

# 11623

PLANE TABLE T-11623<sup>a</sup>

IS FILED IN VAULT

*Aluminum*

Diag. Cht. No. 6450-2.

# 11623

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Shoreline (Photogrammetric)</u>	
Field No. <u>Ph-5905</u>	Office No. <u>T-11623</u>
LOCALITY	
State <u>Washington</u>	
General locality <u>Admiralty Inlet</u>	
Locality <u>Bush Point</u>	
<u>1960</u>	
CHIEF OF PARTY	
<u>Lorne G. Taylor and Fred Natella</u>	
LIBRARY & ARCHIVES	
DATE <u>April 1964</u>	

USCOMM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 11623

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: J. C. Lajoie & W. V. Hull

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor  
& Fred Natella

Instructions dated (II) (III): 10 Feb. 1960 II

Copy filed in Division of

Supplement 1 5 May 1960 II & III

Photogrammetry (IV)

Method of Compilation (III): Kelsh 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): NOV 6 1961

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): MUTINY (USE)1920

Lat.: 48° 00' 39.158"

Long.: 122° 34' 49.945"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

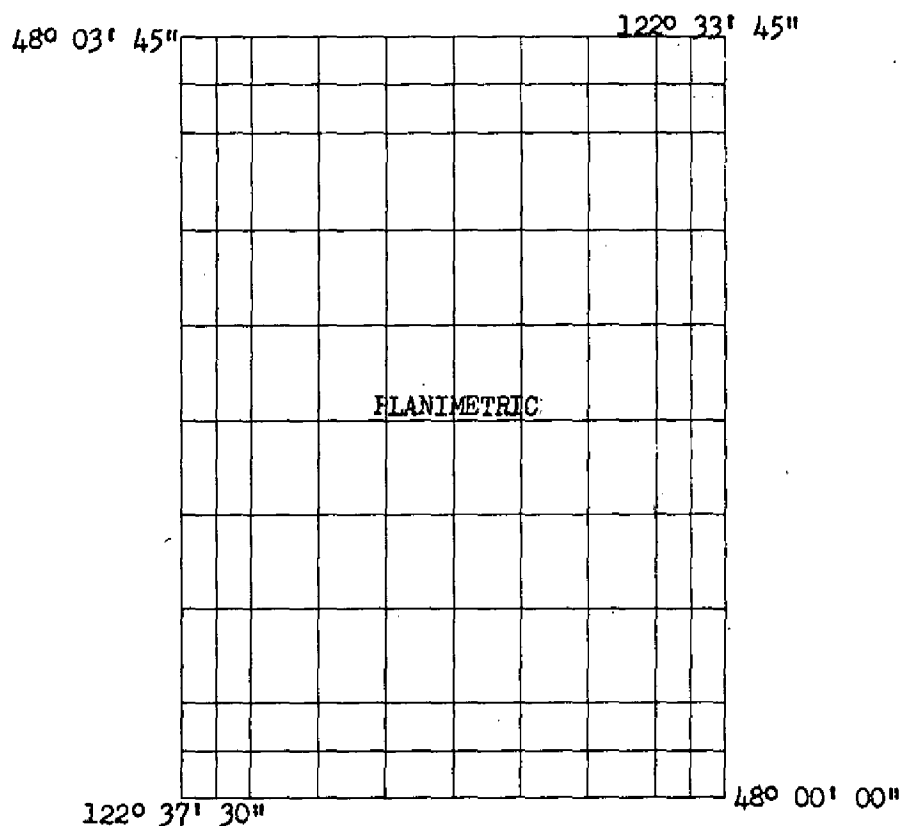
Y= 373,590.85

X= 1,572,362.63

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): W. V. Hull & L. F. Van Scoy

Date: June, July  
& Aug. 1960

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 8-2-60 by field inspection.  
8-10 and 8-11-60 by planetable. Kelsh Instrument compilation where plane-  
table survey was not available.

Projection and Grids ruled by (IV): R. A. C.

Date: 10-7-60

Projection and Grids checked by (IV): J. D. C.

Date: 10-14-60

Control plotted by (III): D. N. Williams

Date: 11-22-60

Control checked by (III): L. L. Graves

Date: 11-22-60

Radial Plot or Stereoscopic  
Control extension by (III): W. A. Kuncis

Date: July 1960

Planimetry D. N. Williams  
Stereoscopic Instrument compilation (III):  
Contours

Date: 12-7-60

Date:

Manuscript delineated by (III):

W. V. Hull, Planetable area  
D. N. Williams, Scribing  
C. C. Harris, Stick-up

Date: 8-10 & 8-11-60  
5-4-61  
8-21-61

Photogrammetric Office Review by (III):

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

Date: 12-13-60  
9-29-61

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

None

Date:

# DESCRIPTIVE REPORT - DATA RECORD

5.

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
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There are no principal points falling on the manuscript.  
Refer to T-11617 and T-11624 Descriptive Reports.

Tide (III)

Reference Station: See Descriptive Report T-11617.  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

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) (III): 6

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): 7

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): None

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11623

Project Ph-5905

Refer to the Field Inspection Report for the entire Project  
Ph-5905 by Wesley V. Hull, February 1960 to September 1960.

*Filed with Desc. Report T-11584*

## PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11623

Project Ph-5905

Refer to the combined Photogrammetric Plot Report (Stereoplanigraph Bridge) for Strips 1, 3, 4, 5, 6, 7, 8, 9, 10 and 11 by Willard A. Kuncis, July 1960.

*Filed with Desc. Report T-11584*

None

1 FT. = 30.48006 METER	DATE	12-2-60	DATE	12-2-60
COMPUTED BY: J.L.H.	COMPUTED BY: J.L.H.	CHECKED BY: D.N.W.	CHECKED BY: D.N.W.	CHECKED BY: D.N.W.

COMM-DC-57843



## COMPILATION REPORT

Map Manuscript T-11623

Project Ph-5905

31. Delineation:

The Kelsh Instrument was used for most of the compilation. Field inspection was adequate. Photography did not cover the entire manuscript and an area in the vicinity of Bush Point was transferred to the map manuscript from a planetable survey made by the field unit. It was necessary to delineate to the extreme western limits of the Kelsh Instrument models.

32. Control:

Horizontal control was adequate.

33. Supplemental Data:

Planimeter survey dated 10 and 11 Aug. 1960 by W. V. Hull, Scale 1:10,000.

Map of Island County, Washington, Scale 1 inch = 1 mile, compiled by Island County Engineer.

34. Contours and Drainage:

Contours are not applicable.

No drainage was field inspected and none is indicated by reference to the U.S.G.S. Freeland, Washington, 7½ minute quadrangle.

35. Shoreline and Alongshore Details:

The mean high-water line was spotted on the field inspection photographs and where photography was not available it was located by planimeter survey.

Foreshore areas are shown which are visible on the photography taken when the tide was 3.0 ft. above M.L.L.W. For the area of the planimeter survey the field unit did not survey the foreshore area, but furnished notes indicating its character. These have been shown on the manuscript.

No approximate low-water or shoal lines were delineated.

36. Offshore Details:

Numerous rocks are shown just offshore from the mean high-water line.

Data on the bearing of these rocks was furnished by the field inspector for the time of field inspection and was transcribed to the vertical datum of the manuscript by the compiler.

37. Landmarks and Aids:

Forms 567 are submitted verifying the location of one aid to navigation.

Forms 567 are submitted verifying the location of a tower shown as a landmark on Nautical Chart 6450.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made on the north with T-11617 and on the east with T-11624. To the west and south is Admiralty Inlet.

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 Freeland, Washington, quadrangle, Scale 1:24,000, Edition 1953.

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:

None.

T-11623

COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Alongshore area for hydro.	Mar. 30, 1961	
4. Interior details added Compilation complete.	October 2, 1961	

## PHOTOGRAMMETRIC OFFICE REVIEW

T-11623

1. Projection and grids X 2. Title X 3. Manuscript numbers X 4. Manuscript size X

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) None 7. Photo hydro stations None 8. Bench marks None 9. Plotting of sextant fixes None 10. Photogrammetric plot report X 11. Detail points X

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line None 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation X 17. Landmarks X 18. Other alongshore physical features X 19. Other along-shore cultural features X

## PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features X

## CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads None 30. Other cultural features X

## BOUNDARIES

31. Boundary lines None 32. Public land lines None

## MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay None 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X40. L.L. Graves

Reviewer

J. Edward Deal

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:

M-2623-12

**STRIKE OUT TWO**

# NON-TECHNICAL GUIDANCE FOR CHARTS

**Portland, Oregon**

1960

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the)~~ the charts indicated.

The positions given have been checked after listing by J. E. Deal

**Fred Natella** *Chief of Party*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

**\* TABULATE SECONDS AND METERS**

U.S. COMM-DC 25412-P61

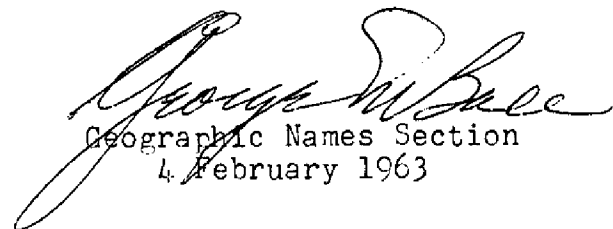
48. Geographic Names:

Admiralty Inlet

Bush Point

Mutiny Bay

Whidbey Island

  
Geographic Names Section  
4 February 1963



Review Report  
Shoreline Surveys  
T-11623 through T-11630  
January 1964

61. General Statement

There are eight (8) shoreline maps of project PH-5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all non-floating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1388a	1:10,000	1872
T-1681	1:20,000	1885
T-1682	1:20,000	1885
T-1994	1:20,000	1888

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Freeland, Washington	1:24,000	1953
Langley, Washington	1:24,000	1956
Tulalip, Washington	1:24,000	1956
Marysville, Washington	1:24,000	1956

There are cultural and shoreline differences, but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8609	1:10,000	1960
H-8699	1:10,000	1961
H-8753	1:10,000	1963

Shoreline and control of subject surveys was furnished prior to hydrography and no changes of importance have been made. There is good agreement.

65. Comparison with Nautical Charts

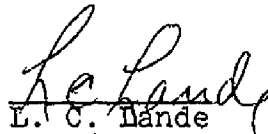
6448	1:40,000	1935 revised to 1962
6450	1:80,000	1961 revised to 1963
<del>1845-C.</del>	1:80,000	1963
184 S.C.		

There are only minor differences between the charts and the subject manuscripts

66. Accuracy of Results and Future Surveys

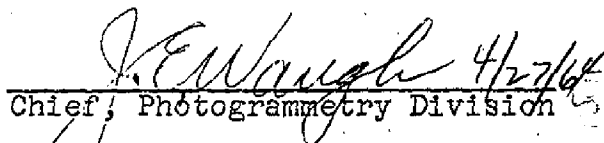
These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

  
L. C. Dande

Approved by:

  
Chief, Photogrammetric Branch

  
Chief, Photogrammetry Division

