9041 9042

9041 9042

Diag. Cht. No.8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-8 (46) Office No. T-9041 T-9042

LOCALITY

State TERRITORY OF ALASKA

General locality BRISTOL BAY

Locality NUSHAGAK BAY, NUSHAGAK RIVER, AND WOOD RIVER

194 8

CHIEF OF PARTY

A.N.Stewart, Chief of Field Party.
W.H.Rainbridge, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE Jan - 11 - 1953

B-1870-1 (1)

DATA RECORD

T-9041

Project No. (II): Ph-8(46) Quadrangle Name (IV):

Field Office (II): Nushagak Peninsula, Alaska and Ship "PATHFINDER" Chief of Party: A. Newton Stewart, 1947 & '48; R.F.A. Studds, 1948

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: W.H. Bainbridge

Instructions dated (II) (III): 19 March 1948 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): 5-31-49 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 11 March. 1953

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): Mean ~~Higher~~ High Water ~~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

The difference between Unadjusted Datum and N.A. 1927 Datum is Lat. plus/~~minus~~ 3.1m. and Long. ~~plus~~/minus 9.8m.

Reference Station (III): DILLINGHAM 1947

Lat.: 59° 03' 45.~~461~~.559" 1409.~~7~~.8 m (448.~~8~~.6.9 m) Long.: 158° 28' 06.~~861~~.252" ~~109.4~~ 99.6 m (8~~46~~.8 56.6 m) Adjusted ✓ Unadjusted ✗

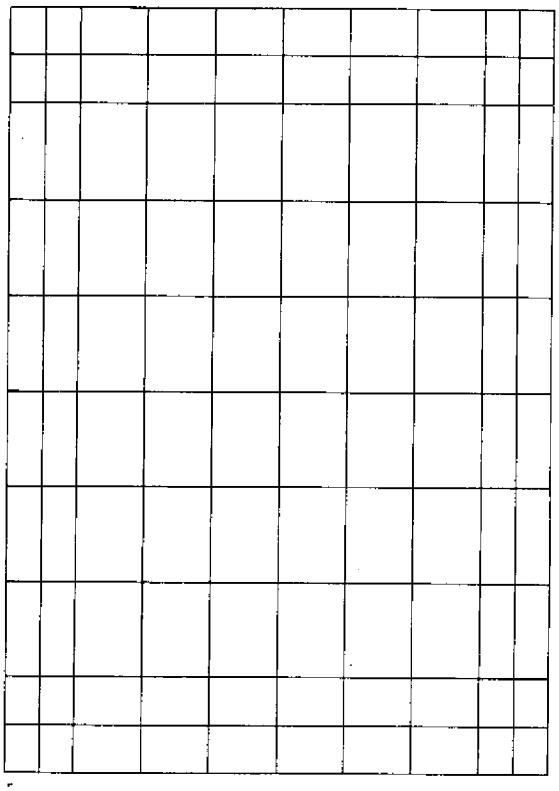
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

Planimetric

DATA RECORD

Field Inspection by (II): Lt. Comdr. A. Newton Stewart
Ship "PATHFINDER"
Date: Season 1947 & '48
Season 1948

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): High-water line located during the season of 1947 on the 1947 field photographs. Subsequent location of high-water line was made in June 1948 on the 1947 photographs.

Projection and Grids ruled by (IV): Date:

Projection and Grids checked by (IV): Date:

Control plotted by (III): Frank H. Elrod Date: 4/12/48

Control checked by (III): Roy A. Davidson Date: 4/13/48

Radial Plot or Stereoscopic Control extension by (III): J.E. Deal and James L. Harris Date: 6/14/48

Stereoscopic Instrument compilation (III):
Planimetry Date:
Contours Date:

Manuscript delineated by (III): Carita C. Wiebe Date: 2/7/49

Photogrammetric Office Review by (III): Ree H. Barron Date: 2/8/49

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

M-2618-12(4)

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
51 to 20453 * Incl.	8-23-47	12:16	1:20,000	3.0 ~~1.0~~ ft. above M.L.L.W.
23257 and 23258	9- 1-48	14:30	1:20,000	4.2 ft. above M.L.L.W.
23283 to 23287 Incl.	9- 1-48	14:55	1:20,000	3.2 ft. above M.L.L.W.
23320 to 23323 **Incl.	9-1-48	~~14:06~~ 15:28	1:20,000	~~6.0~~ 3.1 ft. above M.L.L.W.

Note: * No. 20453 is very badly tilted (approximately 19 degrees)
** No's. 23320 to 23323 Incl. are apparently erroneously listed, as to time or date, in the time data furnished by the Washington Office. (See time and date for 23233, 23234, etc.) 23317 & 23 = 15:25 & 36 ok

Tide (III)

Predicted Tide Tables Pacific Ocean and Indian Ocean 1947 and 1948

Reference Station: NUSHAGAK BAY (Clarks Point)

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
	15.2	19.5

Washington Office Review by (IV): Lina T. Stevens Date: 28 March, 1952

Final Drafting by (IV): Hunter Date:

Drafting verified for reproduction by (IV): Jean Breeze Date: 7/29/52

Proof Edit by (IV): W.O. Hallum Date: 10-27-52

Land Area (Sq. Statute Miles) (III): 89.7

Shoreline (More than 200 meters to opposite shore) (III): 27.8 Statute Miles

Shoreline (Less than 200 meters to opposite shore) (III): 15.7 Statute Miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 4 Recovered: 4 Identified: 4

Number of BMs searched for (II): 0 Recovered: 0 Identified: 0

Number of Recoverable Photo Stations established (III): 2 by radial plot and 1 by triangulation intersections. (8 others have been submitted by the Ship "PATHFINDER")

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

Remarks:

M-2618-12(4)

DATA RECORD

T-9042

Project No. (II): Ph-8(46) Quadrangle Name (IV):

Field Office (II): Nushagak Peninsula, Alaska and Ship "PATHFINDER"
Photogrammetric Office (III): Portland, Oregon

Chief of Party: A.N. Stewart, 1947 & 1948
R.F.A. Studds, 1948
Officer-in-Charge: W.H. Bainbridge

Instructions dated (II) (III): 19 March 1948

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):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date:

Date registered (IV): 11 March 1953

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): Mean ~~Sea Level~~ ~~Higher~~ High Water

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

The difference between Unadjusted Datum and N.A. 1927 Datum is Lat. plus/[redacted] 1.5 m. and Long. [redacted]/minus 9.8 m.

Reference Station (III): MUKLUNG 1947

Lat.: 59° 05' 41.~~453~~ .500 1282.~~7~~ 4.2 m (57~~3.9~~ 2.5 m)

Long.: 158° 04' 3~~5.089~~ 4.471" 5~~08.1~~ 48.9 m (~~396.7~~ 406.6 m)

Adjusted ✓
~~Unadjusted~~ ~~H~~

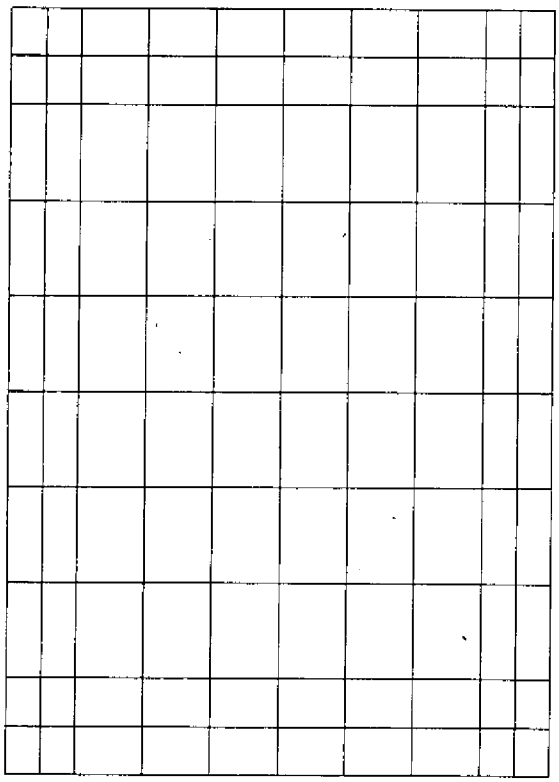
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

Planimetric

DATA RECORD

Field Inspection by (II): Lt. Comdr. A. Newton Stewart and Ship "PATHFINDER" — Date: Seasons 1947 & '48 Season 1948

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): The mean high-water line was located on the 1948 photographs with the use of the stereoscope and by comparison with adjacent similar areas which had been field inspected.

Polyconic sp'l, local computation.
Projection and Grids ruled by (IV): Ruling Machine, Stephen Rose — Date: 22 April, 1948

Projection and Grids checked by (IV): — Date:

Control plotted by (III): Helen Laube — Date: 11- 1-48

Control checked by (III): Roy A. Davidson — Date: 11- 3-48

Radial Plot or Stereoscopic Control extension by (III): James L. Harris and J. E. Deal — Date: 11-19-48

Stereoscopic Instrument compilation (III):
Planimetry — Date:
Contours — Date:

Manuscript delineated by (III): John Winniford — Date: 1-31-49

Photogrammetric Office Review by (III): Ree H. Barron — Date: 2- 7-49

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

M-2618-12(4)

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
23218 and 23219	9-1-48	13:50	1:20,000	7.0 ft. above M.L.L.W.
23243 to 23246 Incl.	9-1-48	14:10	1:20,000	6.0 ft. above M.L.L.W.
23259 and 23260	9-1-48	14:30	1:20,000	4.2 ft. above M.L.L.W.

Tide (III)

Predicted Tide Tables Pacific Ocean and Indian Ocean 1948 & 1949

Reference Station: NUSHAGAK BAY (Clarks Point)

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	~~Spring~~ Diurnal Range
	15.2	19.5

Washington Office Review by (IV): Lena T. Stevens Date: 28 March 1952

Final Drafting by (IV): Eleanor Hunter Date: 7-2-52

Drafting verified for reproduction by (IV): Sylvia Dean - R M Brown Date: 7-2-52 7/29/52

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 102

Shoreline (More than 200 meters to opposite shore) (III): 16.3 Statute Miles

Shoreline (Less than 200 meters to opposite shore) (III): 18.4 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): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

M-2618-12(4)

SUMMARY TO ACCOMPANY T-9041 & T-9042

Project Ph-8(46) vicinity of Bristol Bay, Alaska, consists of 44 topographic, ~~27~~ 23 planimetric, and 2 shoreline surveys.

The topographic surveys extend from 158° 40' (east shore Nushagak Peninsula) to 162° 20' (Cape Newenham).

The eastern portion of the project is divided into Part A, 156° 38' (Kvichak River) to 158° 40' (Nushagak Bay) where the topographic surveys begin, and Part B, the most southerly part of the project, consisting of two shoreline maps of the Egegik River from Bristol Bay to Becharof Lake. Part A is the planimetric sub-project.

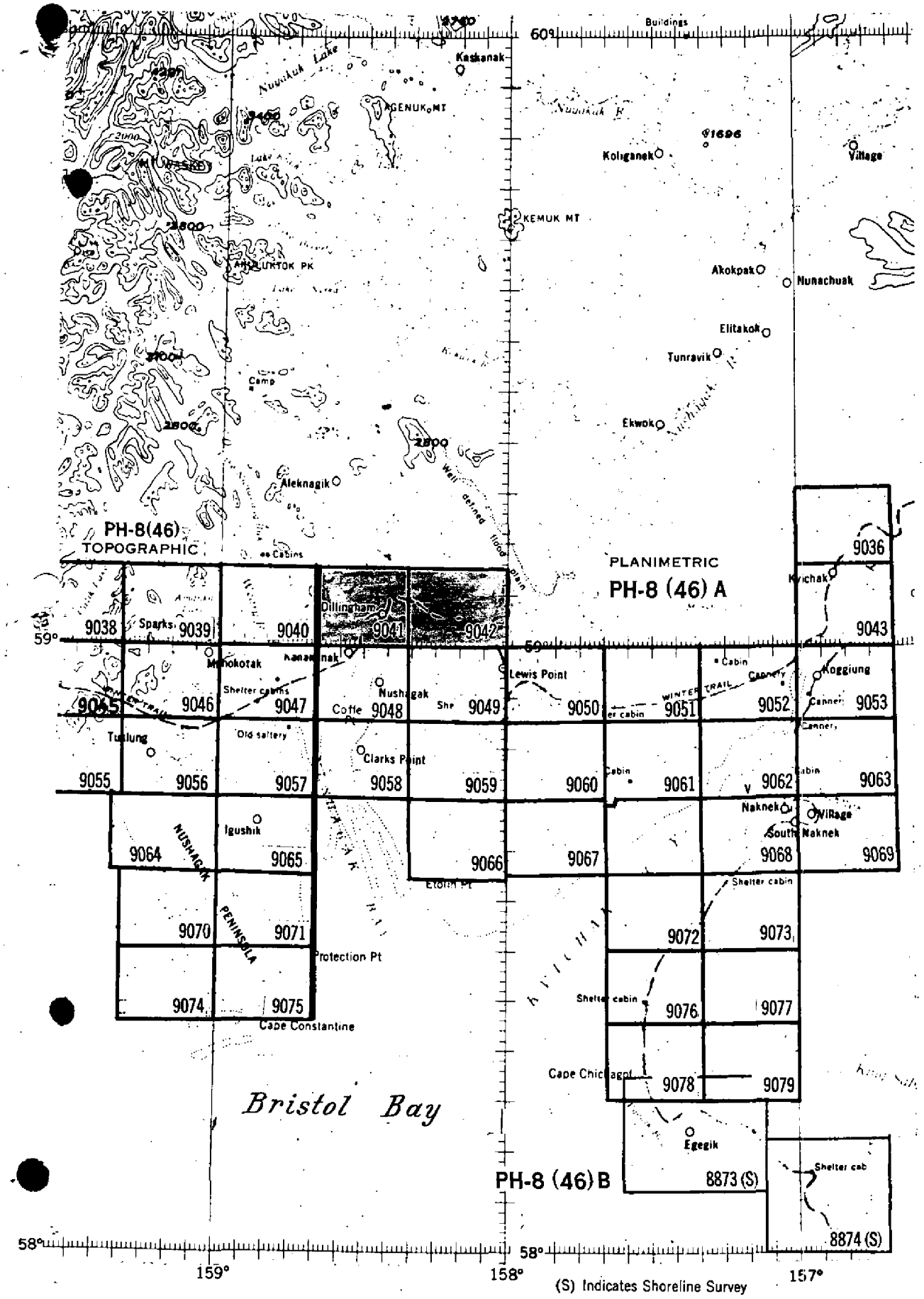
T-9041 and T-9042 are the most northwesterly of the planimetric group. T-9041 includes the northern end of Nushagak Bay where Wood River and Nushagak River enter the Bay. T-9042 extends east along the Nushagak River.

The fishing and canning industries are well developed in this vicinity. There are several permanent settlements in the area of T-9041 - Wood River, Dillingham, Nelsonville (formerly Dillingham) and Kanakanak, where a hospital is situated. Numerous dwellings are along the road from Dillingham to Kanakanak.

Field work in the area of the planimetric maps from about 157° 30' to and including Nushagak Peninsula was carried forward cooperatively by the photogrammetric party under A. Newton Stewart, the triangulation reconnaissance party under Wm. W. Husemeyer, and the triangulation observation party under Curtis LeFever. Four 1909-10 stations were recovered on the eastern side of Nushagak Peninsula and the 1947 control was thus tied into the 1909-10 work. No additional search was made for 1909-10 stations, the 1947 control being sufficient for the new project.

PLANIMETRIC AND SHORELINE MAPPING PROJECT PH-8 (46) A-B

ALASKA, Vicinity of Bristol Bay



(S) Indicates Shoreline Survey

FIELD INSPECTION REPORT
Map Manuscripts No's. T-9041 and T-9042
Project Ph-8(46)
Area of the 1st Radial Plot

The field inspection of the area consisted generally of the identification of the mean high-water line and adjacent foreshore and backshore areas by the party of Lt. Comdr. A. Newton Stewart during the 1947 season. Pertinent data on photographic interpretation of planimetric details was obtained during various conferences between Lt. Comdr. Stewart and personnel of the compilation office during February and March 1948. During this period photographs were examined under the stereoscope, the character of the country was discussed and notes were made on the photographs to clarify the detail for the compilers. At this time Lt. Comdr. Stewart was requested to make additional shoreline inspection in several questionable areas in the vicinity of Nushagak Bay, when he returned to Alaska for the 1948 season. This data was furnished the compilation office in June 1948.

The original field inspection in the area is discussed in the "Project Report, Aerial Photograph Control and Inspection, Bristol Bay, Alaska, Project Ph-8(46) May to September 1947" submitted by Lt. Comdr. A. Newton Stewart.
Library: Season's Report No. 138 (1947)

During the season of 1948 the Ship "PATHFINDER" located recoverable topographic stations in this area. (see p 5)

W.H. Bainbridge
W.H. Bainbridge
Comdr.-USC&G Survey

COMPILATION REPORT
Map Manuscripts T-9041 and T-9042
Project Ph-8(46)

26: CONTROL:

For a discussion of the horizontal control of T-9041 refer to the descriptive report for T-9058.

For a discussion of horizontal control in T-9042 refer to descriptive report for T-9059 and T-9060.

The horizontal control stations in the area of these two map manuscripts have been listed on Form M-2388-12 which is attached to this descriptive report.

27: RADIAL PLOT:

Map manuscript T-9041 was included as part of a combined radial plot, comprising T-9040, T-9041, T-9047, T-9048, T-9057, and T-9058 and made with 9 lens unmounted photographs. Facts relative to this radial plot are contained in the descriptive report for T-9058. In accordance with instructions dated 4 February 1949 the radial plots for T-9047 and T-9057 are now in the process of being re-run, using metal mounted photographs.

Map manuscript T-9042 was included as part of a combined radial plot comprising T-9042, T-9049, T-9050, T-9059, T-9060, T-9066, and T-9067 and made with 9 lens unmounted photographs. Facts relative to this radial plot are contained in the descriptive report for T-9059 and T-9060.

28: DETAILING:

These map manuscripts were compiled in accordance with instructions for Project Ph-8(46). Features and symbols were shown as indicated in Photogrammetry Instructions No's. 10, 12, and 17 and in a special symbol of hachures, furnished by the Washington Office.

Operations, methods and other facts pertaining to detailing these map manuscripts are in general similar to those described for other map manuscripts in Project Ph-8(46). Refer to Item 28: "Detailing" paragraphs 1, 2, 5, 6, and 9, reports for T-9051 and T-9052 and for T-9066 and T-9067.

Additional facts are:

The planimetry was detailed entirely from photographs taken in 1948.

The most prominent ridges and knolls in the area have been detailed.

A large part of the area of T-9041 is covered by small coniferous trees.

There are not as many ponds and lakes in the area as are found in adjacent map manuscripts to the south and east.

The drainage pattern is, for the most part, definite and could be easily determined by stereoscopic study of the photographs.

29: SUPPLEMENTAL DATA:

No supplemental data were furnished in the area of this map manuscript.

30: MEAN HIGH-WATER LINE:

In the area of T-9041 the location of the mean high-water line was indicated on the 1947 field photographs by the field inspection party at several places along the shoreline. When Lt. Comdr. Stewart returned to Alaska for the 1948 field season he obtained additional data on the location of the mean high-water line which was submitted to this office in June 1948. 20451 20452

There was no field inspection of the mean high-water line in T-9042. For this map manuscript the mean high-water line was delineated by comparison with similar areas in T-9041 which had been field inspected.

The mean high-water line bordering firm ground has been shown by a continuous black acid ink line .012" in thickness. At places where the mean high-water line is indefinite the line has been dashed. There are no marsh areas bordering the mean high-water line.

31: LOW-WATER AND SHOAL LINES:

Mud flats, which probably bare at low-water, have been shown.

A small shoal area, indicated by field inspection has been shown.

32: DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

There are no details offshore from the mean high-water line.

33: WHARVES AND SHORELINE STRUCTURES:

The wharves and other shoreline structures at the town of Dillingham have been shown. They were delineated by office inspection of the photographs.

34: LANDMARKS AND AIDS TO NAVIGATION:

In January 1948 Lt. Comdr. A.N. Stewart recommended several objects at Dillingham for charting. In December 1948 the Ship "PATHFINDER" submitted a copy of Form 567 to this office on which they recommended these same objects and additional objects in the area to be charted as landmarks for charts. Geographic positions of the objects were included in the recommendations. ch. Let. No. 70 (1949)

In view of these facts it is assumed that these features have been fully investigated and the recommendations submitted to the Washington Office.

The scaled sextant fix position submitted by the Ship "PATHFINDER" for the landmark TREE (Topo. Station TIP 1948) in the area of T-9041 could not be held in the radial plot. The Ship "PATHFINDER" was notified of this difficulty on 14 February 1949. In the reply, contained in a letter dated 16 February 1949, File 91/EHS/ccj, a copy of which was sent to the Director, they accepted the scaled radially plotted position for this station which is: -

Lat.	59°	05'	1008 m	(849 m)
Long.	158°	23'	124 m	(832 m)

35: HYDROGRAPHIC CONTROL:

During the season of 1947 the field party of Lt. Comdr. A. Newton Stewart selected 4 objects to be radially plotted as temp-

orary hydrographic signals in the area of T-9041. It developed that one of these had been located as a triangulation station in 1948 and one other had been located by planetable methods in 1948 as a recoverable topographic station. No hydrographic signals were selected for radial plotting in the area of T-9042. Attached to this report is a list giving a description of the two hydrographic signals that were radially plotted.

36: LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids in this area.

37: GEOGRAPHIC NAMES: 854 LA

Geographic names shown on these map manuscripts were obtained from a special report on "Geographic Names, Bristol Bay, Alaska," dated 19 December 1947, submitted by Lt. Comdr. A.N. Stewart.

In 1948 the Ship "PATHFINDER" submitted corrections and additions to these geographic names in the area of T-9041. This information is contained on an ozalid print of T-9041 which is being forwarded with this map manuscript.

38: RECOVERABLE TOPOGRAPHIC STATIONS:

Forms 524 are being submitted for the following stations in T-9041 which were identified for radial plotting as recoverable topographic stations by Lt. Comdr. A.N. Stewart in 1947.

They are: -

YEAR 1947
2' RICE 1947] filed under T-9041
75' PLUM 1947]

In 1948 station YEAR 1947 was located by triangulation methods and it was used as a horizontal control station during the running of the radial plot.

Additional recoverable topographic stations located with planetable methods by the Ship "PATHFINDER" in 1948 are shown.

They are: - Forms 524 filed under T-7086

*TIP 1948		QUO 1948	200'	above HW
FIX 1948	60'	HAG 1948	120'	"
DAW 1948	150'	JAP 1948	80'	"
MAG 1948	20'	KED 1948	60'	"

*See Item 34 of this report relative to station TIP 1948. The scaled planetable positions of the others, which are all natural objects, are in agreement with the scaled radially plotted positions of the objects. See Review Report, 64

Described in Des. Rept. T-7086B

For the area of T-9042, Lt. Comdr. A. N. Stewart submitted descriptions for stations SAND 1947 and NECK 1947 as recoverable topographic stations. These stations were subsequently located with triangulation methods by Lt. Comdr. LeFever in 1947 and in 1948 they were recovered and described by the Ship "PATHFINDER". Station NECK 1947 was used for a horizontal control station in the radial plot. Forms 524 are not being submitted for these stations.

39: JUNCTIONS:

Complete and satisfactory junctions have been made between these map manuscripts and adjacent map manuscripts.

44: COMPARISONS WITH EXISTING TOPOGRAPHIC SURVEYS:

A visual comparison was made with a topographic map of Nushagak District, Alaska, U.S. Geological Survey, Scale 1:250,000, dated 1930-31. The general appearance of the area is in agreement. The topographic features of the USGS map are approximately three minutes to the eastward of those on the map manuscripts. This may be due entirely to the change made in datums since the topographic map was compiled.

45: COMPARISONS WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart No. 9050, Scale 1:150,000. Since most of the planimetry common to the chart and these two map manuscripts is shown as indefinite on the chart it is believed that all planimetry on the map manuscripts should supercede that shown on the chart.

A visual comparison was made with Nautical Chart No. 8802, Scale 1:1,023,188 at Lat. 56° 00'. In general the planimetry of the chart and map manuscripts seem to be in agreement. There is additional planimetry shown on the map manuscripts which should be added to the chart.

Approved:

W.H. Bainbridge
Comdr.-USC&G Survey
Chief of Party

Respectfully submitted;

J. Edward Deal Jr.

J. Edward Deal, Jr.
Photogrammetric Engineer

26 May 1949

HYDROGRAPHIC SIGNAL SITES
Project Ph-8(46)
Nushagak Bay
Sheets No's. T-9041 and T-9042

T-9041

#4101
Formerly #207 — Same as Recoverable Topographic Station QUO 1948.

#4102
Formerly #206 — Same as Triangulation Station DILLINGHAM BRISTOL BAY PACKING CO. (Center of 4 red tanks).

#4103
Formerly #210 — The station is the south gable of the main cannery building of the Pacific Fisheries Cannery. The building extends the farthest southward of the group.

#4104
Formerly #205 — The station is the shore gable of the farthermost north of the cannery buildings (and on piling) in Wood River. A dock is on the north and west side of the building proper.

T-9042

None

MAP T-9041 PROJECT NO. Fh-8(46) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
DILLINGHAM	G-7328	N.A.	59° 03' 45.461"	1406.7	(449.9)				Used in radial	
1947	Page 3	1927	158° 28' 06.864"	109.4	(846.8)				plot.	
DILLINGHAM AZ.	G-7328	N.A.	59° 02' 26.452"	818.5	(1038.1)				" " "	
MARK 1947	Page 5	1927	158° 27' 26.837"	428.0	(528.9)				"	
DILLINGHAM BBP	G-7328	N.A.	59° 02' 14.000"	433.2	(1423.4)				" " "	
Co. (Center of 4	Page 7									
Red Tanks) 1947	See note	1927	158° 28' 44.132"	703.9	(253.1)				"	
	G-7328	N.A.	59° 04' 07.803"	241.5	(1615.2)				Used in radial	
YEAR 1947	Page 7	1927	158° 22' 07.432"	118.4	(837.6)				plot	
			T-9042							
				T-9042						
MUKLUNG	G-7328	N.A.	59° 05' 41.453"	1282.7	(573.9)				Used in radial	
1947	Page 3	1927	158° 04' 35.089"	558.7	(396.7)				plot	
	G-7328	N.A.	59° 00' 30.788"	952.7	(903.9)				" " "	
NECK 1947	Page 7	1927	158° 10' 22.470"	358.7	(599.1)				"	
	G-7328	N.A.	59° 02' 02.768"	85.7	(1770.3)				Not used in	
SAND 1947	Page 7	1927	158° 16' 25.853"	412.4	(544.7)				radial plot	

*Previously named in list of ~~geographic positions as~~ Dillingham, Skinner & Eddy ~~Cannery, Center of 4 Red Tanks~~

The name on the map manuscript has been changed to agree with the G listing. The position is a field computation. When final computation is made the name should be changed to conform to the description given by REA Studds in 1948. (Ro 83 p.10)

1 FT. = .3048006 METER

COMPUTED BY: F.H. Elrod, H. Laube — DATE: 5/18/48, 11/1/48

CHECKED BY: J.L. Harris, G. Richter — DATE: 5/20/48, 11/1/48

M-2388-12

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED | STRIKE OUT ONE
~~TO BE DELETED~~

Washington, D. C. April 8, 1952

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

The positions given have been checked after listing by K. N. Maki

S. V. Griffith
Chief of Party.

STATE			POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
TANK		Fix	59 04	233.1 230	158 26	313.2 323	NA 1927	T-9041 Red.Plot	1948				9050
HOUSE		Hag	59 02	640.1 637	158 27	170.2 180	"	"	"				"
BUILDING		Jap	59 02	756.1 753	158 27	584.2 594	"	"	"				"
BARN		Mag	59 01	1827	158 30	794	"	"	"				"
CHIMNEY		Quo	59 00	83	158 32	00	"	"	"				"
TREE		Tip	59 05	1004	158 23	124	"	"	"				"
TWIN TANKS		Ked	59 02	665.1 662	158 28	4.2 14	"	"	"				"

These are the positions of the landmarks on T-9041. In no case do they agree with those on T-7086, from which Chart Letter No. 70 (1949) was made. LTS. March, 1952

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 sheets. Information under each column heading should be given.

T-9041.

Geographic Names.

Alaska	Bristol Bay (for title)
Nushagak Bay	
Nushagak River	
Bradford Point	
Cannery Creek	
Nelsonville	
Klondyke Creek	
Squaw Creek	
Dillingham	
Willow Tee	(road junction)
Snag Point	
Snake River	
Wood River	
Sheep Island	
Black Slough	(pending with Board, its former decision being Little Muklung R.)
Picnic Point	
Grassy Island	
Kanakanak Hospital	

Names underlined in red are approved. 3-28.52.

T-9042.

Geographic Names.

Alaska
Nushagak River
Black Slough (pending with Board, its former decision being Little Muklung R.)

Bristol Bay (for title)

Names underlined in red are approved. 3-28-52

REVIEW REPORT T-9041 & T-9042
Planimetric Manuscripts
28 March 1952

62. Comparison with Registered Surveys:

T-7086	1:20,000	1948	(Graphic Control)
T-2983	1:20,000	1909	50-ft contours

(Nushagak Independent Datum)

The 59th parallel forms the southern limit of T-9041 and 59° 02' the northern limit of T-2983.

T-2983 does not extend into the area of T-9042, Nushagak River.

Except for the contours T-9041 supersedes the older survey for charting in the area common to both.

63. Comparison with Maps of other agencies:

USGS Dillingham, Alaska 1:250,000 Prelim.Print, 1951
Universal Transverse Mercator Projection,
Zone 4, 1927 N.A. Datum 1943 Photos.
USGS Nushagak Bay, Alaska, 1:250,000, 1949 Polyconic
Projection, 1927 N.A. Datum 1943 Photos.

64. Comparison with Contemporary Hydrographic Surveys:

H-7768	1:20,000	1949	
H-7769	1:20,000	1949	~~Addl Work 1949~~

The shoreline on these surveys is that of T-9041 and T-9042, but the eight recoverable topographic stations (1948) are from graphic control T-7086, and they are not in agreement with the positions established by the radial plot on T-9041. The eight stations are listed under heading 34 of the Compilation Report. All, except DAW, were recommended as landmarks in Chart Letter No. 70 (1949).

Positions revised on H-7769 GFJ - 6/29/53

The stations have been scaled on the map manuscript and their new positions listed on form 567 for attachment to the chart letter, No. 70, and on the backs of the forms 524 which had been filed under T-7086.

A form 524 has been filed under T-9041 listing the names of the stations, with a note referring to the original forms in the T-7086 file. The radial plot positions are the better positions and have been used by the hydrographic party and for nautical charting.

65. Comparison with Nautical Charts:

8802	1:1,023,188	at 56°00'	ed.Aug.1944	rev.June 1951
9050	1:150,000	at 58°47'	ed.Nov.1943	rev.April 1949

These charts are based on the 1909 survey, so that the relationship of shoreline to projection does not agree with map manuscripts T-9041 and T-9042.

9052 1:100,000 at 58°36' 1st ed. April 1950, rev. Nov. 1950

This chart was based on Ph-8(46) surveys T-7086 and H-7768 and H-7769. Differences between chart and map manuscripts are due to selective use of mapped data and to discrepancies in landmark positions noted in 64 above.

66. Accuracy:

These maps comply with project instructions and are ~~meet the National Standards of Accuracy~~. adequate for use as a base for hydrographic surveys and for the construction of nautical charts.

Reviewed by:

Lena T. Stevens

APPROVED:

S. J. Griffith
Chief, Review Section
Division of Photogrammetry

H. E. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. Photogrammetry

Earl O. Heaton
Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T9041

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
12/21/49	9052	J.A. McGann	Before ~~After~~ Verification and Review
11-1-91	16322	W.J. Ohno	Before After Verification and Review Consider adequately applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.

NAUTICAL CHARTS BRANCH

SURVEY NO. T9042

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/9/49	9051	J.G. McGann	Before ~~After~~ Verification and Review
12/20/49	9052	J.G. McGann	Before ~~After~~ Verification and Review
11-1-91	16322	W.T. Ohno	Before After Verification and Review Consider adequately applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.

HORIZONTAL DATUM ADJUSTMENT

Bristol Bay, Alaska

The subject maps were radial plotted on unadjusted (Field) datum which was subsequently adjusted to the North American 1927 datum by the Division of Geodesy. The datum correction has been computed for each sheet, and stamped into the Descriptive Report on page 1, and on the manuscripts and registered cloth-backed copies near the title block. However, as the title block of each clothback sheet contains the note, "1927 North American Datum", it was necessary to stamp the word, "(Unadjusted)" beside this datum note in the title block of each sheet.

See the special report, Horizontal Control Datum, Ph-8(46), Ph-8A(46), and Ph-8B(46), filed with the Completion Report for the project for details and lists of the maps, reports, and registration copies marked with this adjustment. The following is a list of the maps in the projects:

Ph-8(46), TOPOGRAPHIC	Ph-8A(46), PLANIMETRIC
T-9038 thru T-9040	T-9041 thru T-9043
9044 " 9047	9048 " 9053
9054 " 9057	9058 " 9063
9064,-9065,-9070	9066 " 9069
9071,-9074,-9075	9072,-9073
9227 thru 9253	9076,-9078

Ph-8B(46), SHORELINE

T-8873 (E&W) and T-8874