

9068

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Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	Planimetric
Field No.	T-9068
Office No.	T-9069
LOCALITY	
State	Territory of Alaska
General locality	Kvichak Bay
Locality	Naknek River from Kvichak Bay to Naknek Air Base
1946-47	
CHIEF OF PARTY	
R.F.A. Studds, Chief, Field Party	
W.H. Bainbridge, Photogrammetric Office	
LIBRARY & ARCHIVES	
DATE	June - 19 - 1953

DATA RECORD

T - 9068

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

Field Office (II): Ship "PATHFINDER"

Chief of Party: R.F.A. Studds

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)

*Office files*

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): 4-18-49      Date reported to Nautical Chart Branch (IV):

Applied to Chart No. 9051

Date: 2-1-50

Date registered (IV): 3-26-52

Publication Scale (IV): 1:20,000

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): ~~M.T.L.W.~~ M H W

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. ~~2.4 m~~ minus 1.4 m.  
and Long. ~~4.3 m~~

Reference Station (III): NARNEK, 1946

Lat.: 58° 44' 20.381" <sup>335</sup> 629.2 m  
~~630.6 m~~  
(1225.9 m)

Long.: 157° 00' 38.576" <sup>.301</sup> 616.1 m  
~~620.5 m~~  
(314.6 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.


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

DATA RECORD

Field Inspection by (II): Ship "PATHFINDER" Season 1946  
Date: Season 1947

Planetable contouring by (II): \_\_\_\_\_ Date: \_\_\_\_\_

Completion Surveys by (II): \_\_\_\_\_ Date: \_\_\_\_\_

Mean High Water Location (III) (State date and method of location): High-water line was located on 1943 photographs by field party. This data was transferred to 1946 photographs, with the use of the stereoscope, and then compiled. (Also see remarks on T-9069 data record).

Projection and Grids ruled by (IV): \_\_\_\_\_ Date: \_\_\_\_\_

Projection and Grids checked by (IV): \_\_\_\_\_ Date: \_\_\_\_\_

Control plotted by (III): John Winniford Date: 12/6/48

Control checked by (III): James L. Harris Date: 12/27/48

Radial Plot or Stereoscopic Control extension by (III): James L. Harris & J. Edward Deal Date: 2/1/49

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

Manuscript delineated by (III): Minor Pass Points - Frank Elrod  
Delineation - Carita C. Wiebe Date: 3/7/49

Photogrammetric Office Review by (III): Ree H. Barron Date: 3/11/49

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

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

Number	Date	PHOTOGRAPHS (III)			Stage of Tide
		Time	Scale		
14409 & 14410	6/10/43	11:50	1:20,000		13.0 ft. above M.L.L.W.
14383 to 14388	6/10/43	11:20	1:20,000		14.5 ft. above M.L.L.W.
17980 to 17982	9/25/46	9:45	1:20,000		3.5 ft. above M.L.L.W.
18003	9/25/46	10:40	1:20,000		5.5 ft. above M.L.L.W.

Tide (III)

Reference Station: Nushagak Bay Alaska (Clark Point)  
 Subordinate Station: Approximation at the mouth of Kvichak  
 Subordinate Station: River to be plus 1 hour.

Ratio of Ranges	Mean Range	Diurnal
		Range
	15.2	19.5

Washington Office Review by (IV): *K. N. Maki*

Date: 6-30-52

Final Drafting by (IV): *E. B. Hunter*

Date: 8-18-52

Drafting verified for reproduction by (IV): *W. O. Halluin*

Date: 7-11-52

Proof Edit by (IV): *W. O. Halluin*

Date: 11-14-52

Land Area (Sq. Statute Miles) (III): 38.9

Shoreline (More than 200 meters to opposite shore) (III): 16.2 Statute Miles

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

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): See Hydrographic Sheet T-7093

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

Remarks:

DATA RECORD

T -9069

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

Field Office (II): Ship "PATHFINDER"

Chief of Party: R.F.A. Studds

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)  
*Office Files*

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): *4-18-49* Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): *3-26-53*

Publication Scale (IV): *1:20,000*

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.L.L.W.

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. ~~25~~/minus 1.8 m.  
and Long. ~~5~~/minus 3.9 m.*

Reference Station (III): ROCKY, 1947

Lat.: 58° 42' <sup>48.951"</sup> ~~49.007"~~ <sup>4.6</sup> 151~~8.4~~<sup>6.97</sup> m Long.: 156° 47' 40.<sup>697</sup> ~~910~~" <sup>5.2</sup> 65~~4.2~~<sup>5.2</sup> m  Adjusted  
~~(340.1m)~~ ~~(306.8m)~~  Unadjusted

Plane Coordinates (IV): *Military Grid: WAC Lambert Projection* 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)

DATA RECORD

Field inspection by (II): Ship "PATHFINDER" Date: Season 1946  
Season 1947

Planetable contouring by (II): \_\_\_\_\_ Date: \_\_\_\_\_

Completion Surveys by (II): \_\_\_\_\_ Date: \_\_\_\_\_

Mean High Water Location (III) (State date and method of location): Planetable survey by Ship  
"PATHFINDER" 1946 and 1947 was transferred to the map manuscript and checked  
with 1946 photography.

Projection and Grids ruled by (IV): *Washington Office* Date: *1948*

Projection and Grids checked by (IV): " " Date: *1948*

Control plotted by (III): John Winniford Date: 12/8/48

Control checked by (III): Ree H. Barron Date: 12/11/48

Radial Plot or Stereoscopic Control extension by (III): James L. Harris and J.E. Deal Date: 2/1/49

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

Manuscript delineated by (III): Roy A. Davidson Date: 3/16/49

Photogrammetric Office Review by (III): Ree H. Barron Date: 3/24/49

Elevations on Manuscript checked by (II) (III): *Inapplicable* Date: \_\_\_\_\_



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

Number	Date	PHOTOGRAPHS (III)		
		Time	Scale	Stage of Tide
* 15016 to 15019	10/14/45	13:02	1:20,000	4.0 ft. above M.L.L.W.
18004 to 18007	9/25/46	10:42	1:20,000	5.5 ft. above M.L.L.W.

\* These photographs could not be used in the radial plot. They were used for detailing interior areas.

Tide (III)

Diurnal

Reference Station: NUSHAGAK BAY, ALASKA (Clark Point)  
Subordinate Station: Approximation at the mouth of Kvichak River  
Subordinate Station: to be plus 1 hour.

Ratio of Ranges	Mean Range	SEMI-RANGE
	15.2	19.5

Washington Office Review by (IV): *C. Hancock*

Date: 7-20-49

Final Drafting by (IV): *Sybil Sloan*

Date: 8-25-52

Drafting verified for reproduction by (IV): *W. O. Bellam*

Date: 9-24-52

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (II): 96.9

Shoreline (More than 200 meters to opposite shore) (III): 35.9 Statute Miles

Shoreline (Less than 200 meters to opposite shore) (III): 23.2 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): See Hydrographic Sheets T-7094, T-7095a & b.

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

Remarks:

SUMMARY TO ACCOMPANY T-9068 and T-9069

Project Ph-8(46) consists of a series of 44 topographic maps, sub-project Ph-8(46)A consists of a series of 23 planimetric maps, and sub-project Ph-8(46)B consists of two shoreline maps. T-9068 and T-9069 are two maps in the planimetric series.

T-9068 is the westerly map of the two and covers a portion of Kvichak Bay and the area of the mouth of Naknek River to longitude 157° 00'. T-9069, the easterly map of the two, covers the area of Naknek River eastward from 157° 00' to 156° 37'. A 3' extension was added to the normal eastern neat line limit of 156° 40' to provide coverage for the Naknek Air Base. Field operations included the establishment of horizontal control and the partial identification of shoreline and interior features. The maps are graphic compilations at a scale of 1:20,000.

A cloth-backed lithographic print of each map at compilation scale, and the combined descriptive report will be registered in the Bureau Archives.

MAP T. 9068

PROJECT NO. Ph-8(46)

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -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)
✓ NAKNEK, 1946	G-6906 G-9232 Page 5	N.A. 1927	58° 44' 20.381" 157° 00' 38.576"	630.6 (1225.9) 620.5 (344.6)			Used in radial plot
✓ NAKNEK, AZ. MARK 1946	G-6906 G-9232 Page 14	N.A. 1927	58° 43' 49.769" 157° 01' 19.299"	1540.0 (316.6) 310.5 (654.9)			Established, 1946
✓ CAPE SUWAROF	G-6906 G-9236 Page 15	N.A. 1927	58° 43' 22.307" 157° 02' 47.327"	690.2 (1166.3) 761.7 (204.0)			Used in radial plot
LIGHT, 1946	G-6906 G-9236 Page 15	N.A. 1927	58° 42' 41.578"	1286.5 (570.0)			Used in radial
✓ COLUMBIA RIVER PACKERS ASSN. CAN- NERY TANK, 1946	G-6906 G-9236 Page 15	N.A. 1927	157° 02' 05.211"	83.9 (882.1)			plot
✓ ALASKA PACKERS ASSN. "DIAMOND M" CANNERY TANKS, 1946	G-6906 G-9236 Page 12	N.A. 1927	58° 42' 26.603" 157° 04' 51.967"	823.2 (1033.3) 836.8 (129.3)			Used in radial plot
✓ NAKNEK VILLAGE S. WATER-TANK, 1946	G-6906 G-9236 Page 16	N.A. 1927	58° 43' 50.990" 157° 01' 32.394"	1577.7 (278.8) 521.3 (444.2)			Used in radial plot
✓ CAN, 1946	G-6906 G-9236 Page 5	N.A. 1927	58° 41' 07.612" 157° 03' 23.945"	235.5 (1621.0) 385.8 (580.8)			Used in radial plot
✓ S 2349 COR. 1 (610)-1946	G-6906 G-9236 Page 14	N.A. 1927	58° 44' 01.663" 157° 01' 16.977"	51.5 (1805.0) 273.1 (692.2)			Established 1946
✓ ALASKA PACKERS ASSN. "DIAMOND O" TANKS, 1946	G-6906 G-9236 Page 13	N.A. 1927	58° 42' 41.668" 157° 03' 20.583"	1289.3 (567.2) 331.4 (634.6)			Used in radial plot
** RED, 1946	Field Comp. Page 5	N.A. 1927	58° 37' 49.359" 157° 14' 00.590"	1527.3 (329.3) 9.5 (958.7)			Established in 1946

\* - Reference for adjusted position  
shown in blue ink.  
\*\* - Adjusted position not available

1 FT. = 3048008 METER  
COMPUTED BY: F. H. Elrod

DATE Oct. 11, 1948

CHECKED BY: G. Richter

DATE Oct. 29, 1948

M. 2388-12

MAP T. 9069 PROJECT NO. Ph-8(46) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -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		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
						FORWARD	(BACK)	FORWARD	(BACK)
↓ SALMON, 1947	Field Comp. Page 4	N.A. 1927	58° 41' 28.237" 156° 42' 49.120"	873.7 ( 982.8)				Not identified	
↓ STRAIGHT, 1947	Field Comp. Page 4	N.A. 1927	58° 40' 58.189" 156° 42' 40.166"	1800.5 ( 56.0)				established in 1947."	
↓ END, 1947	Field Comp. Page 4	N.A. 1927	58° 40' 47.677" 156° 41' 48.334"	647.2 ( 319.6)				"	"
↓ SMELT, 1947	Field Comp. Page 4	N.A. 1927	58° 41' 14.915" 156° 44' 02.902"	1475.2 ( 381.3)				"	"
↓ GRASS, 1947	Field Comp. Page 4	N.A. 1927	58° 39' 26.852" 156° 38' 58.112"	778.8 ( 188.0)				"	"
↓ S.E. COR. OF SMALL WHARF, RED SALMON CANNERY, 1947	Field Comp. Page 5	N.A. 1927	58° 44' 19.91" 156° 58' 18.50"	461.5 (1395.0)				"	"
↓ N.E. COR. DIAMOND NN WHARF, 1947	Field Comp. Page 5	N.A. 1927	58° 43' 05.77" 156° 59' 46.39"	46.8 ( 919.8)				"	"
↓ S.W. COR. WHARF R.S.C., 1947	Field Comp. Page 5	N.A. 1927	58° 44' 15.43" 156° 58' 26.88"	830.8 (1025.7)				"	"
TALLEST RADIO MAST B.O.F., STA. 1947	Field Comp. Page 6	N.A. 1927	58° 42' 48.41" 156° 49' 43.34"	937.0 ( 30.4)				"	"
HORSESHOE PT. LT., 1947	Field Comp. Page 7	N.A. 1927	58° 43' 49.94" 156° 54' 46.94"	616.1 (1240.4)				"	"
MAST, 1947.	Field Comp. Page 9	N.A. 1927	58° 40' 31.90" 156° 39' 24.71"	297.6 ( 667.6)				"	"
SAVONOSKI, 1947	Field Comp. Page 3	N.A. 1927	58° 42' 55.447" 156° 50' 32.024"	178.5 (1678.0)				"	"
				746.7 ( 219.1)				"	"
				477.4 (1379.1)				"	"
				432.4 ( 532.8)				"	"
				1545.2 ( 311.3)				"	"
				755.3 ( 210.2)				"	"
				1497.9 ( 358.6)				"	"
				697.7 ( 268.2)				"	"
				987.0 ( 869.5)				"	"
				398.2 ( 568.7)				"	"
				1715.6 ( 140.9)				"	"
				515.5 ( 450.3)				"	"

MAP T- 9069 PROJECT NO. Ph-8(46) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
PAF, 1947	Field Comp. Page 2	N.A. 1927	58° 43' 47.787"	1478.6	( 377.9)				Not identified established in 1947	
BUMP, 1947	Field Comp. Page 2	N.A. 1927	58° 43' 58.868"	525.0	( 440.4)				" "	
COVE, 1947	Field Comp. Page 2	N.A. 1927	58° 44' 38.500"	1821.5	( 35.0)				" "	
HOLE, 1947	Field Comp. Page 2	N.A. 1927	58° 56' 54.714"	908.2	( 57.1)				" "	
POINT, 1947	Field Comp. Page 2	N.A. 1927	58° 44' 06.536"	1191.3	( 665.2)				" "	
BOF, 1947	Field Comp. Page 2	N.A. 1927	58° 56' 07.790"	880.0	( 85.0)				" "	
LOW, 1947	Field Comp. Page 2	N.A. 1927	58° 44' 15.824"	202.2	(1654.3)				" "	
HIGH, 1947	Field Comp. Page 2	N.A. 1927	58° 54' 40.674"	125.3	(840.0)				" "	
MUD, 1947	Field Comp. Page 2	N.A. 1927	58° 44' 01.057"	489.6	(1366.9)				" "	
GULLY, 1947	Field Comp. Page 2	N.A. 1927	58° 53' 51.014"	654.3	( 310.9)				" "	
HORSESHOE, 1947	Field Comp. Page 3	N.A. 1927	58° 44' 10.947"	32.7	(1823.8)				" "	
FLAT, 1947	Field Comp. Page 3	N.A. 1927	58° 53' 02.273"	820.8	( 144.6)				" "	
			58° 43' 45.146"	338.7	(1517.8)				" "	
			58° 52' 42.438"	36.6	( 928.7)				" "	
			58° 43' 24.408"	1396.9	( 459.6)				" "	
			58° 52' 10.473"	168.5	( 796.9)				" "	
			58° 43' 16.641"	755.2	(1101.3)				" "	
			58° 51' 07.008"	683.0	( 282.6)				" "	
			58° 42' 47.973"	514.9	(1341.6)				" "	
			58° 49' 43.686"	112.8	( 852.9)				" "	
			58° 42' 28.524"	1484.4	( 372.1)				" "	
			58° 49' 48.817"	703.3	( 262.6)				" "	
				882.6	( 973.9)				" "	
				786.0	(180.1)				" "	

MAP T.....9069	PROJECT NO.....Ph-8(46)	SCALE OF MAP.....1:20,000	SCALE FACTOR				
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\alpha$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD (BACK)		FORWARD (BACK)	FORWARD (BACK)
(NAKVEK AIR BASE)	G-6906	N.A.	58° 40' 47.927"	1483.0 (373.5)			Used in radial
B-1 (USE) 1946	Page 13	1927	156° 39' 16.162"	260.4 (706.4)			plot.
ALDER, 1946	G-6906	N.A.	58° 37' 42.686"	1320.8 (535.7)			Could not be held in radial plot. Believed Sub-station in error.
	Page 4	1927	156° 59' 20.250"	326.8 (641.4)			
S. GABLE OLANDERS	Field Comp.	N.A.	58° 44' 21.54"	666.5 (1190.0)			Used in radial
HO., 1947	Page 6	1927	156° 53' 48.44"	779.2 (186.0)			plot.
	Field Comp.	N.A.	58° 44' 16.54"	511.8 (1344.7)			" "
DOCK, 1947	Page 6	1927	156° 58' 24.88"	400.3 (565.0)			" "
CROSS ON CHURCH AT SAVONOSKI 1947	Field Comp.	N.A.	58° 43' 02.68"	82.9 (1773.6)			" "
	Page 7	1927	156° 51' 59.42"	956.5 (9.3)			" "
CABIN (CHIM, 1947)	Field Comp.	N.A.	58° 41' 20.79"	643.3 (1213.2)			" "
	Page 8	1927	156° 43' 43.70"	703.9 (262.6)			" "
GABLE, 1947	Field Comp.	N.A.	58° 43' 52.09"	1611.8 (244.7)			" "
	Page 6	1927	156° 54' 47.10"	757.8 (207.6)			" "
B-6 (USE), 1946	G-6906	N.A.	58° 41' 09.047"	279.9 (1576.6)			" "
	Page 5	1927	156° 39' 54.054"	870.9 (95.8)			" "
RED SALMON CANNERY CO. TANK, 1946	G-6906	N.A.	58° 44' 24.715"	764.7 (1091.8)			" "
	Page 15	1927	156° 58' 37.774"	607.6 (357.5)			" "
PACIFIC AMERICAN FISHERIES CANNERY TANK, 1946	G-6906	N.A.	58° 43' 47.975"	1484.4 (372.1)			" "
	Page 15	1927	156° 56' 35.501"	571.2 (394.2)			" "
ALASKA PACKERS ASSN. "DIAMOND NN" CANNERY TANKS, 1946	G-6906	N.A.	58° 42' 57.595"	1782.1 (74.4)			" "
	Page 16	1927	156° 59' 56.450"	908.7 (57.1)			" "
NAKVEK AIRBASE, CENTER RANGE POLE OF FIVE, 1946	G-6906	N.A.	58° 41' 50.029"	1548.0 (308.5)			" "
	Page 13	1927	156° 41' 22.021"	354.7 (611.7)			" "

MAP T 9069

PROJECT NO Ph-8(46)

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
✓ FISH, 1947	Field Comp. Page 3	N.A. 1927	58° 42'	59.566"	1843.1	( 13.4)				Not identified
✓ ROCKY, 1947	Field Comp. Page 3	N.A. 1927	156° 48'	28.008"	450.8	( 515.0)				established in 1947
✓ BLIND, 1947	Field Comp. Page 3	N.A. 1927	58° 42'	49.007"	1516.4	( 240.1)				" "
✓ YELLOW, 1947	Field Comp. Page 3	N.A. 1927	156° 47'	40.940"	659.1	( 306.8)				" "
✓ ISLAND, 1947	Field Comp. Page 3	N.A. 1927	58° 42'	37.025"	1145.6	( 710.9)				" "
✓ WHITE, 1947	Field Comp. Page 3	N.A. 1927	156° 48'	01.476"	23.8	( 942.2)				" "
✓ ROCK (FROM, 1947)	Field Comp. Page 3	N.A. 1927	58° 42'	45.593"	1410.7	( 445.8)				" "
✓ TRIANGLE, 1947	Field Comp. Page 3	N.A. 1927	156° 46'	54.262"	873.6	( 92.4)				" "
✓ BASE, 1946	Field Comp. Page 3	N.A. 1927	58° 43'	12.129"	375.3	( 1481.2)				" "
✓ N.W. COR OF WHARF	Field Comp. Page 3	N.A. 1927	156° 46'	45.384"	730.5	( 235.2)				" "
✓ P.A.F., 1947	Field Comp. Page 3	N.A. 1927	58° 42'	39.568"	1224.3	( 632.2)				" "
✓ WATER TANK, B.O.F	Field Comp. Page 3	N.A. 1927	156° 45'	10.526"	169.5	( 796.5)				" "
✓ STA., 1947	Field Comp. Page 3	N.A. 1927	58° 42'	15.686"	485.4	( 1371.2)				" "
✓ (NAKNEK AIR BASE) CENTER (USE) 1946	Field Comp. Page 3	N.A. 1927	156° 45'	09.259"	149.1	( 817.1)				" "
	Field Comp. Page 4	N.A. 1927	58° 41'	34.749"	1075.2	( 781.3)				" "
	Field Comp. Page 4	N.A. 1927	156° 44'	03.541"	57.0	( 909.4)				Used in radial plot
	Field Comp. Page 4	N.A. 1927	58° 39'	59.062"	1827.5	( 29.0)				" "
	Field Comp. Page 5	N.A. 1927	156° 37'	17.329"	279.3	( 687.9)				" "
	Field Comp. Page 5	N.A. 1927	58° 44'	01.49"	46.1	( 1810.4)				" "
	Field Comp. Page 6	N.A. 1927	156° 56'	46.11"	741.9	( 223.5)				" "
	Field Comp. Page 6	N.A. 1927	58° 43'	49.01"	1516.5	( 340.0)				" "
	Field Comp. Page 6	N.A. 1927	156° 54'	43.42"	698.6	( 266.8)				" "
	Field Comp. Page 13	N.A. 1927	58° 40'	42.995"	1330.3	( 526.2)				" "
	Field Comp. Page 13	N.A. 1927	156° 38'	58.200"	937.9	( 29.0)				" "

MAP T. 2062 PROJECT NO. Ph-8(46) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -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)
✓ MAK, 1946	G-6906 Page 5	N.A. 1927	58° 41' 18.624" 156° 47' 30.630"	576.3 (1280.2) 493.4 (473.2)			Established in 1946
✗ NAKNEK AIR BASE BEACON, 1946	G-6906 Page 13	N.A. 1927	58° 40' 43.269" 156° 39' 12.633"	1338.8 (517.7) 203.6 (763.2)			" "
✓ NAKNEK AIR BASE SE RADIOTOWER, 1946	G-6906 Page 13	N.A. 1927	58° 41' 33.834" 156° 41' 16.737"	1046.9 (809.6) 269.6 (696.9)			Used in radial plot
✓ NAKNEK AIR BASE NW RADIO TOWER, 1946	G-6906 Page 13	N.A. 1927	58° 41' 37.113" 156° 41' 23.738"	1148.4 (708.1) 382.4 (584.1)			Not identified established in 1946
✓ (NAKNEK AIRBASE) A-3 (USE) 1946	G-6906 Page 13	N.A. 1927	58° 40' 22.884" 156° 38' 00.680"	708.1 (1148.4) 11.0 (956.1)			" "
✓ (NAKNEK AIRBASE) A-2 (USE) 1946	G-6906 Page 13	N.A. 1927	58° 40' 44.385" 156° 38' 50.934"	1373.4 (483.2) 820.8 (146.1)			" "
✓ (NAKNEK AIRBASE) A-1 (USE) 1946	G-6906 Page 13	N.A. 1927	58° 40' 39.633" 156° 39' 06.500"	1226.3 (630.2) 104.7 (862.2)			" "
✓ (NAKNEK AIRBASE) A-4 (USE) 1946	G-6906 Page 13	N.A. 1927	58° 40' 14.873" 156° 37' 57.933"	460.2 (1396.3) 933.8 (33.3)			" "
		N.A.	<del>58° 43' 17.40" 156° 38' 52.80"</del>	<del>538.3 (678.2) 849.9 (145.8)</del>			



MAP T..... 2062 PROJECT NO..... Ph-A(146)..... SCALE OF MAP..... 1:20,000..... SCALE FACTOR..... None.....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			(Field Computation)	(Field Computation)	FORWARD	(BACK)		FORWARD	(BACK)	
Rock (Note, 1947)	G 7505 p. 9	NA 1927	41	23.54	728.2	1128.3				
Boulder (Three, 1947)	G 7505 p. 5	"	44	32.62	525.4	441.1				
Four, Whitewashed Rock, 1947	G 7505 p. 6	"	44	14.71	517.0	1339.5				
Seven, Whitewashed Rock, 1947	G 7505 p. 7	"	53	31.22	502.3	462.9				
Granite Slab (One, 1947)	G 7505 p. 6	"	43	38.66	1196.2	660.3				
Granite Slab (Two, 1947)	G 7505 p. 6	"	52	16.36	263.3	702.2				
Five, Whitewashed Rock, 1947	G 7505 p. 6	"	43	12.48	386.1	1470.4				
Rock (Six, 1947)	G 7505 p. 7	"	50	49.06	789.6	176.1				
Fan, Whitewashed Rock, 1947	G 7505 p. 6	"	43	59.57	1843.3	13.2				
Rock (Six, 1947)	G 7505 p. 7	"	55	21.07	339.0	626.4				
Fan, Whitewashed Rock, 1947	G 7505 p. 9	"	43	58.37	1806.1	50.4				
Shack, 1947	G 7505 p. 9	"	54	11.80	189.8	775.5				
Tat, Whitewashed Rock, 1947	G 7505 p. 9	"	43	12.49	386.5	1470.0				
Wreck, 1947	G 7505 p. 5	"	52	15.52	249.7	716.0				
			42	58.73	1817.2	39.3				
			51	09.97	160.6	805.3				
			41	15.51	480.0	1376.5				
			42	34.94	562.9	403.7				
			41	06.13	189.7	1666.8				
			42	06.07	97.8	868.9				
			41	01.38	42.5	1814.0				
			41	43.14	695.1	271.6				
			43	17.40	538.3	1318.2				
			58	52.80	849.9	115.8				

1 FT. = 3048006 METER COMPUTED BY: C. Hanavich DATE: 14 July 1949 CHECKED BY: DATE: M-2388-12

MAP T. 2069

PROJECT NO. Ph-8(46)

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	(Field)		Computation		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS (BACK)
			LATITUDE OR y-COORDINATE	LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	(BACK)		DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FORWARD (BACK)	
Gable (Supe, 1947) ✓	G 7505 p. 5 ✓	NA 1927	58 44	14.31	442.7	1413.8				
Mast (Sock, 1947) ✓	G 7505 p. 5 ✓	"	58 58	38.50	619.4	345.8				
Gable (Gott, 1947) ✓	G 7505 p. 5 ✓	"	58 44	01.50	46.4	1810.1				
Rock (Bold, 1947) ✓	G 7505 p. 8 ✓	"	58 56	41.60	669.2	296.1				
Cut, Whitewashed Rock, 1947 ✓	G 7505 p. 8 ✓	"	58 44	02.27	70.2	1786.3				
Rock (Papi, 1947) ✓	G 7505 p. 8 ✓	"	58 56	23.30	374.9	590.4				
Eight, 1947 ✓	G 7505 p. 7 ✓	"	58 42	59.84	1851.4	5.1				
Nine, Whitewashed Rock, 1947 ✓	G 7505 p. 7 ✓	"	58 48	49.62	798.8	167.0				
Ten, 1947 ✓	G 7505 p. 7 ✓	"	58 42	55.95	1731.1	135.4				
Joke, Whitewashed Rock, 1947 ✓	G 7505 p. 8 ✓	"	58 48	05.43	87.4	878.0				
Oak, Whitewashed Rock, 1947 ✓	G 7505 p. 8 ✓	"	58 43	04.21	130.4	1726.1				
			156 46	20.04	322.5	613.2				
			58 42	31.85	985.6	870.9				
			156 49	24.82	399.6	566.5				
			58 42	39.67	1227.3	629.2				
			156 49	12.25	197.2	768.7				
			58 42	44.33	1371.6	484.9				
			156 49	03.40	86.9	879.1				
			58 42	35.18	1088.7	767.8				
			156 47	27.28	439.1	526.9				
			58 42	39.12	1210.6	645.9				
			156 47	13.07	210.4	755.6				

1 FT. = 3048006 METER

COMPUTED BY: C. Hanavich

DATE: 14 July 1949

CHECKED BY:

DATE

M-2386-12

COMPILATION REPORT  
Map Manuscripts T-9068 and T-9069  
Project Ph-8(46)

26: CONTROL:

The horizontal control in map manuscripts No's. T-9036, T-9043, T-9053, T-9063, T-9068 and T-9069 is discussed collectively because these six sheets were combined into one radial plot.

The areas of T-9068 and T-9069 were strongly controlled by the many stations located at the mouth and along both shores of the Naknek River. To the north of the Naknek River in T-9063, T-9053, T-9043, and T-9036 there were sufficient stations to run a strong radial plot for that portion of this area falling along the east shoreline of Kvichak Bay and both shores of the Kvichak River, but in the interior, to the east of the bay and river, these sheets were not controlled. To the south of the Naknek River the radial plot was controlled by two stations falling in the northern part of T-9073. The lack of control in this section of the radial plot was because of the fact that the sub-station for ALDER, 1947, located in the southeastern corner of T-9069, was either not correctly identified or the instrument work in the field was in error. Since this was a key station in the radial plot, an approximate identification of the station was pricked on the photographs by using two indefinite measurements listed in the published description of the station. This approximate identification was not successful since the station could not be held strongly, except on photograph No. 15017.

27: RADIAL PLOT:

These two map manuscripts were included as part of a combined radial plot comprising Map Manuscripts No's. T-9036, T-9043, T-9053, T-9063, T-9068 and T-9069.

The preliminary work on the photographs, the computations, the use of base grids, and the taking off of the final results of the plot were done in the same manner as described for the radial plot in the descriptive report for T-9051 and T-9052. The radial directions were corrected by using master templet No. 16445, dated September 1948 for the 1945 photographs and master templet No. 16664, dated September 1948 for the 1946 photographs. The 1943 photographs were corrected for paper distortion only, as recommended in the letter 711-rb dated 19 January 1949, subject: "Calibration Templets", from the Chief Division of Photogrammetry.

For that part of the area of this radial plot lying along the Naknek River the 1946 photographs No's. 18003 to 18008 inclusive could be oriented perfectly into the abundance of control. Azimuth lines were strongly held and an excellent radial plot was obtained.

When an attempt was made to include the 1945 photographs, No's. 15015 to 15019 inclusive, into this part of the radial plot, the azimuth lines would not hold and many of the same stations, used to control the 1946 photographs, could not be held on the 1945 photographs. After all work on the photographs had been carefully checked and many attempts had been made to use the 1945 photographs, it was decided that the 1945 calibration templet data was not correct and also that the 1945 photographs could not be used by adjusting for paper distortion only. The centers of these 1945 photographs were located, for use in the detailing of the planimetry, by pricking the intersection of azimuth lines to conjugate centers which had been very carefully plotted on the 1946 photographs.

The Washington Office was notified of the above difficulty in a letter dated 11 February 1949, Subject: "Radial Plots Ph-8(46)"; and the reply is contained in the letter 711-rb, dated, 17 February 1949, Subject: "Radial Plots East Shore of Kvichak Bay", from The Director.

Some slight difficulties were encountered when using the 1943 photographs since they could be adjusted for paper distortion only. They were satisfactorily incorporated into the radial plot by first laying the templets of the three east and west flights of 1946 photographs from which there were obtained many strong pass points. These were used as supplementary control for orienting the templets for the north and south flights of 1943 photographs. Photographs No's. 14387 and 14407 were not used since there was sufficient photograph coverage in the area from the 1946 photography.

It is believed that a very strong radial plot was obtained except along the eastern parts of T-9036, T-9053, and T-9063 where, due to the complete lack of horizontal control stations, the results might not be of the usual standard of accuracy.

28: DETAILING:

These maps 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.

The transforming printer at the Washington Office was not in proper adjustment at the time the photographs were printed and they could not be oriented in their entirety at the compilation table when radially plotting various types of pass points. Each chamber of each photograph could be oriented separately since a sufficient number of pass points were established during the radial plot. For at least two of the chambers on each photograph it was found necessary to de-center the photograph radially, to or from the chamber being oriented, so that the radials to the pass points and horizontal control stations in the chamber would pass through their positions on the map manuscripts.

The field inspection, except for the area of the Naknek River, consisted generally of a partial identification of the mean high-water line and adjacent foreshore and backshore areas. Also, since Lt. Comdr. Stewart was stationed at the Portland Office while these sheets were being compiled, he was consulted frequently on interpretation of photographic details, and from his knowledge of the area, and by stereoscopic study of the photographs with him, much valuable information was obtained. The shoreline and offshore details of the Naknek River were traced from reductions, at a scale of 1:20,000 of the 1946-1947 planetable sheets compiled by the Ship "PATHFINDER". These features were carefully compared with the 1946 photographs and were found to be in perfect agreement except for the location and azimuth of several drainage streams emptying into the Naknek River. These streams and all interior planimetric features were compiled from the available photographs.

It could not be determined whether or not there is drainage connecting many of the ponds. It may be that at some period during the year there is a definite drainage pattern connecting all ponds. In any case, the minor drainage in this area is very complicated and can only be accurately determined by a detailed field inspection of the area.

No attempt has been made to detail and symbolize the many changes in ground elevations. Prominent peaks and knolls, which are abundant in the area, have been delineated and shown with an appropriate symbol.

Ozolid prints of the completed map manuscripts have been forwarded to the Ship "PATHFINDER" and to the Seattle Processing Office.

It is believed that all provisions of paragraph 5 of the instructions relative to drafting have been applied to the map manuscripts.

29: SUPPLEMENTAL DATA

Reductions at a scale of 1:20,000 of planetable sheets No's. T-7093, T-7094, T-7095a and T-7095b are being forwarded with the map manuscripts.

No other supplemental data was furnished for the area of these map manuscripts.

30: MEAN HIGH-WATER LINE:

The mean high-water line of the Naknek River has been transferred from the 1946-1947 planetable sheets compiled by the Ship "PATH-FINDER". Elsewhere on the map manuscripts the location of the mean high water line has been shown as delineated by the field inspection data furnished by the Ship "PATHFINDER".

The mean high-water line bordering firm ground has been shown by a continuous black acid ink line .012" in thickness.

The mean high-water line bordering marsh areas has been shown by a continuous black acid ink line .006" in thickness.

31: LOW-WATER AND SHOAL LINES:

Mud flat and other areas believed to bare at low-water in the Naknek River have been traced from the planetable sheets.

*See Review Report (Item 31 T-9069 also see 7-9068)*  
The approximate limits of the mud bank in the Kvichak Bay have been compiled from the photographs taken during low-water.

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

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

*See item 64 (T-9068)*

33: WHARVES AND SHORELINE STRUCTURES:

In the Naknek River these features were traced from the planetable sheets after verification by comparison with the photographs. Elsewhere on the map manuscripts there are no wharves or shoreline structures.

34: LANDMARKS AND AIDS TO NAVIGATION:

A report on these features has been submitted by the Ship "PATHFINDER."

*See Review Report, item #69 (T-9068)*

35: HYDROGRAPHIC CONTROL:

Temporary hydrographic control stations have been located by the Ship "PATHFINDER".

36: LANDING FIELDS AND AERONAUTICAL AIDS:

The Naknek Air Base, located at the west limits of T-9069 has been detailed from the photographs.

✓ It is assumed that aeronautical aids located at this base have been submitted by the Ship "PATHFINDER". *Copy of Form 567 on these aids attached.*

37: GEOGRAPHIC NAMES:

Geographic Names have been shown on the map manuscripts as furnished by the Ship "PATHFINDER" on a copy of an advance chart of Kvichak Bay, Egegik Bay to Libbyville, dated September 1947, Scale 1:100,000. *See attached list of approved names!*

38: RECOVERABLE TOPOGRAPHIC STATIONS:

*See item 38 T-9069 Review Report*  
A report on these features has been submitted by the Ship "PATHFINDER".

39: JUNCTIONS:

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

44: COMPARISONS WITH EXISTING TOPOGRAPHIC SURVEYS:

There were no previous topographic surveys of this area available to this office.

45: COMPARISON WITH NAUTICAL CHARTS:

A comparison was made by use of the vertical projector with the advance chart of Kvichak Bay, Egegik Bay to Libbyville, dated September 1947, Scale 1:100,000. Except for the location and azimuth of drainage, emptying into the Naknek River, the planimetric features of the chart and map manuscripts are in agreement.

Approved:

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

Respectfully submitted;

*J. Edward Deal Jr.*  
J. Edward Deal, Jr.  
Photogrammetric Engineer





**NONFLOATING AID TO NAVIGATION LANDMARKS FOR CHARTS**  
(Nautical)

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Seattle, Washington 19 March, 1948

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

The positions given have been checked after listing by Fair J. Bryant  
copied by: C. Hanavich, July 1949

Copy checked by: L 470-1948  
*Objects listed below also in*

Territory of Alaska

R.F.A. Studds

Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
			LATITUDE	LONGITUDE		DATUM							
			°	'	D. M. METERS	°	'	D. P. METERS					
Horseshoe Point Lt.	Privately established light at Horseshoe Point.	(△ Horse-shoe pt. Lt.)	58	42	1497.8	156	49	697.7	N.A. 1927	T-9069 Triangulation	1947	X	A-3370
Rock	Large rock in low water area between Horseshoe and Rocky Points	(△ Bold)	58	42	1857.4	156	48	798.8	"	"	"	X	"
Rock	Large Rock in low water area at Papiak Flat	(△ Papi.)	58	43	130.4	156	46	322.5	"	"	"	X	"
Rock	Large Rock at Omakstalia Point	(△ Prom)	58	42	485.4	156	45	149.1	"	"	"	X	"
Cabin	Chimney of taper's cabin on bank opposite Smelt Creek	(△ Chim.)	58	41	643.2	156	43	703.9	"	"	"	X	"
Cabin	Trapper's cabin above King Salmon Creek.	(△ Shack)	58	41	189.7	156	42	97.8	"	"	"	X	"
Beacon	Aircraft beacon at Naknek Air Base	(△ Naknek Air Base Beacon)	58	40	1332.1	156	39	204.5	"	"	"	X	"
Cable	W gable of house, old Bureau of Fisheries Station	(△ Cable)	58	43	1611.8	156	51	757.8	"	"	"	X	"
Tank	Water tank at old Bureau of Fisheries station	(△ Water tank. Ref F sta.)	58	43	1516.6	156	51	698.7	"	"	"	X	"
Cable	South gable of Eric Olander's house	(△ S Gable Olander's)	58	44	666.5	156	53	779.2	"	"	"	X	"
Tree	Lone tree on ridge near Olanders House	(○ Lone Tree)	58	44	761.0	156	53	582.1	"	Topo	"	X	"
Sm. House	Small house near beach at Olander's House	(○ Small House)	58	44	637.0	156	53	783.8	"	Topo	"	X	"
Mast	<del>Radio, tallest of two about 60' high</del>	<del>(△ Tallest radio mast B of F Sta.)</del>	<del>58</del>	<del>43</del>	<del>1545.2</del>	<del>156</del>	<del>54</del>	<del>755.3</del>	<del>"</del>	<del>"</del>	<del>"</del>	<del>X</del>	<del>WAG-136</del>
Mast	<del>Diamond W. Gentry Tallest Radio Mast</del>	<del>(△ Diamond W. Gentry Tallest Radio Mast)</del>	<del>58</del>	<del>42</del>	<del>1721.2</del>	<del>156</del>	<del>59</del>	<del>995.0</del>	<del>"</del>	<del>"</del>	<del>"</del>	<del>X</del>	<del>"</del>

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.





GEOGRAPHIC NAMES

Survey No. T-9068

Name on Survey	A	B	C	D	E	F	G	H	K	
<u>Alaska</u>										1
<u>Kvichak Bay</u>										2
<u>Big Flat</u>										3
<u>Cape Suvarof</u>										4
<u>Naknek River</u>										5
<u>Naknek</u>										6
<u>South Naknek</u>										7
<u>Northwest Lake</u>										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red  
are approved. 6-26-52  
L. Heck

GEOGRAPHIC NAMES

Survey No. T-9069

1	Name on Survey	Sources										
		A	B	C	D	E	F	G	H	K		
		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			
	Alaska			(for title)							1	
	Kvichak Bay			"	"						2	
											3	
	Naknek River									USGB	4	
	South Naknek									"	5	
	Packers Creek										6	
	Boat Creek										7	
	Coffee Point										8	
	Leader Creek										9	
	Pacific Creek										10	
	Morakas Point										11	
	Fishery Creek										12	
	Fishery Point										13	
	Telephone Point										14	
	Telephone Creek										15	
	Slobiak Creek										16	
	Kunsiniali Point										17	
	Savonoski										18	
	Savonoski Creek										19	
	Kanaknoli Point										20	
	Rock Creek			(not Rocky)							21	
	Horseshoe Point										22	
	Horseshoe Bend										23	
	Chimenchun Creek										24	
	Chimenchun Point										25	
	Kvigoi Creek										26	
	Rocky Point										27	

GEOGRAPHIC NAMES

Survey No. T-9069

2	Name on Survey										
		A	B	C	D	E	F	G	H	K	
		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		
	<u>Pauls Creek</u>										1
	<u>Iniam Point</u>										2
	<u>Iniam Islet</u>										3
	<u>Papiaik Point</u>										4
	<u>Omakstalia Point</u>										5
	<u>Melokoshar Creek</u>										6
	<u>Melokoshar Point</u>										7
	<u>Smelt Island</u>										8
	<u>Smelt Creek</u>										9
	<u>King Salmon Creek</u>										10
	<u>Eskimo Creek</u>										11
	<u>Naknek Air Base</u>										12
	<u>Grassy Point</u>										13
	<u>The Lower Lagoon</u>										14
	<u>Mushevik Point</u>										15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red are approved. 7-14-49  
L. Heck

REVIEW REPORT T-9068  
Planimetric Map  
30 June 1952

62. Comparison with Registered Topographic Surveys

T-7036 a & b	1:20,000	1946	(Graphic Control)
T-7093	1:10,000	1947	" "

The shoreline and shore installations, such as piers, wharves and buildings, on the graphic control surveys, are in relatively close agreement with respect to the same features shown on the photogrammetric surveys. Buildings and other cultural details, such as roads, inland from the immediate shoreline are not shown on the graphic control surveys.

63. Comparison with Maps of Other Agencies

U.S.G.S. Kamishak Bay - Katmai Region, Alaska 1923.

Detail on the U.S.G.S. map has been generalized and is shown by a dashed line to indicate that it has not been surveyed in detail.

64. Comparison with Contemporary Hydrographic Surveys

H-7164	1:10,000	1946
H-7165	1:20,000	1946-48
H-7639	1:10,000	1947-48

Two rocks awash shown on the hydrographic surveys west of Cape Suwarof at approximately latitude  $58^{\circ} 43.7'$  and longitude  $157^{\circ} 04.7'$  are not shown on T-9068.

The dashed line on T-9068 represents a generalized shallow or mud bank limit line as determined from photo interpretation. The low water line has been developed on the hydrographic surveys.

65. Comparison with Nautical Charts

8502	1:969,761	ed. 1944	latest print date 9/4/50
8802	1:023,188	ed. 1944	" " " 6/11/51

There are no significant differences between T-9068 and the charts. The two rocks awash mentioned in item 64 are not shown on the charts.

66. Adequacy of Results and Future Surveys *The shoreline and immediate vicinity at the mouth of the Naknek River on*

T-9068 meets the Bureau requirements for accuracy and complies with national map accuracy standards. *The remainder of* ~~the map~~ <sup>the area</sup> is adequate as a base for hydrographic surveys and the construction of nautical charts.





Division of Photogrammetry  
Review Report of T-9069

26. Control.-A total of 23 third-order intersection stations, which were omitted from the map manuscript, were plotted along the Maknek River. These positions are from the unadjusted field computations (datum: MA 1927); they have been listed on Form M-2388-12 and attached to the Descriptive Report.

28. Detailing.-The compilation of the shoreline and offshore details, which were traced by the compiler from reductions of the 1946-47 planetable sheets, was checked and then compared with the office photographs. The shoreline was found to be in agreement, but a complete verification of all the offshore detail was not possible since some of this detail was not discernible on the photographs.

No inland field inspection on photographs was made, and office photographs were used to examine and check the work.

For additional information, refer to side heading 29 of this review report.

29. Supplemental Data.-Graphic control surveys used to supplement the photographs are: T-7093 (1946-47), T-7094 (1947), T-7095a (1947), and T-7095b (1947).

Additional information (description of area, control, geographic names, and landmarks for charts) is contained in the descriptive reports for these graphic control surveys.

Hydrographic survey sheets H-7164 (1946), H-7614 (1947), and H-7639 (1947-48) were inspected for any additional information.

31. Low-Water and Shoal Lines.-The first paragraph under this side heading in the Compilation Report should be changed to read: Mud flats and other areas that bare at low-water have been traced from the planetable sheets.

32. Details Offshore from the Mean High-water Line.-The statement under this side heading in the Compilation Report is incorrect. Rocks, shoals, and other obstructions, are found offshore; they were located on the graphic control surveys, and had been transferred to the map manuscript by the compiler.

34. Landmarks and Aids to Navigation.-All landmarks for charts, recommended by the Ship PATHFINDER, that fall within the area of this map manuscript have been listed by the reviewer on Form 567 and attached to the Descriptive Report. They were abstracted from Chart Letter 470 (1948) which is filed in the Nautical Chart Branch, Division of Charts. The following stations have been noted as landmarks on the advance nautical information chart (Kvichak Bay, Naknek River, scale 1:50,000); however, these stations have not been listed on Form 567 attached to this report since they were not recommended on copies of Form 567 submitted by the Ship HYDROGRAPHER:

1. WIND CHARGER - opposite and W of Grassy Pt.
2. 2 RADIO TRS - just NW of Naknek Air Base and both towers are triangulation stations.
3. TANK ( $\Delta$  Pacific American Fisheries Cannery Tank, 1946) - on the W side of Pacific Co.
4. TANK ( $\Delta$  Red Salmon Cannery Co. Tank, 1946) NE of Coffee Pt.

There are no aids to navigation. Horseshoe Point Lt. ( $\Delta$  Horseshoe Point Lt., 1947), which is located on Horseshoe Point, was privately established and is not maintained. It is a large kerosene lantern on supports and was recommended as a landmark by the Ship PATHFINDER. Since 3 of the landmarks, which were located by topographic methods, could not be found described on Form 524, office descriptions on this form were made up. They are: TREE, 1947, SMALL HOUSE, 1947, and RADIO MAST, 1947.

35. Hydrographic Control.-Hydrographic control stations located on the graphic control surveys were not transferred to the map manuscript.

36. Landing Fields and Aeronautical Aids.-~~Naknek Air Base, located at the West limits of the manuscript, is in the restricted classification. Declassified.~~

No information on Aeronautical Aids by the Ship PATHFINDER could be found (Refer to this side heading of the Compilation Report). A selection of aeronautical aids was made during the review work; they have been listed on Form 567 and attached to the Descriptive Report.

38. Recoverable Topographic Stations.-No specific information (see Compilation Report under this side heading) on

recoverable topographic stations was found in the various reports submitted by the Ship PATHFINDER, except for the Descriptive Report on "Landmarks to be charted" by R. F. A. Studds in which some of the stations were noted on Form 567 as having been located by topographic methods.

For additional information, refer to side heading 34, first and last paragraphs of this review report.

44. Comparison with Existing Topographic Quadrangles:

1. Topographic map of Wushagak District, Alaska, USGS, scale 1:250,000, surveyed 1930-31, reprinted 1940.
2. AAF Preliminary Base, compiled by USGS from trimetrogon photography (1940-43), scale 1:500,000, Naknek (136A), Alaska.

45. Comparison with Nautical Charts.-

1. Nautical Chart No. 8502, scale 1:1,023, 188 at latitude 56°00', August, 1944 (17th Edition).
2. Nautical Chart No. 8502, scale 1:969,761 at latitude 58°00', August, 1944 (11th Edition).

47. Adequacy of the Compilation.-The map compilation is complete ~~and adequate, especially~~ along the Naknek River where a detailed field survey was made by the Ship PATHFINDER. To denote more fully the extensive drainage system in the inland area and to distinguish the tundra from the muskies or marsh areas is not feasible unless supplemented by field inspection; therefore, only the evident streams and their main laterals, including the numerous ponds, are noted on the map manuscript.

\* The shoreline and immediate vicinity meet the National Standards of Map Accuracy. The interior delineation complies with the project instructions and is adequate for use as a base for hydrographic surveys and for the construction of nautical charts.  
Reviewed by:

Charles Manavich  
Charles Manavich  
7-20-49

APPROVED BY:

S. V. Griffith  
Chief, Review Section

H. Edmonston  
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Division of Charts

B. J. Jones  
Chief, Div. of Photogrammetry

Earl O. Heaton  
Chief, Div. of Coastal Surveys

AK7



DEPARTMENT OF THE ARMY  
 OFFICE OF THE ASSISTANT CHIEF OF STAFF, G-2, INTELLIGENCE  
 WASHINGTON 25, D. C.

G2-TMP/2769

26 May 1953

MEMORANDUM FOR: DIRECTOR, U. S. COAST AND GEODETIC SURVEY, DEPARTMENT  
 OF COMMERCE  
 ATTENTION: Administrative Planning Section  
 SUBJECT: Classification Clearance of USC&GS Nautical Chart Manuscripts

1. Reference is made to your letter, 734-cf1, dated 4 May 1953, submitting chart manuscripts T-9069, T-9575, T-9576, T-9577 and T-9885 for security review.

2. The manuscripts are returned herewith. They have been reviewed by Headquarters Alaskan Command and there is no objection to their publication in unclassified form provided the aircraft revetments at Naknek Air Force Base, (see paragraph 3.a.(1), AFR 205-14), outlined in red, are deleted.

1 Incl  
 5 USC&GS nautical  
 chart manuscripts

*T. W. Tiedeman, Lt Col. USAF*  
 for A. C. BOATSMAN  
 Colonel, GS  
 Chief, Training Division

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, (Title 18, U. S. C., Sections 793 and 794). The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
 DATE 10/15/01 BY 60322 UCBAW/SMP



## 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

T-9038 thru T-9040  
9044 " 9047  
9054 " 9057  
9064, -9065, -9070  
9071, -9074, -9075  
9227 thru 9253

### Ph-8A(46), PLANIMETRIC

T-9041 thru T-9043  
9048 " 9053  
9058 " 9063  
9066 " 9069  
9072, -9073  
9076, -9078

### Ph-8B(46), SHORELINE

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