

11602

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Diag. Cht. No. 6450-2.

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p>DESCRIPTIVE REPORT</p>
<p>Type of Survey <u>Shoreline (Photogrammetric)</u></p> <p>Field No. <u>Ph-5905</u> Office No. <u>T-11602</u></p>
<p>LOCALITY</p> <p>State <u>Washington</u></p> <p>General locality <u>Puget Sound</u></p> <p>Locality <u>Penn Cove</u></p>
<p><u>1960</u></p> <p>CHIEF OF PARTY</p> <p><u>Lorne G. Taylor and Fred Natella</u></p>
<p>LIBRARY & ARCHIVES</p> <p>DATE <u>September 1964</u></p>

USCOMM-DC 5087

11602

DESCRIPTIVE REPORT - DATA RECORD

T - 11602

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. Hui

Photogrammetric Office (III): Portland, Oregon

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

Instructions dated (II) (III): 10 Feb. 1960 II
Supplement 1 5 May 1960 II & III

Copy filed in Division of
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):

MAR 30 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): PENN, 1944

Lat.: 48° 12' 57.916"

Long.: 122° 42' 16.161"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington

Zone: North

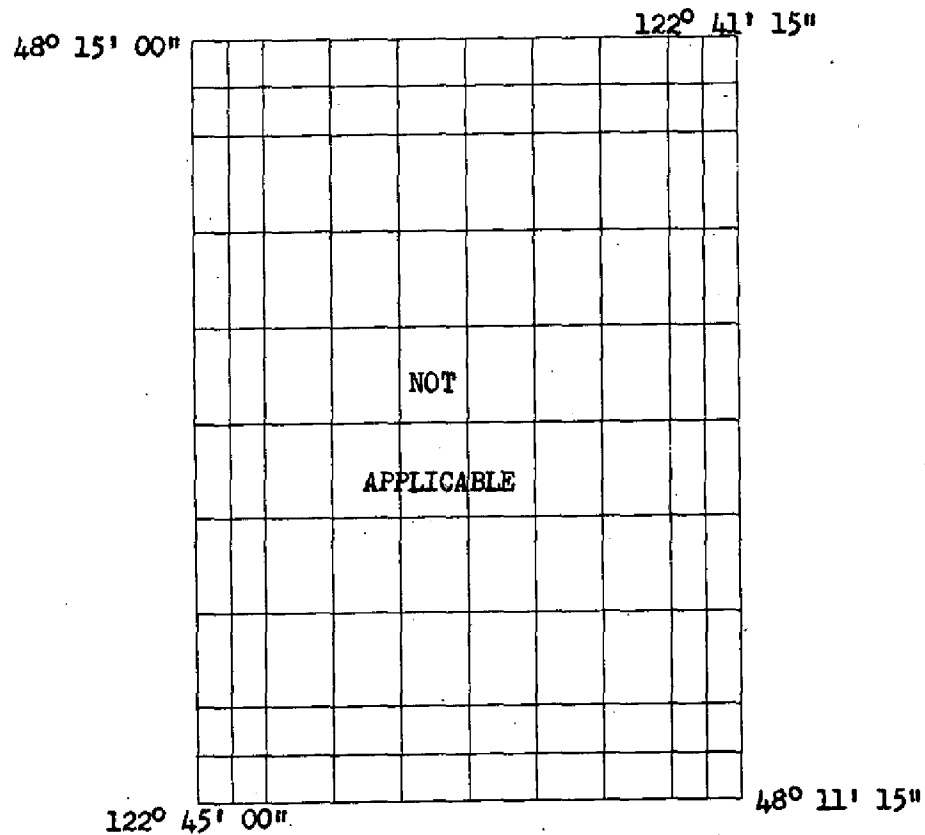
Y= 449,139.15

X= 1,543,851.26

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): Wesley V. Hull - Shoreline
L. F. Van Scoy - Shoreline
Wesley V. Hull - Interior

Date: June & Aug. 1960
30 June 1960
June 1960

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): June and August 1960 by field inspection and Kelsh Instrument Compilation.

Projection and Grids ruled by (IV): J. Keefer

Date: 5-18-60

Projection and Grids checked by (IV): Dempsey

Date: 5-21-60

Control plotted by (III): J. E. Deal &
D. N. Williams

Date: 6-22-60
6-17-60

Control checked by (III): J. E. Deal
D. N. Williams

Date: 6-17-60
6-22-60

Radial Plot or Stereoscopic
Control extension by (III):

W. A. Kuncis

Date: 6-9-60

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

Date: 8-18-60

Date:

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

Date: 9-22-60
1-23-61

Photogrammetric Office Review by (III): J. E. Deal, rough draft
J. E. Deal, advance

Date: 8-25-60
2-2-61

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

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"

PHOTOGRAPHS (III)					Stage of Tide
Number	Date	Time	Scale		
60-S-2631	4-26-60	10:11	1:30,000		Penn Cove
60-S-2724					0.4 above M.L.L.W.
thru 2726	4-26-60	11:26	"		-0.2 below M.L.L.W.
60-S-2729	4-26-60	11:33	"		-0.1 below M.L.L.W.
					Admiralty Inlet
					0.3 above M.L.L.W.

Tide (III)

Reference Station: Port Townsend for Admiralty Head
Subordinate Station: Seattle for Penn Cove
Subordinate Station: Coupeville, Penn Cove
Subordinate Station: Admiralty Head

Ratio of Ranges	Mean Range	Diurnal Spring Range
	7.8	11.5
	5.2	8.3

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): 8

Shoreline (More than 200 meters to opposite shore) (III): 9

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 10

Recovered: 7

Identified: 2

Number of BMs searched for (II): 3*

Recovered: 2

Identified: 1

Number of Recoverable Photo Stations established (III): 2 and 1 recovered

Number of Temporary Photo Hydro Stations established (III): 6

Remarks:

* Tidal Bench Marks

FIELD INSPECTION REPORT

Map Manuscript T-11602

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-11602

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-11602

Project Ph-5905

Items 31 and 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. A small piece of intermittent drainage shown on U.S.G.S 7 $\frac{1}{2}$ Coupeville quadrangle was office identified and shown on the manuscript.

Items 35 and 36:

Refer to Compilation Report for T-11597.

37. Landmarks and Aids:

Two landmarks were located by photogrammetric methods. Form 567 is submitted. There are no aids to navigation within the manuscript limits.

38. Control for Future Surveys:

The two landmarks and 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-11597 on the north, T-11601 on the west, T-11603 on the east and T-11611 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 Coupeville, Washington quadrangle, Scale 1:24,000, Edition of 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:

Forms 567 were submitted listing the scaled positions of two landmarks:

TOWER, 1960 (wood) abandoned Front Range
TOWER, 1960 (wood) abandoned Rear Range

Six photo-hydro signals were located:

<u>Number</u>	<u>Description</u>	<u>Field Photo. No.</u>
0201	East end of pile bulkhead. Easterly bulkhead of two	60-S-2724
0202	Chimney south end of house at beach level	60-S-2725
0203	South end of Concrete bulkhead	60-S-2725
0204	South gable of sawmill	60-S-2725
0205	Southeast corner pier	60-S-2724
0206	Cupola atop barn	60-S-2724

In addition TREE, 1940 was recovered and recovery note on Form 524 is submitted.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11602

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) X 7. Photo hydro stations X 8. Bench marks X 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 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 None

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. J. Edward Deal 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:

48. Geographic Names:

Admiralty Inlet

Coveland

Ebeys Landing

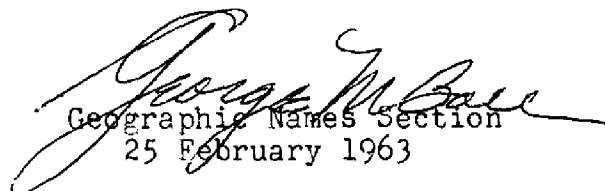
Ebeys Prairie

Kennedys Lagoon

Penn Cove

San de Fuca

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 eroded 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
1845-e.	1:80,000	1963
5c.		

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 Schurr
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Mathe
Chief, Photogrammetry Division
Acting

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11602

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

[illegible]