

12065

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-12065

LOCALITY

State WASHINGTON

General locality ADMIRALTY INLET

Locality MARROWSTONE ISLAND

1960-1962

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12065

DESCRIPTIVE REPORT - DATA RECORD

T - 12065

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):

NODULE (USE) 1921

LAT.:

48° 01' 52.061"

LONG.:

122° 40' 03.480"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 381,471.80

X = 1,551,226.19

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 1-17-63
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III): C. H. BISHOP		DATE 2-3-63
CONTROL CHECKED BY (III): R. H. MEYER		DATE 2-3-63
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 3-4-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 4-16-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: C. C. HARRIS ADVANCE: J. L. HARRIS		DATE 2-4-63 4-23-63
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	D ¹ URNAL -SPRING RANGE
REFERENCE STATION: PORT TOWNSEND, WASHINGTON		5.1	8.3
SUBORDINATE 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): 5

RECOVERED: 3

IDENTIFIED:

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): 3

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12065

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-12065

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. = .3048006 METER
COMPUTED BY: L.L.G.
DATE: 2-2-63
CHECKED BY: R.H.M.
DATE: 2-2-63
COMM. DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-12065

PROJECT PH-6101

31. DELINEATION:

PLANIMETRY WAS COMPILED BY THE KELSH INSTRUMENT. THE COMPILATION OF ROADS BY METHOD 3 WAS DISCUSSED BY TELEPHONE WITH MR. C. THEURER OF THE WASHINGTON OFFICE. HE VERBALLY AGREED THAT IT WAS SATISFACTORY TO SHOW THE WIDTHS OF ROADS AT INTERSECTIONS OF ROADS ONLY. BETWEEN THE INTERSECTIONS THE CENTER LINE ONLY HAS BEEN SHOWN

BECAUSE OF THE LIMITED EXTENT OF THE BORDER BEYOND THE NEAT LIMITS OF THE RULED MANUSCRIPTS, CRONAFLEX PRINTS OF THE COMPILED MAPS WERE MADE TO PROVIDE ADEQUATE SPACE FOR THE PLACEMENT OF THE MARGINAL DATA.

THE LINES TO BE REPRODUCED ON THE CRONAFLEX COPY OF THE MANUSCRIPT WERE INKED. AN OZALID PRINT WAS THEN MADE OF THE KELSH COMPILATION IN ORDER TO PRESERVE THE COMPILED LIMITS OF STICK-UP AND THE PLACEMENT OF TYPE.

BY THE USE OF PEEL COTE MATERIAL, IT WAS POSSIBLE TO PRINT THE TREE SYMBOL AT THE SAME TIME THE CRONAFLEX PRINT WAS MADE. ALL OTHER SYMBOLS AND TYPE WERE APPLIED WITH STICK-UP MATERIAL.

32. CONTROL:

ANALYTIC AEROTRIANGULATION WAS USED TO ESTABLISH ADEQUATE SUPPLEMENTARY CONTROL.

33. SUPPLEMENTAL DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

THERE IS NO DRAINAGE IN THE AREA OF THIS MANUSCRIPT.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS SPOT LOCATED BY THE FIELD PARTY AND REFINED BY THE KELSH OPERATOR DURING COMPILATION. THE CHARACTER OF THE FORESHORE AREA WAS INDICATED ON THE FIELD PHOTOGRAPHS AND

WAS DELINEATED BY SYMBOL OR LABEL. THE SHALLOW LINE SHOWN WAS DETERMINED BY INSPECTION OF THE PHOTOGRAPHY TAKEN AT A PREDICTED TIDE OF 2.9 FEET ABOVE M.L.L.W. LOCATIONS AND ELEVATIONS OF ROCKS SHOWN WERE OBTAINED FROM DATA FURNISHED BY THE FIELD PARTY; THE HEIGHTS BEING ADJUSTED TO THE MANUSCRIPT DATUM.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

NO LANDMARKS OR AIDS ARE SHOWN ON THIS MAP.

38. CONTROLS FOR FUTURE SURVEYS:

THREE PHOTO-HYDRO STATIONS WERE IDENTIFIED BY THE FIELD UNIT AND THEIR LOCATIONS OBTAINED DURING KELSH INSTRUMENT COMPILATION. THEIR NUMBERS AND DESCRIPTIONS ARE LISTED IN PARAGRAPH 49, NOTES FOR THE HYDROGRAPHER.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12067 TO THE SOUTH; WITH T-12064 TO THE WEST AND WITH T-12058 TO THE NORTH. TO THE EAST IS ADMIRALTY INLET.

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

49. NOTES FOR THE HYDROGRAPHER:

THE FOLLOWING PHOTO-HYDRO STATIONS SHOWN ON THIS MANUSCRIPT WERE IDENTIFIED BY THE FIELD UNIT AND LOCATED BY THE KELSH OPERATOR DURING COMPILATION.

No.	DESCRIPTION	FIELD PHOTO No.
6501	EAST GABLE OF PICNIC BUILDING	60 W 2030
6502	WHITE ROCK AWASH M.H.W.	60 W 2031
6503	S.E. LEG (CORNER OF WOOD HYDRO SIGNAL AT LADDER LEG)	60 W 2016

PHOTOGRAMMETRIC OFFICE REVIEW

~~FORM~~ T-12065

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) <i>None</i>		7. PHOTO HYDRO STATIONS ✓
8. BENCH MARKS <i>None</i>	9. PLOTTING OF SEXTANT FIXES <i>None</i>	10. PHOTOGRAMMETRIC PLOT REPORT not ✓	11. DETAIL POINTS <i>not applicable</i>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE ✓	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES <i>None</i>
16. AIDS TO NAVIGATION <i>None</i>	17. LANDMARKS <i>None</i>	18. OTHER ALONGSHORE PHYSICAL FEATURES ✓	19. OTHER ALONGSHORE CULTURAL FEATURES ✓
PHYSICAL FEATURES			
20. WATER FEATURES ✓	21. NATURAL GROUND COVER ✓		22. PLANETABLE CONTOURS <i>not applicable</i>
23. STEREOSCOPIC INSTRUMENT CONTOURS <i>not applicable</i>	24. CONTOURS IN GENERAL <i>not applicable</i>	25. SPOT ELEVATIONS <i>not applicable</i>	26. OTHER PHYSICAL FEATURES ✓
CULTURAL FEATURES			
27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS <i>None</i>	30. OTHER CULTURAL FEATURES <i>None</i>
BOUNDARIES			
31. BOUNDARY LINES <i>not applicable</i>		32. PUBLIC LAND LINES <i>not applicable</i>	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ✓	34. JUNCTIONS ✓		35. LEGIBILITY OF THE MANUSCRIPT ✓
36. DISCREPANCY OVERLAY <i>not applicable</i>	37. DESCRIPTIVE REPORT ✓	38. FIELD INSPECTION PHOTOGRAPHS ✓	39. FORMS ✓
40. REVIEWER <i>Corita L. Harris</i>		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>4/16/63</i>	

48. Geographic Names List

Admiralty Inlet

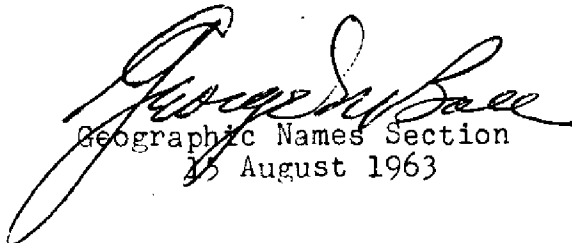
East Beach Park

Kinney Point

Liplip Point

Marrowstone Island

Nodule Point


Geographic Names Section
15 August 1963

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-4190	1:10,000	1926
T-1255	1:10,000	1871
T-1264	1:10,000	1872
T-1307	1:10,000	1927
T-6884abb	1:5,000 and 1:10,000	1941
T-6885abb	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
Horland	1:24,000	1953
Fort Ladlow	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	1:100,000	Oct. 1962
6403	1:40,000	revised to July 1963
6405	1:20,000	revised to Feb. 1962
6421	1:20,000	revised to Aug. 1960
6450	1:20,000	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 L. Lander
Chief, Photogrammetric BranchJ. W. Vaughn 9/6/64
Chief, Photogrammetry Division

