9896-789 9900-02 11292

9896-7&9 9900-2 11292

Diag. Cht. No. 8252-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Field No. Ph-49 (49) *Office No.* T-9896-9897 T-9899-9902 T-11292

LOCALITY

State Territory of Alaska

General locality Peril Strait

Locality Kakul Narrows to Ushk Bay

1942-52

CHIEF OF PARTY

L. C. Johnson, 1950
J. P. Lushene, 1952

F.A.Riddell, Portland Photo. Office

LIBRARY & ARCHIVES

DATE March 6, 1957

8-1870-1 (1)

T- 9896 thru T-9902

Project No. (II): Ph-49(49) Quadrangle Name (IV):

Field Office (II): Ship "PATTON" Chief of Party: L. C. Johnson, 1950 Joseph P. Lushene, 1952

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Fred A. Riddell

Instructions dated (II) (III): 5 August 1947 (field)
14 March 1950 (field)
17 August 1951 (office)
14 April 1947 (suppl.)

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): OCT 27 1953 Date reported to Nautical Chart Branch (IV): DEC 7 1953

Applied to Chart No. Date: Date registered (IV):

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

Geographic Datum (III): N.A. 1927 Vertical Datum (III): X

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): See reverse side of this page

Lat.: Long.: Adjusted / Unadjusted

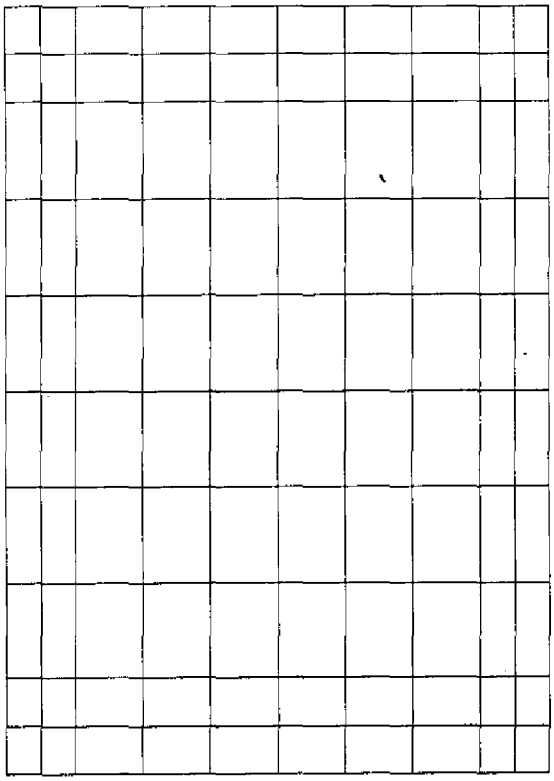
Plane Coordinates (IV): State: Zone:

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-9896 - RANCE, 1952	Lat.	57°	33'	57.467"	1777.8m	(78.4m)	(Field
	Long.	135°°	36'	37.715"	627.0m	(370.5m)	Comp.)
T-9897 - Same as above							
T-9898 - CHIEF, 1952	Lat.	57°	31'	46.235"	1430.3m	(425.9m)	(Field
	Long.	135°	29'	30.119"	501.2m	(497.3m)	Comp.)
T-9899 - OPASNI, 1952	Lat.	57°	27'	35.408"	1095.4m	(760.8m)	(Field
	Long.	135°	32'	32.171"	536.3m	(464.0m)	Comp.)
T-9900 - SHOAL 2, 1950	Lat.	57°	24'	35.841"	1108.8m	(747.4m)	(Field
	Long.	135°	37'	22.432"	374.5m	(627.3m)	Comp.)
T-9901 - GALLEY, 1950	Lat.	57°	22'	40.310"	1247.0m	(609.1m)	(Field
	Long.	135°	32'	50.831"	849.4m	(153.2m)	Comp.)
T-9902 - EDUCE, 1950	Lat.	57°	21'	50.700"	1568.4m	(287.7m)	(Field
	Long.	135°	31'	55.044"	920.1m	(82.8m)	Comp.)



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

DATA RECORD

Field Inspection by (II): William C. Russell (Salisbury Sd. to Pt. Sirai) Date: Season 1950
Edmund L. Jones
Pt. Sirai, NE to Nismeni Cove (NE. proj. limit) 21 May -
T-9900 T-11292 10 Sept. 1952

M.H.W.L.
Planetable ~~contouring~~ by (II): William D. Barbee Date: 16 June -
H-7986 Deadman Reach thru Nismeni Cove 10 Oct. 1952

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Field inspection 1950 and 1952.

Projection and Grids ruled by (IV): Date:

Projection and Grids checked by (IV): Date:

Control plotted by (III): J. L. Harris & Roy A. Davidson Date: December 1951
March 1952

Control checked by (III): J. L. Harris & Roy A. Davidson Date: December 1951
March 1952

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris & Roy A. Davidson Date: December 1951
March 1952

Planimetry Date:

Stereoscopic Instrument compilation (III):

Contours Date:

Manuscript delineated by (III):

T-9896	L.L. Graves	Feb. 1953
T-9897	V. E. Serena	Mar. 1953
T-9898	V.E. Serena	Mar. 1953
T-9899	C.C. Wiebe	Feb. 1953
T-9900	L.L. Graves	Feb. 1953
T-9901	V.E. Serena	Feb. 1953
T-9902	L.L. Graves	Feb. 1953

Photogrammetric Office Review by (III): Date:

J. E. Deal (T-9897, T-9899) August 1953
C. C. Wiebe (All others) October, 1953

Elevations on Manuscript checked by (II) (III): None 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
9471 to 9476 Incl.	7/8/42	10:38	1:10,000	6.6 ft. above M.L.L.W.
9533 to 9537 "	7/8/42	11:10	1:10,000	6.5 ft. above M.L.L.W.
10580 to 10606 "	7/31/42	3:10	1:10,000	10.5 ft. above M.L.L.W. ok
10618 to 10641 "	7/31/42 ✓	3:50	1:10,000	11.6 ft. above M.L.L.W. ok
Single lens				
SEA 140 031 to 034	8/25/48	unknown	1:10,000(ratio)	low-water
SEA 124 100 to 102	8/14/48	"	1:10,000(ratio)	low-water

Tide (III)*

		MHW	Ratio of Ranges	Diurnal Mean Range	Diurnal Spring Range	Time
Reference Station:	SITKA, ALASKA			7.7	9.9	
Subordinate Station:	BEAR BAY (T-9899) (T-9900)	11.5	1.4	11.2	13.6	+0:30
Subordinate Station:	KAKUL NARROWS (T-9900)		1.0	7.8	10.0	+0:10
Ref Sta	Juneau			14.0	16.6	
Sub "	Pogibshi Anchorage (T-9896-7; T-11292)	14.00	0.9	12.4	15.0	+0:05

Washington Office Review by (IV): Lena T. Stevens — Date: 27 Jan. 1954

Final Drafting by (IV): Robinson, A.T. 9901; Robinson, A.T. 9897; Robinson, A.T. 9896; Robinson, A.T. 9900; Robinson, A.T. 9899 — Robinson A.T. 9902 — 9-8-54; Robinson A.T. 11292 — 9-13-54 — Date: 7-2-54; 7/13/54; 7/18/54; 7/25/54; 8/30/54; 7-29-54

Drafting verified for reproduction by (IV): T-9896 W.O. Hallein; T-9897 W.O. Hallein; T-9900 W.O. Hallein; 9899 W.O. Hallein; 9901 W.O. Hallein; 11292 W.O. Hallein — Date: 7-30-54; 7-27-54; 8-31-54

Proof Edit by (IV): — Date: 9-7-54; 9-23-54

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

Shoreline (More than 200 meters to opposite shore) (III): 149

Shoreline (Less than 200 meters to opposite shore) (III): 11

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): Recovered: 119 Identified: 49

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

Number of Recoverable Photo Stations established (III): None

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

Remarks: Values resulting from study of 1952 field data. (compare 1952 values w. 1953 values)

M-2618-12(4)

Summary to Accompany T-9896, T-9897,
T-9899, T-9900, T-9901, T-9902, T-11292

These seven surveys cover the northern part of project Ph-49(49) and include that part of Peril Strait between Kalkul Narrows and Rodgers Point.

Project Ph-49(49) is a graphic compilation project. Field work in advance of compilation included the establishment of horizontal control and the inspection of shoreline. This work was done in conjunction with hydrographic surveys in 1950, 1951, and 1952, Project CS-247.

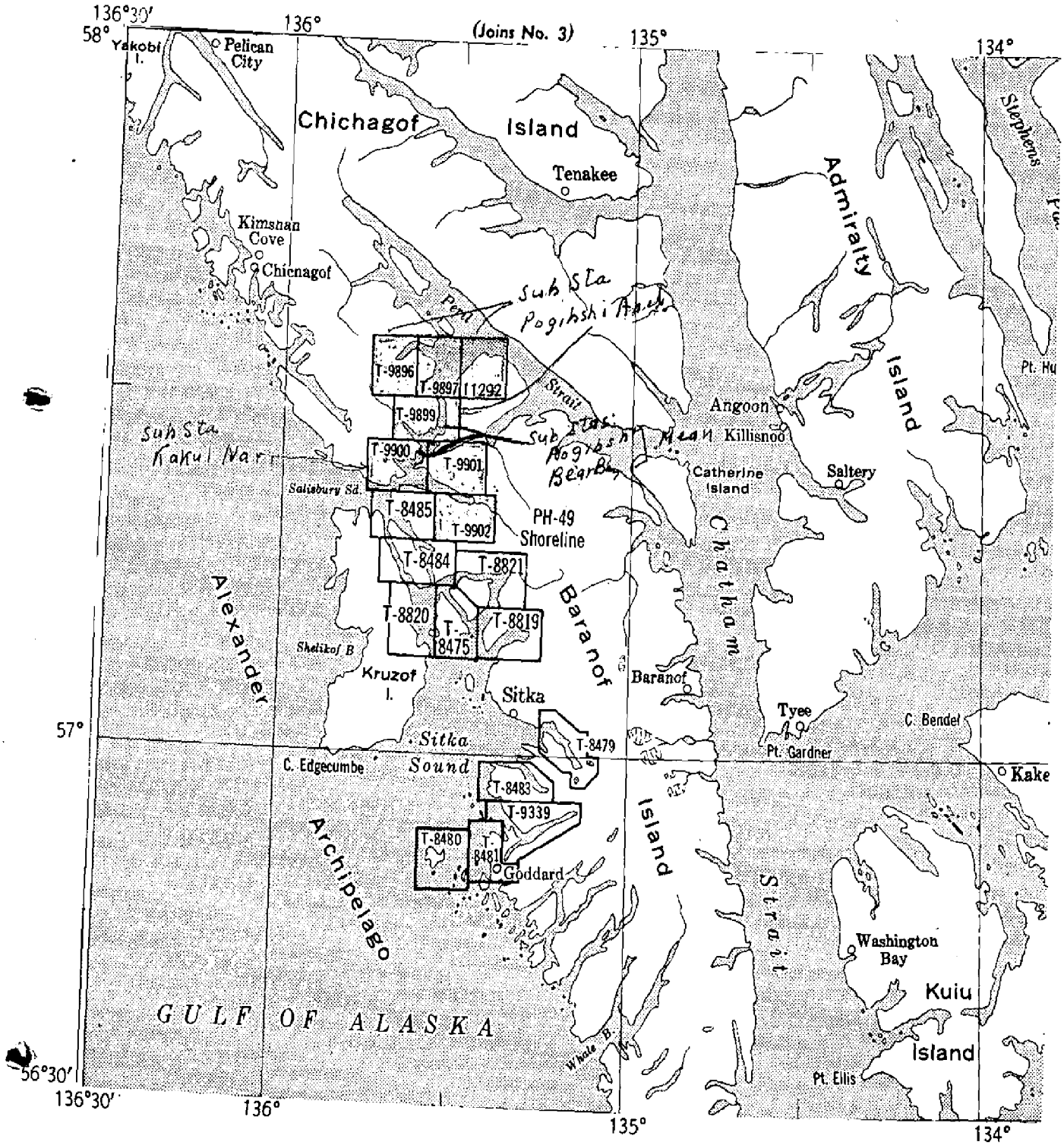
The surveys in this group were compiled at a scale of 1:10,000 using nine-lens photographs taken in 1942, except in the most northeastern section (T-9897 and T-11292) where single-lens Army photographs taken in 1948 were used.

Items registered under these T-numbers will include a cloth-mounted lithographic print of each map manuscript and the combined descriptive report for the group.

SHORELINE MAPPING PROJECT PH-49 (49)

ALASKA, Vicinity of Sitka Sound

Compilation scale 1:10,000



FIELD INSPECTION REPORT T-11292 replaces T-9898

Map Manuscripts T-9896 thru T-9902

Project Ph-49(49)

Refer to Field Reports titled:

Photogrammetric

RS-385

S. E. Alaska

Salisbury Sound and Peril Strait

Eastern part of Salisbury Sound, Kakul Narrows, Suloia Bay and Serguis Narrows

1950

L. C. Johnson, Chief of Party

and

Shoreline

CS-247

Alaska

Peril Strait

Pogibshi Point

1952

Joseph P. Lushene, Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

T-11292 replaces T-9898

Map Manuscripts T-9896 thru T-9902

Project Ph - 49(49)

21. AREA COVERED:

This radial plot covers the shorelines of Peril Strait, Fish Bay, Deep Bay, and Ushk Bay in southeast Alaska. It comprises Map Manuscripts No's. T-9896 thru T-9902.

22. METHOD:

Methods used were the same as those described in sub-heading 22 of the Photogrammetric Plot Report for T-8475 and T-8819 thru T-8821. This report is included in the Descriptive Report for T-8475, Project Ph-49(49) (1948 and 1949).

The following exception is noted:

The area was adequately covered by 9 lens photographs except for the west shoreline north of Ushk Bay on T-9897 and all of ~~T-9898~~. For these places single lens 4:1 ratio prints of 1948 photography were available. The detail on these prints is vague, radials are uncertain because of lens and paper distortion, and the pricking of horizontal control stations is questionable.

23. ADEQUACY OF CONTROL:

The field indentification of stations was satisfactory and an adequate number of horizontal control stations were available. Along the west shoreline north of Ushk Bay in T-9897 the horizontal control stations were supplemented by sextant fix locations which are entered in H-7988, Volume 5 pages 27 and 53. These sextant fix locations were identifed at the Photogrammetric Office.

Sub-station MENTO, 1951 could not be held. There is a disagreement in data on pricking card as to whether a right of left angle was measured. Neither will hold and the difficulty could not be resolved.

24. SUPPLEMENTAL DATA:

Graphic control surveys in the area of this radial plot are

Letter 17 Oct. 1952: Number dropped, shoreline compilation unnecessary (except in SW corner) because a planetable shoreline was made for H-7985 which covers the greater part of T-9898. Preliminary RS-387 had proved to be too generalized for use. T-11292 furnishes photogrammetric shoreline in the gap between T-9897 and H-11292. LTS. Jan. 1953

assfollows:

PA-A-51	Scale 1:5000
PA-A-52	Scale 1:5000
PA-B-52	Scale 1:5000
PA-C-52	Scale 1:10,000

For supplementry control stations used to control the radial plot refer to sub-heading 3, "Horizontal Control" of the 1952 Field Report.

25. PHOTOGRAPHY:

Except as previously stated under sub-heading 22 "Method" the photography was adequate for coverage.

There were no fiducial marks on the photographs for use in correcting tranforming errors and paper distortion.

A period of 10 years had elapsed between the time of photography and the running of the radial plot.

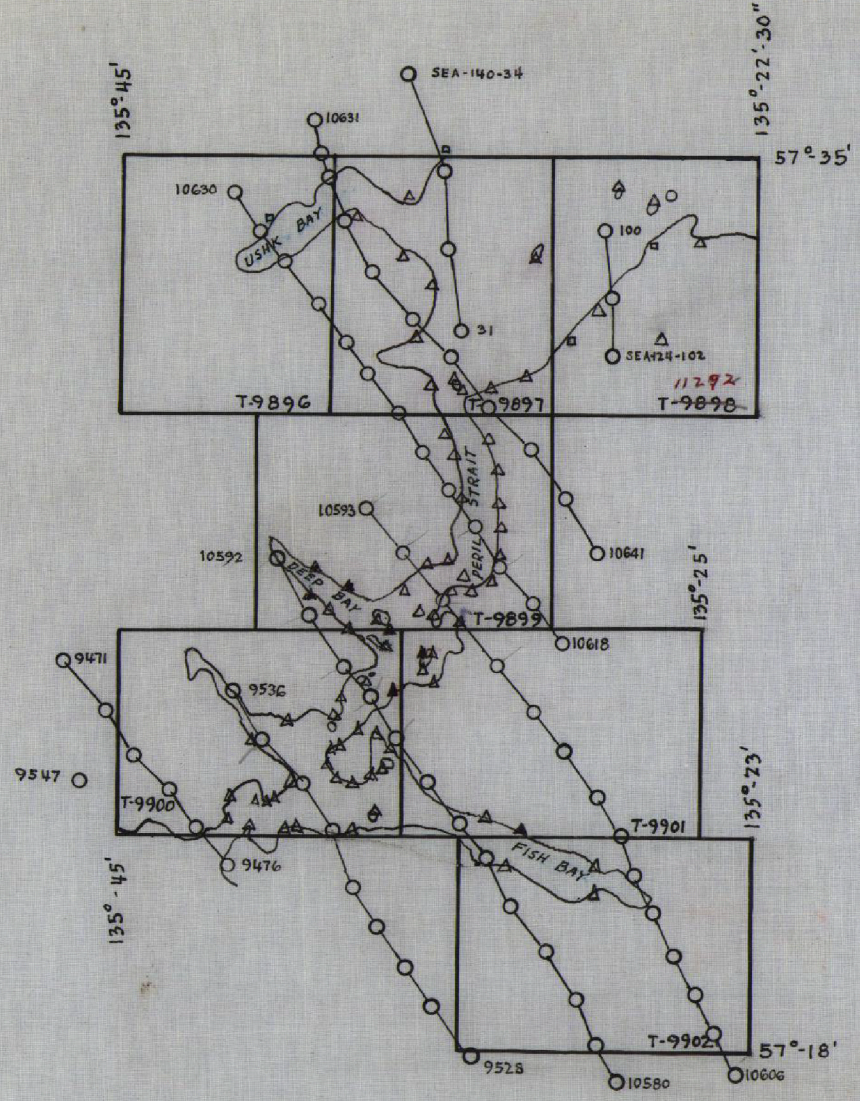
Approved and forwarded;

Fred A. Riddell
Officer-in-Charge

Respectfully submitted;

J. Edward Deal Jr.

J. Edward Deal, Jr.
Cartographer



LEGEND

△ TRIANGULATION STATIONS

□ TOPOGRAPHIC STATIONS USED IN RADIAL PLOT

10630 ○ 1942 NINE LENS PHOTOGRAPHS

SEA-140-34 ○ 1948 SINGLE LENS PHOTOGRAPHS

SKETCH SHOWING AREA OF RADIAL PLOT T-9896 TO T-9902 INCLUSIVE PROJECT PH-49(49)

Photogrammetry

MAP T-9897 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
OAR 2, 1952	Field Comp.	N.A. 1927	57° 30' 42.685		Plotted	1320.5 (535.7)	
			135° 33' 04.108			68.4 (930.5)	
OAR 2, Sub. Sta. "a"	G9743	"	57° 30'			1344.7 (511.5)	
	"	"	135 33			32.1 (966.8)	
KIL 2, 1952	"	"	57 30 39.465			1220.9 (635.3)	
			135 34 00.119			02.0 (997.0)	
NUN 2, 1952	"	"	57 31 25.344			784.0 (1072.2)	
			135 34 21.093			351.1 (647.6)	
NUN 2 Sub. Sta.	"	"	57 31			767.4 (1088.8)	
			135 34			392.7 (606.0)	
GIRL 2, 1952	"	"	57 32 24.626			761.8 (1094.4)	
			135 33 47.186			785.0 (213.2)	
GIRL 2 Sub. Sta.	"	"	57 32			489.8 (1366.4)	
			135 33			887.1 (111.1)	
BER (USGS) 1952	"	"	57 32 24.848			768. 7 (1087.5)	
			135 33 47.174			784.8 (213.4)	
JOG 2, 1952 ?	"	"	57 35 44.233	interior		1368.4 (487.8)	
			135 30 31.990			531.4 (465.2)	
HOGAT 1952	"	"	57 33 04.632			143.3 (1712.9)	
			135 30 30.220			502.6 (495.3)	
HOGAT Sub. Sta. "b"	"	"	57 33			206.3 (1649.9)	
			135 30			418.7 (579.2)	
N.E. BASE 1895 POGIBSHI ANCHORAGE	"	"	57 30 41.462			1282.7 (573.5)	
			135 30 59.631			992.8 (6.1)	

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1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 12/10/52

M-2388-12

Photogrammetry

MAP T-9897 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
N.E. BASE 1895	Field	N.A.	57 30			1273.9 (582.3)	
Sub. Sta. "e" ×	Comp.	1927	135 31			22.8 (976.1)	
S.W. BASE 1895	"	"	57 30 24.403			754.9 (1101.3)	
POGIBSHI ANCHORAGE			135 32 14.263			237.5 (761.6)	
S.W. BASE 1895	"	"	57 30			851.0 (1005.2)	
Sub. Sta. "a"			135 32			245.7 (753.4)	
SIDE 1952	"	"	57 33 13.249			409.9 (1446.3)	
			135 34 46.781			778.0 (219.8)	
SIDE	"	"	57 33			310.1 (1546.1)	
Sub. Sta. "a"			135 34			760.9 (236.9)	
USHK 1952	"	"	57 34 12.309			380.8 (1475.1)	
			135 35 12.485			207.5 (789.9)	
USHK	"	"	57 34			430.1 (1426.1)	
Sub. Sta. "a"			135 35			300.5 (696.9)	
RANCE 1952	"	"	57 33 57.467			1777.8 (78.4)	
			135 36 37.715			627.0 (370.5)	
RANCE	"	"	57 33			1748.6 (107.6)	
Sub. Sta. "a"			135 36			562.6 (434.9)	
POVOROTNI	"	"	57 30 52.629			1628.1 (228.1)	
ISLAND LIGHT			135 33 12.371			206.0 (792.8)	
GEM 1952	"	"	57 34 38.406	9896		1188.2 (668.0)	
			1 35 37 45.242			751.9 (245.3)	
FOR 1952	"	"	57 33 55.220			1708.3 (147.9)	
			135 30 54.834			911.6 (85.9)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 12/10/52

M-2388-12

MAP T- 9897 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
✓ DOL 1952	Field Comp.	N.A. 1927	57 33 25.329 135 32 42.040			783.6 (1072.6) 699.1 (298.6)	
✓ ROG 1952 hy?	"	"	57 34 59.302 135 33 34.684			1834.6 (21.6) 576.3 (420.6)	
✓ ANA 1952 hy.	"	"	57 31 02.976 135 30 18.330			92.1 (1764.0) 305.1 (693.7)	
R.M. #1 (RIM) ✓ S.W. BASE POGIBSHI ANCHORAGE	"	"	57 30 25.043 135 32 14.679			774.7 (1081.4) 244.4 (754.6)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 12/10/52

M-2388-12

Photogrammetry

MAP T-9898 11292 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
CHIEF 2, 1952	Field Comp.	N.A: 1927	57 31 46.235			1430.3 (425.9)	
			135 29 30.119			501.2 (497.3)	
CHIEF 2,1952 Sub. Sta. "i"	"	"	57 31			1494.5 (361.7)	
			135 29			440.5 (558.0)	
ELOVOI 1952	"	"	57 33 55.043			1702.9 (153.3)	
			135 27 59.533			989.7 (7.8)	
BROAD 1952	"	"	57 35 09.304			287.8 (1568.4)	
			135 23 28.668			476.4 (520.5)	
COVE 1952	"	"	57 33 48.816			1510.2 (346.0)	
			135 24 35.979			598.2 (399.4)	
COVE 1952 Sub. Sta. "a"	"	"	57 33			1493.2 (363.0)	
			135 24			557.8 (439.8)	
CROSS 1928	"	"	57 31 22.741			703.5 (1152.7)	
			135 27 35.443			589.9 (408.8)	
CRO (TOPO STATION)	"	"	57 32 40.424			1250.6 (605.6)	
			135 27 56.321			936.8 (61.2)	
CRO 1952 Sub. Sta. "a"	"	"	57 32			1256.3 (599.9)	
			135 27			956.1 (41.9)	
MAN (TOPO STATION)	"	"	57 33 27.612			854.2 (1002.0)	
			135 26 38.392			638.4 (359.3)	
MAN Sub. Sta. "a"	"	"	57 33			877.2 (979.0)	
			135 26			578.7 (419.0)	
OTSTOIA ISLAND LIGHT	"	"	57 33 42.405			1311.8 (544.4)	
			135 26 54.144			900.2 (97.4)	

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1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 12/11/52

MAP T-9898//2 7 2 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
BEL, 1952	Field Comp.	N.A. 1927	57 31 25.728 135 29 48.300			795.9 (1060.3) 803.9 (194.7)	
BEL Sub. Sta. "a"	"	"	57 31 135 29			806.7 (1049.5) 785.0 (213.6)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 12/11/52

M-2388-12

Photogrammetry

MAP T- 9899 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
ROSE 1952	Field Comp.	N.A. 1927	57 27 15.622			483.3 (1372.9)	
			135 32 33.653			561.2 (439.3)	
FAY 2, 1952	"	"	57 27 12.092			374.1 (1482.1)	
			135 31 48.790			813.6 (186.9)	
GIST 2, 1952	"	"	57 27 29.292			906.2 (950.0)	
			135 31 48.557			809.6 (190.8)	
OPASNI 1952	"	"	57 27 35.408			1095.4 (760.8)	
			135 32 32.171			536.3 (464.0)	
LING 2, 1952	"	"	57 28 10.440			323.0 (1533.2)	
			135 31 52.208			870.2 (129.9)	
HUNCH 2, 1952	"	"	57 28 47.732			1476.6 (379.6)	
			135 32 46.818			780.2 (219.6)	
INN 2, 1952	"	"	57 28 46.957			1452.7 (403.5)	
			135 31 51.430			857.0 (142.8)	
INN 2, 1952 Sub. Sta. "a"	"	"	57 28			1478.9 (377.3)	
			135 31			852.3 (147.5)	
LING 2, 1952 Sub. Sta. "a"	"	"	57 28			311.5 (1544.7)	
			135 31			860.5 (139.6)	
MAT 2, 1952	"	"	57 29 32.105			993.2 (863.0)	
			135 32 22.673			377.7 (621.8)	
MAT 2, 1952 Sub. Sta. "a"	"	"	57 29			951.3 (904.9)	
			135 32			357.9 (641.6)	
GOAL 2, 1952	"	"	57 29 34.817			1077.1 (779.1)	
			135 33 07.575			126.2 (873.3)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/30/52

M-2388-12

Photogrammetry

MAP T- 9899 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
YELLOW PT. ROCK DAY BEACON, 1951	G-9244 P-3	N.A. 1927	57 26 57.449 135 33 05.872				1777.2 98.0	(78.9) (902.6)		
ROSE ISLAND ROCK LIGHT, 1952	Field Comp.	"	57 27 17.086 135 32 17.000				528.5 283.5	(1327.6) (717.0)		
ROSE CHANNEL ROCK DAY BEACON, 1952	"	"	57 27 41.598 135 32 51.520				1286.9 858.9	(569.3) (141.4)		
MULE, 1895	"	"	57 28 01.583 135 32 59.634				49.0 994.1	(1807.2) (6.1)		
FEAT, 1895	G-549 P-584	"	57 26 55.228 135 31 57.455				1708.5 958.2	(147.7) (42.4)		
FOWL, 1951	G-9244 P-2	"	57 27 10.944 135 33 19.280				338.6 321.5	(1517.6) (679.0)		
FOWL, 1951 Sub. Sta. "a"		"	57 27 135 33				341.9 341.6	(1514.3) (658.9)		
FETCH, 1895	G-9244 P-2		57 26 54.951 135 32 58.324				1700.0 972.7	(156.2) (27.9)		
ROB 2, 1951	" P-1	"	57 26 00.130 135 34 56.306				4.0 939.4	(1852.1) (61.6)		
MIDDLE 2, 1951	"	"	57 26 20.200 135 34 07.923				624.9 132.1	(1231.3) (868.9)		
ARTHUR 2, 1951	"	"	57 26 54.650 135 34 38.593				1690.7 643.7	(165.5) (357.0)		
YELLOW 2, 1951	" P-2	"	57 26 53.006 135 33 35.337				1639.8 589.4	(216.4) (411.3)		

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/30/52

M-2388-12

MAP T- 9899 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
JAW 2, 1951	G-9244	N.A.	57 27 12.973			401.3 (1454.8)	
	P-2	1927	135 33 55.045			917.9 (2.6)	
MIDDLE POINT	"	"	57 26 21.840			675.6 (1180.5)	
LIGHT, 1951	P-3.		135 34 21.534			359.2 (641.7)	
HEART, 1951	"	"	57 26 11.429			353.6 (1502.6)	
	P-4		135 35 36.157			603.2 (397.8)	
DRINK, 1951	"	"	57 26 13.737			425.0 (1431.2)	
	P-4		135 36 48.204			804.1 (196.8)	
KAPOK, 1951	"	"	57 26 27.368			846.7 (1009.5)	
			135 36 18.468			308.1 (692.8)	
MASON, 1951	"	"	57 26 45.512			1408.0 (448.2)	
			135 37 04.652			77.6 (923.1)	
LANCE, 1951	"	"	57 26 31.397			971.3 (884.9)	
			135 37 45.856			764.8 (235.9)	
GREEN, 1951	"	"	57 27 03.939			121.8 (1734.3)	
			135 38 15.354			256.1 (744.6)	
MENTO, 1951	"	"	57 26 06.584			203.7 (1652.5)	
			135 33 02.868			47.8 (953.2)	
MOO, 1951 —	Field		57 26 07.28			225.2 (1630.9)	
	Comp.		135 35 17.27			288.1 (713.0)	
CAB, 1951	"	"	57 26 14.81			458.2 (1398.0)	
			135 34 02.24			37.4 (963.6)	
SET, 1951	"	"	57 26 08.03			248.4 (1607.7)	
			135 36 14.52			242.2 (758.8)	

1 FT. = .3048006 METER

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COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/30/52

Photogrammetry

MAP T- 9899 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
TOM, 1951	Field	N.A.	57 26 05.81			179.7 (1676.4)	
	" Comp.	1927	k35 36 07.86			131.1 (869.9)	
NIT, 1951	" 7G-9244? 9/45 10003	"	57 26 36.88	Position does not agree		1140.9 (715.2)	
			135 36 38.41	with Angles in G-9244 R.E.E. 5-16-55		640.8 (360.1)	
YES, 1951	"	"	57 26 23.40			723.9 (1132.3)	
			135 36 02.16			36.0 (964.9)	
HER, 1951 (1)	"	"	57 26 57.00			1763.4 (92.8)	
			135 38 50.17			836.7 (163.9)	
VIM, 1951	"	"	57 26 58.75			1817.5 (38.7)	
			135 37 33.44			557.6 (443.2)	
ODD, 1951	"	"	57 26 42.83			1325.0 (531.2)	
			135 38 14.26			237.8 (762.8)	
WHO, 1951	"	"	57 26 18.94			585.9 (1270.2)	
			135 35 48.68			812.1 (188.9)	
PIE, 1951	"	"	57 26 21.40			662.0 (1194.1)	
			135 37 21.42			357.3 (643.6)	
DAW, 1951	"	"	57 26 11.51			356.1 (1500.1)	
			135 33 41.52			692.7 (308.3)	
TAX, 1951	"	"	57 26 54.56			1687.9 (168.3)	
			135 34 46.56			776.5 (224.3)	
ZAG, 1951	"	"	57 26 31.95			988.4 (867.8)	
			135 35 56.26			938.5 (62.4)	
PIN, 1951	"	"	57 26 12.03			372.2 (1484.0)	
			135 34 59.25			988.5 (12.3)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/30/52

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Photogrammetry

MAP T- 9899 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
BIG, 1951 ✓	Field	N.A.	57 26 26.39			816.4 (1039.8)	
	Comp.	1927	135 35 42.42			707.6 (293.3)	
JUG, 1951 ✓	"	"	57 26 35.37			1094.2 (762.0)	
			135 35 46.66			778.3 (222.5)	
SIR, 1951 ✓	"	"	57 26 34.82			1077.2 (779.0)	
			135 33 50.32			839.3 (161.5)	
LIP, 1951 ✓	"	"	57 26 45.80			1416.9 (439.3)	
			135 35 04.48			74.7 (926.0)	
(1) BUS, 1951 ✓	"	"	57 27 07.89			244.1 (1612.1)	
			135 34 26.79			446.6 (553.8)	

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1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/30/52

MAP T- 9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
FINAL, 1950	G-8876 pg 6	N.A. 1927	57 24 17.879 135 36 11.101			553.1 (1303.1) 185.4 (816.5)	
GRAG, 1895 - 1950	" pg 7	"	57 24 03.344 135 37 53.378			103.4 (1752.8) 891.4 (110.6)	
ILAND, 1950	"	"	57 23 53.275 135 39 26.012			1648.1 (208.0) 434.4 (567.7)	
BOON 2, 1950	"	"	57 24 20.763 135 39 02.271			642.3 (1213.9) 37.9 (964.0)	
SERGIUS 2, 1950	"	"	57 24 27.716 135 37 57.262			857.4 (998.8) 956.1 (45.7)	
SHE 2, 1950	"	"	57 24 13.633 135 36 49.554			421.8 (1434.4) 827.5 (174.4)	
TODDY, 1950	"	"	57 23 50.641 135 40 17.976			1566.6 (289.5) 300.2 (701.9)	
UNDER, 1950	" pg 8	"	57 24 23.560 135 40 31.072			728.9 (1127.3) 518.8 (483.0)	
STROP, 1950	"	"	57 24 28.786 135 37 45.206			890.5 (965.7) 754.6 (247.0)	
MOUNTAIN 2, 1950	"	"	57 24 33.051 135 36 17.895			1022.5 (833.7) 298.8 (703.0)	
SHOAL 2, 1950	"	"	57 24 35.841 135 37 22.432			1108.8 (747.4) 374.5 (627.3)	
SERGIUS NARROWS LIGHT, 1950	"	"	57 24 28.85 135 37 45.12			892.5 (963.7) 753.4 (248.4(	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: RAD DATE DEC. 1951 CHECKED BY: HJA DATE 12/25/51

MAP T- 9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
WINDS, 1950	G-8876 pg 4	N.A. 1927	57 22 01.272 135 43 18.184			39.4 (1816.7) 303.9 (699.0)	
GRIP, 1896 - 1950	"	"	57 22 09.830 135 42 09.643			304.1 (1552.0) 161.2 (841.6)	
BORE 2, 1950	"	"	57 22 16.849 135 41 08.695			521.2 (1334.9) 145.3 (857.5)	
CLOCK 2, 1950	"	"	57 22 25.958 135 41 33.625			803.0 (1053.1) 561.9 (440.8)	
ACHE 2, 1950	"	"	57 22 35.870 135 41 10.827			1109.7 (746.4) 180.9 (821.8)	
GEMOT, 1950	"	"	57 22 24.779 135 40 55.313			766.6 (1089.5) 924.4 (78.3)	
FRESH, 1950	"	"	57 23 05.420 135 40 43.654			167.7 (1688.4) 729.3 (273.2)	
STRUYA, 1950	" pg 5	"	57 22 52.275 135 40 04.060			1617.2 (238.9) 67.8 (934.8)	
STRONG, 1950	"	"	57 22 28.132 135 39 34.570			870.3 (985.8) 577.7 (425.0)	
COVEY, 1950	"	"	57 23 06.668 135 39 57.054			206.3 (1649.8) 953.2 (49.2)	
ACTIVE, 1950	"	"	57 22 03.308 1 35 39 58.061			102.3 (1753.8) 970.5 (32.4)	
CLOUD, 1950	"	"	57 22 52.578 135 39 48.767			1626.5 (229.6) 814.8 (18717)	

1 FT. = .3048006 METER

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COMPUTED BY: RAD DATE DEC. 1951 CHECKED BY: HJA DATE 12/29/51

Photogrammetry

MAP T- 9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
KAKUL NARROWS LIGHT, 1950	C-8876 pg 5	N.A. 1927	57 22 27.109 135 40 54.449			838.6 (1017.5) 910.0 (92.7)	55
RANGE, 2, 1950	"	"	57 22 30.831 135 39 18.670			953.8 (902.3) 312.0 (690.7)	
CLIP 2, 1950	"	"	57 22 25.135 135 37 31.221			777.6 (1078.5) 521.8 (480.9)	
CABAL, 1950	"	"	57 23 35.378 135 37 46.213			1094.5 (761.7) 771.9 (230.3)	
ABYSS, 1950	"	"	57 23 17.257 135 37 03.408			533.9 (1322.2) 56.9 (945.5)	
SULOIA 2, 1950	" pg 6	"	57 23 25.647 135 38 52.615			793.4 (1062.7) 878.9 (1231.4)	
BLUFF, 1950	"	"	57 23 10.582 135 36 44.959			327.4 (1528.7) 751.1 (251.3)	
HALEY, 1950	"	"	57 22 20.190 135 36 13.429			624.6 (1231.5) 224.4 (778.3)	
SCHULZE, 1950	"	"	57 23 18.427 135 36 16.323			570.1 (1286.0) 272.7 (729.7)	
PIPER, 1950	"	"	57 23 25.977 135 35 45.094			803.6 (1052.5) 753.3 (249.0)	
EATER, 1950	"	"	57 23 43.768 135 36 13.125			1354.0 (502.2) 219.2 (782.9)	
DEBUT, 1950	"	"	57 24 00.570 135 35 44.290			17.6 (1828.6) 739.6 (262.4)	

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1 FT. = .3048006 METER M-2388-12

COMPUTED BY: RAD DATE DEC., 1951 CHECKED BY: HJA DATE 12/28/51

MAP T- 9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
BAR, 1896	G-549	N.A.	57 22 54.299			1679.8 (176.3)	
	583	1927	135 39 37.763			631.0 (371.5)	
CHANNEL, 1896-1928	"	"	57 22 21.809			674.7 (1181.4)	
			135 40 56.529			944.7 (58.1)	
GRIP, 1896, 1925, 1928	"	"	57 22 09.623			303.9 (1552.2)	
			135 42 09.646			161.2 (841.6)	
ACE, 1896	"	"	57 23 23.383			723.4 (1132.7)	
	584		135 37 38.588			644.6 (357.7)	
CORN, 1895	C-549	"	57 24 04.107			127.1 (1729.1)	
	582		135 37 25.164			420.2 (581.8)	
FISH, 1895, 1896	"	"	57 23 40.452			1251.4 (604.8)	
			135 37 47.438			792.4 (209.8)	
LIESNOI 2, 1951	G-9244	"	57 25 08.321			257.4 (1598.6)	
	P 1		135 36 16.827			280.9 (720.7)	
SIROI 2, 1951	"	"	57 25 09.508			294.1 (1561.9)	
			135 35 13.389			223.5 (778.1)	
LITTLE, 1895, 1951	"	"	57 25 40.987			1268.0 (588.2)	
			135 35 30.264			505.0 (496.2)	
DEEP BAY ENTRANCE DAYBEACON, 1951	"	"	57 25 59.106			1828.5 (27.6)	
	P 3		135 35 29.719			495.9 (505.2)	
ELOPE, 1951	"	"	57 25 59.958			1854.9 (01.3)	
	P 4		135 36 07.612			127.0 (874.1)	
BOX, 1951	Field	"	57 25 03.26			100.9 (1755.3)	
	Comp.		135 37 16.70			278.7 (722.7)	

1 FT.=.3048006 METER

M-2388-12

COMPUTED BY: RAD & JLH DATE DEC. 1951 JAN. 1952 CHECKED BY: JHA DATE 12/29/51

Photogrammetry

MAP T-9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
CUT, 1951	Field	N.A.	57 25 17.48			540.8 (1315.4)	
	Comp.	1927	135 36 37.63			628.3 (373.2)	
GAD, 1951	"	"	57 24 54.17			1675.8 (180.4)	
			135 35 11.86			198.0 (803.6)	
(1) ZOO, 1951	"	"	57 24 46.34			1433.6 (422.6)	
			135 35 22.84			381.3 (620.4)	
PEP, 1951	"	"	57 25 08.06			249.3 (1606.7)	
			135 35 01.14			19.0 (982.6)	
FEZ, 1951	"	"	57 25 50.38			1558.6 (297.6)	
			135 35 37.04			618.0 (383.1)	
GAS, 1951	"	"	57 25 56.31			1742.0 (114.2)	
			135 35 52.45			875.2 (125.9)	
BOB, 1951	"	"	57 25 52.10			1611.8 (244.4)	
			135 36 09.83			164.0 (837.0)	
DEN, 1950	"	"	57 24 02.53			78.3 (1777.9)	
			135 37 17.66			294.9 (707.1)	
ERA, 1951	"	"	57 25 56.25			1740.2 (116.0)	
			135 36 18.52			309.0 (692.1)	
HUB, 1950	"	"	57 24 02.36			73.0 (1783.2)	
			135 37 42.29			706.2 (295.8)	
IDA, 1951	"	"	57 24 29.79			921.6 (934.6)	
			135 36 22.24			371.4 (630.4)	
KIM, 1950	"	"	57 23 52.77			1632.5 (223.7)	
			135 37 47.33			790.4 (211.6)	

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1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: FAR DATE OCT. 1952 CHECKED BY: VES DATE NOV. 1952

Photogrammetry

MAP T-9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
LEG, 1951 ✓	Field	N.A.	57 24 12.36			382.4 (1473.8)	
	Comp.	1927	135 37 38.22			638.2 (363.7)	
✓ (1) LEO, 1951	"	"	57 24 04.37			135.2 (1720.9)	
			135 37 25.29			422.3 (579.6)	
NAT, 1951 ✓	"	"	57 24 14.03			434.0 (1422.1)	
			135 37 52.70			880.0 (121.9)	
PIX, 1950 ✓	"	"	57 24 01.22			37.8 (1818.4)	
			135 36 55.78			931.5 (70.5)	
POT, 1951 ✓	"	"	57 24 15.07			466.2 (1390.0)	
			135 37 48.34			806.8 (194.9)	
RIG, 1950 ✓	"	"	57 24 19.20			594.0 (1262.2)	
			135 36 28.22			471.4 (530.5)	
✓ SIP, 1951	"	"	57 24 33.34			1031.4 (824.8)	
			135 37 34.99			584.2 (417.5)	
✓ SOW, 1951	"	"	57 24 32.20			996.1 (860.0)	
			135 38 34.03			568.2 (433.6)	
✓ TAN, 1951	"	"	57 24 32.61			1008.8 (847.3)	
			135 38 11.74			196.0 (805.7)	
✓ TAP, 1950	"	"	57 24 11.49			355.5 (1500.7)	
			135 36 36.84			615.2 (386.7)	
✓ WAX, 1950	"	"	57 24 24.90			770.3 (1085.9)	
			135 38 41.63			695.1 (306.7)	
✓ FAR, 1951	"	"	57 24 44.64			1384.1 (472.1)	
			135 35 43.27			722.4 (279.3)	

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1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: FAR DATE OCT., 1952 CHECKED BY: VES DATE NOV., 1952

MAP T-9900 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
HIS, 1951 ✓	Field	N.A.	57 25 33.81			1045.9 (810.2)	
	Comp..	1927	135 35 51.11			853.0 (148.4)	
DOG, 1951 ✓	"	"	57 25 15.27			472.4 (1383.8)	
			135 36 11.88			198.3 (803.2)	
ICE, 1951 ✓	"	"	57 25 42.38			1311.1 (545.1)	
			135 35 48.17			803.8 (197.4)	
(1) FIT, 1951 ✓	"	"	57 23 54.44			1684.2 (172.0)	
			135 37 09.04			151.0 (851.0)	
(1) NED, 1951 ✓	"	"	57 24 00.08			02.5 (1853.7)	
			135 37 15.68			261.9 (740.1)	
ABE, 1951 ✓	"	"	57 24 51.44			1591.7 (264.5)	
			135 37 13.13			219.2 (782.4)	

1 FT. = .3048006 METER

COMPUTED BY: FAR DATE OCT. 1952 CHECKED BY: VES DATE NOV. 1952

Photogrammetry

MAP T- 9901 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
GALLEY, 1950 ✓	G-8876	N.A.	57 22 40.310			1247.0 (609.1)	
	P 6.	1927	135 32 50.831			849.4 (153.2)	
KARAT, 1950 ✓	"	"	57 22 10.079			311.8 (1544.3)	
	P 7		135 30 33.771			564.4 (438.4)	
FOX 2, 1951 ✓	G-9244	"	57 25 37.187			1150.4 (705.7)	
	P 1		135 34 27.983			467.0 (534.3)	
REX 2, 1951 ✓	"	"	57 25 58.233			1801.5 (54.7)	
			135 33 53.361			890.3 (110.8)	
CABLE, 1951 ✓	"	"	57 25 41.598			1286.9 (569.3)	
	P 4		135 34 02.077			34.7 (966.4)	
ABORT, 1951 ✓	"	"	57 25 20.130			622.8 (1233.4)	
	P 5		135 34 28.538			476.3 (525.1)	
DEBIT, 1951 ✓	"	"	57 25 07.581			234.5 (1621.6)	
			135 33 55.666			929.2 (72.4)	
(1) VAL, 1951 ✓	Field	N.A.	57 25 22.22			687.4 (1168.8)	
(Hydro)	Comp.	1927	135 33 38.41			641.1 (360.3)	
(1) USE, 1951 ✓	"	"	57 25 20.23			625.8 (1230.3)	
(Hydro)			135 34 03.46			57.7 (943.7)	
WAG, 1951 ✓	"	"	57 25 05.77			178.5 (1677.7)	
(Hydro)			135 34 18.66			311.5 (690.1)	
RIM, 1951 ✓	"	"	57 25 01.54			47.6 (1808.5)	
(Hydro)			135 34 53.55			893.9 (107.7)	
TOY, 1951 ✓	"	"	57 25 07.81			241.6 (1614.4)	
(Hydro)			135 34 40.90			682.7 (318.8)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: JLH DATE 2/26/52 CHECKED BY: JED DATE 2/26/52

MAP T-9901 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 SCALE FACTOR None

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)
AIM, 1951 (Hydro) ✓	Field	N.A.	57 25 47.00			1454.1 (402.1)	
	Comp.	1927	135 34 07.44			124.2 (877.1)	
NON, 1951, (Hydro) ✓	"	"	57 25 25.36			784.5 (1071.6)	
			135 34 32.94			549.7 (451.6)	
CRY, 1951 (Hydro)	"	"	57 25			627.2 (1229.0)	
(RM 2 - ABORT) ✓			135 34			480.4 (521.0)	
FRO, 1951 (Hydro) ✓	"	"	57 25 31.12			962.7 (893.4)	
			135 33 39.62			661.1 (340.1)	
BIB, 1951 (Hydro) ✓	"	"	57 25 40.27			1245.8 (610.4)	
			135 33 52.98			884.1 (117.1)	
HUT, 1951 (Hydro) ✓	"	"	57 25 49.74			1538.8 (317.4)	
			135 33 44.61			744.5 (256.6)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: FAR DATE NOV. 1952 CHECKED BY: VES DATE 10/31/52

Photogrammetry

MAP T-9902 PROJECT NO. Ph-49(49) SCALE OF MAP 1:10,000 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)
EDUCE, 1950 ✓	G-8876	N.A.	57 21 50.700			1568.4 (287.7)	
	P 7.	1927	135 31 55.044			920.1 (82.8)	
JADED, 1950 ✓	"	"	57 21 29.270			905.5 (950.6)	
			135 28 47.661			796.8) 206.3)	
IDIOT, 1950 ✓	"	"	57 21 47.537			1470.6 (385.5)	
			135 28 43.799			732.2 (270.8)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J.L.H. DATE MARCH 1952 CHECKED BY: RAD DATE 3/5/52

COMPILATION REPORT

Map Manuscripts No!s. T-9896 thru T-9902

Project Ph - 49(49)

Sub-headings 31, 32, 34, and 36 of the Descriptive Report for Map Manuscript No. T-8475, Project Ph-49(49), (1948 and 1949) are in general applicable.

33. SUPPLEMENTAL DATA:

Graphic control surveys used to supplement the photographs are as follows:

PA-A-51	Scale, 1:5000
PA-A-52	Scale, 1:5000
PA-B-52	Scale, 1:5000
PA-C-52	Scale, 1:10,000

A rock which bares 5 ft. at M.L.L.W. was transferred from PA-A-51, Scale 1:5000 to T-9901, Scale, 1:10,000 by graphic intersection. Data of Field Print No. 10596 was disregarded at this place.

The shoreline northeast from station CRO, 1952 on T-9898 had been delineated on graphic control sheet PA-A-52 at a scale of 1:5000. A junction was made with this planimetry.

Shoreline shown on PA-B-52, Scale 1:5000 was reduced to Scale 1:10,000 by use of the vertical projector and then traced on T-9899.

Shoreline of Hogatt Island was traced from PA-C-52, Scale 1:10,000 on T-9897.

A photostat print of boat sheet PA-1151 (Reg. No. H-7931), Ship "PATTON", CS-247 was used to supplement the field inspection data.

35. SHORELINE AND ALONGSHORE DETAILS:

The field inspection of shoreline during the 1952 field season was done very meticulously. Additional data found in the descriptions of horizontal control stations were applied when locating the mean high-water line. Planetable locations of the mean high-water line and various rocks were transferred to the map manuscripts.

No attempt was made to delineate rocks not field inspected or not shown on the graphic control sheets because it was believed that these have been covered during the hydrographic survey which was completed prior to shoreline compilation.

Data from boat sheets was not furnished the compilation office north of Latitude 57° 27' 20" which includes most of the area of T-9899 and all of T-9896 thru T-9898.

Refer to remarks contained in "Notes to the Reviewer" included in this descriptive report.

37. LANDMARKS AND AIDS:

Refer to sub-heading 9 "Landmarks and Aids" of the 1952 field inspection report.

38. CONTROL FOR FUTURE SURVEYS:

Forms 524 are submitted for Recoverable Topographic Stations VET, 1952 and NOT, 1952 which fall within the limits of T-9896.

Refer to sub-heading 11 of the 1952 field inspection report for additional information. The Form 524 listed for station FOX was not furnished the compilation office.

39. JUNCTION S:

Satisfactory junctions have been made between all map manuscripts covered by this report and with T-8485. A junction also was made with planimetry on T-9898 and that shown on graphic control sheet PA-A-52.

40. HORIZONTAL AND VERTICAL ACCURACY:

There are no shoreline areas of this map manuscript believed to be of sub-normal horizontal accuracy.

Disagreements in the location of the west shoreline of Peril Strait north from Ushk Bay were satisfactorily resolved when the photogrammetric office was furnished, by the Seattle Processing Office, several sextant fix locations contained in the hydrographic survey data.

Interior horizontal accuracy and vertical accuracy are not applicable.

46. COMPARISON WITH EXISTING MAP:

Comparison was made with all graphic control surveys listed under sub-heading 33 of this report.

Comparison was made between shoreline manuscript RS-427, Scale 1:10,000 and T-9897. The shoreline details of T-9897 supercede RS-427.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Nautical Chart No. 8248, Scale, 1:40,000, Published Feb. 1931 (2nd Edition) last corrected 1/22/51.

At Latitude 57° 24' 50" and Longitude 135° 37' 10" there is a small island on the chart which has been designated by field inspection as not being detached from the mainland. Office examination of the photographs does not clarify this disagreement. T-9900 (A Peninsula, at @ ABE 1951)

Other features are in good general agreement between the chart and map manuscript.

Numerous disagreements in the locations of rocks between the chart and map manuscripts have not been listed because it is believed that satisfactory locations and data have now been submitted by field inspection and hydrographic survey for all rocks to be charted in this area.

Approved and forwarded;

Fred A. Riddell
Officer-in-Charge

Respectfully submitted;

J. Edward Deal Jr.

J. Edward Deal, Jr.
Cartographer

48. GEOGRAPHIC NAMES:

The geographic names report listed under sub-heading 13 of the 1952 field inspection report was not furnished the photogrammetric Office

All names shown on the map manuscripts were obtained from Nautical Chart No. 8248 and are shown for location purposes only.

Approved name lists:

For all sheets, titles:

Southeastern Alaska
First Judicial Division

T-9896:

Chichagof Island
Ushk Bay

T-9897:

Baranof Island
Chichagof Island
Peril Strait
Poison Cove
Pogibshi Point
Goose Cove (not Pogibshi Anchorage)
Point Marie
Dolph Rock
Hoggatt Reefs
Hoggatt Island
Ford Rock
Ushk Bay
Ushk Point
Rodgers Point

Povorotni Island.

T-11,292:

Peril Strait
Deadman Reach
Baranof Island

T-9899:

Baranof Island
Chichagof Island
Peril Strait
Nixon Shoal
Little Rose Island
Big Rose Island (omit Opasni Islands)
Rose Channel
Rapids Point
Adams Channel
Range Creek
Yellow Point
Arthur Island
Middle Point
Baby Bear Bay
Big Island
Deep Bay

Names approved
1-25-54
L. Hock

T-9900:

Baranof Island
Chichagof Island
Peril Strait
Little Island
Grasstop Rock
Liesnoi Island
Midway Rock
Point Siroi
Mountain Head
Shoal Point
Sergius Point
Sergius Narrows
Sergius Channel
Rapids Island
Canoe Pass
Pinta Head
Launch Cove
Schulze Cove
Piper Island
Near Point
Schulze Head
Fish Point
Fish Bay
Haley Point
Haley Anchorage
Haley Rock
Range Point
Louise Cove
Channel Rocks
Kakul Narrows
Krubloi Islands
Round Island
Salmonberry Cove
Bradshaw Cove
Struya Point
Suloia Point
Suloia Bay
Point Sinbad
Suloia Island

Island Point

T-9901:

Baranof Island
Peril Strait
Baby Bear Bay
Bear Bay Island
Bear Bay
Fish Bay

T-9902:

Baranof Island
Fish Bay

Names approved
1-25-54. L. Heck

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9896 thru T-9902

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations N 8. Bench marks N

9. Plotting of sextant fixes ✓ 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges N 16. Aids to navigation ✓ 17. Landmarks ✓ 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover N 22. Planetable contours N 23. Stereoscopic instrument contours N 24. Contours in general N 25. Spot elevations N 26. Other physical features ✓

CULTURAL FEATURES

27. Roads N 28. Buildings N 29. Railroads N 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines N 32. Public land lines N

MISCELLANEOUS

33. Geographic names * 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay N 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓

40. _____ (Reviewer) J. Edward Deal Jr (Supervisor, Review Section or Unit)

41. Remarks (see attached sheet) * Taken from nautical chart # 6248

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

_____ Compiler _____ Supervisor

43. Remarks:

M-2623-12

NOTES TO THE REVIEWER

Recently prints of Map Manuscripts T-8484 and T-8485, Project Ph-49(49) were furnished the Portland Photogrammetric Office on which notes of criticism by the Washington Office Review Section and comments by Mr. Bennett G. Jones had been entered.

During the compilation and review of map manuscripts covered by this report, we have endeavored to comply with the recommendations entered on above mentioned prints and to omit superfluous notes and symbols. Only annotations considered helpful for clarification of detail for the nautical chart have been made.

Where rocks, designated by field inspection, are not shown in foul areas it is because they cannot be seen on the photographs and a clarifying note is shown.

Where the type of foreshore area has not been labeled, it is because no data was furnished by field inspection and the type could not be accurately determined in the office.

Where field inspection notes have been added designating a beach or foreshore area and the limits are not shown, it is because only high-water photographs were available and the limits could not be seen.

The hachure symbol recommended on the prints for slides has been used on these map manuscripts. However, the personnel at this office are of the opinion that the symbol as shown represents a ravine and the note "slide" has been added for clarification. In the northwest, slides more often are not ravines, but convex or rounded masses of earth and stone that have broken off from the younger soft rock beneath the old hard rock surface. This material has piled up below at a different slope or gradient leaving a wide scar along the path in which it has traveled. The symbol for this feature shown on Nautical Chart No. 8248 is believed to more clearly represent a "slide" and would not require a clarifying note.

We believe, however, that much of the criticism noted by the review section was made without thorough examination of the field inspection photographs and also that they did not take into account the fact that only high water photographs were available for the compilation work.

Review Report
Shoreline Surveys
T-9896, T-9897, T-9899, T-9900, T-9901,
T-9902, T-11292
27 January 1954

62. Comparison with Registered Surveys.-

T-2225 1:40,000, 1895 (with contours), Pogibshi Pt. northward.
T-2226 1:20,000, 1895 (shoreline), Suloia Bay - Pogibshi Pt.
T-2239 1:20,000, 1895, (with contours) supersedes T-2226
T-2247 1:20,000, no date, (shoreline), Fish Bay
T-2289 1:40,000, 1896-7 (with contours) Sergius Narrows - Old Sitha Rocks

No major discrepancies exist. The present shoreline surveys supersede the older surveys for charting purposes except for contours and bluffs.

63. Comparison with Maps of Other Agencies.-There are no authoritative maps or surveys of this area other than those listed under items 62 and 65.

64. Comparison with Contemporary Hydrographic Surveys.-

HW Line applied subsequent to review

H-7860	1:5,000	1950	Kakul Narrows
H-7861	1:10,000	1950	E. Salisbury Sd., Fish Bay, Suloia Bay
H-7930	1:5,000	1951	Sergius Narrows
H-7931	1:10,000	1951	Mountain Head to Yellow Point
	1:5,000	1951	(insert) Baby Bear Bay
H-7985	1:5,000	1952	Favorite Anchorage thru Nismeni Cove.
H-7986	1:10,000	1952	Yellow Pt. to Vie Rose Islands
	1:5,000	1952	Rose Islands to Pogibshi Pt.
H-7988	1:10,000	1952	Pogibshi Pt. to vie Broad Island
H-7989	1:10,000	1952	Ushk Bay

At the time of review only H-7985 and H-7988 had the shoreline applied: H-7985 from a planetable survey, and H-7988 from map manuscript T-9897 which was compiled after field inspection.

Rocks and ledges on the map manuscripts supplement those on the hydrographic surveys. Many rock elevations were changed during review. Tide curves were drawn for the times of rock and ledge inspection (1952) using tidal difference values established as a result of tide observations during the 1952 field season and appearing in the 1953 Tide Tables.

South of 57° 29' the curves were from Reference Station Sitka, Subordinate Station Bear Bay. North of that latitude the curves were from Reference Station JUNEAU, Subordinate Station Pogibshi Anchorage.

In Feb. 1955, the rock barings were revised north of 57° 27½' (Rose Channel) using Pogibshi Anchorage (HHW = 14.0)
Between Rose Channel and Big Island a mean (12.7) of Pogibshi (14.0) and Bear Bay (11.5) was used.
South of Big Island the Bear Bay station was used.

These revisions occur in T-9896, T-9897, T-9899, T-9900, and T-11292. Where no changes were made, field notes had stated the MHW or MLLW relationahip without reference to day, hour, or height.

65. Comparison with Nautical Charts.-

8248 1:40,000, ed. Feb. 1931, rev. Jan. 1951

The shoreline is in general agreement except that in the section of Peril Strait between Yellow Point and Pogibshi the shoreline indentations have advanced due to silting. Some rocks and ledges are not on the map manuscripts because they were not visible on the photographs and were not field inspected. Wherever the photographs suggested covered ledges, and the chart bore out the evidence, a dashed line was delineated during review. The contemporary hydrographic surveys give complete coverage of these areas.

66. Accuracy.- The radial plot was well controled, field inspection of shoreline was thorough and delineation good. Only minor changes were made to shoreline. Rock clearing differences were discussed under Heading 64. These maps comply with project instructions and meet the National Standards of Map Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED

Chief, Review Branch
Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

Div. of Photogrammetry

Div. of Coastal Surveys

March 5, 1957

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. _____

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
8248	9-1972	L.A. Bach	~~Full~~ Part ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. ~~Full~~ Part applied numbers: 9896, 9897
			11292, 9899, 9900, 9901, 9902
8252	1/16/73	E FREY	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. Consider fully appd via BP's 82574-81
			which are copies of these T sheets with 1967 photo corrections
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8568-P63