

12051

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-12051

LOCALITY

State WASHINGTON

General locality ADMIRALTY INLET

Locality POINT WILSON

1960 - 1962

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12051

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 12051

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): WORDEN, 1921		
LAT.: 48° 08' 27.545"	LONG.: 122° 46' 00.691"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): 422,127.04 x = 1,527,961.78		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: Aug.-Oct. 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): AUGUST, 1962 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A. R.		DATE 12-18-62
PROJECTION AND GRIDS CHECKED BY (IV): F. E. B.		DATE 12-20-62
CONTROL PLOTTED BY (III): J. L. HARRIS		DATE 1-21-63
CONTROL CHECKED BY (III): L. L. GRAVES		DATE 1-21-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): HENRY P. EICHERT		DATE Dec. 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY R. H. MEYER	DATE 2-6-63
	CONTOURS NONE	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT; R. H. MEYER		DATE 3-1-63
SCRIBING BY (III): STICK-UP; C. C. HARRIS		DATE 4-25-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT; J. L. HARRIS ADVANCE; J. L. HARRIS		DATE 3-27-63 4-30-63
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 1962 THRU 1964	9-21-60	11:12	1:30,000	2.0' ABOVE M.L.L.W.
	RATIO PRINTS OF ABOVE AT 1:10,000.			COMPUTED FROM PRE- DICTED TIDE TABLES.

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DUAL RANGE
REFERENCE STATION: PORT TOWNSEND, WASHINGTON		5.1	8.3
COORDINATE STATION:			
SUBORDINATE STATION:			
WASHINGTON OFFICE REVIEW BY (IV):	DATE:		
PROOF EDIT BY (IV):	DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 10	RECOVERED: 5	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II): 12	RECOVERED: 12	IDENTIFIED: 1	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 3

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12051

PROJECT PH-61010

REFER TO THE FIELD INSPECTION REPORT FOR T-12050 THRU T-12056
AND T-12059 THRU T-12063 INCLUDED WITH THE DESCRIPTIVE REPORT FOR
T-12050.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12051

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.

COMPILATION REPORT

MAP MANUSCRIPT T-12051

PROJECT PH-6101

ITEMS 31 THRU 34:

REFER TO THE COMPILATION REPORT FOR T-12065.

35. SHORELINE AND ALONGSHORE DETAILS:

ALL INFORMATION UNDER THIS SIDE HEADING OF THE COMPILATION REPORT FOR T-12065 IS APPLICABLE TO THIS MAP MANUSCRIPT WITH THE EXCEPTION THAT THE PHOTOGRAPHY WAS TAKEN AT A PREDICTED TIDE OF 2.0 FEET ABOVE M.L.L.W.

36. OFFSHORE DETAILS:

REFER TO THE COMPILATION REPORT FOR T-12065.

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:

THE FIELD PARTY IDENTIFIED THREE PHOTO-HYDRO STATIONS WHICH WERE LOCATED BY THE KELSH INSTRUMENT OPERATOR DURING COMPILATION. NUMBERS AND DESCRIPTIONS OF THESE PHOTO-HYDRO STATIONS ARE LISTED UNDER ITEM 49, NOTES TO THE HYDROGRAPHER.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12056 TO THE SOUTH AND WITH T-12050 TO THE WEST. TO THE NORTH IS THE STRAIT OF JUAN DE FUCA AND 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. $7\frac{1}{2}$ MINUTE PORT TOWNSEND, NORTH, 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 7-12-62.

APPROVED:

Fred Natella
FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

49. NOTES FOR THE HYDROGRAPHER:

THREE PHOTO-HYDRO STATIONS, IDENTIFIED BY THE FIELD PARTY
AND LOCATED BY THE KELSH INSTRUMENT, ARE LISTED BELOW.

No.	DESCRIPTION	FIELD PHOTO. No.
5101	DARK GREEN ROCK	60 W 1963
5102	NORTH GABLE, BROWN HOUSE WITH GLASS WALL	60 W 1963
5103	SOUTHEAST CORNER OF PIER	60 W 1963

PHOTOGRAMMETRIC OFFICE REVIEW

T-40888 12057

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 ✓	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 ✓	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES None
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 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>4/25/63</i>	

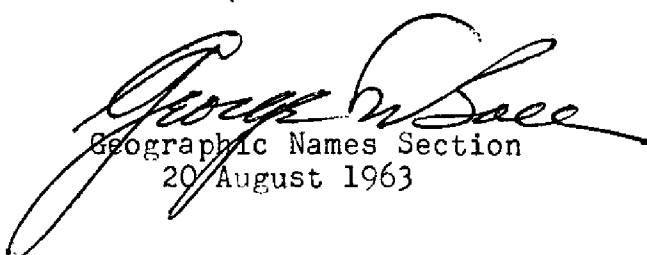
48. Geographic Names List

Admiralty Inlet

Point Wilson
Port Townsend

Quimper Peninsula

Strait of Juan de Fuca



Geographic Names Section
20 August 1963

Review Report
Shoreline Maps
T-12050 thru T-12055
September 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 use in 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-4191	1:10,000	1926
T-6884b	1:10,000	1941

There are cultural and shoreline differences but in general the agreement is good. There are some offshore rock differences that should be reconciled when the hydrographic surveys are made.

63. Comparison with Maps of Other Agencies

Port Townsend (North)	1:24,000	1953
Port Townsend (South)	1:24,000	1953
Sequim	1:24,000	1956
Gardiner	1:24,000	1953

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. Lande
L. C. Lande

Approved by:

Charles Lerner
Chief, Photogrammetric Branch

J E Waugh 5/26/64
Chief, Photogrammetry Division

