

11615

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-11615
LOCALITY	
State	Washington
General locality	Puget Sound, Port Susan
Locality	Elger Bay
1960	
CHIEF OF PARTY	
Lorne G. Taylor & Fred Natella	
LIBRARY & ARCHIVES	
DATE	April 1964

USCOMM-DC 5087

11615

DESCRIPTIVE REPORT - DATA RECORD

T - 11615

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Photogrammetric Office (III): Portland, Oregon

Sub Unit: J. C. Lajoie & W. V. Hull

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 Stereoscopic Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Scale Factor (III): None

Pantograph Scale 1:10,000

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): HEALD 2, 1924

Lat.: 48 09' 44.805"

Long.: 122 27' 56.178"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

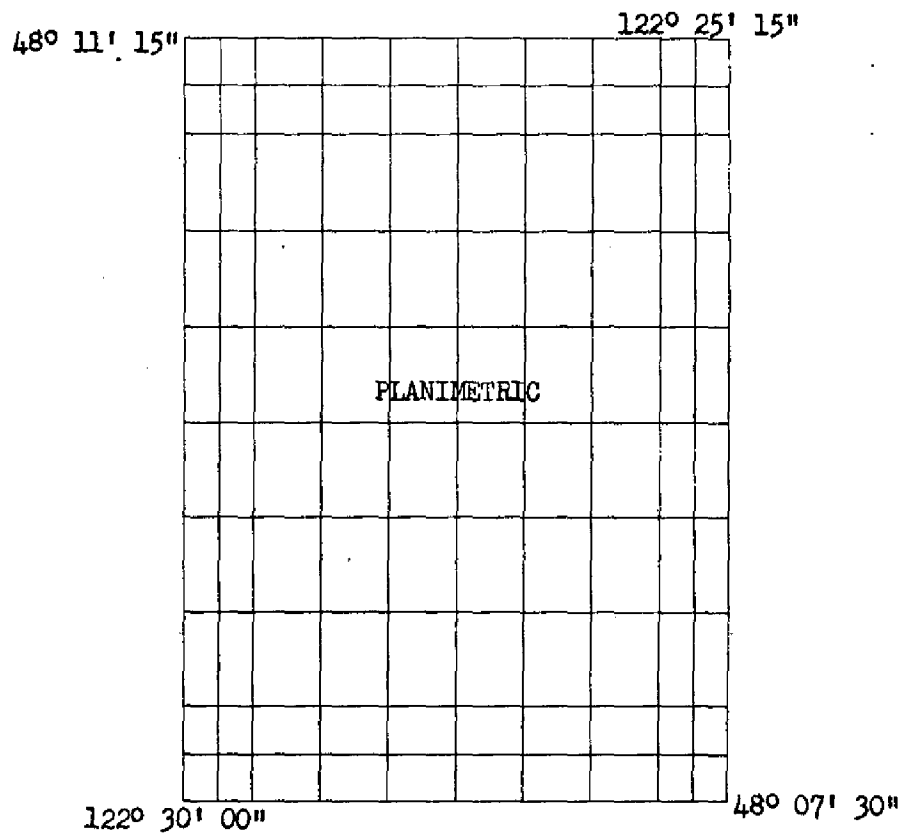
Y= 428,250.05

X= 1,601,661.85

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): L. F. Van Scoy & J. D. Ulven Date: June & Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-14-60 by field inspection and Kelsh Instrument compilation.

Projection and Grids ruled by (IV): Souders Date: 6-9-60

Projection and Grids checked by (IV): J. Keefer Date: 6-9-60

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

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

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

Stereoscopic Instrument compilation (III):
Planimetry D. N. Williams Date: 12-9-60
Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 1-30-61
C. C. Harris, Stick-up 5-2-61

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

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 Single lens Camera "S"

Number	Date	Time	Scale	Stage of Tide
60-S-2480 thru 2482	4-25-60	13:02	1:30,000	3.0 ft. above M.L.L.W.

Tide (III)

Reference Station: Seattle, Washington
Subordinate Station: Tulalip, Washington
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.6	11.2

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): 6.5

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2 Recovered: 1

Identified: 1

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): 2

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11615

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-11615

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

MAP T-11615...

PROJECT NO. Ph-5905

SCALE OF MAP..... 1:10,000

SCALE FACTOR.....None

[illegible]

1 FT. = .3048006 METER

J. L. H.

DATE 9-21-60

CHECKED BY: J. E. D.

DATE 10-7-60

COMM-DC-5784C

COMPILATION REPORT
Map Manuscript T-11615
Project Ph-5905

Items 31 and 32:

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

33. Supplemental Data:

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

34. Contours and Drainage:

Contours are not applicable.

Drainage was not field inspected. Drainage shown on the map manuscript was delineated by the compiler with reference to the U.S.G.S. Juniper Beach, Washington, 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 foreshore areas were indicated by field inspection and were delineated from photographs taken at 3.0 ft. above M.L.L.W.

No low-water or shoal lines were shown along the Port Susan shoreline.

The extent of a mud flat area in Elger Bay, detailed from photography taken at 3.0 ft. above M.L.L.W., is shown.

A shoal line is shown along the short piece of shoreline in Saratoga Passage.

36. Offshore Details:

Several rocks just offshore from the mean high-water line are shown.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Two photo-hydro stations were located and these are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11606 on the north, T-11614 on the west and T-11619 on the south. On the east is Port Susan and no junction was required.

40. Horizontal and Vertical Accuracy:

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

46. Comparison with Existing Maps:

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

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 J. Edward Deal
Portland District Officer Cartographer

49. Notes to the Hydrographer:

Two photo-hydro stations were located by Kelsh Instrument.

Number	Description	Field Photo No.
1501	Lone pile	60-S-2777
1502	Gable facing south on white house with green trim, shed at east end of house	60-S-2482

T-11615

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-11615

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 None 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:

Camano Country Club

Camano Island

Camano Island State Park

Cavelero Beach

Cranberry Lake

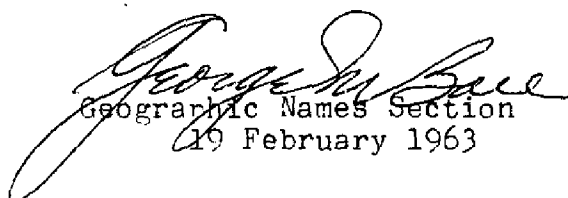
Elger Bay

Lost Lake

Mountain View Beach

Port Susan

Saratoga Passage


Geographic Names Section
19 February 1963

Review Report
Shoreline Surveys
T-11611 thru T-11616
February 1964

61. General Statement

These 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-1254	1:10,000	1871
T-1755	1:20,000	1886
T-1994	1:20,000	1888
T-6767	1:10,000	1940
T-6909	1:10,000	1942

There are cultural and shoreline changes due to the difference in time interval. These map manuscripts are to supersede the above listed surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Coupeville	1:24,000	1953
Camano	1:24,000	1953
Juniper Beach	1:24,000	1956
Stanwood	1:24,000	1956

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

64. Comparison with Contemporary Hydrographic Surveys

H-8544	1:10,000	1960
H-8699	1:10,000	1961

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently, no differences were found or applied.

65. Comparison with Nautical Charts

6450	1:80,000	1961 revised to July 1963
1845.c.	1:80,000	1963

See item 47.

66. Accuracy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles H. Haver
Chief, Photogrammetric Branch

J. E. Laugh 5/26/64
Chief, Photogrammetry Division

