9896-7&9 9900-2
11292

9896-7&9 9900-0-2
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

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 1942 (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

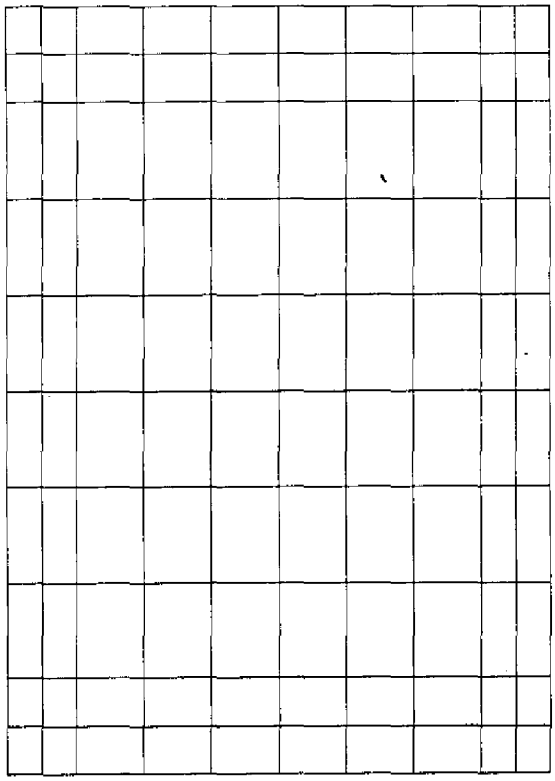
Plane Coordinates (IV): State: Zone:

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 2, 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 — T-9900) Date: Season 1950
Edmund L. Jones — Pt. Sirai, N & E to Nismeni Cove (N.E. proj. limit) — T-11292 — 21 May - 10 Sept. 1952

Planetable ~~contouring~~ M.H.W.L. by (II): William D. Barbee — H-7985 Deadman Reach thru Nismeni Cove Date: 16 June - 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):

		Date:
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	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 J. Stevens Date: 27 Jan. 1954

Robinson, A.T. 9901 Robinson A.T. 9902 9-8-54
Robinson, A.T. 9897 Robinson A.T. 11292 9-13-54

Final Drafting by (IV): Date: 7/12/54

Robinson, A.T. 9896
Robinson, A.T. 9900
Robinson, A.T. 9899
T-9896 W.O. Hallein
T-9897 W.O. Hallein
T-9900 W.O. Hallein
9899 W.O. Hallein
9901 W.O. Hallein
11 292 W.O. Hallein

Drafting verified for reproduction by (IV): Date: 7/18/54 7/25/54 8/30/54 7-29-54

Proof Edit by (IV): Date: 7-30-54 7-27-54 8-31-54 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)

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.

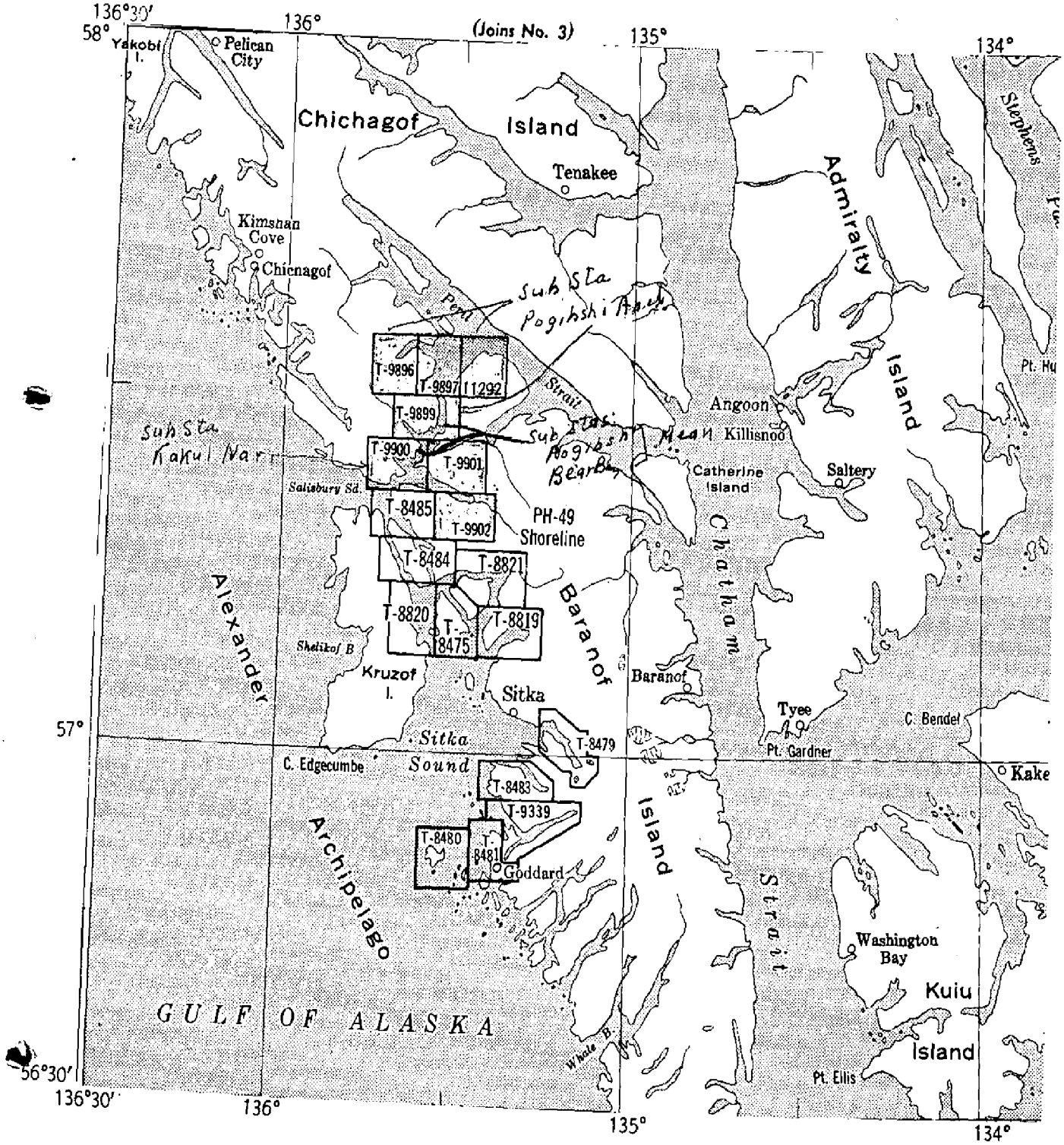
The surveys in this group were compiled at a scale of 1:10,000 using nine-lens photographs taken in 1942, except in the most northeastern section (T-9897 and T-11292) where single-lens Army photographs taken in 1948 were used.

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;

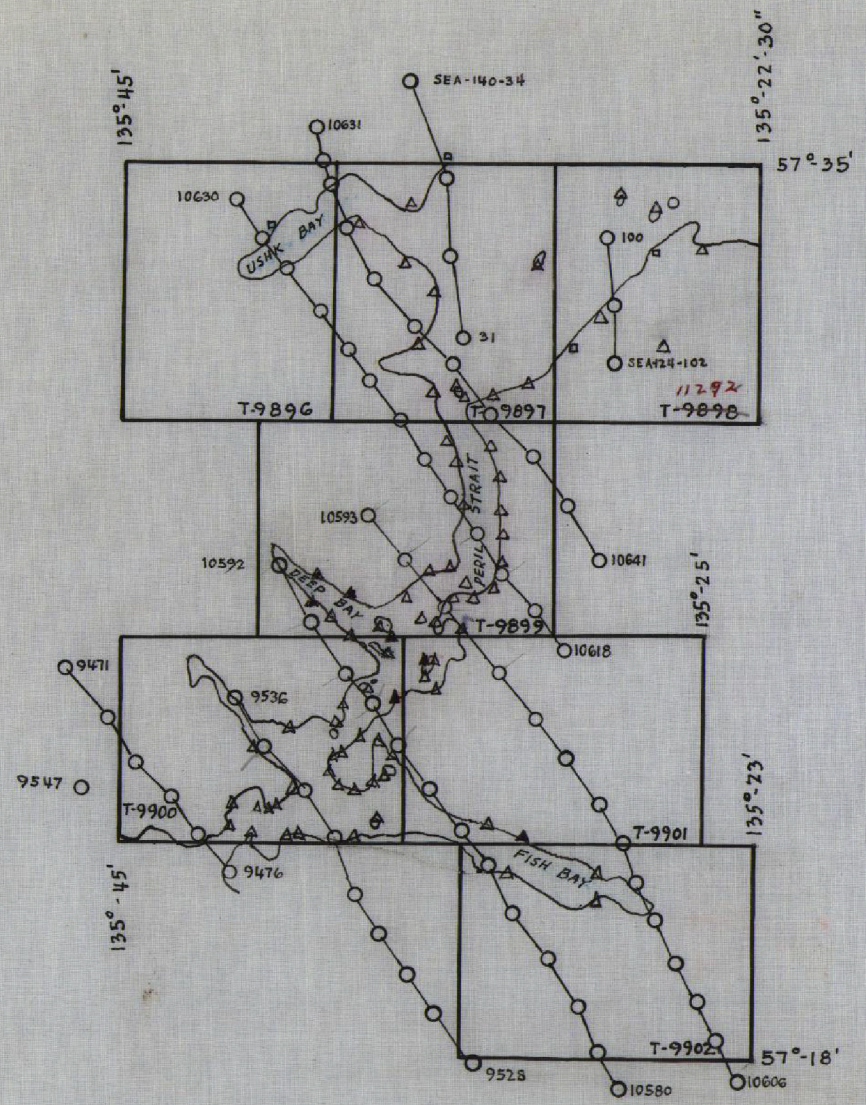
Fred A. Riddell

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)		

1 FT. = .3048006 METER

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

M-2388-12

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

1 FT. = .3048006 METER

M-2388-12

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

Photogrammetry

MAP T-9898/1292 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	N.A.	57 31 25.728			795.9 (1060.3)	
	Comp.	1927	135 29 48.300			803.9 (194.7)	
BEL	"	"	57 31			806.7 (1049.5)	
Sub. Sta. "a"			135 29			785.0 (213.6)	

1 FT. = .3048006 METER

M-2388-12

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

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)
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

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

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)
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

M-2388-12

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	"	"	57 26 36.88	Position does not agree			1140.9	(715.2)		
	7G-9244? 945 10003		135 36 38.41	with Angles in G-9244 R.E.E. 5-11-55			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)		

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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)
BIG, 1951	Field Comp.	N.A. 1927	57 26 26.39				816.4	(1039.8)		
			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				446.8	(553.8)		

1 FT. = .3048006 METER

M-2388-12

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

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)
FINAL, 1950	G-8876	N.A.	57 24 17.879				553.1	(1303.1)		
	pg 6	1927	135 36 11.101				185.4	(816.5)		
GRAG, 1895 - 1950	"	"	57 24 03.344				103.4	(1752.8)		
	pg 7		135 37 53.378				891.4	(110.6)		
ILAND, 1950	"	"	57 23 53.275				1648.1	(208.0)		
			135 39 26.012				434.4	(567.7)		
BOON 2, 1950	"	"	57 24 20.763				642.3	(1213.9)		
			135 39 02.271				37.9	(964.0)		
SERGIUS 2, 1950	"	"	57 24 27.716				857.4	(998.8)		
			135 37 57.262				956.1	(45.7)		
SHE 2, 1950	"	"	57 24 13.633				421.8	(1434.4)		
			135 36 49.554				827.5	(174.4)		
TODDY, 1950	"	"	57 23 50.641				1566.6	(289.5)		
			135 40 17.976				300.2	(701.9)		
UNDER, 1950	"	"	57 24 23.560				728.9	(1127.3)		
	pg 8		135 40 31.072				518.8	(483.0)		
STROP, 1950	"	"	57 24 28.786				890.5	(965.7)		
			135 37 45.206				754.8	(247.0)		
MOUNTAIN 2, 1950	"	"	57 24 33.051				1022.5	(833.7)		
			135 36 17.895				298.8	(703.0)		
SHOAL 2, 1950	"	"	57 24 35.841				1108.8	(747.4)		
			135 37 22.432				374.5	(627.3)		
SERGIUS NARROWS LIGHT, 1950	"	"	57 24 28.85				892.5	(963.7)		
			135 37 45.12				753.4	(248.4(		

1 FT. = .3048006 METER

M-2388-12

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

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)
WINDS, 1950	G-8876	N.A.	57 22 01.272				39.4	(1816.7)		
	pg 4	1927	135 43 18.184				303.9	(699.0)		
GRIP, 1896 - 1950	"	"	57 22 09.830				304.1	(1552.0)		
			135 42 09.643				161.2	(841.6)		
BORE 2, 1950	"	"	57 22 16.849				521.2	(1334.9)		
			135 41 08.695				145.3	(857.5)		
CLOCK 2, 1950	"	"	57 22 25.958				803.0	(1053.1)		
			135 41 33.625				561.9	(440.8)		
ACHE 2, 1950	"	"	57 22 35.870				1109.7	(746.4)		
			135 41 10.827				180.9	(821.8)		
GEMOT, 1950	"	"	57 22 24.779				766.6	(1089.5)		
			135 40 55.313				924.4	(78.3)		
FRESH, 1950	"	"	57 23 05.420				167.7	(1688.4)		
			135 40 43.654				729.3	(273.2)		
STRUYA, 1950	"	"	57 22 52.275				1617.2	(238.9)		
	pg 5		135 40 04.060				67.8	(934.8)		
STRONG, 1950	"	"	57 22 28.132				870.3	(985.8)		
			135 39 34.570				577.7	(425.0)		
COVEY, 1950	"	"	57 23 06.668				206.3	(1649.8)		
			135 39 57.054				953.2	(49.2)		
ACTIVE, 1950	"	"	57 22 03.308				102.3	(1753.8)		
			1 35 39 58.061				970.5	(32.4)		
CLOUD, 1950	"	"	57 22 52.578				1626.5	(229.6)		
			135 39 48.767				814.8	(1871.7)		

1 FT. = .3048006 METER

M-2388-12

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	G-8876 pg 5	N.A. 1927	57 22 27.109				838.6	(1017.5)		
			135 40 54.449			2	910.0	(92.7)	4 55	
RANGE, 2, 1950	"	"	57 22 30.831				953.8	(902.3)		
			135 39 18.670				312.0	(690.7)		
CLIP 2, 1950	"	"	57 22 25.135				777.6	(1078.5)		
			135 37 31.221				521.8	(480.9)		
CABAL, 1950	"	"	57 23 35.378				1094.5	(761.7)		
			135 37 46.213				771.9	(230.3)		
ABYSS, 1950	"	"	57 23 17.257				533.9	(1322.2)		
			135 37 03.408				56.9	(945.5)		
SULOIA 2, 1950	" pg 6	"	57 23 25.647				793.4	(1062.7)		
			135 38 52.615				878.9	(1231.4)		
BLUFF, 1950	"	"	57 23 10.582				327.4	(1528.7)		
			135 36 44.959				751.1	(251.3)		
HALEY, 1950	"	"	57 22 20.190				624.6	(1231.5)		
			135 36 13.429				224.4	(778.3)		
SCHULZE, 1950	"	"	57 23 18.427				570.1	(1286.0)		
			135 36 16.323				272.7	(729.7)		
PIPER, 1950	"	"	57 23 25.977				803.6	(1052.5)		
			135 35 45.094				753.3	(249.0)		
EATER, 1950	"	"	57 23 43.768				1354.0	(502.2)		
			135 36 13.125				219.2	(782.9)		
DEBUT, 1950	"	"	57 24 00.570				17.6	(1828.0)		
			135 35 44.290				739.6	(262.4)		

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	09.823				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)		

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 Comp.	N.A. 1927	57 24 12.36				382.4	(1473.8)		
			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)		

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)
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

M-2388-12

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

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)
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) (RM 2 - ABORT)	"	"	57 25				627.2	(1229.0)		
			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

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 Island Point
- 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

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 #5248

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	Part ~~Full Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. Part ~~Fully~~ 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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			Full Part Before After Verification Review Inspection Signed Via
			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 8558-P63