

11606

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-11606

LOCALITY

State Washington

General locality Camano Island, Puget Sound

Locality Triangle Cove

1959-1960

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11606

DESCRIPTIVE REPORT - DATA RECORD

T - 11606

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): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

SEP 12 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): None recovered - refer to T-11605

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

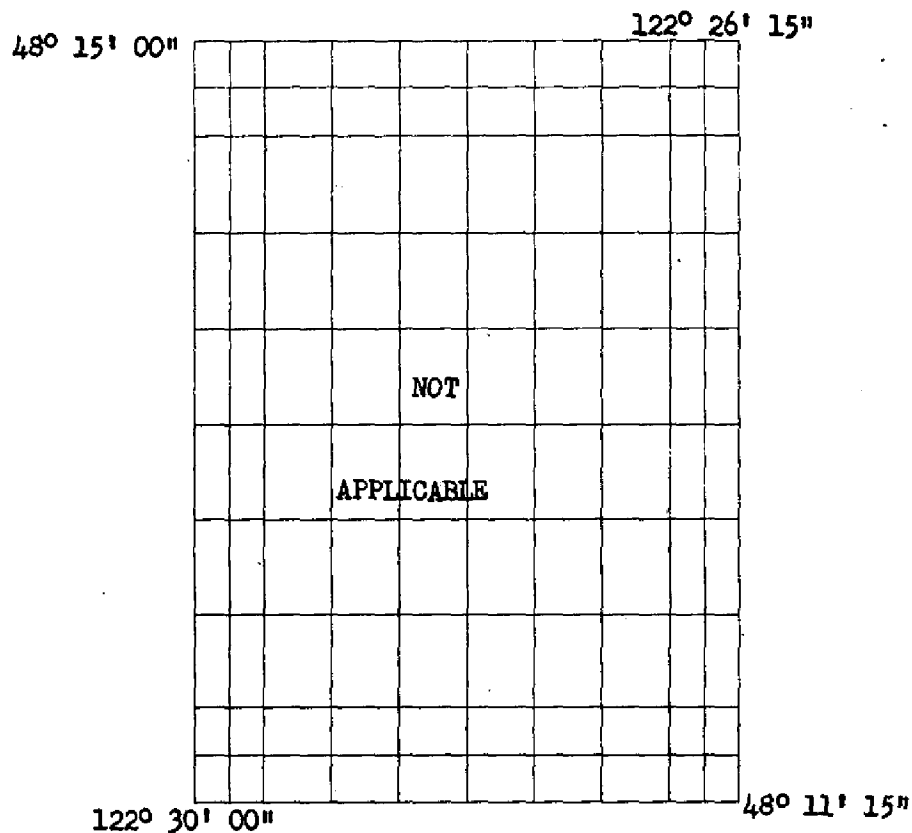
Y=

X=

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 Date: July 1960
R. B. Melby - Interior Aug. 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): July 1960 by field inspection, refinement by stereoscopic examination in office and compilation by graphic methods.

Projection and Grids ruled by (IV): Souders Date: 6-30-60

Projection and Grids checked by (IV): J. Keefer Date: 8-18-60

Control plotted by (III): D. N. Williams (Pass Points) Date: 12-19-60

Control checked by (III): L. L. Graves Date: 12-19-60

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris Date: 1-11-61

Planimetry Date:
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): L. L. Graves Date: 1-19-61
D. N. Williams, Scribing 3-27-61
C. C. Harris, Stick-up 5-15-61

Photogrammetric Office Review by (III): C. C. Harris, Rough draft Date: 3-16-61
J. E. Deal, Advance 6-21-61

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

DESCRIPTIVE REPORT - DATA RECORD

5.

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): USC&GS nine-lens - focal length 8.25 inches.

| PHOTOGRAPHS (III) | | | | |
|-------------------|--------|-------|----------|---------------------|
| Number | Date | Time | Scale | Stage of Tide |
| 60210 & 60211 | 9-9-59 | 11:10 | 1:10,000 | 9.4' above M.L.L.W. |

Tide (III)

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

| Ratio of Ranges | Mean Range | Diurnal |
|--------------------|---------------|----------------------------|
| | | 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): 10
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): 0 Recovered: 0 Identified: 0
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): 4

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11606

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-11606

Project Ph-5905

Refer to Photogrammetric Plot Report for T-11598 thru T-11600, T-11606 thru T-11610 and T-11616 which is included in the Descriptive Report for T-11598 (1960).

MAP T-11606...

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

[illegible]

1 FT. = 3048006 METER

COMPUTED BY:..

DATE.

CHECKED BY:

DATE _____

COMM-DC-57849

COMPILATION REPORT

Map Manuscript T-11606

Project Ph-5905

31. Delineation:

Graphic methods were used to compile the planimetry. Field inspection was adequate except as described in Item 34, Contours and Drainage.

32. Control:

Pass points located by Kelsh Instrument and others located by radial plot were adequate for controlling the photographs for the orientation of photographs for the location of minor pass points.

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. The drainage was only partly field inspected. It was delineated at the compilation office by stereoscopic examination of the photographs and verified by comparison with the U.S.G.S. Juniper Beach, Washington, 7½ minute quadrangle, Scale 1:24,000, Edition 1956.

35. Shoreline and Alongshore Details:

The nine lens photography was taken just below mean high-water. Infra-red photography taken at the same time was used to supplement the nine lens photography. The limits shown for a large foreshore area which bares at extreme low tides are only approximate. Low-water lines in Triangle Cove were obtained from single lens photograph 60-S-2479.

36. Offshore Details:

None.

37. Landmarks and Aids:

Form 567 is submitted for one landmark. There are no aids to navigation.

38. Control for Future Surveys:

One landmark and four photo-hydro stations are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions have been completed with T-11598 on the north, T-11605 on the west, T-11607 on the east and T-11615 on the south.

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 U.S.G.S. 7½ minute quadrangle Juniper Beach, Wash., Scale 1:24,000, Edition of 1956.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart 6450, Scale 1:80,000 Eleventh Edition, revised 9-5-60, hand corrected thru 4-15-61.


Items to be applied to Nautical Charts Immediately.

None.

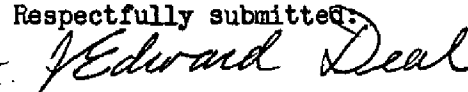
Items to be Carried Forward:

None.

Approved:


Fred Natella, CAPT, C&GS
Portland District Officer

Respectfully submitted:


J. Edward Deal
Cartographer, C&GS

49. Notes to the Hydrographer:

Form 567 was submitted showing the scaled position of:

TOWER, 1960

Four photo-hydro stations were located:

| <u>Number</u> | <u>Description</u> | <u>Field Photo</u> |
|---------------|--|--------------------|
| 0601 | South corner of 2½ story tan house with light blue trim | 60209 |
| 0602 | S.W. gable of white house on beach, end one in row | 60209 |
| 0603 | Fence corner at S.W. corner orchard | 60-S-2479 |
| 0604 | S.W. gable on 2½ story brown shingle building | 60-S-2479 |

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11606

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy None 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 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 None 17. Landmarks ☒ 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. Leavita 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:

48. Geographic Names:

Barnum Point

Camano Island

Driftwood Shores

Kristofersen Lake

Livingston Bay

Lona Beach

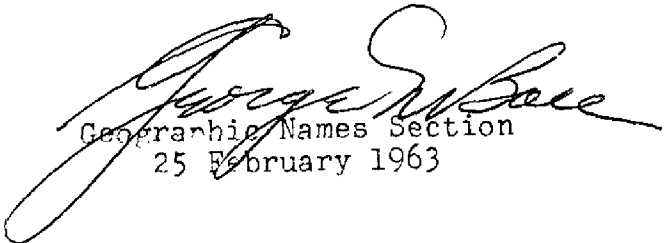
Port Susan

Smith Lake

Sunrise Point

Terrys Corner

Triangle Cove


Geographic Names Section
25 February 1963

Review Report
Shoreline Surveys
T-11601 through T-11610
March 1964

61. General Statement

These are ten (10) 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-1254 | 1:10,000 | 1871 |
| T-1755 | 1:20,000 | 1886 |
| T-1994 | 1:20,000 | 1888 |
| T-2011 | 1:20,000 | 1888 |
| T-1253 | 1:10,000 | 1871 |
| T-6767 | 1:10,000 | 1940 |
| T-6768 | 1:10,000 | 1940 |

There are cultural and shoreline changes due to the difference in time interval. The shoreline has eroded approximately 30 to 40 meters in some areas. T-11601 through T-11610 are to supersede the above listed surveys of common areas for nautical charting.

63. Comparison with Maps of Other Agencies

| | | |
|---------------------|----------|------|
| Port Townsend North | 1:24,000 | 1953 |
| Coupeville | 1:24,000 | 1953 |
| Camano | 1:24,000 | 1953 |
| Juniper Beach | 1:24,000 | 1956 |
| Stanwood | 1:24,000 | 1956 |
| Arlington West | 1:24,000 | 1956 |

There are small cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

| | | |
|--------|----------|------|
| H-8542 | 1:10,000 | 1960 |
| H-8543 | 1:10,000 | 1960 |
| H-8544 | 1:10,000 | 1960 |

Shoreline and control of the subject surveys was furnished prior to the hydrographic surveys and apparently no difference exist.

65. Comparison with Nautical Charts

| | | |
|----------------------|----------|----------------------|
| 6450 | 1:80,000 | 1961 revised to 1963 |
| 1845 S.C. | 1:80,000 | 1963 |
| S.C. | | |

There are only minor differences between the charts and the manuscript.

66. Accuracy of Results and Future Surveys

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

Reviewed by:

L. C. Lande

L. C. Lande

Approved by:

Charles Hauer

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Matte

Chief, Photogrammetry Division

Acting

