

# 11625

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-5905
Office No.	T-11625
LOCALITY	
State	Washington
	Whidbey Island
General locality	Saratoga Passage
Locality	Bay View
1960 <sup>v</sup>	
CHIEF OF PARTY	
Lorne G. Taylor and Fred Natella	
LIBRARY & ARCHIVES	
DATE	April 1964

USCOMM-DC 5087

# 11625

DESCRIPTIVE REPORT - DATA RECORD

T- 11625

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 Stereoscopic Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Scale Factor (III):

None

NOV 6 1961

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):

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): GOSS, 1954

Lat.: 48° 01' 28.514"

Long.: 122° 29' 08.241

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

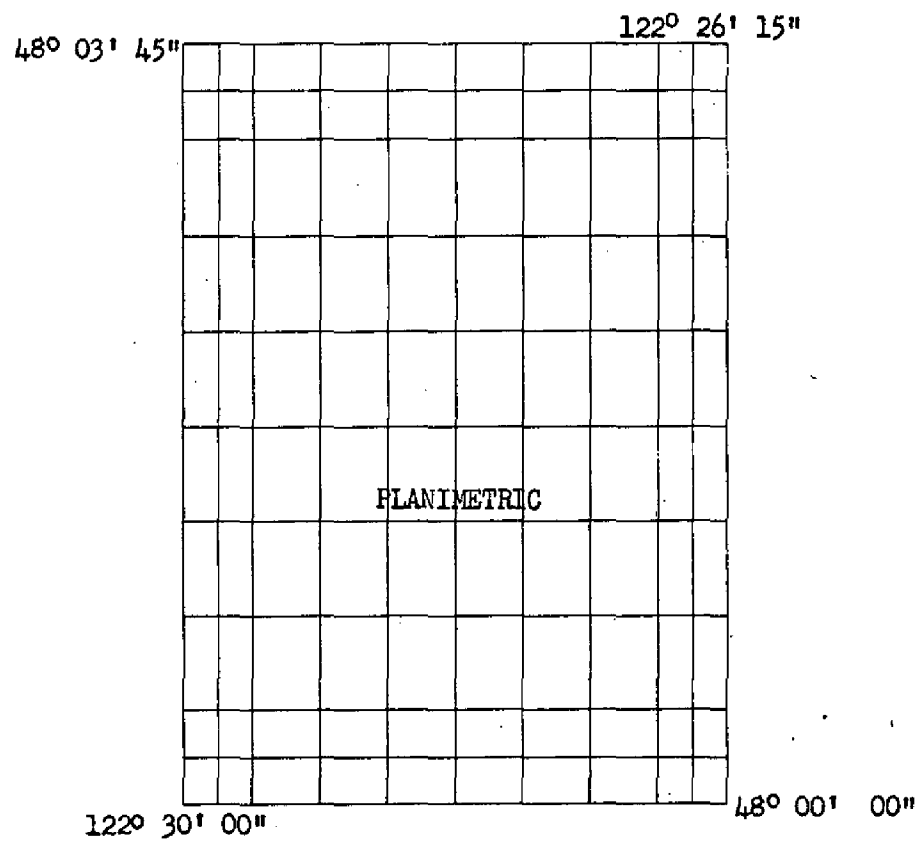
Y= 378,077.66

X= 1,595,697.92

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-17-60 by field inspection and Kelsh compilation.

Projection and Grids ruled by (IV): R. Creel Date: June 1960

Projection and Grids checked by (IV): P. Dempsey Date: June 1960

Control plotted by (III): J. L. Harris Date: 9-2-60

Control checked by (III): J. E. Deal Date: 9-2-60

Radial Plot or Stereoscopic  
Control extension by (III): C. A. Kuncis Date: July 1960

Planimetry D. N. Williams Date: 11-1-60

Stereoscopic Instrument compilation (III):  
Contours Date:

Manuscript delineated by (III): L. L. Graves, Scribing Date: 12-2-60  
C. C. Harris, Stick-up 5-22-61

Photogrammetric Office Review by (III): C. C. Harris, Rough Draft Date: 11-3-60  
J. E. Deal, Advance 10-2-61

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
60-S-2781 thru 2783	4-27-60	09:16	1:30,000	2.1' above M.L.L.W.
60-S-2790 and 2791	"	09:28	"	1.8' " "

Tide (III)

Reference Station: Seattle, Washington  
Subordinate Station: Everett, Washington  
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.4	11.1

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): 12  
Shoreline (More than 200 meters to opposite shore) (III): 3  
Shoreline (Less than 200 meters to opposite shore) (III): None  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 1  
Number of BMs searched for (II): Recovered: Identified:  
Number of Recoverable Photo Stations established (III): None  
Number of Temporary Photo Hydro Stations established (III): 2

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11625

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-11625

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*

SCALE FACTOR None

FT = 3048006 METER			COMM-DC-57843
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CHECKED BY: J. L. H.

DATE 9-23-60



## COMPILATION REPORT

Map Manuscript T-11625

Project Ph-5905

31. Delineation:

The Kelsh Instrument was used for the compilation of planimetric details. Field inspection was adequate.

32. Control:

Horizontal control was adequate.

33. Supplemental Data:

Map of Island County, Washington, Scale 1 inch = 1 mile, compiled by Island County Engineer, March 1958.

34. Contours and Drainage:

Contours are not applicable.

One small piece of intermittent drainage was field inspected. By reference to the U.S.G.S. Langley, Washington, 7½ minute quadrangle, other drainage was delineated by the compiler.

35. Shoreline and Alongshore Details:

The mean high-water line was spot located by field inspection and delineated by the compiler.

The limit of foreshore area shown was compiled from photography taken when the tide was 1.8 ft. above M.L.L.W. and may be considered to be near approximate low-water. A shallow area adjacent to the foreshore was also compiled from this photography. Refer to remarks under this heading in the Descriptive Report for T-11626.

36. Offshore Details:

None.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Two objects were located for use as photo-hydro stations. They are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11619 on the north, T-11624 on the west, T-11626 on the east and T-11632 on the south.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable.

There are no areas of the map manuscript believed to be of sub-normal horizontal accuracy:

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute Langley, Wash., quadrangle, Scale 1:24,000, Edition of 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.

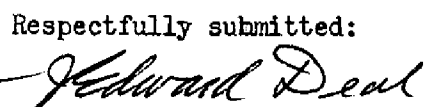
Items to be Carried Forward:

None.

Approved:

  
Fred Natella, CAPT, C&GS  
Portland District Officer

Respectfully submitted:

  
J. Edward Deal  
Cartographer

49. Notes to the Hydrographer:

Two photo-hydro stations were located by Kelsh Instrument.

Number	Description	Field Photo No.
2501	East Gable on 2-story Net Shed	60-S-2791
2502	Seaward end of 3' diameter log on beach.	60-S-2790

T-11625

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

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 11625

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 X 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 X 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation None 17. Landmarks None 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 X 40. C.C.Harris J. Edward Deal

Reviewer

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

48. Geographic Names:

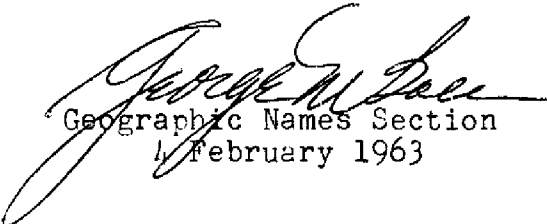
Bay View

Lake Goss

Lone Lake

Saratoga Passage

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
1845.c.	1:80,000	1963

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

66. Accuracy of Results and Future Surveys

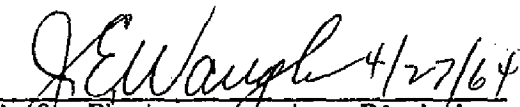
These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

  
L. C. Lande

Approved by:

  
Chief, Photogrammetric Branch

  
Chief, Photogrammetry Division



