

12064

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Diag. Cht. No. 6450-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. Ph-6101 Office No. T-12064

LOCALITY

State WASHINGTON

General locality ADMIRALTY INLET

Locality KILIBUT HARBOR

1960-1962

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12064

DESCRIPTIVE REPORT - DATA RECORD
T - 12064

PROJECT NO. (II): PH-6101		
FIELD OFFICE (III): PORT TOWNSEND, WASHINGTON		CHIEF OF PARTY FRED NATELLA UNIT CHIEF: R. B. MELBY
PHOTOGRAMMETRIC OFFICE (III): PORTLAND, OREGON		OFFICER-IN-CHARGE FRED NATELLA
INSTRUCTIONS DATED (II) (III): 14 MARCH : 1961 : II, III AMENDMENT 1: 8 MAY 1961 II, III AMENDMENT 1: 17 MAY 1961 II, III AMENDMENT 4: 14 DECEMBER 1962 III		
METHOD OF COMPILATION (III): KELSH INSTRUMENT		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6000 PANTOGRAPH SCALE: 1:10,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927		VERTICAL DATUM (III): MEAN SEA LEVEL EXCEPT AS FOLLOWS: X <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>
REFERENCE STATION (III): CANAL, 1941		
LAT.: 48° 01; 35.517"	LONG.: 122° 43' 24.732"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = 380,126.93 X = 1,537,510.60		STATE WASHINGTON ZONE NORTH
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.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): R. B. MELBY; L. L. RIGGERS		DATE: JULY, 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): JULY 1962 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 12-17-62
PROJECTION AND GRIDS CHECKED BY (IV): L.F.B.		DATE 12-21-62
CONTROL PLOTTED BY (III): C. H. BISHOP		DATE 1-2-63
CONTROL CHECKED BY (III): R. H. MEYER		DATE 1-2-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): HENRY P. EICHERT		DATE Dec. 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 1-14-63
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT: C. C. HARRIS		DATE 3-1-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 4-22-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: C. C. HARRIS ADVANCE: J. L. HARRIS		DATE 2-1-63 4-25-63
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2016 THRU 2018	9-21-60	11:48	1:30,000	2.9' ABOVE M.L.L.W.
60 W 2030 THRU 2032	"	12:04	"	" " "
60 W 1997 THRU 1999	"	11:36	"	" " "
RATIO PRINTS OF ABOVE AT 1:10,000 SCALE				COMPUTED FROM PRE- DICTED TIDE TABLES.

TIDE (III)

		RATIO OF RANGES	MEAN RANGE	DAILY RANGE
REFERENCE STATION:	PORT TOWNSEND, WASHINGTON		5.1	8.3
SUBORDINATE STATION:	OAK BAY, WASHINGTON		6.0	9.4
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	25	RECOVERED: 11	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II):	NONE	RECOVERED:	IDENTIFIED	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 2				

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12064

PROJECT PH-6101

REFER TO THE FIELD INSPECTION REPORT FOR T-12057, T-12058,
T-12064, T-12065 AND T-12073 INCLUDED WITH THE DESCRIPTIVE REPORT
FOR T-12057. * ALSO REFER TO THE SPECIAL REPORT, PROJECT PH-6101,
NOTES TO COMPILER, DATED 4 AUG. 1961, BY ROBERT B. MELBY.

* *A part of Desc. Report T 12054*

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12064

PROJECT PH-6101

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT No. 2 BY HENRY P.
EICHERT, DECEMBER 1962 AND INCLUDED WITH THE DESCRIPTIVE REPORT
FOR T-12050.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
TROL RECORD

MAP T-12064

PROJECT NO. PH-6101

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	WASH.N. SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
CANAL, 1941	P-304	N.A. 1927	380,126.93	126.93	(4873.07)		38.69	(1485.31)	
			1,537,510.60	2510.60	(2489.40)		765.23	(758.77)	
DREDGE, 1934	"	"	377,681.82	2681.82	(2318.18)		817.42	(706.58)	
			1,541,295.69	1295.69	(3704.31)		394.93	(1129.07)	
NARROWS, 2, 1962	FIELD COMP.	"	376,720.22	1720.22	(3279.78)		524.32	(999.63)	
			1,536,706.81	1706.81	(3293.19)		520.24	(1003.76)	
OAK BAY LIGHT, 1961	"	"	379,147.09	4147.09	(852.91)		1264.03	(259.97)	
			1,537,494.48	2494.48	(2505.52)		760.32	(763.68)	
OAK RM 1, 1934	"	"	373,488.42	3488.42	(1511.58)		1063.27	(1242.39)	
			1,545,923.91	923.91	(4076.09)		281.61	(1242.38)	
CONE, 1915	P-305	"	384,651.47	4651.47	(348.53)		1417.8	(106.2)	
			1,534,852.10	4852.10	(1147.90)		1478.9	(45.1)	
DEPOT, 1941	"	"	389,694.36	4694.36	(305.68)		1430.8	(93.2)	
			1,533,357.53	3357.53	(1842.47)		1023.4	(500.6)	
GUPPY, 1941	P-309	"	392,017.11	2017.11	(2982.89)		614.8	(909.2)	
			1,543,816.73	3816.73	(1183.27)		1163.3	(360.7)	
INDIAN, 1955	P-344	"	383,815.20	3815.20	(1184.80)		1162.9	(361.1)	
			1,537,627.18	2627.18	(2372.62)		800.8	(723.2)	
MADRONA(USE)1915	P-305	"	383,302.30	3302.30	(1697.70)		1006.5	(517.5)	90
			1,535,508.44	508.44	(4491.56)		155.0	(1369.0)	
POINT (USE) 1915	"	"	382,752.83	2752.83	(2247.17)		839.1	(684.9)	
			1,534,556.83	4556.83	(443.17)		1388.9	(135.1)	
PORTAGE(USE)1941	"	"	382,329.63	2329.63	(2670.37)		710.1	(813.9)	
			1,536,035.93	1035.93	(3964.07)		315.8	(1208.2)	

1 FT. = 3048006 METER

COMPUTED BY: D.N.W.

DATE 1-2-63

CHECKED BY: C.H.B. & L.L.G.

DATE 1-2-63

COMM-DC-57843

COMPILATION REPORT
MAP MANUSCRIPT T-12064
PROJECT PH-6101

ITEMS 31 THRU 36:

REFER TO THE COMPILATION REPORT FOR T-12065.

37. LANDMARKS AND AIDS:

TWO FIXED AIDS TO NAVIGATION ARE SHOWN ON THIS MANUSCRIPT. ONE WAS LOCATED BY TRIANGULATION AND THE POSITION OF THE OTHER WAS OBTAINED DURING AEROTRIANGULATION CONTROL EXTENSION. FORM 567 IS SUBMITTED.

38. CONTROLS FOR FUTURE SURVEYS:

TWO PHOTO-HYDRO STATIONS WERE IDENTIFIED BY THE FIELD PARTY AND LOCATED DURING KELSH INSTRUMENT COMPILATION. NUMBERS AND DESCRIPTIONS OF THESE STATIONS ARE LISTED IN PARAGRAPH 49.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12057 TO THE NORTH; WITH T-12065 TO THE EAST; WITH T-12066 TO THE SOUTH AND WITH T-12063 TO THE WEST.

40 HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7½ MINUTE NORDLAND, WASHINGTON QUADRANGLE, SCALE 1:24,000, EDITION 1953.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 6405, SCALE 1:20,000.
8TH EDITION, JULY 1, 1944, REVISED 2-12-62.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:

RESPECTFULLY SUBMITTED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER


JAMES L. HARRIS
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES ON THIS MANUSCRIPT ARE LISTED BELOW AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. NORDLAND, WASHINGTON 7 $\frac{1}{2}$ MINUTE QUADRANGLE, SCALE, EDITION 1953.

BISHOPS POINT
CRANE POINT ✓
INDIAN ISLAND
KILIBUT HARBOR ✓
KINNEY POINT ✓
MARROWSTONE ISLAND ✓
MYSTERY BAY ✓
NORDLAND ✓
OAK BAY ✓
PORT TOWNSEND ✓
PORT TOWNSEND CANAL ✓
SCOW BAY ✓
SKUNK ISLAND

George W. Allen
Geographic Names
Section
15 August 1963

49. NOTES FOR THE HYDROGRAPHER:

THE TWO PHOTO-HYDRO STATIONS LISTED BELOW WERE IDENTIFIED BY THE FIELD PARTY AND WERE LOCATED BY THE KELSH INSTRUMENT OPERATOR DURING COMPILATION.

No.	DESCRIPTION	FIELD PHOTO No.
6401	V-SHAPED SIGN	60 W 2031
6402	SOUTHEAST GABLE OF YELLOW HOUSE WITH GREEN ROOF	60 W 2032

PHOTOGRAMMETRIC OFFICE REVIEW

~~FORM~~ T-12064

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) none		7. PHOTO HYDRO STATIONS ✓
8. BENCH MARKS none	9. PLOTTING OF SEXTANT FIXES none	10. PHOTOGRAMMETRIC PLOT REPORT ✓	11. DETAIL POINTS Not applicable
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE ✓	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES ✓
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 not applicable
23. STEREOSCOPIC INSTRUMENT CONTOURS not applicable	24. CONTOURS IN GENERAL not applicable	25. SPOT ELEVATIONS not applicable	26. OTHER PHYSICAL FEATURES ✓
CULTURAL FEATURES			
27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS ✓	30. OTHER CULTURAL FEATURES ✓
BOUNDARIES			
31. BOUNDARY LINES not applicable		32. PUBLIC LAND LINES not applicable	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ✓	34. JUNCTIONS ✓		35. LEGIBILITY OF THE MANUSCRIPT ✓
36. DISCREPANCY OVERLAY not applicable	37. DESCRIPTIVE REPORT ✓	38. FIELD INSPECTION PHOTOGRAPHS ✓	39. FORMS ✓
40. REVIEWER Carita C. Harris		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			

COMPILATION RECORD

COMPLETION DATE

REMARKS

<i>Interior details added compilation complete</i>	<i>4/22/63</i>	

Review Report
Shoreline Surveys
T-12062 thru T-12067
October 1963

61. General Statement

These are six (6) shoreline maps of Project PH-6101, Admiralty Inlet, Washington. These maps were prepared primarily for the location of nonfloating aids and landmarks for the revision of our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-4189	1:10,000	1926
T-4189	1:10,000	1926
T-1255	1:10,000	1871
S-1894	1:10,000	1872
T-4307	1:10,000	1927
T-6884a&b	1:5,000 and 1:10,000	1941
T-6885a&b	1:5,000 and 1:10,000	1941

These maps are to supersede the prior surveys for nautical chart construction.

63. Comparison with Maps of Other Agencies

Fort Townsend South	1:24,000	1953
Marland	1:24,000	1953
Fort Ludlow	1:24,000	1953
Center	1:24,000	1953

There are cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

6401	1:150,000	Oct. 1962
6403	1:40,000	revised to July 1963
6405	1:20,000	revised to Feb. 1962
6420	1:20,000	revised to Aug. 1960
6430	1:80,000	revised to June 1963

Differences exist. However there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lema
Chief, Photogrammetric BranchJohn A. Lough 5/6/64
Chief, Photogrammetry Division

