

12067

orig

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-12067

LOCALITY

State WASHINGTON

General locality ADMIRALTY INLET

Locality OLELE POINT

1960 - 1961

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12067

DESCRIPTIVE REPORT - DATA RECORD
T - 12087

PROJECT NO. (II):

PH-6101

FIELD OFFICE (II):

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
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):

BASALT, 1921

LAT.:

47° 57' 33.252"

LONG.:

122° 40' 30.723"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

355,299.32

X = 1,548,747.52

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 (III): R. B. MELBY		DATE: JULY - AUG. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): AUGUST 1961 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 4-11-62
PROJECTION AND GRIDS CHECKED BY (IV): A.R.		DATE 4-16-62
CONTROL PLOTTED BY (III): C. H. BISHOP		DATE 5-15-62
CONTROL CHECKED BY (III): J. L. HARRIS		DATE 5-16-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. J. PUHL		DATE APRIL 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 6-27-62
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): C. C. HARRIS J. L. HARRIS & C. C. HARRIS, STICK-UP		DATE 10-15-62 1-2-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. L. HARRIS, ROUGH DRAFT J. L. HARRIS, ADVANCE		DATE 7-5-62 1-30-63
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 2033 THRU 2035	9-21-60	12:06	1:30,000	2.7' ABOVE M.L.L.W.
RATIO PRINTS OF ABOVE AT 1:10,000 SCALE.				
COMPUTED FROM PRE- DICTED TIDE TABLES.				

TIDE (III)

DIURNAL

		RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION:	SEATTLE, WASHINGTON		7.6	11.3
COORDINATE STATION:	PORT LUDLOW, WASHINGTON		6.4	9.9
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	5	RECOVERED: 3	IDENTIFIED: 1	
NUMBER OF BM(S) SEARCHED FOR (III):	0	RECOVERED:	IDENTIFIED	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 1				

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12067

PROJECT PH-6101

REFER TO THE FIELD INSPECTION REPORT FOR T-12066, T-12067
AND T-12068 BY R. B. MELBY, JULY - AUGUST 1962, WHICH IS INCLUDED
WITH THE DESCRIPTIVE REPORT FOR T-12066.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12067

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- 12067

PROJECT NO. PH-6101

SCALE OF MAP 1:10,000

SCALED FACTOR
NONE[illegible]

1 FT. = .3048006 METER

COMPUTED BY: A.J.P.

DATE 4-27-62

CHECKED BY: C.H.B.

DATE _____

5-14-62

COMM-DC-57843

COMPILATION REPORT
MAP MANUSCRIPT T-12067
PROJECT PH-6101

31. DELINEATION:

PLANIMETRY WAS COMPILED BY USE OF THE KELSH INSTRUMENT. THIS MANUSCRIPT WAS SCRIBED IN ACCORDANCE WITH METHOD 2, PHOTOGRAMMETRIC INSTRUCTIONS 55, REVISED, DATED MAY 20, 1959 AND WAS COMPLETED PRIOR TO RECEIPT OF AMENDMENT 4, DATED DECEMBER 14, 1962.

32. CONTROL:

ADEQUATE SUPPLEMENTARY CONTROL WAS ESTABLISHED BY ANALYTIC AEROTRIANGULATION.

33. SUPPLEMENTAL DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS FIELD INSPECTED. NO DRAINAGE COULD BE DISCERNED BY STEREOSCOPIC EXAMINATION OF THE OFFICE PHOTOGRAPHY AND NONE APPEARS ON THE U.S.G.S. QUADRANGLE.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH-WATER LINE WAS SPOT LOCATED BY THE FIELD PARTY AND REFINED BY THE KELSH OPERATOR. THE LIMITS OF ROCK LEDGE WERE COMPILED AS LOCATED BY FIELD INSPECTION. THE CHARACTER OF THE REMAINING FORESHORE AREA WAS SHOWN BY SYMBOL OR LABEL AS INDICATED BY THE FIELD PARTY AND ITS EXTENT DELINEATED FROM EXAMINATION OF PHOTOGRAPHY TAKEN AT A PREDICTED TIDE OF 2.7 FEET ABOVE M.L.L.W. THE SAME PHOTOGRAPHS WERE USED TO DELINEATE AN APPROXIMATE SHALLOW LINE.

36. OFFSHORE DETAILS:

THREE CLUSTERS OF OFF-LYING ROCKS, KLAS ROCK, SNAKE ROCK AND COLVOS ROCKS HAVE BEEN SHOWN. ELEVATIONS OF THESE ROCKS WERE OBTAINED BY ADJUSTING THE HEIGHTS OBSERVED AT THE TIME OF FIELD INSPECTION TO THE VERTICAL DATUM OF THE MANUSCRIPT.

37. LANDMARKS AND AIDS:

ONE INTERSECTION TRIANGULATION STATION ; HAS BEEN SHOWN AS A FIXED AID TO NAVIGATION. FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

TWO PHOTO-HYDRO STATIONS WERE IDENTIFIED BY THE FIELD PARTY AND WERE INCLUDED WITH THE AEROTRIANGULATION BRIDGE. NUMBERS WITH DESCRIPTIONS ARE LISTED IN PARAGRAPH 49.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12065 TO THE NORTH, WITH T-12068 TO THE SOUTH AND WITH T-12066 TO THE WEST. THERE IS NO CONTEMPORARY SURVEY TO THE EAST.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7 $\frac{1}{2}$ MINUTE PORT LUDLOW, WASHINGTON QUADRANGLE, SCALE 1:24,000, EDITION 1953.

47. COMPARISONS WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

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

NAUTICAL CHART ⁶⁴⁵⁰~~6440~~, SCALE 1:80,000 AT LAT 47° 57'
12TH ED. NOV. 1961, REVISED 8-6-62.

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

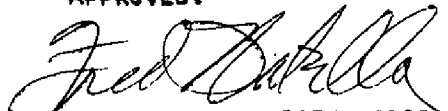
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

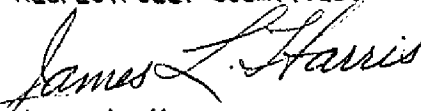
ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


JAMES L. HARRIS,
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

LISTED BELOW ARE THE GEOGRAPHIC NAMES ON THIS MANUSCRIPT.
THEY WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME
SHEET, A COPY OF THE U.S.G.S. PORT LUDLOW, WASHINGTON 7 $\frac{1}{2}$ MINUTE
QUADRANGLE, SCALE 1:24,000, EDITION 1953.

ADMIRALTY INLET
BASALT POINT
COLVOS ROCKS
KLAS ROCK
MATS MATS (BAY)
MATS MATS (COMMUNITY)
OLELE POINT
SNAKE ROCK

George M. Ball
Geographic Names
Section
August 14 1963

49. NOTES FOR THE HYDROGRAPHER:

TWO PHOTO-HYDRO STATIONS, IDENTIFIED BY THE FIELD PARTY,
WERE LOCATED BY ANALYTIC AEROTRIANGULATION METHODS.

<u>No.</u>	<u>DESCRIPTION</u>	<u>FIELD PHOTO. No.</u>
6701	CHIMNEY ON WHITE HOUSE	60 W 2035
6702	N.E. CORNER PINK HOUSE	60 W 2035

PHOTOGRAMMETRIC OFFICE REVIEW

~~FORM~~ T-12067

1. PROJECTION AND GRIDS X	2. TITLE X	3. MANUSCRIPT NUMBERS X	4. MANUSCRIPT SIZE X
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY X	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT X	11. DETAIL POINTS None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE X	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. X	15. BRIDGES None
16. AIDS TO NAVIGATION X	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES X	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES X	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS None
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS None	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES None		32. PUBLIC LAND LINES None	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES X	34. JUNCTIONS X		35. LEGIBILITY OF THE MANUSCRIPT X
36. DISCREPANCY OVERLAY None	37. DESCRIPTIVE REPORT X	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS X
40. REVIEWER J. L. Harris		SUPERVISOR, REVIEW SECTION OR UNIT Edward Deal	
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>Alongshore area for hydro</i>	<i>12/17/62</i>	<i>Copies not fur- nished for hydro</i>

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

61. General Statement

There are six (6) shoreline maps of Project FH-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-4185	1:10,000	1926
T-4220	1:10,000	1926
T-4222	1:10,000	1871
T-4224	1:10,000	1872
T-4227	1:10,000	1927
T-600-440b	1:5,000 and 1:10,000	1941
T-600-440c	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
Norland	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. 1963
6420	1:20,000	revised to Aug. 1963
6450	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.

Revised by:

L. C. Lande
L. C. Lande

Approved by:

Charles Shuman
Chief, Photogrammetric Branch

J. E. Vaughn 5/6/64
Chief, Photogrammetry Division

