

11624

Dupl

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-11624

LOCALITY

State Washington

General locality Puget Sound

Locality Holmes Harbor

1960

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

11624

DESCRIPTIVE REPORT - DATA RECORD

T - 11624

Project No. (II): **Ph-5905** Quadrangle Name (IV):

Field Office (II): **Mt. Vernon, Washington**

Chief of Party: **Lorne G. Taylor**

Sub.Unit: **John C. Lajoie & Wesley V. Hill**

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**

Kelsh 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):

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): **POINT, 1943**

Lat.: **48° 03' 00.625"**

Long.: **122° 32' 16.815"**

Adjusted **X**
Unadjusted

Plane Coordinates (IV):

State: **Washington**

Zone: **North**

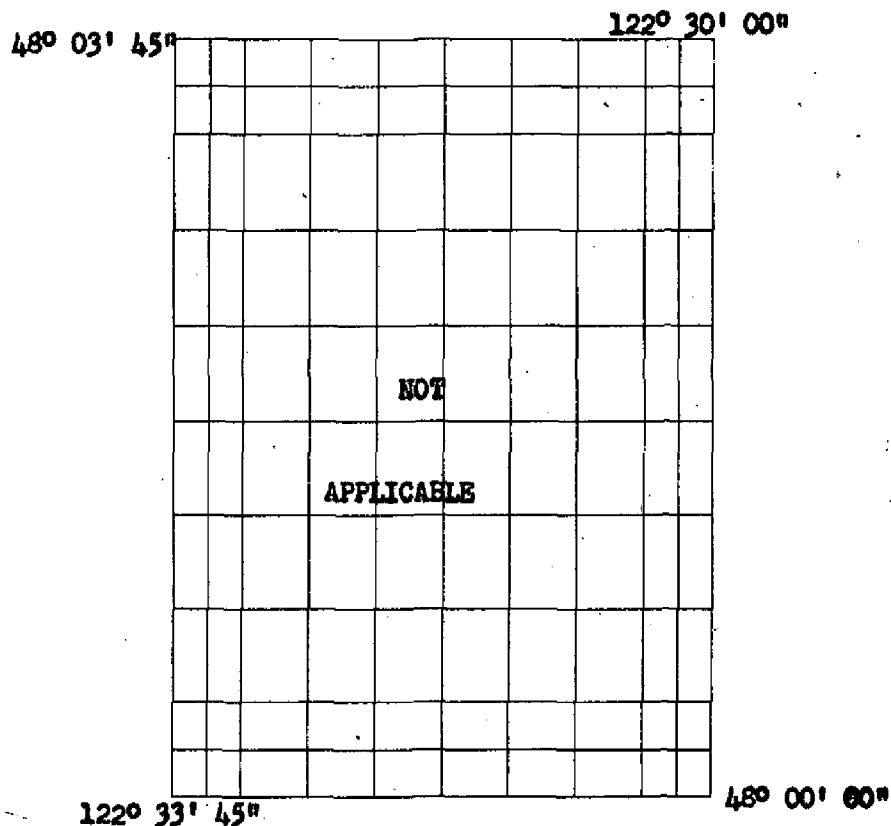
Y= **387,688.28**

X= **1,583,089.33**

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 & W. V. Hull, Shoreline**
W. V. Hull, Interior

Date: **6-9, 6-16, 7-2**
& 7-7-60
July & Aug. 1960

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **6-9, 6-16, 7-2 & 7-7-60 by field inspection and Kelsh Instrument compilation.**

Projection and Grids ruled by (IV): **J. K.**

Date: **6-7-60**

Projection and Grids checked by (IV): **W. S.**

Date: **6-22-60**

Control plotted by (III): **J. L. Harris**

Date: **9-2-60**

Control checked by (III): **J. E. Deal**

Date: **9-6-60**

Radial Plot or Stereoscopic
Control extension by (III):

C. A. Kuncis

Date: **July 1960**

Planimetry **D. N. Williams**

Date: **10-26-60**

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): **J. L. Harris, Scribing**
C. C. Harris, Stick-up

Date: **11-17-60**
1-5-61

Photogrammetric Office Review by (III): **L. L. Graves, Rough Draft**
J. E. Deal, Advance

Date: **11-1-60**
2-15-61

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): **U.S.C. & G.S. Single lens "S"**

Number	Date	Time	Scale	Stage of Tide
60-3-2470 thru 2472	4-25-60	12:50	1:30,000	2.5 ft. above M.L.L.W.
60-3-2490 thru 2493	"	13:10	"	3.7 ft. above M.L.L.W.
60-3-2780 thru 2783	4-27-60	09:15	"	3.2 ft. above M.L.L.W.

Tide (III)

Reference Station: **Seattle, Washington**
Subordinate Station: **Coupeville, Penn Cove, Washington**
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.8	11.5

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): **9.6**
Shoreline (More than 200 meters to opposite shore) (III): **7.5**
Shoreline (Less than 200 meters to opposite shore) (III): **None**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **9**
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): **0**
Number of Temporary Photo Hydro Stations established (III): **7**

Recovered: **6**
Recovered:

Identified: **None**
Identified:

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11624

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-11624

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

Notes

[illegible]

DATE 9-2-60

COMM-DC-5784

COMPILATION REPORT

Map Manuscript T-11624

Project Ph-5905

Items 31 and 32:

Refer to Descriptive Report for T-11597 (1960).

33. Supplementat 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. Reference was made to the
U.S.G.S. 7½ minute Freeland, Washington quadrangle to find drain-
age that was not field inspected. Several intermittent streams
were office identified and compiled.

Items 35 and 36:

Refer to Descriptive Report for T-11597 (1960).

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Seven photo-hydro stations were located by Kelsh Instrument.
They are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11618 on the north,
T-11623 on the west, T-11625 on the east and T-11631 on the south.

40. Horizontal and Vertical Accuracy:

Refer to Descriptive Report for T-11597 (1960).

46. Comparison with Existing Maps:

Comparison was made with the 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
C&GS

49. Notes to the Hydrographer:

Seven photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo No.</u>
2401	Northwest corner of pier	60-S-2472
2402	Pile at northeast corner of float	60-S-2471
2403	West gable small weathered building on piles	60-S-2471
2404	Northwest corner of house on beach	60-S-2471
2405	North gable of white building on piling	60-S-2471
2406	Dolphin at northwest corner of float. North one of two	60-S-2471
2407	Southerly end small sand spot near S.E. point of V formed by drift logs	60-S-2472

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11624

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 N 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 None 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. L.L. Graves

Reviewer

J. Edward Doal

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:

48. Geographic Names:

Beverly Beach

Freeland

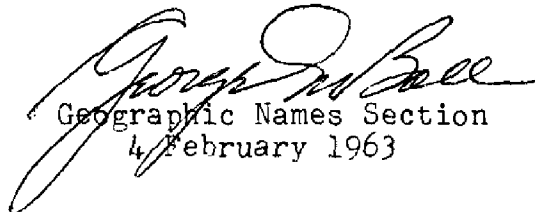
Harbor Center

Holmes Harbor

Honeymoon Bay

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
1845-C	1:80,000	1963
184 SC		

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
L. C. Lande

Approved by:

Charles Lerner
Chief, Photogrammetric Branch

J. E. Waugh 4-27/64
Chief, Photogrammetry Division

