

# 11614

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Diag. Cht. No. 6450-2.

|   |                           |
|---|---------------------------|
| <b>Form 504</b>                                   |                           |
| U. S. DEPARTMENT OF COMMERCE                      |                           |
| COAST AND GEODETIC SURVEY                         |                           |
| <b>DESCRIPTIVE REPORT</b>                         |                           |
| Type of Survey <u>Shoreline (Photogrammetric)</u> |                           |
| Field No. <u>Ph-5905</u>                          | Office No. <u>T-11614</u> |
| <b>LOCALITY</b>                                   |                           |
| State <u>Washington</u>                           | <u>Saratoga Passage</u>   |
| General locality <u>Puget Sound</u>               |                           |
| Locality <u>Camano</u>                            |                           |
| <u>1960</u>                                       |                           |
| <b>CHIEF OF PARTY</b>                             |                           |
| <u>Lorne G. Taylor and Fred Natella</u>           |                           |
| <b>LIBRARY &amp; ARCHIVES</b>                     |                           |
| DATE <u>April 1964</u>                            |                           |

USCOMM-DC 5087

# 11614

DESCRIPTIVE REPORT - DATA RECORD

T - 11614

Project No: (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Sub Unit: John C. Lajoie & Wesley V. Hull

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor  
& 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 Stereoscopic Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000  
Kelsh Pantograph Scale: 1:10,000

Scale Factor (III): None

Date received in Washington Office (IV):

MAR 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):

Mean sea level except as follows: X  
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): Mc BRIDE, 1944

Lat.: 48° 09' 41.597"

Long.: 122° 31' 13.617"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

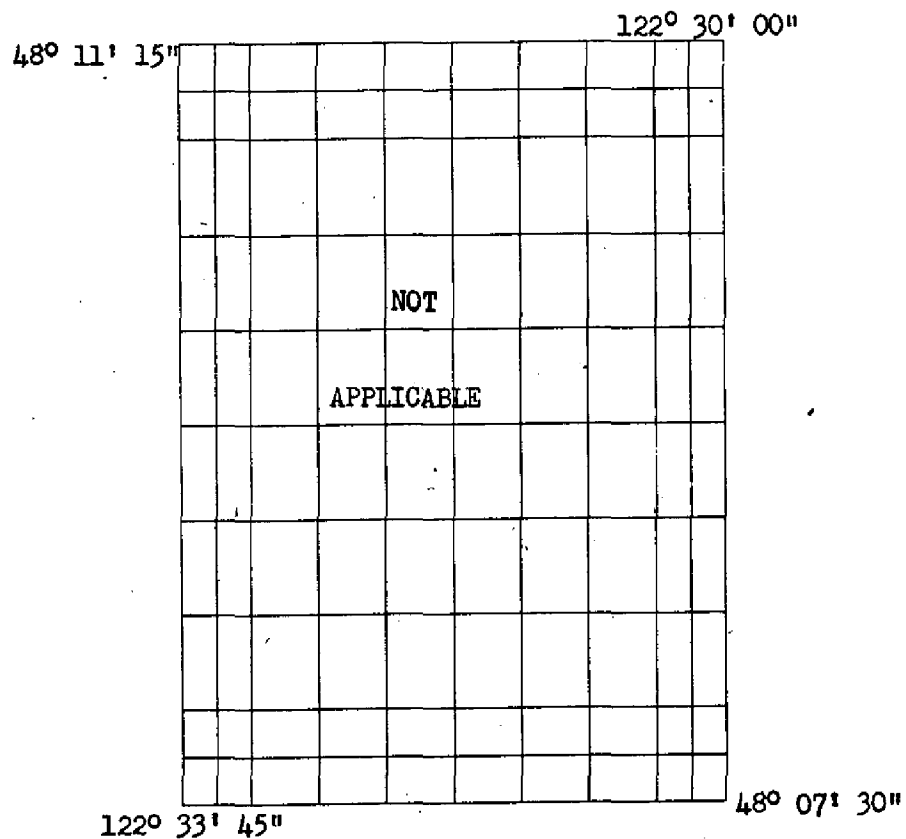
Y= 428,213.72

X= 1,588,272.71

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, Shoreline  
J. D. Ulven, Interior Date: 6-1 & 6-2-60  
August 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-1 & 6-2-60 by field inspection  
and Kelsh Instrument compilation.

Projection and Grids ruled by (IV): Dempsey Date: 5-21-60

Projection and Grids checked by (IV): P.J.D. Date: 5-21-60

Control plotted by (III): L. L. Graves Date: 7-11-60

Control checked by (III): J. E. Deal Date: 7-11-60

Radial Plot or Stereoscopic  
Control extension by (III): W. A. Kuncis Date: 6-9-60

Planimetry D. N. Williams Date: 9-14-60  
Stereoscopic Instrument compilation (III):  
Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing Date: 11-3-60  
C. C. Harris, Stick-up 12-2-60

Photogrammetric Office Review by (III): C. C. Harris, Rough Draft Date: 10-17-60  
J. E. Deal, Advance 2-7-61

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): U.S.C. &amp; G.S. Single lens "S"

| PHOTOGRAPHS (III)      |         |       |          |                    |
|------------------------|---------|-------|----------|--------------------|
| Number                 | Date    | Time  | Scale    | Stage of Tide      |
| 60-S-2497<br>& 2498    | 4-25-60 | 13:13 | 1:30,000 | 3.7 above M.L.L.W. |
| 60-S-2775<br>thru 2777 | 4-27-60 | 09:13 | 1:30,000 | 3.5 above M.L.L.W. |

## Tide (III)

Reference Station: Seattle, Washington  
Subordinate Station: Coupeville, Penn Cove, Washington  
Subordinate Station:

| Ratio of<br>Ranges | Mean<br>Range | Spring<br>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): 4.6

Shoreline (More than 200 meters to opposite shore) (III): 4

Shoreline (Less than 200 meters to opposite shore) (III): 0.25

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 7

Recovered: 4

Identified: 0

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): 11

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11614

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-11614

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-11614

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 not adequately indicated by field inspection. By reference to U.S.G.S. 7½ minute Camano, Washington quadrangle several drainage patterns were office identified and compiled. The drainage shown on the quadrangle located at the south limits of Camano, Washington could not be definitely identified in the office and therefore was not detailed.

Items 35 and 36:

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

37. Landmarks and Aids:

There are no landmarks. Form 567 is submitted for two fixed aids to navigation located by triangulation methods.

38. Control for Future Surveys:

Eleven photo-hydro stations located by Kelsh Instrument are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11605 on the north, T-11613 on the west, T-11615 on the east and T-11618 on the south.

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 Camano, 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:

*Fred Natella*  
*By JED*

Fred Natella  
CAPT, C&GS  
Portland District Officer

Respectfully submitted:

*J. Edward Deal*

J. Edward Deal  
Cartographer  
C&GS

491 Notes to the Hydrographer:

Eleven photo-hydro stations were located by Kelsh Instrument.

| <u>Number</u> | <u>Description</u>   | <u>Field<br/>Photo. No.</u> |
|---------------|--|-----------------------------|
| 1401          | Red brick chimney on green farm house  | 60-S-2776                   |
| 1402          | Cupola, northwest corner Camano Rest Home  | 60-S-2776                   |
| 1403          | Offshore gable of small house on bluff   | 60-S-2776                   |
| 1404          | Northwest intersection of bulkhead and<br>Marine railway   | 60-S-2776                   |
| 1405          | Cluster of 4 piles (not a dolphin) on<br>M.H.W.L. and about 6 ft. high at N.W.<br>end of bulkhead                | 60-S-2497                   |
| 1406          | Northwest corner of small house, north-<br>ward along beach from "MANACO" written<br>on house                    | 60-S-2776                   |
| 1407          | Offshore gable of house("MANACO" written<br>on house)  | 60-S-2776                   |
| 1408          | East end of log on beach   | 60-S-2776                   |
| 1409          | Center of wash. Small stump on each side<br>of wash where it meets M.H.W.L. Tree<br>just south of center of wash | 60-S-2496                   |
| 1410          | Northwest gable of large brown boat house  | 60-S-2496                   |
| 1411          | Center of triangulation shaped log retaining<br>wall lying on edge of sloping bluff, base<br>of M.H.W.L.         | 60-S-2778                   |

# PHOTOGRAMMETRIC OFFICE REVIEW

T. 11614

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 X 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation X 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 None

## 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. 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:

48. Geographic Names:

Cama Beach

Camano

Camano Island

Camano Island State Park

Indian Beach

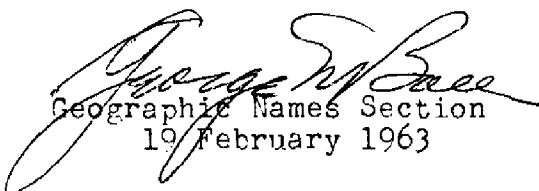
North Bluff

Onamac Point

Saratoga Passage

Saratoga Shores

Whidbey Island

  
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 requirement's for adequacy and accuracy.

Reviewed by:

L. C. Lande  
L. C. Lande

Approved by:

Charles H. Hearn  
Chief, Photogrammetric Branch

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

