.L.Graves
T-11467 - J.L.Harris
T-11468 - L.L.Graves
T-11469 - R.B.Melby
T-11470 - C.C.Harris

Date:

Feb. 14, 1955

Mar. 18, 1955

Date: Jan. 28, 1955

Feb. 15, 1955

Feb. 17, 1955

Feb. 10, 1955

Feb. 8, 1955

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

Date: Feb. & Mar. 1955

Elevations on Manuscript None
checked by (II) (III):

Date:

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

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
14267 thru 14273	✓ 6/9/43	14:30	1:20,000	8.0 ft. above M.L.L.W.	
37462 thru 37474	✓ 6/11/52	15:20	1:20,000	0.6 ft. below M.L.L.W.	
38453 thru 38467	7/23/52	17:00	1:20,000	1.8 ft. above M.L.L.W.	
45802 thru 48816	✓ 8/14/54	13:55	1:20,000	0.2 ft. below M.L.L.W.	

Tide (III)

Reference Station: Nushagak Bay, Clark Point
 Subordinate Station: Port Moller, (Entrance Pt.)
 Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Range
		Range
0.6 h	12.5	17.0
0.9 i	7.5	10.6

Washington Office Review by (IV):

Date: April 1960

Final Drafting by (IV):

Date: Jan - March 1955

Drafting verified for reproduction by (IV):

Date: April 1960

Proof Edit by (IV):

Date: October 1960

Land Area (Sq. Statute Miles) (III): 35.0

Shoreline (More than 200 meters to opposite shore) (III): 78.0 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 45.0 statute miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 6

Number of Temporary Photo Hydro Stations established (III): 2

Remarks:

SUMMARY
TO ACCOMPANY
SHORELINE MANUSCRIPTS
T-11464 thru T-11470

Subject manuscripts, seven (7) shoreline surveys, represent the northern portion of PH-92. The project is located in the State of Alaska and covers the west coast and offshore islands of the Alaska Peninsula from Unimak Island northeasterly to the 56° latitude line near Lagoon Point.

The project was assigned to and completed by the Portland Photogrammetric Office. Instructions originated in April 1952. The seven map manuscripts were compiled during February and March of 1955, based on nine-lens photography of June 1943 to August 1954 and field inspection during the season of 1952. Advance shoreline information and control was made available in support of hydrographic surveys of 1958. The hydrographic party accomplished at the same time a limited field edit (see item #66 of the Review Report).

Cronar film positives at the compilation scale of 1:20,000 and a combined Descriptive Report will be registered and filed in the Bureau Archives.

June 1960

FIELD INSPECTION REPORT

Map Manuscripts T-11464 thru T-11470

Project Ph-92

Refer to:

Seasons Report, Project Ph-92 (G-1119), Norman E. Sylar,
Chief of Party.

Field Inspection Report, Project Ph-92, dated 1952.

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts T-11464 thru T-11470

Project Ph-92

21. Area Covered:

This radial plot covers the North Shore of the Alaska Peninsula from Moffet Pt. to Nelson River. It includes map manuscripts T-11464 thru T-11470.

Items 22 thru 25:

Methods and conditions are similar to those described in the Photogrammetric Plot Report for T-11472 thru T-11477 and T-11479 which is included in the Descriptive Report for T-11472 thru T-11477.

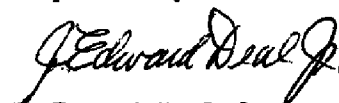
A satisfactory junction between Project Ph-92 and Project Ph-40 was completed at the Baltimore, Maryland Photogrammetric Office and furnished this office

Approved and forwarded:



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

Respectfully submitted:



J. Edward Deal Jr.
Cartographer
USC&GS

SCALE FACTOR.....None...

1 FT. = .3048006 METER
COMPUTED BY: J.L.H.
DATE 12/25/54
CHECKED BY: L.L.G.
DATE 12/31/54
COMM-DC-5784

MAP T-11166.

PROJECT NO. Ph-92.

SCALE OF MAP..... 1:20,000.....

SCALE FACTOR:

None.

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: J.L.H.

DATE 12/1/54

CHECKED BY: L.L.G.

DATE 12/29/54

COMM-DC-5784

SCALE FACTOR None

1 FT. = 3048008 METER
COMPUTED BY: J.L.H.
DATE 12/1/54
CHECKED BY: L.L.G.
DATE 12/29/54
COMM-DC-5784

COMPILATION REPORT

Map Manuscripts T-11464 thru T-11470

Project Ph-92

Items 31 thru 36:

Methods and conditions are similar to those described in the Compilation Report for map manuscripts T-11472 thru T-11477, Project Ph-92 (1952).

37. Landmarks and Aids:

Forms 567 have been submitted for the entire project.

38. Control for Future Surveys:

Forms 524 for Recoverable Topographic stations have been submitted as follows:

T-11464 - 1
T-11465 - 2
T-11467 - 1
T-11468 - 1
T-11469 - 1

A list of recoverable topographic stations has been prepared for each map manuscript and included in this report under Item 49, "Notes to the Hydrographer". Copies will be forwarded to the Ship PATHFINDER along with the photographs.

39. Junctions:

Complete and satisfactory junctions between all map manuscripts covered by this report and with Project Ph-40 have been made.

40. Horizontal Accuracy:

There are no areas believed to be of sub-normal horizontal accuracy..

Vertical accuracy is not applicable.

41. Computation of Vertical Control Stations:

The computations of elevations from nonreciprocal observations has been completed and forwarded to the Washington Office.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. Fort Randall, Alaska quadrangle, edition of 1950, scale 1:250,000.

Comparison was made with U.S.G.S. Port Moller, Alaska quadrangle, edition of 1953, scale 1:250,000.

47. Comparison with Nautical Charts:


Comparison was made with Nautical Chart No. 8860, scale 1:300,000 at Lat. $54^{\circ} 20.5'$ published December 12, 1942 (12th edition) last corrected 7/20/53.

Comparison was made with Nautical Chart No. 8701, scale 1:80,660 at Lat. $54^{\circ} 50'$ published February 1943 (6th edition) last corrected 3/17/52.

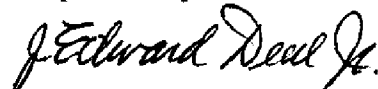
"Items to be applied to nautical charts immediately". None.

"Items to be carried forward". None.

Approved and forwarded:


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

Respectfully submitted:


J. Edward Deal Jr.
Cartographer
USC&GS

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bristol Bay

Franks Point

* F.G.N. Decision

George D. Bace
GEOGRAPHIC NAMES SECTION
16 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bristol Bay

Caribou River

Nelson Lagoon

Nelson River

* B.G.N. Decision

George W. Bee
GEOGRAPHIC NAMES SECTION
16 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bering Sea

Cape Lieskof

* B.G.N. Decision

George S. Bee
GEOGRAPHIC NAMES SECTION
16 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bristol Bay

Steelhead Creek

* B.G.N. Decision

George DuBale
GEOGRAPHIC NAMES SECTION
16 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bering Sea

*Cape Leontovich
Cape Leontovich Creek
Cathedral River

* P.G.N. Decision

George M. Ball
GEOGRAPHIC NAMES SECTION
116 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bering Sea

North Creek

* B.G.N. Decision

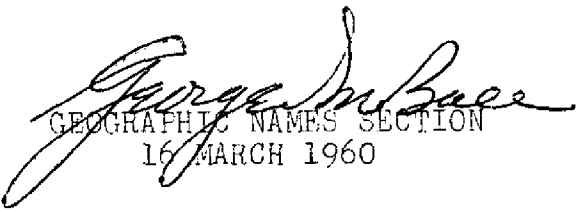
George W. Ball
GEOGRAPHIC NAMES SECTION
16 MARCH 1960

GEOGRAPHIC NAMES LIST

*Alaska Peninsula

Cape Leontovich Creek
Cathedral River
Cathedral Valley

* B.G.N. Decision


GEOGRAPHIC NAMES SECTION
16 MARCH 1960

Map Manuscript T-11464

49. Notes to the Hydrographer

One photo hydro signal was located at the compilation office
namely:

No. 231 - Photo No. 14270 - N.W. gable of small cabin
on the shoreline.

One recoverable topographic station was located for which
Form 524 is submitted namely:

RAGE, 1952

Map Manuscript T-11465

49. Notes to the Hydrographer:

One photo hydro signal was located at the compilation office namely:

No. 230 - Photo No. 14274 - North gable of cabin

Two recoverable topographic stations for which forms 524 are submitted were located at the compilation office namely:

LAKE, 1950

SAND, 1950

Map Manuscript T-11466

49. Notes to the Hydrographer:

No photo hydro signals or recoverable topographic stations were located at the compilation office.

The shoreline along the Bering Sea is apparently subject to continual change and the delineation of this feature has been made from the 1954 photographs, which were taken at about low-water.

Map Manuscript T-11467

49. Notes to the Hydrographer:

No Photo hydro signals were located on this manuscript at the compilation office.

Form 524 is submitted for recoverable topographic station WOLFE, 1952.

The shoreline between triangulation station ROCK, 1952 and recoverable topographic station WOLFE, 1952 is being subjected to considerable erosion. The mean high-water line was delineated from 1954 photography. Area immediately adjacent was delineated from 1952 photography because of better photo definition.

Map Manuscript T-11468

49. Notes to the Hydrographer:

No photo hydro stations were located at the compilation office.
One recoverable topographic station namely:

BART, 1952 was located and Form 524 has been submitted.

The streams shown on the manuscript appear as drainage only
on the nautical chart.

Map Manuscript T-11469

49. Notes to the Hydrographer:

There were no photo hydro signals located at the compilation office in the area of this map manuscript.

One recoverable topographic station namely CRAB, 1952 was located and form 524 is submitted. Several triangulation stations located along the shoreline are also available for use in the hydrographic survey.

It will be found practically impossible to identify, along the shoreline, identical image points that are common to both the 1952 and 1954 photography. Photograph detail will be found to be more clearly defined on the 1952 photography (37,000 series) and it is suggested that these photographs be used for the photogrammetric location of any photo hydro signals.

Map Manuscript T-11470

49. Notes to the Hydrographer:

There were no photo hydro signals or recoverable topographic stations located by radial intersection at the compilation office.

Cathedral River and Cape Leontovich Creek appear as drainage only and are not named on Nautical Chart No. 8860.

REVIEW REPORT
OF
SHORELINE MANUSCRIPTS
T-11464 thru T-11470
June 1960

62. Comparison with Registered Topographic Surveys

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies

Port Moller, Alaska 1:250,000 1953 U.S. Geological Survey
Fort Randall, Alaska 1:250,000 1950 U.S. Geological Survey

There is good agreement between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

H-8432	1:20,000	1958
H-8433	1:20,000	1958
H-8434	1:20,000	1958
H-8485	1:20,000	1959
H-8486	1:20,000	1959

There is no shoreline shown on H-8434 (not yet completed); however, the corresponding shoreline of subject manuscripts does not interfere with the pencilled hydrographic information shown. The remaining listed hydrographic surveys are in good agreement with subject T-sheets.

65. Comparison with Nautical Charts

8859	1:300,000	Revised to 12/1/58
8802	1:1,023,188	Revised to 12/21/59

There are no discrepancies between these charts.

66. Adequacy of Results and Future Surveys

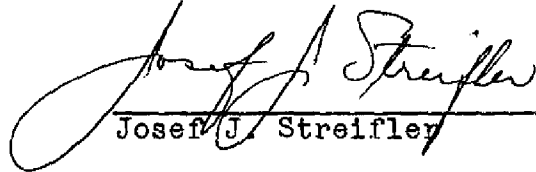
Surveys T-11464 thru T-11469 were subjected to a limited completion survey by the hydrographic party. T-11470 had no completion survey. This field edit was accomplished intermittently only by visual comparison and interior features viewed while recovering control. For that reason only those revisions were applied, where the original

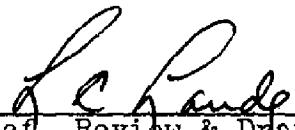
- 2 -


66. Adequacy of Results and Future Surveys continued

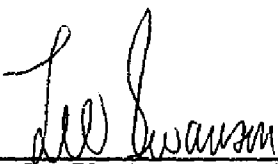
compilation appeared in error or was incomplete; and not those caused by natural changes. Subject surveys are within the requirements of adequacy and accuracy.


Reviewed by:


 Josef J. Streifler


 Chief, Review & Drafting Sec.
 Photogrammetry Division


 Chief, ~~Nautical Chart Branch~~
~~Charts Division~~ Nautical Chart Division
 5/18/61 Office of Cartography


 Chief, Photogrammetry Division
 7 April 1961


 Chief, Coastal Surveys Division
 Assistant Director for Oceanography

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11464 thru 11470.

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.