

11639

11639

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-5905 Office No. T-11639

LOCALITY

State Washington

General locality Possession Point

Locality Picnic Point

1960-1961

CHIEF OF PARTY

Fred Natella

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T- 11639

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mukilteo, Washington

Chief of Party: Fred Natella
Unit Chief: L. F. Van Scoy
Officer-in-Charge: Fred Natella

Photogrammetric Office (III): Portland, Oregon

Instructions dated (II) (III): 10 Feb. 1960 II
Supplement 1: 5 May 1960 II & III

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Kelsh Stereoscopic Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000
Pantograph Scale: 1:10,000

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): X

Mean sea level except as follows:
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): RAIL, 1924

Lat.: 47° 54' 15.033"

Long.: 122° 19' 25.434"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

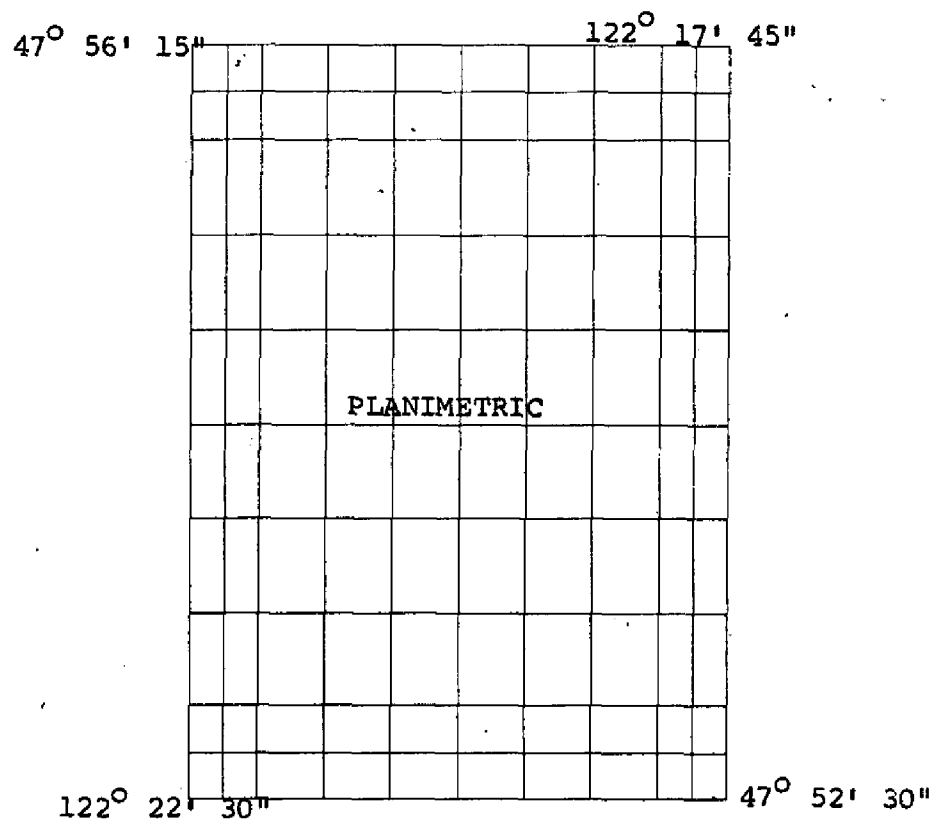
Y= 333,354.09

X= 1,634,455.52

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



Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): L. F. Van Scoy

Date: April 1961

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 4-26-61 by spot location
in field and Kelsh compilation.

Projection and Grids ruled by (IV):

R.A.C.

Date: 10-12-60

Projection and Grids checked by (IV):

J.D.C.

Date: 10-14-60-

Control plotted by (III):

L. L. Graves

Date: 6-9 & 7-21-61

Control checked by (III):

D. N. Williams

Date: 6-13 & 7-25-61

Radial Plot or Stereoscopic
Control extension by (III):

J. D. Perrow, Jr.

Date: July 1961

Stereoscopic Instrument compilation (III):

Planimetry D. N. Williams

Date: 7-31-61

Contours

Date:

Manuscript delineated by (III):

C. H. Bishop, Scribing
C. C. Harris, Stick-up

Date: 4-11-62
6-12-62

Photogrammetric Office Review by (III):

J. L. Harris, Rough Draft
J. E. Deal, Advance

Date: 11-9-61
9-20-62

Elevations on Manuscript
checked by (II) (III):

Date:

D

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Camera "S" & "W"

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
60-W-2117 thru 2119	9-21-60	13:10	1:30,000	5.3' above M.L.L.W.
60-W-2158	"	13:40	"	5.8' " "
60-S 2510 thru 2512	4-25-60	13:35	"	4.5' " "

Tide (III)

Reference Station: Seattle, Washington
Subordinate Station: Mukilteo, Washington
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.4	11.0

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (II): 11

Shoreline (More than 200 meters to opposite shore) (III): 5

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 8

Recovered: 4

Identified: 1

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): 3

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11639

Project Ph-5905

Refer to the combined Field Inspection Report for Map Manuscript T-11632 thru T-11639 by Leonard F. Van Scoy, dated April - May 1961, which is included in the Descriptive Report for T-11632 (1961).

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11639

Project Ph-5905

Refer to the Photogrammetric Plot Report, Projects Ph-5905 and Ph-6101, Puget Sound, Washington (Strip 12) dated July 1961 by John D. Perrow, Jr., which is included in the Descriptive Report for T-11633.

None

1 FT. = 3048006 METER
COMPUTED BY: J.E.D.
DATE: 5-4-61
CHECKED BY: C.H.B.
DATE: 5-4-61
COM-DC-57843

COMPILATION REPORT
Map Manuscript T-11639
PROJECT Ph-5905

Items 31, 32 and 33:

Refer to Descriptive Report for T-11639 (1961).

34. Contours and Drainage:

Contours are not applicable.

Drainage not field inspected was delineated by the compiler with reference to the U.S.G.S. 7½ minute Mukilteo, Wash., quadrangle.

Items 35 thru 37:

Refer to Descriptive Report for T-11638 (1961).

38. Control for Future Surveys:

Three photo-hydro stations were selected by the field unit and were located by Kelsh Instrument. They are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11634 and T-11635 on the north, and T-11638 on the west. There are no contemporary surveys to the east and south.

40. Horizontal and Vertical Accuracy:

There are no areas of the map manuscript believed to be of sub-normal horizontal accuracy. Vertical accuracy is not applicable.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute Mukilteo, Washington, quadrangle, Scale 1:24,000, Edition 1956.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6450,
Scale 1:80,000, 11th Edition, corrected 7-27-59.

Items to be Applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

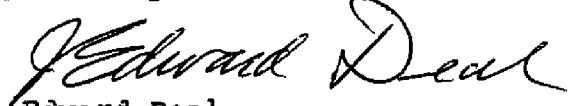
None.

Approved:

Respectfully submitted:



Fred Natella, CAPT, C&GS
Portland District Officer



J. Edward Deal
Cartographer

49. Notes to the Hydrographer:

Three photo-hydro stations were located by Kelsh Instrument.

No.	Description	Photo. No.
3901	N.E. Corner concrete bulkhead	60-W-2158
3902	Lone dolphin	60-W-2158
3903	Center 6 x 9 x 10 white building	60-W-2509

PHOTOGRAMMETRIC OFFICE REVIEW

T-10223 11639

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>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>X</i>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <i>X</i>	13. LOW-WATER LINE <i>None</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 CULTURAL 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>X</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>J. 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 - 11639

COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Alongshore area for hydro	Not Applicable	Map completed before hydro. Started Map not furnished
4. Interior details added Compilation complete	June 12 1962	

48. Geographic Names:

Big Gulch

Mukilteo

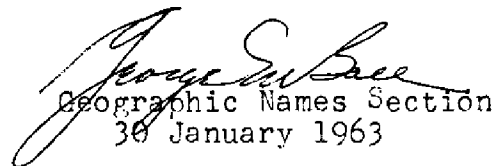
NelsonsCorner

Picnic Point

Possession

Possession Sound

Whidbey Island


Geographic Names Section
30 January 1963

REVIEW REPORT
SHORELINE SURVEYS
T-11631 through T-11639
December 1963

61. General Statement

There are nine (9) shoreline maps of Project PH-5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all nonfloating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1388 b	1:10,000	1872
T-1389 a&b	1:10,000	1872
T-1552	1:20,000	1884
T-1681	1:20,000	1885
T-1682	1:20,000	1885
T-4276	1:10,000	1927

There are cultural and shoreline differences due to time interval. These maps are to supersede the above surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Maxwelton, Washington	1:24,000	1953
Mukileto, Washington	1:24,000	1953
Everett, Washington	1:24,000	1953
Hansville, Washington	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

6448	1:40,000	Revised to Oct. 1959
6450	1:80,000	Revised to June 1963
184 S. C.	1:80,000	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 Henn
Chief, Photogrammetric Branch

J. E. Waugh 4/8/64
Chief, Photogrammetry Division

