

11631

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-11631

LOCALITY

State Washington

General locality Puget Sound

Locality Double Bluff

19 60

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

11631

DESCRIPTIVE REPORT - DATA RECORD

T- 11631

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: Leonard F. Van Scoy

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: 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 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):

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): OLIVER, 1954

Lat.: 47° 58' 32.559"

Long.: 122° 31' 06.789"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

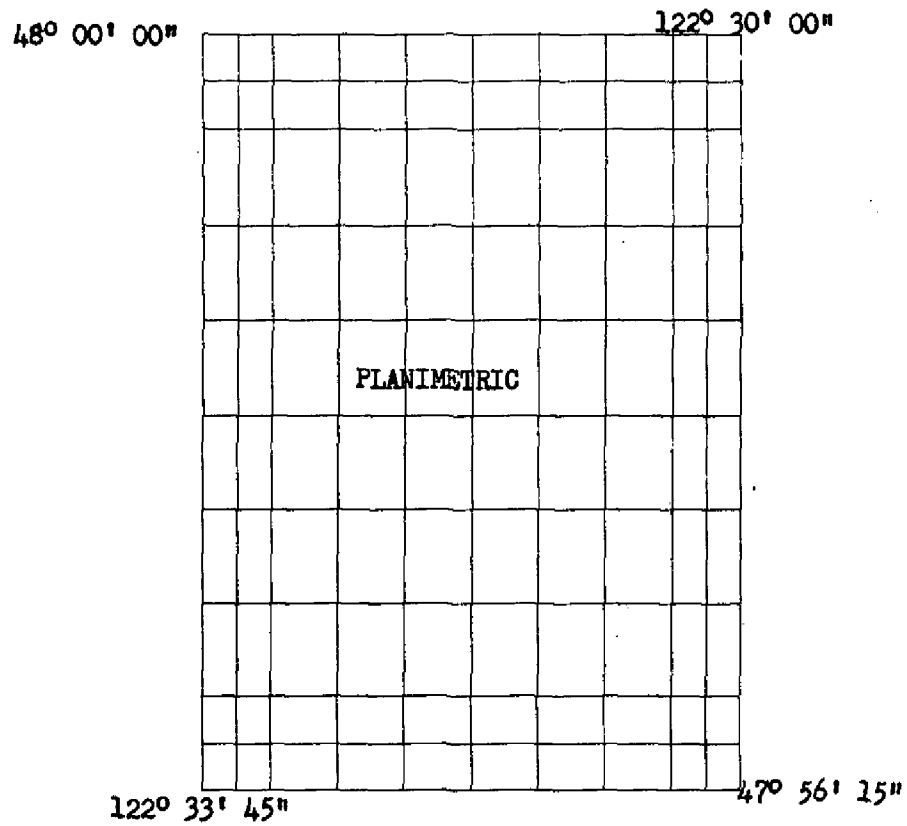
Y= 360,427.74

X= 1,587,251.09

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 Seoy 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): **7-2 & 7-7-60 by field inspection and Kelsh Instrument Compilation.**

Projection and Grids ruled by (IV): **R.A.C.** Date: **10-10-60**

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

Control plotted by (III): **D. N. Williams** Date: **6-12-61**

Control checked by (III): **L. L. Graves** Date: **6-12-61**

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

Pianimetry **D. N. Williams** Date: **6-20-61**
Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): **J. L. Harris, Scribing** Date: **9-13-61**
C. C. Harris, Stick-up **3-2-62**

Photogrammetric Office Review by (III): **C. C. Harris, rough draft** Date: **6-22-61**
J. E. Deal, advance **6-14-62**

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 Single lens "S" & "L"**

Number	Date	Time	Scale	Stage of Tide
60-W-2141	9-21-60	13:25	1:30,000	5.0 ft. above M.L.L.W.
60-S-2468 & 2469	4-25-60	12:49	"	2.5 ft. " "
60-L-9538 & 9539	4-16-60	13:35	"	-0.1 ft. below "

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): **6**

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **3** Recovered: **3**

Identified: **2**

Number of BMs searched for (II): **None** Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **None**

Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11631

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 F 11584

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11631

Project Ph-5905

Refer to the combined Photogrammetric Plot Report (Stereo-planigraph 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

SCALE FACTOR None

1 FT. = 3048006 METER			
COMPUTED BY: J.L.H.	DATE: 9-12-60	CHECKED BY: D.N.W.	DATE: 6-12-61
COMM-DC-57845			

COMPILATION REPORT

Map Manuscript T-11631

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 compiled as field inspected and additional drainage was delineated from the photographs by the compiler with reference to the U.S.G.S. Hansville, Wash. 7½ minute quadrangle.

35. Shoreline and Alongshore Details:

The mean high-water line was located by field inspection and delineated by the operator of the Kelsh Instrument during compilation. The extent of shallow areas alongshore were indicated by field inspection. Two low-water photographs were available and these covered only a very small section of the shoreline. For this reason no attempt was made to delineate low-water lines. The character of the foreshore was indicated by field inspection notes and the extent of foreshore areas shown were delineated from photography taken when the tide was 2.5 ft. above M.L.L.W. Alongshore cultural features were compiled as field inspected. Data on rocks baring along the shoreline was furnished by the field inspector for the time of field inspection which was transcribed to the vertical datum of the manuscript by the compiler.

36. Offshore Details:

None.

37. Landmarks and Aids:

Form 567 is submitted showing the geographic position of one aid to navigation located by traverse during field inspection.

38. Control for Future Surveys:

None other than the triangulation stations listed on Form 164, which is included in this descriptive report.

39. Junctions:

Satisfactory junctions were made with T-11624 on the north and T-11632 on the east. To the west and south are water areas.

40. Horizontal and Vertical Accuracy:

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

46. Comparison with Existing Maps:

Comparison was made with the U.S.G.S. 7½ minute Hansville, 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:

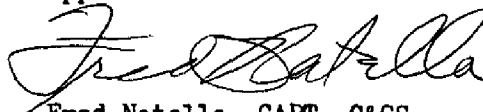
None.

Items to be Carried Forward:

None.

Approved:

Respectfully submitted:


Fred Natella, CAPT, C&GS
Portland District Officer


J. Edward Deal
Cartographer, C&GS

49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11631

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) none 7. Photo hydro stations none 8. Bench marks none 9. Plotting of sextant fixes none 10. Photogrammetric plot report ☒ 11. Detail points ☐

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges none 16. Aids to navigation ☒ 17. Landmarks none 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours none 23. Stereoscopic instrument contours none 24. Contours in general none 25. Spot elevations none 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads none 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines none 32. Public land lines none

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay none 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. Corita L. Harris 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:

COMPILATION RECORD

COMPLETION DATE

REMARKS

2. Interior Details added- Compilation Complete	June 14, 1962	

STRIKE OUT TWO -

14 June, 1962

The positions given have been checked after listing by J. E. Deal

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and *non-floating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

USCOMM-DC 25412-P61

T-11631

48. Geographic Names:

Austin

Double Bluff

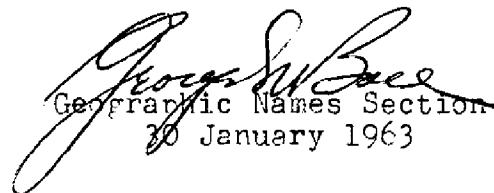
Mutiny Bay

Oliver Lake

Puget Sound

Useless Bay

Whidbey Island


Geographic Names Section
30 January 1963

REVIEW REPORT
SHORELINE SURVEYS
T-11631 through T-11639
December 1963

61. General Statement

There are nine (9) shoreline maps of Project PH-5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all nonfloating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1388 b	1:10,000	1872
T-1389 a&b	1:10,000	1872
T-1552	1:20,000	1884
T-1681	1:20,000	1885
T-1682	1:20,000	1885
T-4276	1:10,000	1927

There are cultural and shoreline differences due to time interval. These maps are to supersede the above surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Maxwelton, Washington	1:24,000	1953
Mukileto, Washington	1:24,000	1953
Everett, Washington	1:24,000	1953
Hansville, Washington	1:24,000	1953

There are cultural and shoreline changes due to the difference in survey dates.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts.

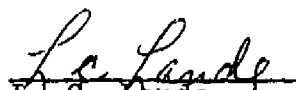
6448	1:40,000	Revised to Oct. 1959
6450	1:80,000	Revised to June 1963
184 S. C.	1:80,000	1963

There are no differences of importance between the charts and the subject manuscripts.

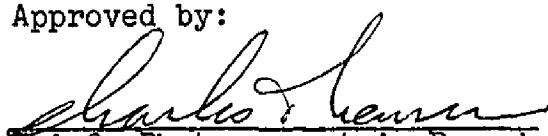
66. Adequacy of Results and Future Surveys


These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:


L. C. Lande

Approved by:


Chief, Photogrammetric Branch

 4/8/64
Chief, Photogrammetry Division

International Chart A-1

