

11604

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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-11604

LOCALITY

State Washington

Saratoga Passage

General locality Puget Sound

Locality Harrington Lagoon

19 60 ✓

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11604

DESCRIPTIVE REPORT - DATA RECORD

T - 11604

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.

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor

Hull

& 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): 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): No triangulation stations were recovered.
Refer to Descriptive Report for T-11603.

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

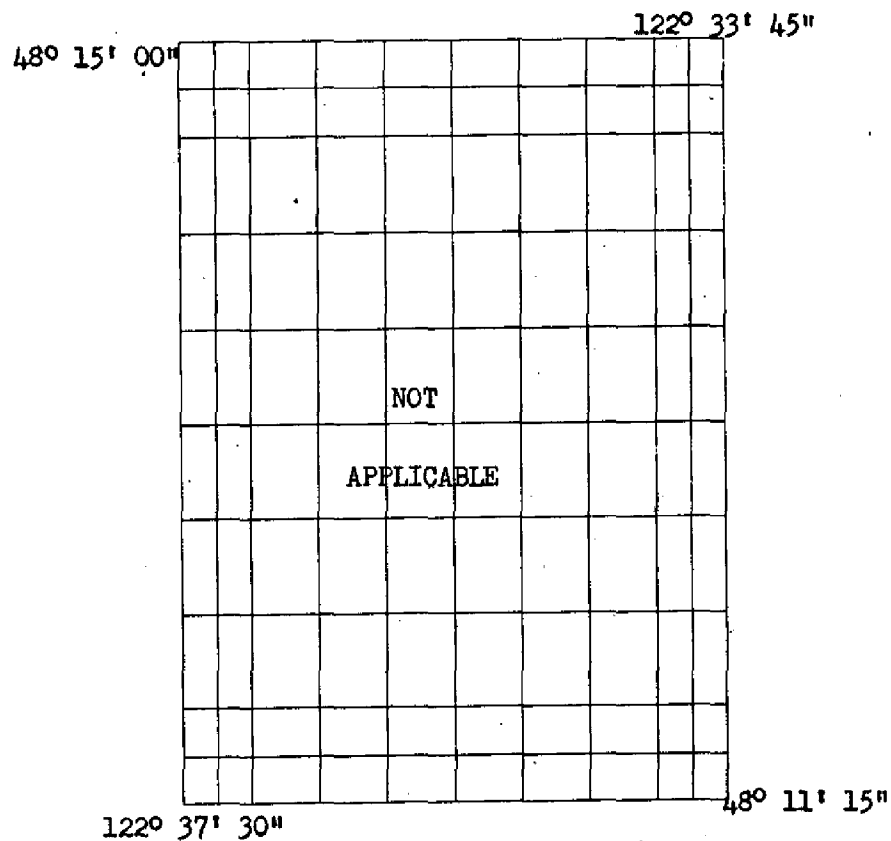
Y=

X=

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 - Shoreline
W. V. Hull - Interior Date: 6-7 & 6-8-60
June 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-7 & 8-60 by field inspection
and Kelsh Instrument Compilation.

Projection and Grids ruled by (IV): Dempsey Date: 5-21-60

Projection and Grids checked by (IV): P.J.D. Date: 5-21-60

Control plotted by (III): None Date:

Control checked by (III): None Date:

Radial Plot or Stereoscopic
Control extension by (III): W. A. Kuncis Date: 6-9-60

Planimetry D. N. Williams Date: 9-19-60

Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing
C. C. Harris, Stick-up Date: 11-1-60
1-23-61

Photogrammetric Office Review by (III): L. L. Graves, Rough draft
J. E. Deal, Advance Date: 10-14-60
2-6-61

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
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Refer to T-11603

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): 3.6
Shoreline (More than 200 meters to opposite shore) (III): 3
Shoreline (Less than 200 meters to opposite shore) (III): 0.5
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): 6

Recovered: 0
Recovered:

Identified: 0
Identified:

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11604

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-11604

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

COMPILATION REPORT

Map Manuscript T-11604

Project Ph-5905

Items 31 thru 32:

Refer to Compilation 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. No drainage was indicated by field inspection. One piece of permanent drainage indicated on the 7½ minute Camano, Washington quadrangle was office identified and compiled.

Items 35 and 36:

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

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

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

39. Junctions:

Satisfactory junctions were made with T-11596 on the north, T-11603 on the west, T-11605 on the east junctions at a water area, and T-11613 on the south.

40. Horizontal and Vertical Accuracy:

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

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute Camano; 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:

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:

Six photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo. No.</u>
0401	Log at south side concrete ramp	60-S-2742
0402	Offshore end boathouse	60-S-2742
0403	Northerly of two boulders at M.H.W. line	60-S-2743
0404	Northwest corner of boathouse	60-S-2743
0405	Flagpole, front red house white trim	60-S-2743
0406	Offshore gable, red house white trim	60-S-2743

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11604

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 None 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 X 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 None 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 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:

T-11604

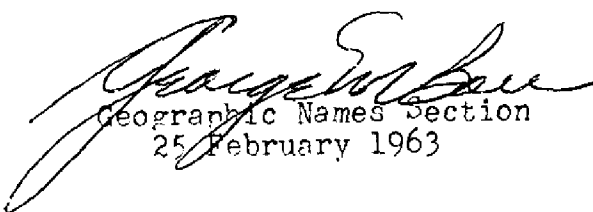
48. Geographic Names:

Harrington Lagoon

Race Lagoon

Saratoga Passage

Whidbey Island


Geographic Names Section
25 February 1963

Review Report
Shoreline Surveys
T-11601 through T-11610
March 1964

61. General Statement

These are ten (10) 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-1254	1:10,000	1871
T-1755	1:20,000	1886
T-1994	1:20,000	1888
T-2011	1:20,000	1888
T-1253	1:10,000	1871
T-6767	1:10,000	1940
T-6768	1:10,000	1940

There are cultural and shoreline changes due to the difference in time interval. The shoreline has erroded approximately 30 to 40 meters in some areas. T-11601 through T-11610 are to supersede the above listed surveys of common areas for nautical charting.

63. Comparison with Maps of Other Agencies

Port Townsend North	1:24,000	1953
Coupeville	1:24,000	1953
Camano	1:24,000	1953
Juniper Beach	1:24,000	1956
Stanwood	1:24,000	1956
Arlington West	1:24,000	1956

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

64. Comparison with Contemporary Hydrographic Surveys

H-8542	1:10,000	1960
H-8543	1:10,000	1960
H-8544	1:10,000	1960

Shoreline and control of the subject surveys was furnished prior to the hydrographic surveys and apparently no difference exist.

65. Comparison with Nautical Charts

6450	1:80,000	1961 revised to 1963
184 50	1:80,000	1963
S.C.		

There are only minor differences between the charts and the manuscript.

66. Accuracy of Results and Future Surveys

These surveys were constructed according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lamm
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Nath
Chief, Photogrammetry Division
Acting

