

# 12072

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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-12072

### LOCALITY

State WASHINGTON

General locality PUGET SOUND

Locality APPLE COVE; POINT

1960-1961

### CHIEF OF PARTY

FRED NATELLA

### LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

# 12072

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

## DESCRIPTIVE REPORT - DATA RECORD

T - 12072

PROJECT NO. (II) :

PH-6101

FIELD OFFICE (II) :

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) :

APPLE, 1921

LAT.:

47° 48' 53.993"

LONG.:

122° 28' 52.902"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV) :

301,820.52

X = 1,595,103.25

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):  L. F. VAN SCOY - R. B. MELBY		DATE:  MAY-JUNE 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  LOCATED 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. PUHL		DATE  APRIL, 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY  D. N. WILLIAMS	DATE  6-5-62
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): STICK-UP BY: C. C. HARRIS C. C. HARRIS		DATE 9-5-62 1-15-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  J. L. HARRIS, ROUGH DRAFT J. L. HARRIS, ADVANCE		DATE 7-10-62 2-15-63
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&amp;GS SINGLE LENS "W"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2074 AND 2075	9-21-60	12:34	1:30,000	4.0' 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	SPRING 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): 3	RECOVERED: 3	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED: 0	IDENTIFIED: 0	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

## FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12072

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-12072

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.

SCALE FACTOR NONE

1 FT. = .3048006 METER  
COMPUTED BY: C.H.B.  
DATE: 5-15-62  
CHECKED BY: J.E.D.  
DATE: 5-15-62  
COMM-DC-57843

COMPILATION REPORT  
MAP MANUSCRIPT T-12072  
PROJECT PH-6101

ITEMS 31 THRU 33:

REFER TO THE COMPILATION REPORT FOR T-12068.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS FIELD INSPECTED AND NONE WAS SHOWN ON THE U.S.G.S. QUADRANGLE OF THE AREA.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS REFINED AND COMPILED BY THE KELSH OPERATOR USING SPOT LOCATIONS FURNISHED BY THE FIELD UNIT AS A GUIDE. THE CHARACTER OF THE FORESHORE AREA WAS INDICATED ON THE FIELD PHOTOGRAPHS. THE EXTENT OF THIS AREA AS SHOWN ON THE MANUSCRIPT WAS OBTAINED FROM PHOTOGRAPHY TAKEN AT 4.0 FT. ABOVE M.L.L.W.

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

36. OFFSHORE DETAILS:

NONE.

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:

NONE.

39. JUNCTIONS:

A SATISFACTORY JUNCTION: WAS MADE WITH T-12071 TO THE WEST.  
THERE ARE NO CONTEMPORARY SURVEYS TO THE NORTH, EAST OR SOUTH.

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

COMPARISON WAS MADE WITH THE U.S.G.S. 7½ MINUTE EDMONDS WEST,  
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° 40'  
1ST ED. 8-10-46, REVISED 10-6-58.

NAUTICAL CHART 6450, SCALED 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*  
FRED NATELLA, CAPT, C&GS  
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:

*James L. Harris*  
JAMES L. HARRIS  
CARTOGRAPHER

49. NOTES FOR THE HYDROGRAPHER:

NONE.

## PHOTOGRAMMETRIC OFFICE REVIEW

~~T-10003~~ T-12072

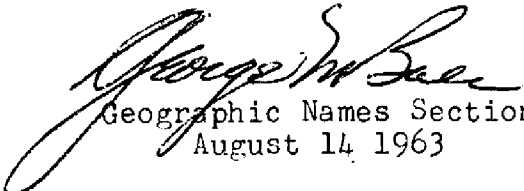
1. PROJECTION AND GRIDS <i>X</i>	2. TITLE <i>X</i>	3. MANUSCRIPT NUMBERS <i>X</i>	4. MANUSCRIPT SIZE <i>X</i>
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <i>X</i>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <i>None</i>		7. PHOTO HYDRO STATIONS <i>None</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>X</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			

T-12072

48. Geographic Names List

Apple Cove Point

Puget Sound

  
Geographic Names Section  
August 14, 1963

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-1303a	1:10,000	1872
T-1303b	1:10,000	1872
T-4007	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 Ladlow	1:24,000	1953
Hamlet	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
6423	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. Appropriacy 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 L. Lamm  
Chief, Photogrammetric Branch

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

