8484 8485

8485 8484

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-8484 & T-8485

LOCALITY

State Alaska

General locality Salisbury Sound

Locality Neva Strait, Sukoi Inlet, St. John Baptist Bay

1948, 1949, 1950

CHIEF OF PARTY

Glendon E. Boothe, 1948
J.C. Partington, 1949
L.C. Johnson, 1950
Fred A. Riddell, Photo, Office

LIBRARY & ARCHIVES

Portland, Oregon

DATE May 2, 1955

B-1870-1 (1)

DATA RECORD

T- 8484 and T-8485

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

Field Office (II): Ship "PATTON" Chief of Party: Glendon E. Boothe, 1948
J. C. Partington, 1949
L. C. Johnson, 1950

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge:

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

Copy filed in Division of Photogrammetry (IV)
Office Files

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): MAR 9 1953 Date reported to Nautical Chart Branch (IV): MAR 17 1953

Applied to Chart No. Date: Date registered (IV): 22 March 1955

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

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

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): UTM State: Zone: 8

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

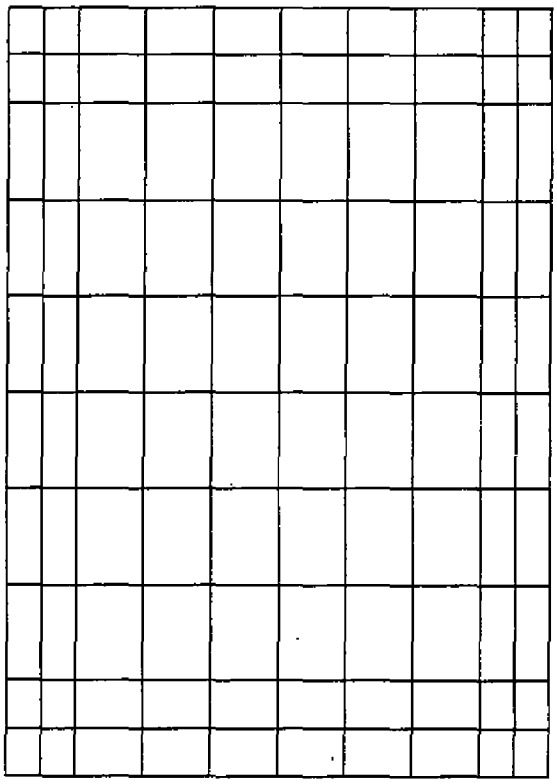
M-2618-12(4)

T-8484 WHITESTONE NARROWS, EAST BASE 2, 1948

Latitude	57° 15' 05.783"	178.9m
Longitude	135° 33' 43.453"	728.6m

T-8485 HAYWARD, 1896

Latitude	57° 19' 20.988"	649.3m
Longitude	135° 41' 03.316"	55.5m



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

DATA RECORD

Field Inspection by (II): Lt. Comdr. Arthur L. Wardwell, Ship "PATTON" Season 1948
Lt. Comdr. Emmett H. Sheridan " " Date: Season 1949
Lt. Comdr. William C. Russell " " Season 1950

Planetable contouring by (II): None Date:

Completion Surveys by (II): None Date:

Mean High Water Location (III) (State date and method of location): The spot locations entered on field photographs during 1948, 1949, and 1950 field seasons* were verified by stereoscopic study of photographs, checked against descriptions of triangulation stations and planetable locations of the mean high-water line.
*Generally identified on 1942 photographs.

Projection and Grids ruled by (IV): Wash. Office Date:

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

Control plotted by (III): J. L. Harris and Roy A. Davidson Date: September and December 1951

Control checked by (III): J. L. Harris and Roy A. Davidson Date: September and December 1951

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

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

Manuscript delineated by (III): T-8484 :- Irving Zirple Date: March 12, 1952
T-8485 :- Roy A. Davidson March 18, 1952

Photogrammetric Office Review by (III): J. Edward Deal, Jr. Date:
T-8484 February 11, 1953
T-8485 February 19, 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
9464 thru 9470	7-8-42	10:28	1:10,000	6.7 ft. above M.L.L.W.
9476 thru 9486	7-8-42	10:41	1:10,000	6.7 ft. above M.L.L.W.
9526 and 9527	7-8-42	11:04	1:10,000	6.7 ft. above M.L.L.W.
9531 and 9532	7-8-42	11:05	1:10,000	6.7 ft. above M.L.L.W.
9548 thru 9554	7-8-42	11:38	1:10,000	6.4 ft. above M.L.L.W.
10585	7-31-42	3:09	1:10,000	8.9 ft. above M.L.L.W.

Tide (III)

Reference Station: Sitka, Alaska

Subordinate Station: Scraggy Point, Salisbury Sound, Alaska

Subordinate Station: Whitestone Narrows, Neva Strait

Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
	7.7	9.9
1.0	7.6	9.9
1.0	7.8	9.9

Washington Office Review by (IV): Everett H. Ramey Date: 8 April 1953

Final Drafting by (IV): Robinson, A.T. (8481) Robinson, A.T. (8485) Date: 21 June 1954 6 July 1954

Drafting verified for reproduction by (IV): W. Hallin W. Hallin Date: 7-20-54 7-21-54

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): Except for small islands shoreline only was compiled

Shoreline (More than 200 meters to opposite shore) (III): 48.6

Shoreline (Less than 200 meters to opposite shore) (III): 4.0

Control Leveling - Miles (II):

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

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

Number of Recoverable Photo Stations established (III): *

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

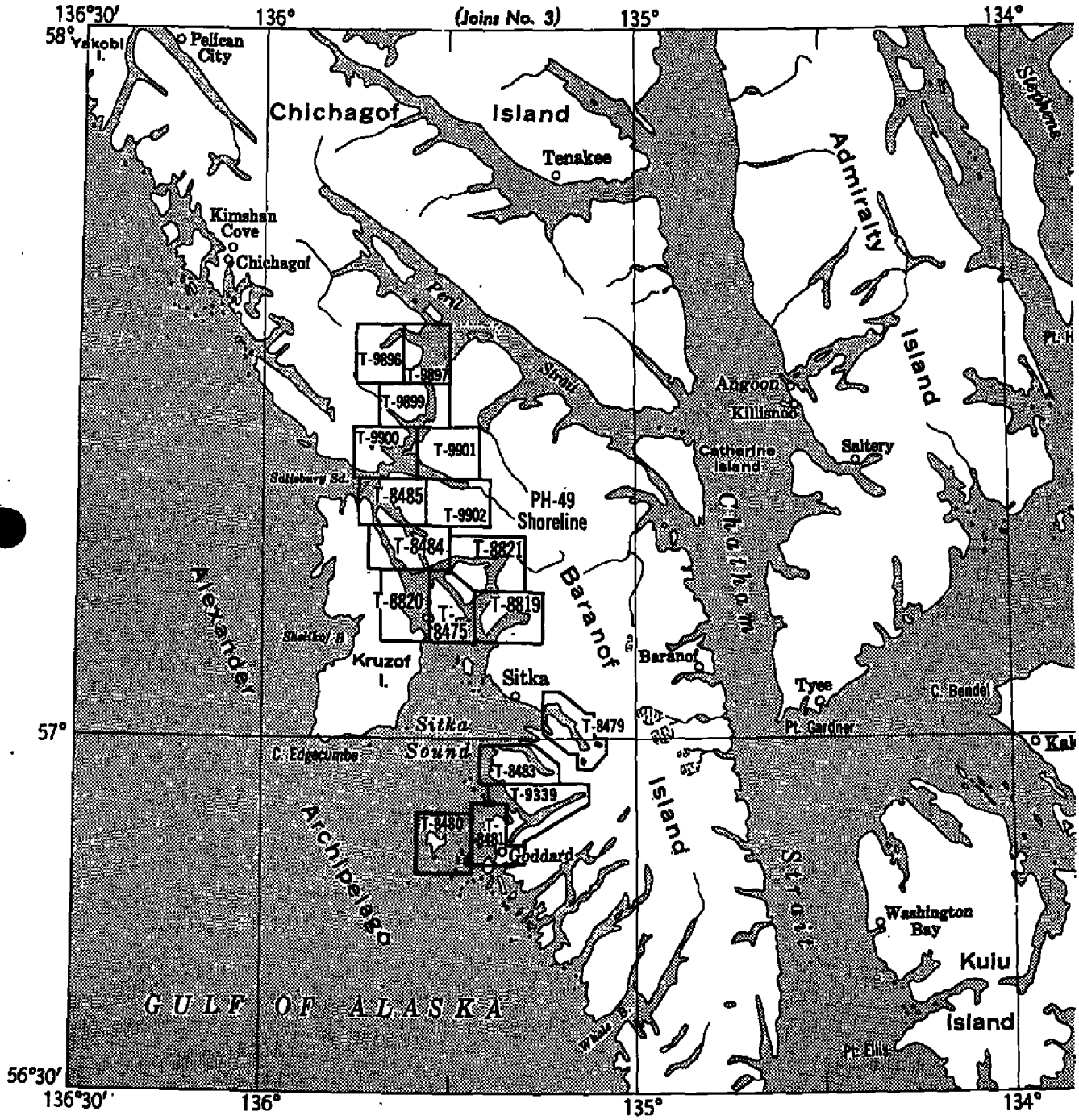
Remarks:

* See Field Inspection Reports 1948, 1949, 1950 for this data.

SHORELINE MAPPING PROJECT PH-49 (49)

ALASKA, Vicinity of Sitka Sound

Compilation scale 1:10,000



Summary to Accompany Shoreline Surveys T-8484 & T-8485

Shoreline surveys T-8484 and T-8485 is one of seventeen similar surveys of project Ph-49(49). They cover shoreline features from Kresof Sound to Salisbury Sound including Neva Strait and Sukoi Inlet.

Ph-49(49) is a graphic compilation project. Field work in advance of compilation included the establishment of some additional horizontal control and the inspection of shoreline. This field work was accomplished in conjunction with field operations of Project CS-247.

These surveys were compiled at a scale of 1:10,000 using nine-lens photographs taken in 1942. They cover an area from latitude 57° 14' to 57° 22'. Items registered under T-8484 and T-8485 will include a combined descriptive report for the two surveys and a cloth-backed lithographic print of each manuscript at a scale of 1:10,000.

FIELD INSPECTION REPORT

Map Manuscripts T-8484 and T-8485

Project Ph-49 (49)

Refer to special reports titled :-

(a) Photograph Field Inspection
Ph-49 (CS - 247)
S. E. Alaska
Sitka
Olga Strait, Neva Strait and Saint John Baptist Bay
1948
Glendon E. Boothe, Chief of Party

(b) Field Inspection Report of Air Photographs
S. E. Alaska
Nakwasina Passage, Nakwasina Sound
Krestof Sound and Katlian Bay
Project CS-247
Ph-49
J. C. Partington, Chief of Party
1949

(c) Photogrammetric
RS-385
S. E. Alaska
Salisbury Sound and Peril Strait
Eastern part of Salisbury Sound, Kakul Narrows,
Suloia Bay and Sergius Narrows
1950
L. C. Johnson, Chief of Party

Above reports are filed under project number in General Files, Division of Photogrammetry.

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts No's. T-8484 and T-8485

Project Ph-49 (49)

21. Area Covered:-

This radial plot covers an area in southeast Alaska which includes the shorelines of Neva Strait, Sukoi Inlet, St. John Baptist Bay, and parts of Krestof Sound, Nakwasina Passage, Fish Bay and Salisbury Sound. In comprises Map Manuscripts No's. T-8484 and T-8485.

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).

23. Adequacy of control:-

The field identification of stations was satisfactory and with the additional stations identified in the office an adequate number of horizontal control stations were available for this radial plot.

24. Supplemental data:-

Graphic control surveys in the area of this radial plot are as follows:

PA - D - 48
PA - E - 48
PA - F - 48
PA - P - 48
PA - Q - 48
PA - C - 49
PA - F - 49

Graphic control stations used to supplement the triangulation stations in controlling the orientation of photographs are as follows:

T-8484: FOP, 1949, BART, 1949, GAG, 1949, OUT, 1948, GAS, 1948 and CAT, 1948.

T-8485: HEX, 1948 and EVA, 1948.

25. Photography:-

The photography was adequate for coverage.

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

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

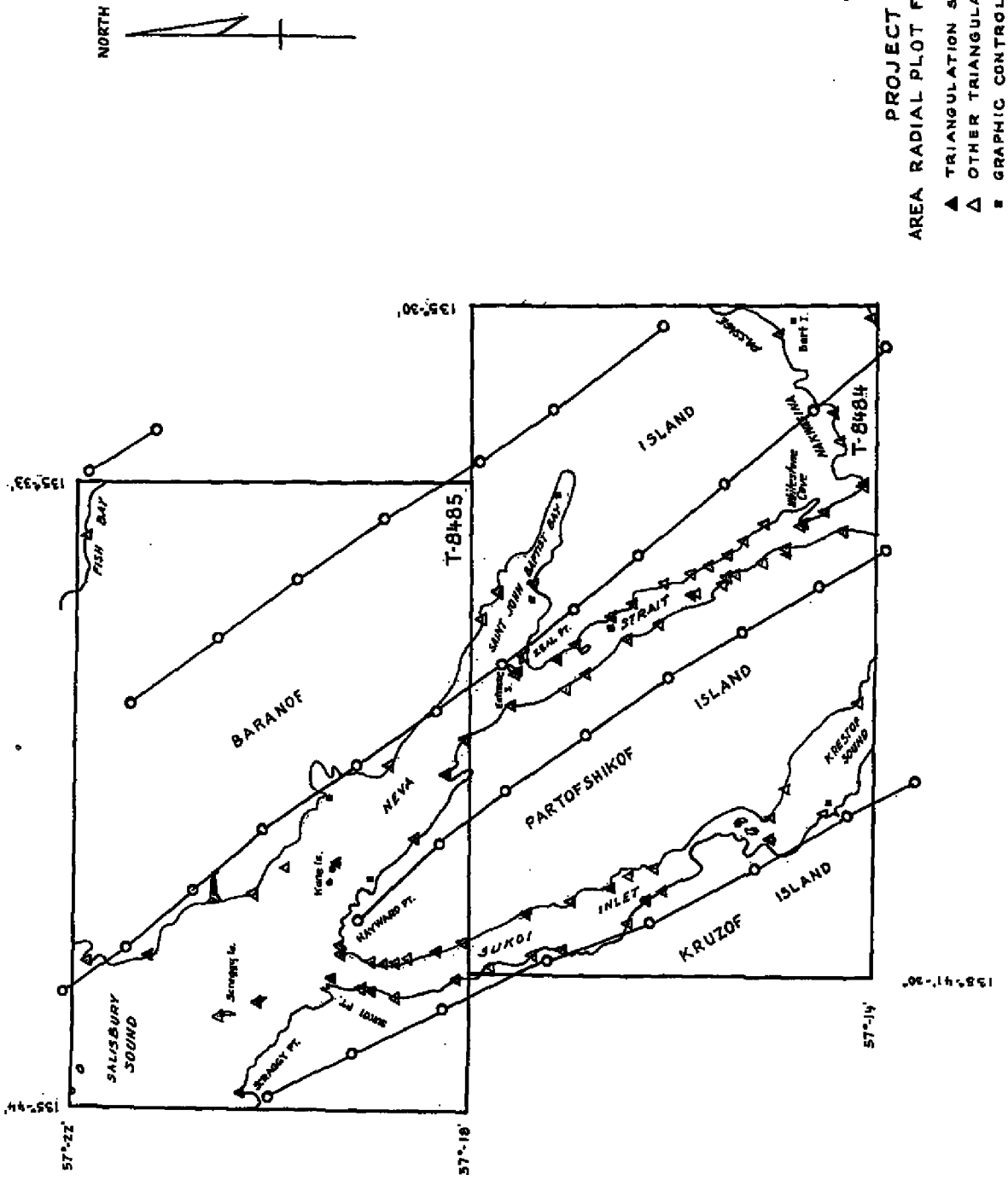
Approved:

Fred A. Riddell
Officer-in-Charge
Portland Photogrammetric Office

Respectfully submitted:

J. Edward Deal Jr.

J. Edward Deal, Jr.
Cartographer


PROJECT Ph-49(49)
AREA RADIAL PLOT FOR T-8484 AND T-8485
▲ TRIANGULATION STATIONS (IDENTIFIED)
△ OTHER TRIANGULATION STATIONS
■ GRAPHIC CONTROL STATIONS (IDENTIFIED)
○ PHOTOGRAPH CENTERS
NORTH
T-8485
T-8484
BARANOF ISLAND
PARTOFSHIKOF ISLAND
KRUZOF ISLAND
NEVA STRAIT
SALISBURY SOUND
INLET
FISH BAY
SAINT JOHN BAPTIST BAY
KRESTOF SOUND
135°-30'
135°-33'
135°-41'-30"
57°-22'
57°-18'
57°-14'

Photogrammetry

MAP T-8484 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)
VESTA, 1950	G-8876 Page 3	N.A. 1927	57° 16' 26.711" 135° 40' 30.970"			826.3 (1029.8) 519.0 (486.4)	
YEBEC, 1950	"	"	57° 16' 16.762" 135° 40' 09.840"			518.5 (1337.6) 164.9 (840.6)	
GYPSY, 1950	"	"	57° 16' 25.471" 135° 39' 53.161"			787.9 (1068.2) 890.8 (114.6)	
TROUT, 1950	"	"	57° 16' 10.449" 135° 39' 42.323"			323.2 (1532.9) 709.3 (296.2)	
WATER, 1950	"	"	57° 16' 03.730" 135° 40' 02.148"			115.4 (1740.7) 36.0 (969.6)	
AMIGO, 1950	"	"	57° 15' 52.974" 135° 39' 29.484"			1638.8 (217.3) 494.2 (511.5)	
ENTRANCE ISLAND LIGHT, 1948	#878	"	57° 17' 31.571" 135° 36' 14.377"			976.7 (879.4) 240.8 (764.1)	
AIL 2, 1948	#873	"	57° 14' 51.669" 135° 34' 07.183"			1598.4 (257.7) 120.5 (885.7)	
"X" on tree at Station AIL 2 (U.S.C.G.), 1948	#879	"	57° 14' 51.551" 135° 34' 07.366"			1594.7 (261.4) 123.5 (882.7)	
CALM 2, 1948	#871	"	57° 17' 35.975" 135° 36' 46.589"			1112.9 (743.2) 780.3 (224.6)	
DINT 2, 1948	#872	"	57° 17' 04.691" 135° 36' 31.441"			145.1 (1710.9) 526.7 (478.4)	
1948 FALL, 1896 - #872	#872	"	57° 16' 50.547" 135° 36' 11.458"			1563.7 (292.4) 192.0 (813.3)	

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1 FT. = .3048006 METER

COMPUTED BY: H. J. Atkins DATE 7-10-51 CHECKED BY: J. L. Harris DATE 9-24-51

M-2388-12

Photogrammetry

MAP T-8484 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.A.	57° 16' 29.161"			902.1 (954.0)	
GRIM 2, 1948	#872	1927	135° 35' 37.382"			626.4 (379.0)	
			57° 16' 08.161"			252.5 (1603.6)	
ACT, 1896 - 1948	#873	"	135° 35' 21.782"			365.1 (640.5)	
			57° 15' 46.508"			1438.7 (417.4)	
SPINDLE,2, 1948	"	"	135° 34' 54.350"			911.0 (94.7)	
			57° 15' 24.301"			751.8 (1104.3)	
GRIST, 1896 - 1948	"	"	135° 34' 28.759"			482.2 (523.8)	
U.S.C.G.Signal on beach South of Sta. GRIST, 1948	#878	"	57° 15' 21.77"			673.5 (1182.6)	
			135° 34' 29.23"			490.1 (515.9)	
Checkerboard South of Sta. GRIST, ~~1896~~ (U.S.C.G.), 1948	"	"	57° 15' 23.503"			727.1 (1129.0)	
			135° 34' 28.241"			473.5 (532.4)	
1896			57° 15' 06.637"			205.3 (1650.8)	
ADZE 1948	#873	"	135° 34' 15.751"			264.1 (741.9)	
			57° 14' 21.803"			674.5 (1181.6)	
DYE, 2, 1948	#874	"	135° 31' 47.767"			801.2 (205.2)	
NEVA PT. REEF			57° 1 4' 05.083"			157.2 (1698.8)	
LIGHT, 1948	#879	"	135° 33' 00.509"			8.5 (998.0)	
			57° 14' 18.705"			578.6 (1277.5)	
GRAZE, 1896 - 1948	#874	"	135° 33' 50.133"			840.9 (165.5)	
WHITE STONE POINT			57° 14' 40.968"			1267.3 (588.8)	
LIGHT, 1948	#879	"	135° 33' 37.472"			628.4 (377.8)	
COLUMBINE ROCK			57° 15' 46.629"			1442.5 (413.6)	
DAYBEACON, 1948	#878	"	135° 34' 54.764"			918.0 (87.8)	

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1 FT. = .3048006 METER

COMPUTED BY: H. J. Atkins DATE 7-10-51 CHECKED BY: J. L. Harris DATE 9-24-51

M-2388-12

Photogrammetry

MAP T-8484 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.A.	57° 16' 57.156"			1768.1 (87.9)	
DEW 2, 1948	#872	1927	135° 35' 47.809"			801.0 (204.2)	
			57° 17' 41.668"			1289.0 (567.1)	
JOHN, 1948	#872	"	135° 34' 53.790"			900.9 (104.0)	
			57° 14' 01.129"			34.9 (1821.2)	
ALPHA, 1948	#874	"	135° 30' 19.810"			332.3 (674.2)	
			57° 14' 53.139"			1643.9 (212.2)	
BAHAM, 1948	"	"	135° 30' 27.500"			461.2 (545.0)	
			57° 14' 18.654"			577.1 (1279.0)	
FACE 2, 1948	"	"	135° 32' 15.826"			265.5 (740.9)	
			57° 14' 05.105"			157.9 (1698.2)	
NEVA 2, 1948	"	"	135° 33' 00.756"			12.7 (993.8)	
			57° 14' 30.182"			933.7 (922.4)	
DRINK 2, 1948	"	"	135° 33' 30.700"			514.9 (491.4)	
			57° 14' 41.403"			1280.8 (575.3)	
CORN 2, 1948	"	"	135° 33' 37.624"			631.0 (375.3)	
WHITESTONE NARROWS			57° 15' 05.783"			178.9 (1677.2)	
EAST BASE 2, 1948	#873	"	135° 33' 43.453"			728.6 (277.4)	
WHITESTONE NARROWS			57° 15' 17.665"			546.5 (1309.6)	
WEST BASE, 1896	"	"	135° 34' 03.675"			61.6 (944.3)	
			57° 15' 25.673"			794.2 (1061.9)	
CLOT 2, 1948	"	"	135° 34' 13.646"			228.8 (777.1)	
			57° 15' 37.509"			1160.3 (695.8)	
BOTCH 2, 1948	"	"	135° 34' 25.500"			427.5 (578.4)	

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1 FT. = .3048006 METER

COMPUTED BY: H. J. Atkins DATE 7-10-51 CHECKED BY: J. L. Harris DATE 9-24-51

M-2388-12

Photogrammetry

MAP T-8484 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.A.	57° 15' 46.616"			1442.1 (414.0)	
GRATE, 1896 - 1948	#873	1927	135° 34' 31.581"			529.4 (476.3)	
			57° 16' 03.578"			110.7 (1745.4)	
FLEET, 1896 - 1948	"	"	135° 34' 43.287"			725.5 (280.1)	
			57° 16' 23.237"			718.8 (1137.3)	
DIKE 2, 1948	#872	"	135° 35' 05.821"			97.5 (907.9)	
			57° 16' 35.174"			1088.1 (768.0)	
BALK 2, 1948	"	"	135° 35' 17.710"			296.8 (708.6)	
			57° 17' 07.894"			244.2 (1611.9)	
EARL 2, 1948	"	"	135° 36' 02.791"			46.8 (958.4)	
			57° 17' 31.671"			979.7 (876.4)	
ALE 2, 1948	"	"	135° 36' 14.906"			249.7 (755.3)	
			57° 17' 31.665"			979.6 (876.5)	
ZEAL, 1948	#871	"	135° 36' 01.673"			28.0 (976.9)	
			57° 17' 23.512"			727.3 (1128.8)	
BATON, 1948	#872	"	135° 34' 45.327"			759.2 (245.8)	
			57° 17' 21.979"			679.9 (1176.2)	
BAPTIST, 1948	"	"	135° 33' 56.354"			944.0 (61.1)	
			57° 17' 51.476"			1592.4 (263.7)	
SAINT, 1948	#871	"	135° 35' 22.553"			377.7 (627.1)	
			57° 14' 37.692"			1166.0 (690.1)	
BAND 2, 1948	#874	"	135° 34' 06.829"			114.5 (891.7)	
	III		57° 14' 09.685"			299.6 (1556.5)	
VITAL, 1949	895	"	135° 36' 45.871"			769.5 (237.0)	

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1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: J. L. Harris DATE 9-24-51

M-2388-12

Photogrammetry

MAP T-8484 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)
	III	N.A.	57° 14' 52.333"			1618.9 (237.2)	
RAVEN, 1949	895	1927	135° 38' 22.427"			376.1 (630.1)	
			57° 15' 02.293"			70.9 (1785.2)	
YACHT, 1949	"	"	135°38' 47.927"			803.6 (202.4)	
			57° 15' 00.399"			12.3 (1843.7)	
WAGON, 1949	"	"	135° 39' 10.574"			177.3 (828.8)	
			57° 14' 34.311"			1061.4 (794.7)	
TATAR, 1949	"	"	135° 38' 40.638"			681.6 (324.7)	
	Field Comp. G 8876		57° 17' 50.496"			1562.1 (294.0)	
KRAFT, 1950		"	135° 41' 22.699"			380.1 (624.7)	
			57° 17' 20.184"			624.4 (1231.7)	
MAMBA, 1950	"	"	135° 41' 05.644"			94.5 (910.5)	
			57° 17' 26.645"			824.3 (1031.8)	
NANTA, 1950	"	"	135° 40' 35.764"			599.0 (406.0)	
			57° 16' 56.633"			1751.9 (104.2)	
PARKA, 1950	"	"	135° 40' 17.793"			298.1 (707.1)	
			57° 17' 05.761"			178.2 (1677.9)	
ORTHO, 1950	"	"	135° 41' 02.649"			44.4 (960.8)	
			57° 16' 38.932"			1204.4 (651.7)	
WALLA, 1950	"	"	135° 40' 05.201"			87.1 (918.2)	

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1 FT. = .3048006 METER

COMPUTED BY: R.A.D. H.J.A. DATE 12-20-51 CHECKED BY: R.A.D. H.J.A. DATE 12-20-51

M-2388-12

Photogrammetry

MAP T-8485 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)
	Field Comp. G 8876 Pg.1	N.A.	57° 18' 53.622"			1658.8 (197.3)	
HOLLY, 1950		1927	135° 41' 24.040"			402.4 (601.9)	
	"		57° 18' 48.290"			1493.9 (362.2)	
REGMA, 1950	Pg.2	"	135° 41' 25.543"			427.6 (576.8)	
			57° 18' 57.155"			176811 (88.0)	✓
GENET, 1950	"	"	135° 41' 48.726"			815.6 (188.7)	
			57° 18' 41.034"			1269.4 (586.7)	
TRIPOD, 1950	"	"	135° 41' 58.530"			979.8 (24.6)	
			57° 18' 41.118"			1272.0 (584.1)	
THIRL, 1950	"	"	135° 41' 23.874"			399.6 (604.8)	
			57° 18' 43.482"			1345.1 (511.0)	
SETRA, 1950	"	"	135° 41' 25.053"			419.4 (585.0)	
			57° 18' 08.899"			275.3 (1580.8)	
JETTY, 1950	"	"	135° 41' 38.052"			637.1 (367.5)	
			57° 18' 18.882"			584.1 (1272.0)	
IPPEY, 1950	"	"	135° 41' 11.747"			196.7 (807.9)	
			57° 18' 01.659"			51.3 (1804.8)	
LINTE, 1950	"	"	135° 40' 57.641"			965.2 (39.5)	
GPIII-P900			57° 20' 30.32"			938.0 (918.1)	
SCRAG 2, 1928	#878	"	135° 42' 22.79"			381.2 (622.4)	
	Field Comp. G 8876		57° 21' 14.477"			447.9 (1408.2)	
DIN 2, 1950	Pg.4	"	135° 41' 24.253"			405.5 (597.8)	
	G 8876		57° 20' 18.851"			583.2 (1272.9)	
AREAS, 1950	Pg.4	"	135° 43' 44.094"			737.6 (266.1)	

Page 16

1 FT. = .3048006 METER

COMPUTED BY: R.A.D. H.J.A. DATE 12/20/51 CHECKED BY: R.A.D. H.J.A. DATE 12-20-51

M-2388-12

Photogrammetry

MAP T-8485 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.A.	57° 18' 14.542"			449.9 (1406.2)	
DICE, 2, 1948	#871	1927	135° 37' 54.116"			906.1 (98.5)	
			57° 19' 19.280"			596.4 (1259.7)	
KANE, 1948	"	"	135° 39' 35.212"			589.3 (414.9)	
			57° 18' 00.575"			17.8 (1838.3)	
GROG, 2, 1948	"	"	135° 37' 15.704"			263.0 (741.8)	
	G 550		57° 19' 20.988"			649.3 (1206.8)	
HAYWARD, 1896 - 1928	Pg. 566	"	135° 41' 03.316"			55.5 (948.7)	
			57° 19' 52.305"			1618.1 (238.0)	
GRIT, 1896 - 1928	"	"	135° 39' 41.276"			690.6 (313.3)	
	Field Comp. G 8876		57° 19' 17.722"			548.2 (1307.9)	
DUTCH, 1950	Pg. 1	"	135° 41' 12.280"			205.5 (798.7)	
			57° 19' 22.297"			689.8 (1166.3)	
BIGOT, 1950	"	"	135° 41' 41.156"			688.8 (315.3)	
			57° 19' 00.349"			10.8 (1845.3)	
FATCH, 1950	"	"	135° 41' 21.236"			355.5 (648.8)	
			57° 19' 02.729"			84.4 (1771.7)	
ENDUE, 1950	"	"	135° 41' 47.283"			791.4 (212.9)	
	"		57° 21' 49.254"			1523.7 (332.4)	
KAKUL 2, 1950	Pg. 4	"	135° 41' 28.266"			472.5 (530.5)	
	"		57° 21' 56.736"			1755.2 (100.9)	
DIXIT, 1950	Pg. 6	"	135° 33' 52.298"			874.2 (128.7)	
			57° 18' 47.638"			1473.7 (382.4)	
FLAX 2, 1948	#871	"	135° 37' 56.893"			952.4 (52.0)	

1 FT. = .3048006 METER

COMPUTED BY: R.A.D. DATE 12-20-51 CHECKED BY: H.J.A. DATE 12-20-51

M-2388-12

Photogrammetry

MAP T-8485 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.A.	57° 18' 32.313"				999.6	(856.5)		
BIT 2, 1948	#871	1927	135° 39' 09.631"				161.2	(843.3)		
	Field Comp. G 8876 Pg. 1		57° 20' 05.671"				175.4	(1680.7)		
COPET, 1950	"	"	135° 42' 05.570"				93.2	(910.6)		
			57° 20' 12.688"				392.5	(1463.6)		
BALE 2, 1950	"	"	135° 40' 15.347"				256.7	(747.0)		
ALDEN, 1948	#871	"	57 18 07.523				232.7	(1623.4)		
			135 36 21.912				366.9	(637.8)		
FAG 2, 1948	#871	"	57 18 09.982				308.8	(1547.3)		
			135 36 29.086				487.0	(517.7)		
GAD, 1896 - 1948	#871	"	57 18 08.723				269.8	(1586.3)		
			135 37 27.756				464.8	(539.9)		
CLOSE 2, 1948	#871	"	57 18 26.553				635.8	(1220.3)		
			135 36 51.462				861.6	(143.1)		

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1 FT. = .3048006 METER

COMPUTED BY: R.A.D. DATE 12-20-51 CHECKED BY: H.J.A. DATE 12-20-51

M-2388-12

COMPILATION REPORT

Map Manuscripts No's. T-8484 and T-8485

Project Ph-49 (49)

Sub-heading 31, 32, 34,36, 38, and 40 of the Descriptive Report for Map Manuscript 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 - D - 48	PA - Q - 48
PA - E - 48	PA - C - 49
PA - F - 48	PA - F-- 49
PA - P - 48	

These graphic control surveys were used principally to transfer to the map manuscripts rock locations and rock data not indicated by field inspection. They also aided in the interpretation and location of the mean high-water line in several places where shadows or the relief displacement of trees covered the mean high-water line on the photographs.

35. Shoreline and alongshore details:-

In general sub-heading 35 of the Descriptive Report for Map Manuscript T-8475, Project Ph-49 (49) (1948 and 1949) is applicable.

Refer to the field inspection reports for the 1948, 1949, and 1950 field seasons of Ship "PATTON" for pertinent data on the mean high-water and approximate low-water lines.

The entire shoreline of these map manuscripts was field inspected.

In several instances the field inspection noted "rocks uncover at M.L.L.W." or "rocks covered at M.H.W." These rocks could not be referenced to any datum and have been shown with the rock awash symbol and the note contained on the field photograph has been entered on the map manuscript.

The field inspection in 1948 progressed northward along Neva Strait to about Latitude 57° 20' 05" and the mean high-water line identified then is the edge of the grass just outside the tree. line. When the field inspection was continued north of this point in 1950 the outer limits of rock ledge visible on the photo-

graphs.taken at a predicted stage of tide about 1.2 ft. below the mean range was identified. This line has been compiled and it is probably awash at mean high-water. A similar shoreline is around Scraggy Point where a mean high-water line was identified and compiled inshore from the outer limits of ledge visible on the photographs.

37. Landmarks and aids:-

Refer to remarks under this sub-heading in the field inspection reports of the Ship "PATTON" for the Alaska field season of 1948, 1949, and 1950. See page 7, this report.

39. Junctions:-

Satisfactory junctions have been made with all adjoining map manuscripts. There are no contemporary surveys to the west.

46. Comparison with existing maps:-

The map manuscripts were found to be in excellent agreement with the small portions of shoreline shown on the graphic control sheets. See item 62

No other existing maps were available to this office for comparison purposes.

47. Comparison with nautical charts:-

Comparison was made, by use of the vertical projector, with Nautical Chart No. 8281, Scale 1:40,000, Published June 1943 (5th Edition) last printed 3/5/51, hand corrected 4/22/51.

See item 45

Comparison was made, by use of the vertical projector, with Nautical Chart No. 8248, Scale 1:40,000, Published Feb. 1931, (2nd Edition), last printed 1/22/51, no hand correction date shown.

Disagreements in the location and shape of the mean high-water line of the map manuscripts and the shoreline of the charts are numerous.

An attempt was made to accurately list all disagreements between the data on rocks shown on the map manuscripts and those rocks shown on the charts. Because of differences in shoreline location and shape it was impossible in most cases to ascertain if the particular rocks shown on the map manuscripts, in various groups of rocks, were the same ones shown on the charts. It was noted in several instances that rocks shown with the rock awash symbol on the charts are bare at mean high-water according to field inspection data.

It is believed that the rock data shown on the map manuscripts

together with the data from hydrographic surveys will determine the positions and datum reference of all rocks of importance for charting.

"Items to be Applied to Nautical Charts Immediately"

None.

"Items to be carried forward"

None.

Approved:

Fred G. Riddell

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

Respectfully submitted:

J. Edward Deal Jr.

J. Edward Deal, Jr.
Cartographer

48. Geographic Names List:-

Refer to the remarks made in field inspection reports of the Ship "PATTON" for the Alaska field seasons of 1948, 1949 and 1950.

The geographic names shown on these map manuscripts were obtained from nautical charts No's. 8248 and 8281 and are as follows:

T-8484

- Baranof Island
- Bart Island
- Columbine Rock
- Entrance Island
- Highwater Island
- Krestof Sound
- Kruzof Island
- Neva Point
- Neva Strait
- Nakwasina Passage
- Partofshikof Island
- Saint John Baptist Bay
- Sukoi Inlet
- Whitestone Cove
- Whitestone Narrows
- Whitestone Point
- Wyvill Reef
- Zeal Point

• Dry Pass

• Whitestone Rock

T-8485

- Baranof Island
- Fish Bay
- Gilmer Cove
- Hayward Point
- *Kakul Rock

*(not visible on photos)

- Kane Islands
- Krugloi Islands
- Kruzof Island
- Neva Strait
- Partofshikof Island
- Point Kakul
- Salisbury Sound
- Scraggy Islands
- Scraggy Point
- Sukoi Inlet
- Sukoi Point

Names approved
4-9-51
A.J.W.

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8484

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 None 8. Bench marks None 9. Plotting of sextant fixes None 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges None 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 ✓ 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features ✓

CULTURAL FEATURES

27. Roads None 28. Buildings ✓ 29. Railroads None 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay None 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)

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-2661-12

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8485

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 ✓ 8. Bench marks None

9. Plotting of sextant fixes None 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges None 16. Aids to navigation ✓ 17. Landmarks None 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features ✓

CULTURAL FEATURES

27. Roads None 28. Buildings ✓ 29. Railroads None 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay None 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)

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-2661-12

62. Comparison with Registered Topographic Surveys.-

T-8484		
T-2249	1:20,000	1896
T-2289	1:40,000	1896-97
T-4374	1:40,000	1928
T-8485		
T-2247	1:20,000	1894
T-2248	"	"
T-2249	"	1896
T-2289	1:40,000	1896-97
T-4392	1:20,000	1928

This survey and T-2248 shows a "rock awash" at 57° 21.7'/ 135° 41.6 which could not be interpreted on the photographs and was not field inspected. The rock may, however, exist and should be retained.

The above prior surveys are generally more sketchy and less accurate than T-8484 and T-8485. However, they show some ledges and bluffs which are not covered by these later surveys and should be retained for nautical charting. Otherwise T-8484 and T-8485 are more detailed and more accurate and should supersede the above surveys for nautical charting purposes. See Item 66.

63. Comparison with Maps of Other Agencies.- None

64. Comparison with Contemporary Hydrographic Surveys.-

T-8484		
H-7674	1:5,000	1948
H-7675	"	1948

Slight discrepancies in shoreline at stations "Act" and "Dike 2. Use T-8484. (To be revised in "Final" verification)-GFJ

H-7676	1:10,000	1950

Slight discrepancy in shoreline at station "Saint". Use T-8484. (Corrected)-GFJ

H-7788	1:10,000	1949

Position of rock at 57° 15.1' / 135° 30.3' appears in error. Correct to position on T-8484. (To be revised in "Final" verification)-GFJ

H-7789 1:10,000 1949

Survey shows "rock awash (5)" at 57° 14.1' / 136° 36.5' at approximately same position of "rock awash MHW" on T-8484. It could not be ascertained if these are for the same rock. (Different rocks) CFJ

T-8485

H-7860	1:5,000 and 1:10,000	1950
H-7861	1:10,000	1950-51
H-7676	"	1948

H-7676

Survey shows "rock awash" at 57° 19.6' / 135° 38.9' whereas the rock was field inspected on T-8485 as baring 3' at MHW. (Corrected)-CFJ

Some rocks were not mapped by the T-surveys. The low water line was not accurately field inspected on the T-surveys and should be taken from the H-surveys where discrepancies exist. Except for these items no discrepancies exist.

65. Comparison with Nautical Charts.-

8281	1:40,000	1953 corrected 53	- 3/16
8248	"	1931 " 51	- 1/22

½ Minor differences in shoreline details in flatter and more intricate areas which are discussed under items 62 and 64. Field inspection did not include a building at 57° 19.3' / 135° 38.0'. Changes made during this review are shown in red.

66. Adequacy of Results and Future Surveys.- Some inadequacies in detailing probably exist in areas which were not fully field inspected and where photo-interpretation was difficult or impossible. These errors are small and are of little consequence for nautical charting purposes.

Less attention to bluffs and cliffs was given in the field inspection than in prior surveys. Generally, they could not be interpreted from the photographs. The more prominent cliffs apparently were noted by the field inspection. Most of the shoreline is rugged and steep with some bluff or cliff.

These surveys are adequate for nautical charting purposes and comply with project instructions.

Reviewed by:

Everett H. Ramey

Everett H. Ramey

APPROVED

R. C. Lands 22 Mar 1955

Chief, Review Section
Div. of Photogrammetry

H. C. Edmonston

Chief, Nautical Chart Branch
Div. of Charts CFJ

Mark S. Ricketts

Chief, Div. of Photogrammetry

Earl O. Heston

Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8484

Reviewed 8 Apr. 1953

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1958	Reconstr 8281	Jack Allen	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8485
Reviewed 8 Apr. 1953
Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1958	Reconstr. 8281	Jack Allen	~~Before~~ After Verification and Review
9-1972	8248	L.A. Bach	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.