

12073

orig.

12073

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No.	Office No. T-12073
LOCALITY	
State	WASHINGTON
General locality	PUGET SOUND
Locality	EDMONDS
1960 - 1961	
CHIEF OF PARTY	
FRED NATELLA	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYDESCRIPTIVE REPORT - DATA RECORD
T - 12073

PROJECT NO. (II):

PM-6101

FIELD OFFICE (II):

PORT TOWNSEND, WASHINGTON

CHIEF OF PARTY

UNIT CHIEF,

FRED NATELLA
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):

TIDE 2, 1924 (REFER TO T-11639, PROJECT PM-5905)

LAT.:

47° 52' 48.405"

LONG.:

122° 19' 54.172"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

324,616.17

x = 1,632,326.95

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		DATE: JUNE-AUG. 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): LOCATED BY FIELD INSPECTION APRIL 1961, & JUNE 1962 AND COMPILED BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): J.D.C.		DATE 6-13-61
PROJECTION AND GRIDS CHECKED BY (IV): J.F.		DATE 6-13-61
CONTROL PLOTTED BY (III): J. L. HARRIS		DATE 7-21-61
CONTROL CHECKED BY (III): L. L. GRAVES		DATE 7-24-61
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): J. D. PERROW, JR.		DATE JULY, 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 9-19-61
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): STICK-UP:	C. H. BISHOP C. C. HARRIS	DATE 12-18-62 1-29-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C. H. BISHOP, ROUGH DRAFT J. L. HARRIS, ADVANCE		DATE 12-12-62 2-19-63
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "W" & "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2120 THRU 2123	9-21-60	13:12	1:30,000	4.9 FT. ABOVE M.L.L.W.
60 S 2515 AND 2516	4-25-60	13:36	1:20,000	4.7 FT. " "
RATIO PRINTS OF 60 S 2515 & 2516 AT 1:6667 SCALE.				COMPUTED FROM PRE- DICTED TIDE TABLES.

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DIAL SPRING RANGE
REFERENCE STATION: SEATTLE, WASHINGTON		7.6	11.3
COORDINATE STATION: MUKILTEO, WASHINGTON		7.4	11.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

8

RECOVERED:

IDENTIFIED:

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

3

RECOVERED:

IDENTIFIED

3

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

1

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

1

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12073

PROJECT PH-8101

REFER TO THE FIELD INSPECTION REPORT FOR T-12057, T-12058,
T-12064, T-12065 AND T-12073 INCLUDED IN THE DESCRIPTIVE REPORT
FOR T-12057.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12073

PROJECT PH-6101

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT BY JOHN D. PERROW,
JR., JULY 1961 AND INCLUDED WITH THE DESCRIPTIVE REPORT FOR
T-11633, PROJECT PH-5905.

SCALE FACTOR NONE

1 FT. = 3048006 METER
COMPUTED BY: J.E.D.
DATE: 5-5-61
CHECKED BY: C.H.B.
D.N.W.
12-10-62
12-10-62
COMM-DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-12073

PROJECT PH-6101

31. DELINEATION:

REFER TO ITEM 31 OF THE COMPILATION REPORT FOR T-12068.

32. CONTROL:

ADEQUATE SUPPLEMENTARY CONTROL WAS ESTABLISHED BY THE STEREOPLANIGRAPH BRIDGE.

33. SUPPLEMENTAL DATA:

PORT OF EDMONDS, SMALL BOAT HARBOR, APRIL 1961
REVISED OCTOBER, 1961, SCALE 1 INCH = 50 FEET.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE WAS COMPILED AS FIELD INSPECTED AND CONFIRMED BY STEREOSCOPIC EXAMINATION OF THE PHOTOGRAPHY AND BY COMPARISON WITH THE U.S.G.S QUADRANGLE.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH-WATER LINE WAS COMPILED USING SPOT LOCATIONS BY THE FIELD UNIT AND REFINED DURING THE COMPILATION BY KELSH INSTRUMENT. THE CHARACTER OF THE FORESHORE AREA WAS INDICATED ON THE FIELD PHOTOGRAPHY AND IS DELINEATED ON THE MANUSCRIPT BY SYMBOL OR BY LABEL FROM PHOTOGRAPHS TAKEN AT 4.9 FT. ABOVE MLLW.

AN APPROXIMATE SHALLOW LINE WAS DELINEATED FROM OFFICE INTERPRETATION OF THE PHOTOGRAPHS.

36. OFFSHORE DETAILS:

SEVERAL DOLPHINS AND PILES WERE IDENTIFIED BY THE FIELD UNIT AND LOCATED BY THE KELSH OPERATOR DURING COMPILATION. ELEVATIONS OF ROCKS MEASURED AT THE TIME OF FIELD INSPECTION WERE CONVERTED TO THE VERTICAL DATUM OF THE MANUSCRIPT.

37. LANDMARKS AND AIDS:

FOUR NONFLOATING AIDS HAVE BEEN ESTABLISHED. THREE ARE SHOWN ON THIS MANUSCRIPT AND ONE IS LOCATED SOUTH OF THE PROJECT. FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

ONE PHOTO-HYDRO STATION WAS IDENTIFIED BY THE FIELD UNIT AND IS LOCATED WITHIN THE AREA OF THIS MANUSCRIPT. THE NUMBER AND DESCRIPTION OF THIS PHOTO-HYDRO STATION IS LISTED UNDER ITEM 49, NOTES FOR THE HYDROGRAPHER.

39. JUNCTIONS:

A SATISFACTORY JUNCTION WAS MADE WITH T-11639 TO THE NORTH. THERE ARE NO CONTEMPORARY SURVEYS TO THE EAST, SOUTH AND WEST.

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

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ MINUTE EDMONDS EAST, 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. $47^{\circ} 40'$
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 6445, SCALE 1:25,000 AT LAT. 47° 44'
1ST ED. 10-13-47, REVISED 3-21-60.

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

BROWNS BAY
EDMONDS
LUNDS GULCH
MEADOWDALE
NORMA BEACH
PUGET SOUND
SHELL CREEK

George M. Ball
Geographic Names Section
August 14 1863

49. NOTES FOR THE HYDROGRAPHER:

ONE PHOTO-HYDRO STATION IS SHOWN ON THIS MANUSCRIPT. ITS POSITION WAS ESTABLISHED BY THE KELSH INSTRUMENT DURING COMPILATION..

<u>No.</u>	<u>DESCRIPTION</u>	<u>FIELD PHOTO. No.</u>
7301	WEST GABLE OF WHITE HOUSE WITH TWIN WINDOWS UNDER GABLE	60 S 2513

C&GS FORM 1002
(11-13-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363-12073

1. PROJECTION AND GRIDS X	2. TITLE ✓	3. MANUSCRIPT NUMBERS X	4. MANUSCRIPT SIZE ✓ CIB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ✓	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) ✓		7. PHOTO HYDRO STATIONS ✓
8. BENCH MARKS ✓	9. PLOTTING OF SEXTANT FIXES NONE	10. PHOTOGRAMMETRIC PLOT REPORT ✓	11. DETAIL POINTS ✓
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE NONE	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 NONE
23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	24. CONTOURS IN GENERAL NONE	25. SPOT ELEVATIONS NONE	26. OTHER PHYSICAL FEATURES ✓
CULTURAL FEATURES			
27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS ✓	30. OTHER CULTURAL FEATURES ✓
BOUNDARIES			
31. BOUNDARY LINES ✓		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 Charles H Bishop		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 Reference Station: Msc TIDE 2, 1924 (Proj. 5905, Sheet 11639) Lat. 47 52 48.405 Long 122 19 54.172			

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-1389a	1:10,000	1872
T-4287	1:10,000	1927
T-4307	1:10,000	1927
T-5259	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
Hoodville	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
6421	1:20,000	revised to Aug 1960
6450	1:20,000	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 H. Hanner
Chief, Photogrammetric Branch

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

