

11634

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-11634

LOCALITY

State Washington

General locality Possession Sound

Locality Clinton

1960-1961

CHIEF OF PARTY

Fred Natella

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

11634

DESCRIPTIVE REPORT - DATA RECORD

T-11634

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mukilteo, Washington

Chief of Party: Fred Natella

Unit Chief: L. F. Van Scoy

Photogrammetric Office (III):

Portland, Oregon

Officer-in-Charge: 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):

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):

RIDGE 1924

Lat.: 47° 57' 35.814"

Long.:

122° 20' 54.103"

Adjusted X

Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 353,812.38

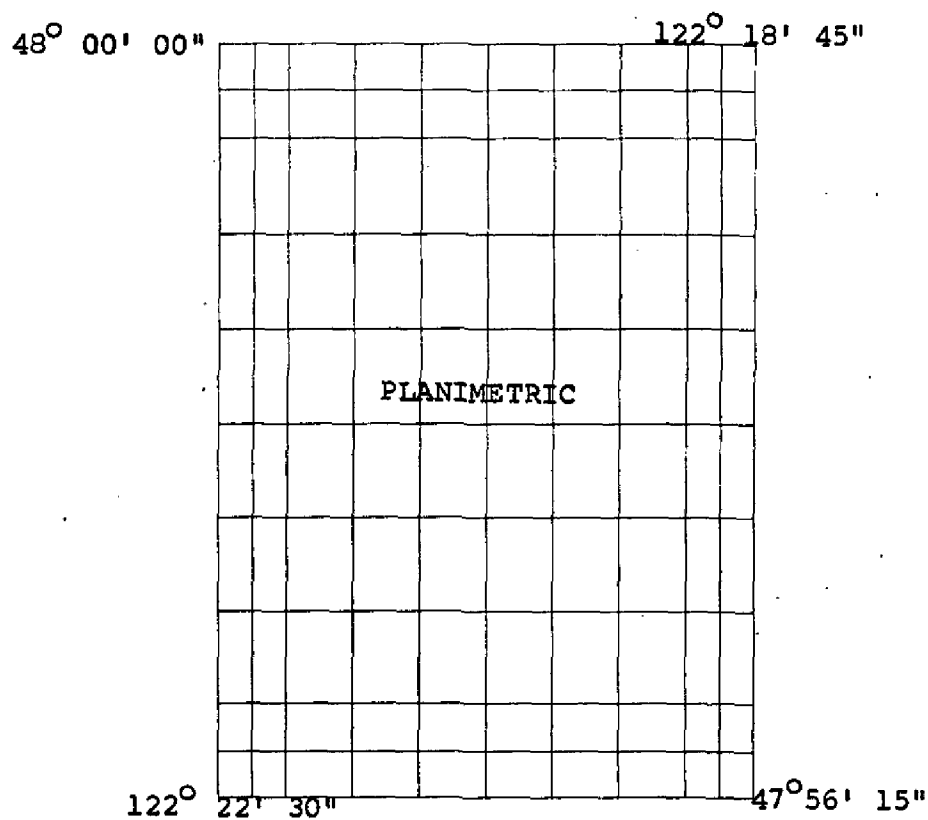
X= 1,628,815.80

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.

FORM 181a
(4-23-54)

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): L. F. Van Scoy & R. B. Melby Date: July 1960 & April 1961

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): July 11, 1960 for north part and April 1961 for south part by field inspection and refinement during compilation. Part was located by sextant fixes shown on reverse side of field photo 60-S-2156.

Projection and Grids ruled by (IV): R.A.C. Date: 10-11-60

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

Control plotted by (III): J. L. Harris Date: 7-21-61

Control checked by (III): L. L. Graves Date: 7-21-61

Radial Plot or Stereoscopic Control extension by (III): J. D. Perrow, Jr. Date: July 1961

Planimetry D. N. Williams Date: 8-4-61

Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 2-1-62
C. C. Harris, Stick-up 4-24-62

Photogrammetric Office Review by (III): J. L. Harris, rough draft Date: 10-24-61
J. E. Deal, advance 7-19-62

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Camera "S"

Number	Date	Time	Scale	Stage of Tide
60-S-2156				
thru 2158	9-21-60	13:40	1:30,000	5.8' above M.L.L.W.
60-S-2795	4-27-60	9:31	"	1.7' " "

Tide (III)

Reference Station: Seattle, Washington
Subordinate Station: Everett, Washington
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.4	11.1

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): 4.6

Shoreline (More than 200 meters to opposite shore) (III): 3

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3

Recovered: 1

Identified: None

Number of BMs searched for (II): 6 Tidal

Recovered: 5

Identified: 1

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): 1

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11634

Project Ph-5905

Refer to the combined Field Inspection Report for map manuscripts T-11632 thru T-11639 by Leonard F. Van Scoy, dated April - May 1961, which is included in the Descriptive Report for T-11632 (1961).

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11634

Project Ph-5905

Refer to the Photogrammetric Plot Report, Projects Ph-5905 and Ph-6101, Puget Sound, Washington (Strip 14) dated July 1961 by John D. Perrow, Jr., which is included in the Descriptive Report for T-11633.

COMPILATION REPORT
Map Manuscript T-11634
Project Ph-5905

31. Delineation:

The Kelsh Stereoscopic Instrument was used to compile the planimetry. A small portion of the shoreline was located by sextant fixes (see Field Photograph 60-S-2156).

Field inspection was satisfactory except for drainage. Photography available for field inspection did not cover the entire shoreline of the manuscript and it was necessary to delineate planimetric details by planetable. locations and from the extreme eastern edges of the models. Comparison was made by use of the vertical projector with a flight of photography (61-S704 thru 709) and no changes in the original compilation could be justified by office inspection.

32. Control:

Pass points located in the stereoplanigraph bridge were adequate. No triangulation stations were identified within the area of the manuscript.

33. Supplemental Data:

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

34. Contours and Drainage:

Contours are not applicable.

8 Drainage was partly field inspected. Additional drainage was delineated by the compiler with reference to the U.S.G.S. Mukilteo, Washington, quadrangle.

35. Shoreline and Alongshore Details:

The mean high-water line and alongshore details were adequately field inspected except when the shoreline was located by sextant fixes. At this place no alongshore features or foreshore area delineation was furnished or available. Supplemental photography made in 1961 verified the field inspection delineation.

Shoal areas visible on photograph 60-S-2795 taken at a predicted tide of 1.7 ft. are shown. All other photography was taken at a predicted tide of 5.8 ft. Foreshore areas and alongshore features as field inspected were compiled from these photographs.

No approximate low-water lines are shown.

36. Offshore Details:

One rock awash just offshore from the high-water line is shown.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

One photo-hydro station was selected by the field unit and was located by Kelsh Instrument. It is listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11627 on the north, T-11633 on the west, and T-11639 on the south. Possession Sound is to the east.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable.

There are no areas believed to be of sub-normal horizontal accuracy.

46. Comparison with Existing Maps:

Comparison was made with the U.S.G.S. Mukilteo, Washington, 7½ minute quadrangle, Scale 1:24,000, Edition 1952.

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 6450, 11th Edition, Revised 9-5-60, hand corrected 4-15-61, Scale 1:80,000 at Lat. 47° 57'.

Comparison was made with nautical chart No. 6448, 7th Edition, 3-12-35, Revised 10-5-59, Scale 1:40,000.

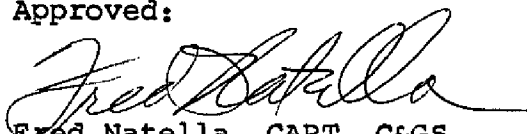
Items to be Applied to Nautical Charts Immediately:

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:

One photo-hydro station was located by Kelsh
Instrument:

No.	Description	Photo.
3401	Easterly gable on large building	60-S-2794

COMPILATION RECORD

COMPLETION DATE

REMARKS

1. Alongshore area for hydro		Map complete before hydro. Not furnished <i>Not Applicable</i>
4. Interior details added Compilation complete	<i>4-24-62</i>	

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11634

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 ☒ 8. Bench marks ☒ 9. Plotting of sextant fixes ☒ 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 None 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 ☒ 26. Other physical features ☒

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines ☒ 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. J. L. Harris

Reviewer

J. Edward Deal

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:

Clinton

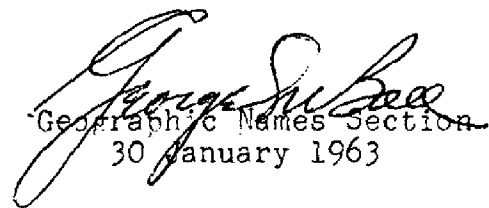
Columbia Beach

Glendale

Possession Sound

Randall Point

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
L. C. Lande

Approved by:

Charles H. Hanner
Chief, Photogrammetric Branch

J. M. Lang 4/8/64
Chief, Photogrammetry Division

