

# 12070

orig

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-12070</u>
LOCALITY	
State <u>WASHINGTON</u>	
General locality <u>PUGET SOUND</u>	
Locality <u>POINT NG POINT</u>	
<u>1960-1961</u>	
CHIEF OF PARTY	
<u>FRED NATELLA</u>	
LIBRARY & ARCHIVES	
DATE <u>May 1964</u>	

USCOMM-DC 5087

# 12070

## DESCRIPTIVE REPORT - DATA RECORD

T - 12070

PROJECT NO. (II):			
PH-6101			
FIELD OFFICE (II):		CHIEF OF PARTY	
PORT TOWNSEND, WASHINGTON		FRED NATELLA	
PHOTOGRAMMETRIC OFFICE (III):		UNIT CHIEF:	
PORTLAND, OREGON		L. F. VAN SCOY	
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 STEREOSCOPIC INSTRUMENT			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):	
1:10,000		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):		VERTICAL DATUM (III):	
N.A. 1927		MEAN SEA LEVEL EXCEPT AS FOLLOWS: X	
		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):			
NO POINT, 1921			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED	
47° 54' 44.674"	122° 31' 31.468"	<input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV):		STATE	ZONE
337,379.52 x = 1,585,064.69		WASHINGTON	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 (III): <b>L.-F. VAN SCOY &amp; R. B. MELBY</b>		DATE: <b>MAY-JUNE 1961</b>
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>LOCATED BY FIELD INSPECTION JUNE, 1961 AND COMPILED BY KELSH INSTRUMENT.</b>		
PROJECTION AND GRIDS RULED BY (IV):  <b>A. R.</b>		DATE <b>4-12-62</b>
PROJECTION AND GRIDS CHECKED BY (IV):  <b>A. R.</b>		DATE <b>4-16-62</b>
CONTROL PLOTTED BY (III):  <b>C. H. BISHOP</b>		DATE <b>5-17-62</b>
CONTROL CHECKED BY (III):  <b>J. L. HARRIS</b>		DATE <b>5-18-62</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  <b>R. J. PUHL</b>		DATE <b>APRIL 1962</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY  <b>D. N. WILLIAMS</b>	DATE <b>5-8-62</b>
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): <b>C. C. HARRIS</b> STICK-UP: <b>C. C. HARRIS</b>		DATE <b>9-13-62</b> <b>1-9-63</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  <b>J. L. HARRIS, ROUGH DRAFT</b> <b>J. L. HARRIS, ADVANCE</b>		DATE <b>7-3-62</b> <b>2-10-63</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 2070 THRU 2072	9-21-60	12:30	1:30,000	4.0' ABOVE M.L.L.W.
RATIO PRINTS OF ABOVE AT 1:10,000 SCALE.				
				COMPUTED FROM PRE- DICTED TIDE TABLES.

## TIDE (III)

			RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SEATTLE, WASHINGTON				7.6	11.3
COORDINATE STATION: POINT No POINT, WASHINGTON				6.7	10.4
SUBORDINATE STATION:					
WASHINGTON OFFICE REVIEW BY (IV):			DATE:		
PROOF EDIT BY (IV):			DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 2		RECOVERED: 2	IDENTIFIED: 2		
NUMBER OF BM(S) SEARCHED FOR (II): 0		RECOVERED: 0	IDENTIFIED 0		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0					
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 1					

REMARKS:

1

## FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12070

PROJECT PH-6101

REFER TO THE FIELD INSPECTION REPORT FOR T-12069 THRU T-12072  
BY L. F. VAN SCOY, MAY - JUNE 1961 AND INCLUDED WITH THE DESCRIPTIVE  
REPORT FOR T-12069.

## PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12070

PROJECT PH-6101

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT No. 1 BY RAYMOND  
J. PUHL, APRIL 1962, INCLUDED WITH THE DESCRIPTIVE REPORT FOR  
T-12066.

MAP T-12070..

PROJECT NO. PH-6101

**SCALE OF MAP..... 1:10,000**

SCALE FACTOR NONE

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: **A.J.P.**

DATE 5-1-62

CHECKED BY: C.H.B.

DATE 5-15-62

COMM-DC-57843

COMPILATION REPORT  
MAP MANUSCRIPT T-12070  
PROJECT PH-8101

ITEMS 31 THRU 34:

REFER TO THE COMPILATION REPORT FOR T-12068.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS SPOT LOCATED BY THE FIELD UNIT AND REFINED BY THE COMPILER DURING COMPILATION BY KELSH INSTRUMENT. SEVERAL SMALL PIERS AND MARINE RAILWAYS WERE IDENTIFIED. THE CHARACTER OF THE FORESHORE WAS FIELD INSPECTED AND THE OFFSHORE LIMITS OF THESE FEATURES WERE DELINEATED FROM PHOTOGRAPHY TAKEN AT A PREDICTED TIDE OF 4.0 FT. ABOVE M.L.L.W.

THE APPROXIMATE SHALLOW LINE SHOWN WAS DETERMINED FROM OFFICE INSPECTION OF THE PHOTOGRAPHY.

36. OFFSHORE DETAILS:

OFFSHORE FEATURES CONSIST OF DOLPHINS, PILES AND ROCKS, ALL OF WHICH WERE IDENTIFIED BY THE FIELD UNIT AND THEIR POSITIONS WERE DETERMINED BY THE KELSH INSTRUMENT OPERATOR. THE HEIGHTS OF THE ROCKS OBTAINED AT THE TIME OF FIELD INSPECTION WERE ADJUSTED TO THE MANUSCRIPT VERTICAL DATUM.

37. LANDMARKS AND AIDS:

ONE INTERSECTION TRIANGULATION STATION HAS BEEN RECOMMENDED FOR CHARTING AS A NONFLOATING AID. FORM 567 IS SUBMITTED.



38. CONTROL FOR FUTURE SURVEYS:

ONE PHOTO-HYDRO STATION WAS IDENTIFIED BY THE FIELD UNIT AND LOCATED DURING THE AEROTRIANGULATION BRIDGE. THIS POSITION HAS BEEN PLOTTED ON THE MANUSCRIPT. REFER TO BIDE HEADING 49, NOTES FOR THE HYDROGRAPHER.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12069 TO THE WEST AND WITH T-12071 TO THE SOUTH. PUGET SOUND LIES TO THE NORTH AND EAST OF THIS MANUSCRIPT.

40. HORIZONTAL AND VERTICAL ACCURACY:46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

NAUTICAL CHART 6401, SCALE 1:150,000 AT LAT. 47° 40'  
1ST ED. 8-10-46, REVISED 10-6-58.

NAUTICAL CHART 6450, SCALE 1:80,000 AT LAT. 47° 57'  
12TH ED. NOV. 1961, REVISED 8-6-62.

NAUTICAL CHART 6421, SCALE 1:20,000 AT LAT. 47° 53'  
1ST ED. NOV. 1945, REVISED 8-8-60.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:

FRED NATELLA, CAPT, C&GS  
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:

JAMES L. HARRIS  
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

THE FOLLOWING GEOGRAPHIC NAMES WERE FURNISHED BY THE  
WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S.  
HANSVILLE, WASHINGTON 7½ MINUTE QUADRANGLE, SCALE 1:24,000,  
EDITION 1953.

BUCK LAKE  
HANSVILLE  
NORWEGIAN POINT  
PILOT POINT  
POINT NO. POINT  
PUGET SOUND.

*George M. Bauer*  
*Geographic Names*  
*Section*  
*August 14 1963*

49. NOTES FOR THE HYDROGRAPHER:

THE DESCRIPTION AND NUMBER OF THE ONE PHOTO-HYDRO STATION SHOWN ON THIS MANUSCRIPT IS LISTED BELOW. IT WAS IDENTIFIED BY THE FIELD UNIT AND LOCATED DURING THE CONTROL EXTENSION BY ANALYTIC AEROTRIANGULATION METHODS.

<u>No.</u>	<u>DESCRIPTION</u>	<u>FIELD PHOTO. No.</u>
7001	LONE FIR TREE	60 W 2070

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10063 T-12070

1. PROJECTION AND GRIDS <i>X</i>	2. TITLE <i>X</i>	3. MANUSCRIPT NUMBERS <i>X</i>	4. MANUSCRIPT SIZE <i>X</i>
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <i>X</i>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <i>X</i>		7. PHOTO HYDRO STATIONS <i>X</i>
8. BENCH MARKS <i>None</i>	9. PLOTTING OF SEXTANT FIXES <i>None</i>	10. PHOTOGRAMMETRIC PLOT REPORT <i>X</i>	11. DETAIL POINTS <i>None</i>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <i>X</i>	13. LOW-WATER LINE <i>X</i>	14. ROCKS, SHOALS, ETC. <i>X</i>	15. BRIDGES <i>None</i>
16. AIDS TO NAVIGATION <i>X</i>	17. LANDMARKS <i>X</i>	18. OTHER ALONGSHORE PHYSICAL FEATURES <i>X</i>	19. OTHER ALONGSHORE CULTURAL FEATURES <i>X</i>
PHYSICAL FEATURES			
20. WATER FEATURES <i>X</i>	21. NATURAL GROUND COVER <i>X</i>		22. PLANETABLE CONTOURS <i>None</i>
23. STEREOSCOPIC INSTRUMENT CONTOURS <i>None</i>	24. CONTOURS IN GENERAL <i>None</i>	25. SPOT ELEVATIONS <i>None</i>	26. OTHER PHYSICAL FEATURES <i>X</i>
CULTURAL FEATURES			
27. ROADS <i>X</i>	28. BUILDINGS <i>X</i>	29. RAILROADS <i>None</i>	30. OTHER CULTURAL FEATURES <i>X</i>
BOUNDARIES			
31. BOUNDARY LINES <i>None</i>		32. PUBLIC LAND LINES <i>None</i>	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES <i>X</i>	34. JUNCTIONS <i>X</i>		35. LEGIBILITY OF THE MANUSCRIPT <i>X</i>
36. DISCREPANCY OVERLAY <i>None</i>	37. DESCRIPTIVE REPORT <i>X</i>	38. FIELD INSPECTION PHOTOGRAPHS <i>X</i>	39. FORMS <i>X</i>
40. REVIEWER <i>James L Harris</i>		SUPERVISOR, REVIEW SECTION OR UNIT <i>Edward Deal</i>	
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			

Review Report  
Shoreline Surveys  
T-12068 thru T-12073  
November 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 non-floating aids and landmarks for the revision of our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1303b	1:10,000	1872
T-1389b	1:10,000	1872
T-4287	1:10,000	1927
T-4307	1:10,000	1927
T-6259	1:20,000	1934

Cultural and shoreline changes have been continuous. These map manuscripts are to supersede the above listed surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Port Ludlow	1:24,000	1953
Hansville	1:24,000	1953
Port Gamble	1:24,000	1953
Edmonds (East)	1:24,000	1953
Edmonds (West)	1:24,000	1953

There are cultural and shoreline changes due to the difference in survey dates.

64. Comparison with Contemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

6401	1:150,000	Oct. 1962
6521	1:20,000	revised to Aug 1960
6450	1:80,000	revised to June 1963

There are no differences of importance between the Charts and the subject manuscripts.

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. Lander  
Chief, Photogrammetric Branch

J. E. Vaughn 1/31/64  
Chief, Photogrammetry Division

