

12071

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-12071

LOCALITY

State WASHINGTON

General locality PUGET SOUND

Locality EGLON

1960-1961

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12071

DESCRIPTIVE REPORT - DATA RECORD

T - 12071

PROJECT NO. (II):

PH-6101

FIELD OFFICE (III):

PORT TOWNSEND, WASHINGTON

CHIEF OF PARTY

FRED NATELLA

UNIT CHIEF:

L. F. VAN SCOY

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):

IND, 1927 (WEST OF MANUSCRIPT)

LAT.:

47° 51' 18.361"

LONG.:

122° 34' 27.548"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

316,747.69

x = 1,572,599.70

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): L. F. VAN SCOY - R. B. MELBY		DATE: MAY-JUNE 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): BY FIELD INSPECTION JUNE 1961 AND COMPILED BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A. R.		DATE 4-12-62
PROJECTION AND GRIDS CHECKED BY (IV): A. R.		DATE 4-13-62
CONTROL PLOTTED BY (III): C. H. BISHOP		DATE 5-18-62
CONTROL CHECKED BY (III): J. L. HARRIS		DATE 5-18-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. J. PUNL		DATE APRIL 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 6-4-62
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): STICK-UP:		DATE 9-10-62 1-11-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. L. HARRIS, ROUGH DRAFT J. L. HARRIS, ADVANCE		DATE 7-10-62 2-14-63
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 2073 THRU 2075	9-21-60	12:34	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	DIURNAL 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):

5

RECOVERED:

4

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

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-12071

PROJECT PH-6101

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

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12071

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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
TROL RECORD

MAP T-12071 PROJECT NO. P-6101 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
PORT GAMBLE, MILL CHIMNEY, 1934	WASH.N. P-359	N.A. 1927	316,871.23	1871.23					West of Msc.	
			1,571,267.38	1267.38						
IND, 1927	" P-358	"	316,747.69	1747.69					"	
			1,572,599.70	2599.70						
SUB STA. A	OFFICE COMP.	"	316,850.8	1850.8					"	
			1,572,704.2	2704.2						
SUB STA. B	"	"	316,765.2	1765.2					"	
			1,572,686.8	2686.8						
PORT GAMBLE, INNER LIGHT 1934	WASH.N. P-359	"	318,253.18	3253.18			47° 51' 33.150	PC 359	L751/61	
			1,572,307.65	2307.65			122 34' 32.329			
OUTER LIGHT			319 385.9				47 51 44.332	comp. Dahlgren 6/19		
			1 572 332.9				122 34 32.335			

COMPILATION REPORT
MAP MANUSCRIPT T-12071
PROJECT PH-6101

ITEMS 31 THRU 34:

REFER TO COMPILATION REPORT FOR T-12068.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS SPOT LOCATED BY THE FIELD PARTY AND REFINED BY THE COMPILER DURING THE COMPILATION BY KELSM INSTRUMENT. A MARINE RAILWAY AND THE CHARACTER OF THE ALONGSHORE AREA WERE INDICATED BY THE FIELD UNIT AND ARE SHOWN ON THE MANUSCRIPT. THESE DATA WERE ADEQUATE FOR COMPILATION BY THE KELSM OPERATOR FROM PHOTOGRAPHY TAKEN AT 4.0 FT. ABOVE M.L.L.W.

THE APPROXIMATE SHALLOW LINE WAS DELINEATED BY THE COMPILER FROM EXAMINATION OF THE PHOTOGRAPHY.

36. OFFSHORE DETAILS:

BARING OF ROCKS SHOWN ON THIS MANUSCRIPT WERE COMPUTED TO REFER TO MANUSCRIPT DATUM FROM DATA FURNISHED BY THE FIELD UNIT AND INDICATED ON THE FIELD PHOTOGRAPHS.

37. LANDMARKS AND AIDS:

NO LANDMARKS OR AIDS TO NAVIGATION FALL IN THE AREA OF THIS MANUSCRIPT.

38. CONTROL FOR FUTURE SURVEYS:

ONE PHOTO-HYDRO STATION IN THE AREA OF THIS MANUSCRIPT WAS IDENTIFIED BY THE FIELD UNIT. IT WAS LOCATED DURING THE AERO-TRIANGULATION CONTROL EXTENSION. ITS NUMBER AND DESCRIPTION ARE LISTED IN ITEM 49, NOTES TO THE HYDROGRAPHER.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12070 TO THE NORTH AND WITH T-12072 TO THE EAST. THERE ARE NO CONTEMPORARY SURVEYS TO THE SOUTH OR WEST.

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

COMPARISON WAS MADE WITH THE CORPS OF ENGINEERS 15 MINUTE PORT GAMBLE, WASHINGTON QUADRANGLE, SCALE 1:62,500.

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.

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 GEOGRAPHIC NAMES LISTED BELOW AND SHOWN ON THIS MANUSCRIPT WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE CORPS OF ENGINEERS 15 MINUTE PORT GAMBLE, WASHINGTON, QUADRANGLE, SCALE 1:62,500.

EGLON
MILLER LAKE
PUGET SOUND

George W. Baer
Geographic Name Section
August 14 1963

49. NOTES FOR THE HYDROGRAPHER:

THE PHOTO-HYDRO STATION LISTED BELOW WAS IDENTIFIED BY THE FIELD UNIT AND ITS POSITION DETERMINED DURING THE AEROTRANGULATION CONTROL EXTENSION.

<u>No.</u>	<u>DESCRIPTION</u>	<u>FIELD PHOTO. No.</u>
7101	EAST GABLE, WHITE BOATHOUSE	60 W 2073

PHOTOGRAMMETRIC OFFICE REVIEW

~~T-10363~~ T-12071

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>None</i>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <i>None</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>None</i>	17. LANDMARKS <i>None</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

There 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
Nanaville	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
6430	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.

2
Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Shuman
Chief, Photogrammetric Branch

J. E. Waugh 11/31/64
Chief, Photogrammetry Division

