

11619

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-11619

LOCALITY

State Washington
Saratoga Passage
General locality Puget Sound
Locality East Point

1960

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5067

11619

DESCRIPTIVE REPORT - DATA RECORD

T - 11619

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. 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

Kelsh Pantograph Scale: 1:10,000

Scale Factor (III):

Date received in Washington Office (IV):

MA 5 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):

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): LOWELL 2, 1924

Lat.: 48° 07' 16.880"

Long.: 122° 29' 22.296"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 413,389.17

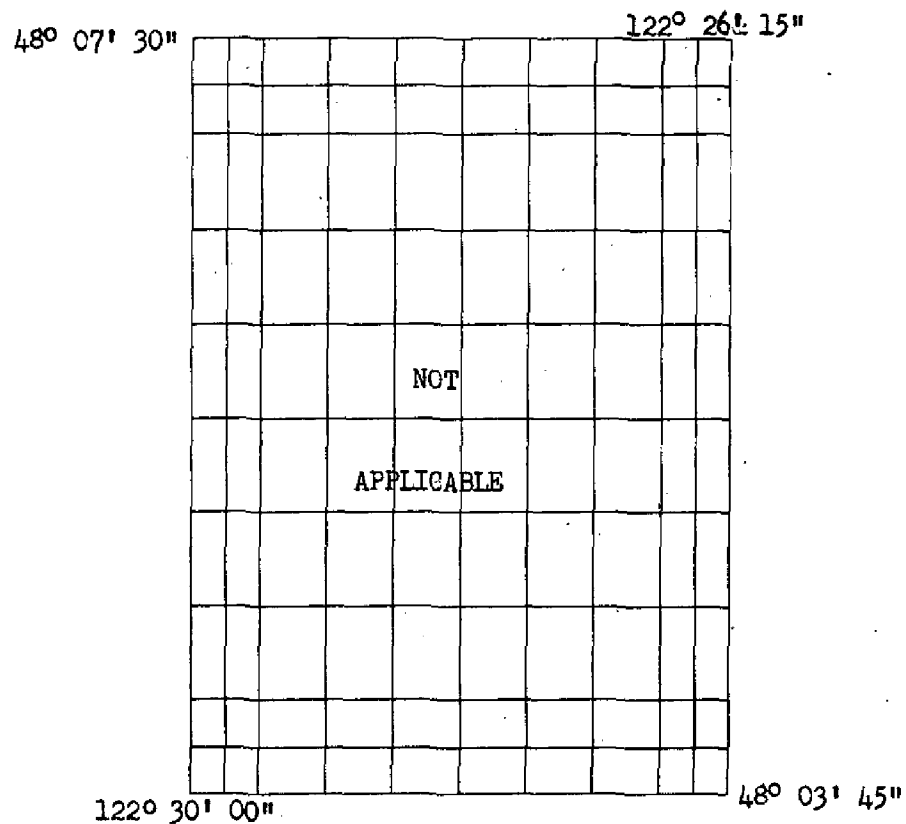
X= 1,595,502.37

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): L. F. Van Scoy & W. V. Hull, Shoreline Date: 6-14, 6-16 &
J. D. Ulven, Interior 6-17-60
Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-14, 6-16, & 6-17-60 by field
inspection and Kelsh Instrument compilation

Projection and Grids ruled by (IV): J. Keefer Date: 6-9-60

Projection and Grids checked by (IV): W. S. Date: 8-22-60

Control plotted by (III): C. C. 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. Kuncis Date: July 1960

Planimetry D. N. Williams Date: 10-24-60

Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 11-10-60
C. C. Harris, Stick-up 12-29-60

Photogrammetric Office Review by (III): C. C. Harris, Rough Draft Date: 11-1-60
J. E. Deal, Advance 2-10-61

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	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
60-S-2778 thru 2780	4-27-60	09:15	1:30,000	3.4 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): 5.6

Shoreline (More than 200 meters to opposite shore) (III): 6

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 6

Recovered: 3

Identified: 2

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): 7

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11619

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-11619

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

MAP T-11619

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR

None

[illegible]

1 FT. = 3048006 METER

J. L. H.
J. L. H.

COMPUTED BY:

DATE:

8-25-60
9-22-60

C. H. B.

DATE _____

9-1-60

COMM-DC-57843

COMPILATION REPORT

Map Manuscript T-11619

Project Ph-5905

Items 31 and 32:

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

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. Drainage was not indicated ~~by~~ by field inspection. Drainage appearing on the U.S.G.S. 7½ minute Langley, Washington quadrangle was office identified and compiled.

Items 35 and 36:

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

37. Landmarks and Aids:

There are no landmarks. One aid to navigation which was located by triangulation in 1944 was identified. Form 567 is submitted.

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-11615 on the north, T-11618 on the west, T-11620 on the east and T-11625 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 U.S.G.S. 7½ minute Langley, 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:

Fred Natella
By JED

Fred Natella
CAPT, C&GS
Portland District Officer

Respectfully submitted:

J. Edward Deal

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>
1901	South end of log on beach	60-S-2778
1902	Two 36" piles at end of pier bolted together at top to form inverted V	60-S-2482
1903	Lone fir tree (30 ft.) on slope covered with scotch broom	60-S-2483
1904	10' x 12' boulder bares 3 ft. at M.H.W.	60-S-2789
1905	East gable small weathered boathouse	60-S-2789
1906	Southeast corner aluminum boathouse	60-S-2790
1907	Corner 5 ft. high pile bulkhead	60-S-2790

PHOTOGRAMMETRIC OFFICE REVIEW

T-11619

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 X 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
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:

48. Geographic Names:

Bells Beach

Camano Island

Camano Island State Park

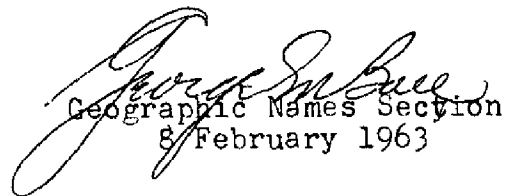
East Point

Lowell Point

Saratoga

Saratoga Passage

Whidbey Island


Geographic Names Section
8 February 1963

Review Report
Shoreline Surveys
T-11617 through T-11622
January 1964

61. General Statement

There are six (6) 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-1164	1:10,000	1870
T-1388a	1:10,000	1872
T-1682	1:20,000	1885
T-1775	1:20,000	1886
T-1994	1:20,000	1888

These surveys agree with subject manuscripts as well as could be expected under consideration of the time interval. These map manuscripts are to supersede the above listed surveys of common areas for nautical charting.

63. Comparison with Maps of Other Agencies

Freeland	1:24,000	1953
Langely	1:24,000	1953
Tulalip	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.

Shoreline and control of the subject surveys was furnished prior to the hydrography and as 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 no differences of importance between the charts and the 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 Schenck

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Matte
Chief, Photogrammetry Division
Acting

