

# 11620

*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-11620

### LOCALITY

State Washington

General locality Puget Sound - Camano Island

Locality Mabana

1960

### CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

### LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

# 11620

DESCRIPTIVE REPORT - DATA RECORD

T - 11620

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 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 (2) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): CAMANO 2, 1924 R.M. 2

Lat.: 48° 06' 43.436"

Long.: 122° 24' 33.304"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 409,589.40

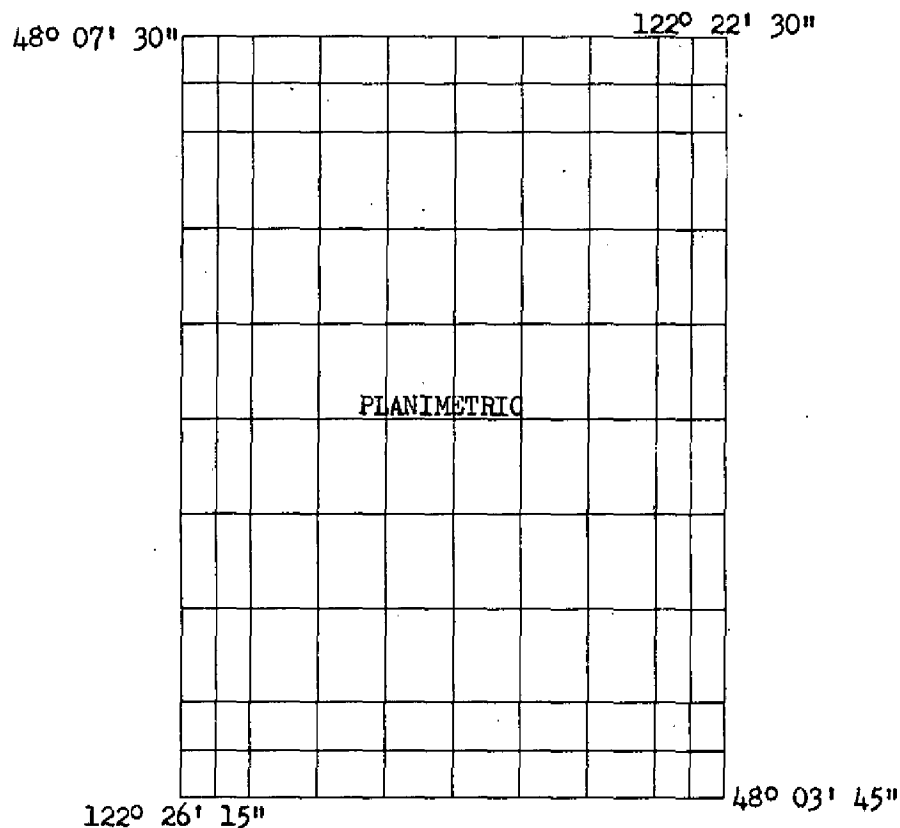
X= 1,615,036.36

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

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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 & J. D. Ulven Date: June to Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Located by field inspection 6-12-60; 6-13-60 and 7-26-60. Compiled by Kelsh Instrument.

Projection and Grids ruled by (IV): W. S. 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: 10-11-60

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

Stereoscopic Instrument compilation (III): Planimetry D. N. Williams Date: 11-17-60  
Contours Date:

Manuscript delineated by (III): L. L. Graves, Scribing Date: 12-1-60  
C. C. Harris, Stick-up 5-10-61

Photogrammetric Office Review by (III): J. L. Harris, Rough Draft Date: 11-8-60  
J. E. Deal, Advance 9-21-61

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 "S"

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
60-S-2483 thru 2485	4-25-60	13:04	1:30,000	3.0 Ft. above M.L.L.W.

Tide (III)

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

Ratio of Ranges	Diurnal	
	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) (II): 5.6  
Shoreline (More than 200 meters to opposite shore) (III): 8.0  
Shoreline (Less than 200 meters to opposite shore) (III): None  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 8 Recovered: 2 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): 5

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11620

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-11620

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*

SCALE FACTOR

1 FT. = 3048006 MEYER

DATE 9-22-60

CHECKED BY. J. E. D.

DATE 10-10-60



## COMPILATION REPORT

Map Manuscript T-11620

Project Ph-5905

Items 31 and 32:

Refer to the Descriptive Report for T-11617 (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.

No drainage was delineated by field inspection and none is indicated by reference to 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 Kelsh operator during compilation.

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. Shallow areas adjacent to and along the Saratoga Passage shoreline were also compiled.

Photography did not permit a delineation of definite or approximate low-water and shoal lines.

36. Offshore Details:

Refer to the Descriptive Report for T-11617 (1960).

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Five 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-11615 on the north, T-11619 on the west, T-11621 on the east and T-11626 on the south.

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 Langley, Washington, quadrangle, Scale 1:24,000, Edition 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  
Portland District Officer

J. Edward Deal  
Cartographer

49. Notes to the Hydrographer:

Five photo-hydro stations were located by Kelsh Instrument:

Number	Description	Field Photo No.
2001	Pole in center of red roof on white enclosed lookout tower on small square building.	60-S-2482
2002	East gable on brown shingle boat house.	60-S-2482
2003	Large Flagstone chimney on dark brown house with green trim. (Chimney at right angle to shoreline.)	60-S-2484
2004	Corner 9 foot bulkhead.	60-S-2484
2005	Boulder 15 feet in diameter awash at mean high-water.	60-S-2484

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COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Alongshore area for hydro	Feb. 28, 1961	
4. Interior details added Compilation complete	Sept. 21, 1961	

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 11620

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 None 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. 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:

48. Geographic Names:

Camano Island

Camp Diana

Cornell

Mabana

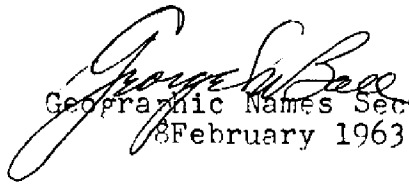
Pebble Beach

Port Susan

Saratoga Passage

Sunny Shore Acres

Tyee Beach

  
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 Shuman*

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*M. E. Matto*

Chief, Photogrammetry Division

*Acting*



