

11608

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-11608

LOCALITY

State Washington

Puget Sound

General locality Stillaguamish River

Locality Stanwood

1959 - 1960

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11608

5211

DESCRIPTIVE REPORT - DATA RECORD

T - 11608

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: 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): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

NOV 6 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): 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): None can be occupied.

Refer to Descriptive Report for T-11607.

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

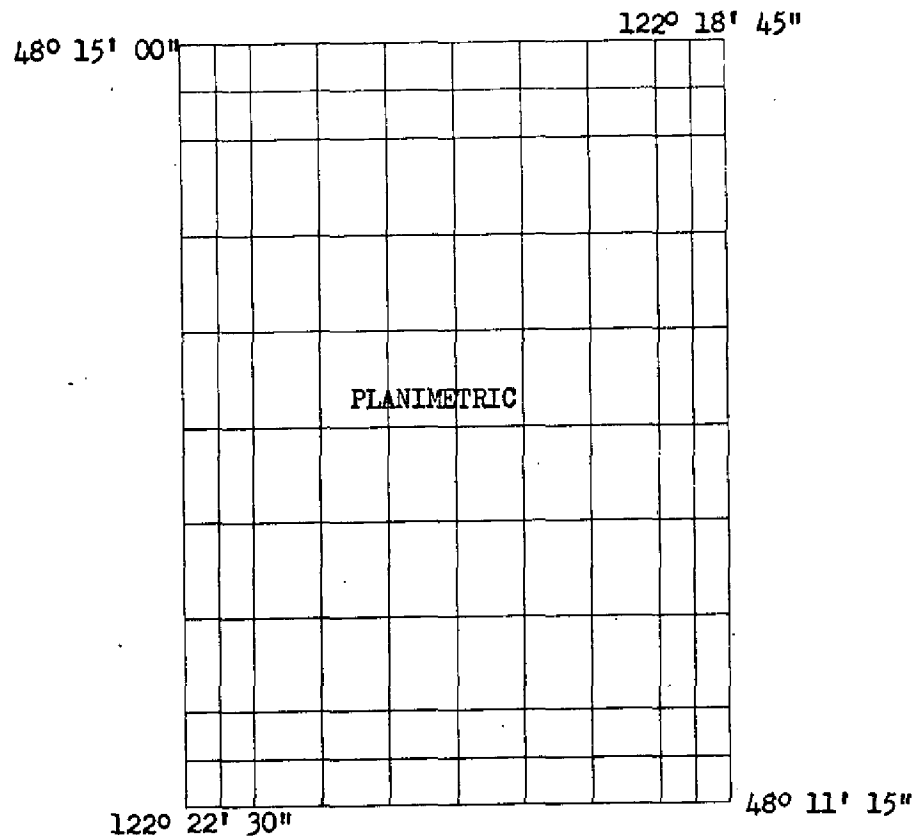
Y=

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 & R. B. Melby Date: July & Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 7-13 and 8-29-60 by field inspection and graphic compilation.

Projection and Grids ruled by (IV): J. Keefer Date: 7-7-60

Projection and Grids checked by (IV): W.S. Date: 8-17-60

Control plotted by (III): C. C. Harris Date: 10-6-60

Control checked by (III): L. L. Graves Date: 10-10-60

Radial Plot or Stereoscopic
Control extension by (III): J. L. Harris Date: 1-11-61

Stereoscopic Instrument compilation (III):
Planimetry Date:
Contours Date:

Manuscript delineated by (III):
D. N. Williams, rough draft Date: 3-2-61
D. N. Williams, Scribing 5-1-61
C. C. Harris, Stick-up 7-7-61

Photogrammetric Office Review by (III):
C. C. Harris, Rough Draft Date: 3-23-61
J. E. Deal, Advance 9-19-61

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 9-lens - 8.25 inches focal length.

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
60016 thru 60018	9-9-59	09:00	1:10,000	4.9' above M.L.L.W.
60089 thru 60091	"	09:50	"	5.8' above M.L.L.W.

Tide (III)

Reference Station: Seattle, Washington
Subordinate Station: Stanwood, Stillaguamish River
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring
		Range
	7.6	11.3
	5.7	7.4

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): 11
Shoreline (More than 200 meters to opposite shore) (III): 11
Shoreline (Less than 200 meters to opposite shore) (III): 2
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 3 Recovered: 2 Identified: 1
Number of BMs searched for (II): 1 Recovered:
Number of Recoverable Photo Stations established (III): None Identified:
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11608

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-11608

Project Ph-5905

Refer to Photogrammetric Plot Report for T-11598 thru T-11600,
T-11606 thru T-11610 and T-11616 which is included in the Descrip-
tive Report for T-11598 (1960).

MAP T-11608

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

[illegible]

COMPILATION REPORT

Map Manuscript T-11608

Project Ph-5905

31. Delineation:

Graphic methods were used to compile the planimetry. Field inspection was adequate. The city limits of Stanwood and East Stanwood were transferred to the manuscript from the U.S.G.S. Stanwood, Wash. 7½ minute quadrangle.

32. Control:

Refer to Descriptive Report for T-11607 (1960).

33. Supplemental Data:

None.

34. Contours and Drainage:

Contours are not applicable.

Drainage not field inspected was delineated by the compiler with reference to the U.S.G.S. 7½ minute Stanwood, Washington quadrangle.

35. Shoreline and Alongshore Areas:

Field inspection of these features was adequate. Because the photography was made just below mean high-water the limits of the grass in water areas in Port Susan are only approximate. For the same reason no low-water or shoal lines were compiled and only the foreshore areas visible on the photographs are shown in Stillaguamish River and Hat Slough.

The large tidal flats in this area are an important characteristic and low-water photography would have been most desirable for adequate delineation.

36. Offshore details:

Numerous piling and dolphins have been compiled just offshore from the mean high-water line.

37. Landmarks and Aids:

There are no aids to navigation.

Forms 567 are submitted for the charting of one landmark and deletion of one landmark.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made on the north with T-11600, on the west with T-11607, on the east with T-11609 and on the south with T-11616.

40. Horizontal and Vertical Accuracy:

Refer to Descriptive Report for T-11607.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute Stanwood, Wash. quadrangle, Scale 1:24,000, Edition of 1956.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart 6450, Scale 1:80,000, Eleventh Edition, revised 9-5-60, hand corrected thru 4-15-61.

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:

None.

T-11608

COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Alongshore area for hydro.	Mar. 30, 1961	
4. Interior details added Compilation complete	Sept. 19, 1961	

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11608

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 None 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 None 14. Rocks, shoals, etc. X 15. Bridges X 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 X

CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads None 30. Other cultural features X

BOUNDARIES

31. Boundary lines X 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. O. 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:

Church Creek

Douglas Slough

East Stanwood

Florence

Hat Slough

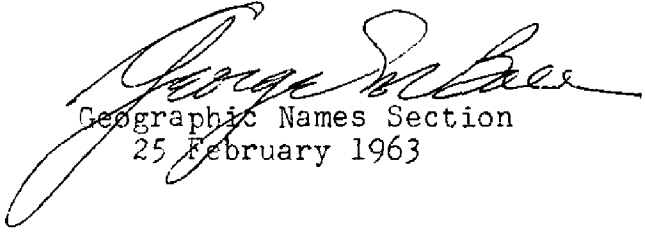
Irvine Slough

Jorgenson Slough

Port Susan

Stanwood

Stillaguamish River


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
184 566	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 Jensen
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Watts
Chief, Photogrammetry Division
Acting

