

# 12058

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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 <u>SHORELINE (PHOTOGRAMMETRIC)</u>	
Field No. <u>Ph-6101</u>	Office No. <u>T-12058</u>
LOCALITY	
State <u>WASHINGTON</u>	
General locality <u>ADMIRALTY INLET</u>	
Locality <u>MARROWSTONE POINT</u>	
<u>1960-1962</u>	
CHIEF OF PARTY	
<u>FRED NATELLA</u>	
LIBRARY & ARCHIVES	
DATE <u>May 1964</u>	

USCOMM-DC 5087

# 12058

## DESCRIPTIVE REPORT - DATA RECORD

T 12058

PROJECT NO. (II): <b>PH-6101</b>		
FIELD OFFICE (II): <b>PORT TOWNSEND, WASHINGTON</b>		CHIEF OF PARTY <b>FRED NATELLA</b>
PHOTOGRAMMETRIC OFFICE (III): <b>PORTLAND, OREGON</b>		UNIT CHIEF <b>R. B. MELBY</b>
		OFFICER-IN-CHARGE <b>FRED NATELLA</b>
INSTRUCTIONS DATED (II) (III): <b>14 MARCH 1961</b> II, III AMENDMENT 1: <b>8 MAY 1961</b> II, III AMENDMENT 1: <b>17 MAY 1961</b> II, III AMENDMENT 4: <b>14 DECEMBER 1962</b> III		
METHOD OF COMPILATION (III): <b>KELSH INSTRUMENT</b>		
MANUSCRIPT SCALE (III): <b>1:10,000</b>		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <b>1:6000</b>
		<b>PANTOGRAPH SCALE: 1:10,000</b>
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): <b>N.A. 1927</b>		VERTICAL DATUM (III): MEAN SEA LEVEL EXCEPT AS FOLLOWS: <b>X</b> <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): <b>GRAVE, 1941</b>		
LAT.: <b>48° 04' 21.98"</b>	LONG.: <b>122° 41' 03.51"</b>	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): <b>396,756</b> <b>x = 1,547,513</b>		STATE <b>WASHINGTON</b> ZONE <b>NORTH</b>
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 (III): <b>R. B. MELBY, L. L. RIGGERS</b>		DATE: <b>JULY 1962</b>
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>JULY, 1962 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.</b>		
PROJECTION AND GRIDS RULED BY (IV): <b>A. R.</b>		DATE <b>12-17-62</b>
PROJECTION AND GRIDS CHECKED BY (IV): <b>F.E.B.</b>		DATE <b>12-17-62</b>
CONTROL PLOTTED BY (III): <b>C. H. BISHOP</b>		DATE <b>1-4-63</b>
CONTROL CHECKED BY (III): <b>R. H. MEYER</b>		DATE <b>1-4-63</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): <b>HENRY P. EICHERT</b>		DATE <b>Dec. 1962</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY <b>C. H. BISHOP</b>	DATE <b>1-11-63</b>
	CONTOURS <b>NONE</b>	DATE
MANUSCRIPT DELINEATED BY (III): <b>SMOOTH DRAFT: D. N. WILLIAMS</b>		DATE <b>3-12-63</b>
SCRIBING BY (III): <b>STICK-UP: C. C. HARRIS</b>		DATE <b>5-21-63</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>ROUGH DRAFT: J. L. HARRIS</b> <b>ADVANCE: J. L. HARRIS</b>		DATE <b>3-6-63</b> <b>5-29-63</b>
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&amp;GS SINGLE LENS "W"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2029 AND 2030	9-21-60	12:04	1:30,000	2.9' ABOVE M.L.L.W.
60 W 1977 AND 1978	"	11:22	"	2.5' " "
RATIO PRINTS OF ABOVE AT 1:10,000				COMPILED FROM PRE- DICTED TIDE TABLES.

## TIDE (III)

		RATIO OF RANGES	MEAN RANGE	<del>JOURNAL</del> RANGE
REFERENCE STATION:	PORT TOWNSEND, WASHINGTON		5.1	8.3
ORDINATE STATION:	MARROWSTONE POINT, WASHINGTON		5.6	8.8
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	3	RECOVERED:	3	IDENTIFIED: 2
NUMBER OF BM(S) SEARCHED FOR (II):	NONE	RECOVERED:		IDENTIFIED
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): NONE				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 1				

REMARKS:

## FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12058

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.

## PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12058

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.

SCALE FACTOR

1 FT. NO. 3048006 METER  
COMPUTED BY: D.N.W.  
DATE 1-3-63  
CHECKED BY: R.H.M.  
DATE 1-4-63  
COMM-DC-57843

COMPILATION REPORT  
MAP MANUSCRIPT T-12058  
PROJECT PH-6101

ITEMS 31 THRU 36:

REFER TO THE COMPILATION REPORT FOR T-12065.

37. LANDMARKS AND AIDS:

ONE FIXED AID TO NAVIGATION AND ONE LANDMARK SHOWN ON THIS MANUSCRIPT ARE RECOMMENDED FOR CHARTING. BOTH ARE INTERSECTION TRIANGULATION STATIONS.

38. CONTROL FOR FUTURE SURVEYS:

ONE PHOTO-HYDRO STATION WAS IDENTIFIED BY THE FIELD PARTY AND LOCATED DURING COMPILATION BY THE KELSH INSTRUMENT OPERATOR.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12057 TO THE WEST; WITH T-11612 TO THE NORTH; WITH T-11617 TO THE EAST AND WITH T-12065 TO THE SOUTH.

40. HORIZONTAL AND VERTICAL ACCURACY:



46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S.  $7\frac{1}{2}$  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*  
FRED NATELLA, CAPT, C&GS  
PORTLAND DISTRICT OFFICER

*James L. Harris*  
JAMES L. HARRIS  
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES SHOWN 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 1:24,000, EDITION 1953.

ADMIRALTY INLET  
CRAVEN ROCK  
MARROWSTONE ISLAND  
MARROWSTONE POINT  
PUGET SOUND

*George M. Bass*  
*Geographic Names*  
*Section*  
*15 August 1963*

49. NOTES FOR THE HYDROGRAPHER:

THE PHOTO-HYDRO STATION BELOW IS SHOWN ON THIS MANUSCRIPT. IT WAS IDENTIFIED BY THE FIELD PARTY AND LOCATED BY THE KELSM OPERATOR DURING COMPILATION.

No.	DESCRIPTION	FIELD PHOTO No.
5801	EAST CORNER OF 8' SQUARE, 24' HIGH, BLAT WORK WOODEN SIGNAL AT TOP EDGE OF BLUFF	60 W 2030

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10000 12058

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 None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE None	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 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 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 James L. 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>5/21/63</i>	

Review Report  
Shoreline Surveys  
T-12056 through T-12061  
October 1963

61. General Statement

There 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-6884 a&b c	1:10,000 & 1:5,000	1941
T-6885 a&b	1:10,000 & 1:5,000	1941
T-1255	1:10,000	1871
T-4191	1:10,000	1926

There are cultural and shoreline differences due to time interval. These maps are to supersede the above surveys for common areas for nautical charting.

63. Comparison with Maps of Other Agencies

Bequin	1:24,000	1956
Gardiner	1:24,000	1953
Fort Townsend (South)	1:24,000	1953
Nordland	1:24,000	1953

There are minor cultural and shoreline differences, due to the difference in time intervals.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

6403	1:40,000	Revised to July 1963
6405	1:20,000	Revised to Feb. 1962

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. Dande*  
L. C. Dande

Approved by:

*Charles Lerner*  
Chief, Photogrammetric Branch

*J. E. Waugh 12/16/63*  
Chief, Photogrammetry Division

