

11617

Original

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-11617

LOCALITY

State Washington

General locality Whidbey Island
Admiralty Inlet

Locality Lagoon Point

1960

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11617

DESCRIPTIVE REPORT - DATA RECORD

T - 11617

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: J. C. Lajoie & 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): Kelsh Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Pantograph Scale

1:10,000

Scale Factor (III): None

Date received in Washington Office (IV): NOV 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): GREEN, 1942

Lat.: 48° 05' 58.319"

Long.: 122° 36' 02.488"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

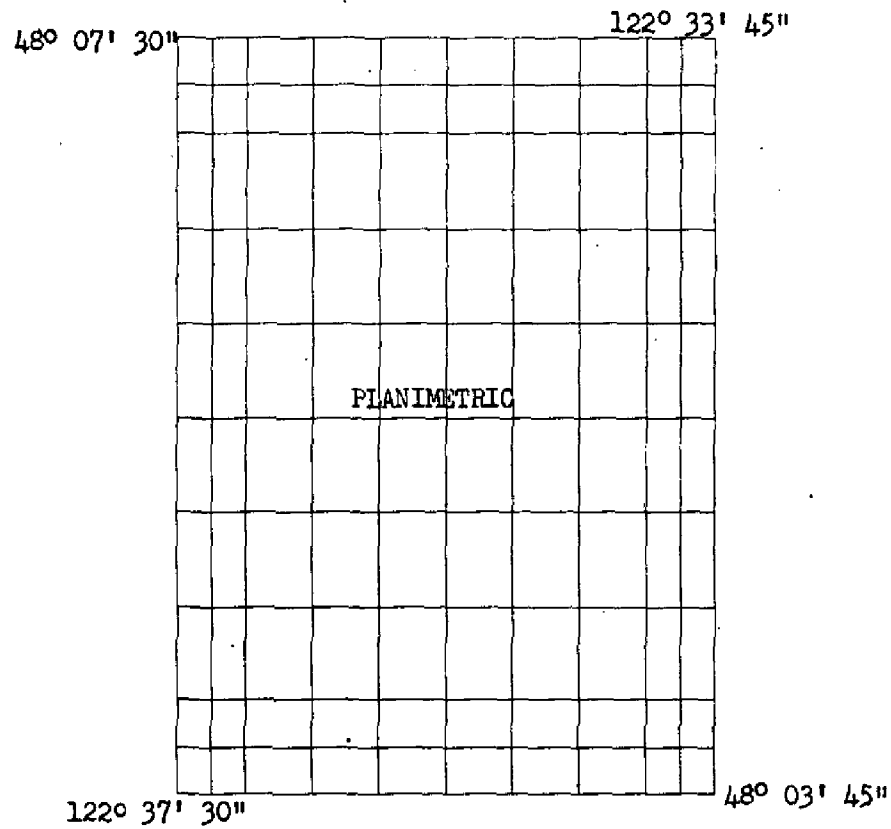
Y= 406,034.72

X= 1,568,174.13

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, L. F. Van Scoy & R. B. Melby Date: Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): By field inspection 8-2-60 to 8-8-60 and compiled by Kelsh Instrument and tracing of planetable survey.

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

Projection and Grids checked by (IV): J. D. C. Date: 10-14-60

Control plotted by (III): J. L. Harris Date: 9-1-60

Control checked by (III): J. E. Deal Date: 9-2-60

Radial Plot or Stereoscopic Control extension by (III): W. A. Kuncis Date: July 1960

Stereoscopic Instrument compilation (III): Planimetry D. N. Williams Date: 11-28-60
Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 1-12-61
C. C. Harris, Stick-up 5-4-61

Photogrammetric Office Review by (III): L. L. Graves, Rough Draft Date: 12-13-60
J. E. Deal, Advance 9-20-61

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): C&GS Single lens Camera "S"

Number	Date	Time	Scale	Stage of Tide
60-S-2473 thru 2475	4-25-60	12:52	1:30,000	3.0 ft. above M.L.L.W.

Tide (III)

Reference Station: Port Townsend, Washington
Subordinate Station: Marrowstone Point, Washington
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	5.1	8.3
	5.6	8.8

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): 5.5
Shoreline (Less than 200 meters to opposite shore) (III): 0.5
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 12
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): 2

Recovered: 7
Recovered:

Identified: 1
Identified:

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11617

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-11617

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-11617

Project Ph-5905

31. Delineation:

The Kelsh Instrument was used to compile the planimetry. Field inspection was satisfactory. There are no areas incomplete.

32. Control:

The identified horizontal control stations supplemented by the pass points located in the stereoplanigraph bridge were adequate for compilation on the Kelsh Instrument.

33. Supplemental Data:

Map of Island County, Washington, Scale 1" = 1 Mile, compiled by Island County Engineer, March 1958.

Planetable survey at Lagoon Pt. shown in margin of field ratio print 60-S-2473.

34. Contours and Drainage:

Contours are not applicable.

Drainage was not field inspected. Drainage not easily seen on the photographs was delineated in the compilation office with reference to the U.S.G.S. quadrangle.

35. Shoreline and Alongshore Details:

The mean high-water line was spot located by field inspection and delineated by the operator of the Kelsh Instrument during compilation. A small section of shoreline at Lagoon Pt. which was not covered by photography was located by planetable and then transferred to the map manuscript.

Foreshore areas were indicated by field inspection and these were compiled as seen on photography taken at 3.0 ft. above M.L.L.W..

The limits of a kelp area as seen on this photography adjacent to the Admiralty Inlet shoreline was also compiled.

No approximate low-water or shoal lines were delineated.

36. Offshore Details:

Numerous rocks just offshore from the mean high-water line were compiled. Data on the bearing of these rocks was furnished by the field inspector for the time of field inspection and was transcribed to the vertical datum of the manuscript by the compiler.

37. Landmarks and Aids:

There are no aids to navigation.

Forms 567 are submitted for the revision of one landmark and the deletion of two landmarks.

38. Control for Future Surveys:

Two 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-11613 on the north, T-11618 on the east and T-11623 on the south. To the west is Admiralty Inlet and no junction is required.

40. Horizontal and Vertical Accuracy:

There are no areas of the map manuscript believed to be of sub-normal horizontal accuracy. Vertical accuracy is not applicable.

46. Comparison with Existing Maps:

Comparison was made with 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 *J. Edward Deal*

Fred Natella, CAPT, C&GS
Portland District Officer

J. Edward Deal
Cartographer

49. Notes to the Hydrographer:

Two photo-hydro stations were selected at photogrammetric office and located by Kelsh Instrument.

Number	Description	Field Photo. No.
1701	Outer pile in crossmember in center of abandoned pier	60-S-2474
1702	Northeast corner of building	"

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COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Alongshore area for hydro.	Mar. 30, 1961	
4. Interior details added Compilation Complete	Sept. 20, 1961	

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11617

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 None 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 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. C.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:

Admiralty Inlet

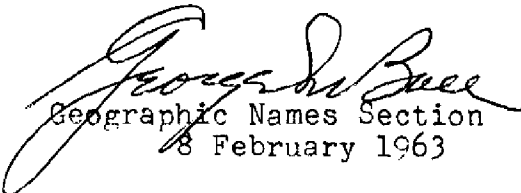
Greenbank

Holmes Harbor

Lagoon Point

Lake Hancock

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 L. Lander

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Mathe

Chief, Photogrammetry Division

Acting

