

11600

Orig

Diag. Cht. No. 6450-2.

| | |
|--|-------------------------|
| Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| <i>Type of Survey</i> <u>Shoreline (Photogrammetric)</u> | |
| <i>Field No.</i> <u>Ph-5905</u> <i>Office No.</i> <u>T-11600</u> | |
| LOCALITY | |
| <i>State</i> | <u>Washington</u> |
| <i>General locality</i> | <u>Skagit Bay</u> |
| <i>Locality</i> | <u>Tom Moore Slough</u> |
| <u>1959-1960</u> | |
| CHIEF OF PARTY | |
| <u>Lorne G. Taylor and Fred Natella</u> | |
| LIBRARY & ARCHIVES | |
| DATE | <u>May 1964</u> |

USCOMM-DC 5087

11600

DESCRIPTIVE REPORT - DATA RECORD

T - 11600

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: W. V. Hull

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor
and 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):

FEB 6 1962

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): OVERSKAUG, 1941

Lat.: 48° 16' 26.252"

Long.: 122° 20' 30.136"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 468,304.08

X= 1,632,691.67

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

Field Inspection by (II): W. V. Hull & R. B. Melby Date: June & July 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 7-12-60 by field inspection and compilation by graphic methods.

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

Projection and Grids checked by (IV): J. Keefer Date: 8-17-60

Control plotted by (III): C. C. Harris Date: 10-4-60

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

Radial Plot or Stereoscopic Control extension by (III): Date:

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

Manuscript delineated by (III):
C. H. Bishop, Rough Draft Date: 6-1-61
J. L. Harris, Scribing Date: 10-17-61
C. C. Harris, Stick-up Date: 12-26-61

Photogrammetric Office Review by (III):
C. C. Harris, Rough Draft Date: 6-13-61
J. E. Deal, Advance Date: 1-2-62

Elevations on Manuscript checked by (II) (III): None Date:

DESCRIPTIVE REPORT - DATA RECORD

5.

Camera (kind or source) (III): C&GS 9 lens, focal length 8.25 inches.

| Number | Date | PHOTOGRAPHS (III) | | Scale | Stage of Tide |
|---------------------|--------|-------------------|--|----------|------------------------|
| | | Time | | | |
| 60088 | 9-9-59 | 09:50 | | 1:10,000 | 9.2 ft. above M.L.L.W. |
| 60115 thru 60117 | " | 10:09 | | " | 9.0 ft. above M.L.L.W. |

Tide (III)

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

| Ratio of Ranges | Mean Range | Diurnal |
|-----------------|------------|-------------------------|
| | | Spring 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): 13
Shoreline (More than 200 meters to opposite shore) (III): None
Shoreline (Less than 200 meters to opposite shore) (III): 6.0
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 5 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): None

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11600

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-11600

Project Ph-5905

Refer to combined photogrammetric plot report for map manuscripts T-11598 thru T-11600, T-11606 thru T-11610 and T-11616 which is included in the Descriptive Report for T-11598 (1960).

COMPILATION REPORT

Map Manuscript T-11600

Project Ph-5905

31. Deliheation:

Graphic methods were used to compile the planimetry. Photography was adequate.

32. Control:

The identified horizontal control and the pass points located in the radial plot were satisfactory for the compiler to locate detail points for the compilation work.

33. Supplemental Data:

None.

34. Contours and Drainage:

Contours are not applicable.

Drainage was not field inspected. Drainage that was not visible on the photographs was transferred to the manuscript from the U.S.G.S. 7½ minute quadrangle, Conway, Washington, by use of the vertical projector.

35. Shoreline and Alongshore Details:

These features were adequately field inspected. Most of foreshore consists of marsh areas which inundate at extreme high tides. The nine lens photography was taken at about M.H.W. and the apparent shoreline shown around the marsh areas is believed to be an accurate illustration of the extent of the sloughs at mean high-water for the date of photography.

Where dikes have been constructed the mean high-water line has been indicated to be permanent.

No low-water or shoal areas could be delineated from the photography.

36. Offshore Details:

There are numerous piling and dolphins in Tom Moore Slough. Refer to Item 47 of the compilation report for T-11599 relative to a "pile trestle in ruins" which is shown as a dike on Nautical Chart No. 6450.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made on the north with T-11593, on the west with T-11599 and on the south with T-11608. There is no contemporary survey to the east.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable.

There are no areas believed to be of subnormal horizontal accuracy.

46. Comparison with Existing Maps:

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

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6450, Scale 1:80,000, Revised 7-27-59, hand corrected 11-14-59.

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:

None.

T - 11600

| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|--|-----------------|---------|
| | | |
| | | |
| | | |
| 4. Interior details added. Compilation complete | 1/2/62 | |
| | | |

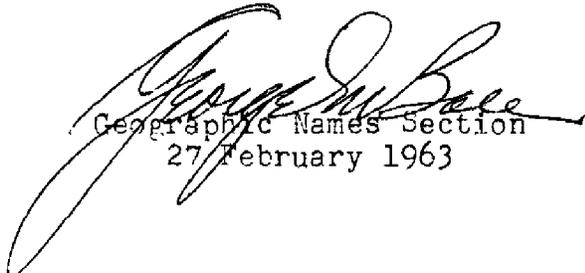
PHOTOGRAMMETRIC OFFICE REVIEW

T-~~10309~~ 11600

| | | | | | | | |
|---|--|---|---|--|--|--|--|
| 1. PROJECTION AND GRIDS <p style="text-align: center;">X</p> | | 2. TITLE <p style="text-align: center;">X</p> | | 3. MANUSCRIPT NUMBERS <p style="text-align: center;">X</p> | | 4. MANUSCRIPT SIZE <p style="text-align: center;">X</p> | |
| CONTROL STATIONS | | | | | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <p style="text-align: center;">X</p> | | | | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <p style="text-align: center;">None</p> | | 7. PHOTO HYDRO STATIONS <p style="text-align: center;">None</p> | |
| 8. BENCH MARKS <p style="text-align: center;">None</p> | | 9. PLOTTING OF SEXTANT FIXES <p style="text-align: center;">None</p> | | 10. PHOTOGRAMMETRIC PLOT REPORT <p style="text-align: center;">X</p> | | 11. DETAIL POINTS <p style="text-align: center;">X</p> | |
| ALONGSHORE AREAS (Nautical Chart Data) | | | | | | | |
| 12. SHORELINE <p style="text-align: center;">X</p> | | 13. LOW-WATER LINE <p style="text-align: center;">None</p> | | 14. ROCKS, SHOALS, ETC. <p style="text-align: center;">None</p> | | 15. BRIDGES <p style="text-align: center;">None</p> | |
| 16. AIDS TO NAVIGATION <p style="text-align: center;">None</p> | | 17. LANDMARKS <p style="text-align: center;">None</p> | | 18. OTHER ALONGSHORE PHYSICAL FEATURES <p style="text-align: center;">X</p> | | 19. OTHER ALONGSHORE CULTURAL FEATURES <p style="text-align: center;">X</p> | |
| PHYSICAL FEATURES | | | | | | | |
| 20. WATER FEATURES <p style="text-align: center;">X</p> | | | | 21. NATURAL GROUND COVER <p style="text-align: center;">X</p> | | 22. PLANETABLE CONTOURS <p style="text-align: center;">None</p> | |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS <p style="text-align: center;">None</p> | | 24. CONTOURS IN GENERAL <p style="text-align: center;">None</p> | | 25. SPOT ELEVATIONS <p style="text-align: center;">None</p> | | 26. OTHER PHYSICAL FEATURES <p style="text-align: center;">X</p> | |
| CULTURAL FEATURES | | | | | | | |
| 27. ROADS <p style="text-align: center;">X</p> | | 28. BUILDINGS <p style="text-align: center;">X</p> | | 29. RAILROADS <p style="text-align: center;">X</p> | | 30. OTHER CULTURAL FEATURES <p style="text-align: center;">X</p> | |
| BOUNDARIES | | | | | | | |
| 31. BOUNDARY LINES <p style="text-align: center;">X</p> | | | | 32. PUBLIC LAND LINES <p style="text-align: center;">None</p> | | | |
| MISCELLANEOUS | | | | | | | |
| 33. GEOGRAPHIC NAMES <p style="text-align: center;">X</p> | | | 34. JUNCTIONS <p style="text-align: center;">X</p> | | | 35. LEGIBILITY OF THE MANUSCRIPT <p style="text-align: center;">X</p> | |
| 36. DISCREPANCY OVERLAY <p style="text-align: center;">None</p> | | 37. DESCRIPTIVE REPORT <p style="text-align: center;">X</p> | | 38. FIELD INSPECTION PHOTOGRAPHS <p style="text-align: center;">X</p> | | 39. FORMS <p style="text-align: center;">X</p> | |
| 40. REVIEWER <p style="text-align: center;"><i>Lorita G. Harris</i></p> | | | | SUPERVISOR, REVIEW SECTION OR UNIT <p style="text-align: center;"><i>Edward Deal</i></p> | | | |
| 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:

Boom Slough
Brandstedt Slough
Crobked Slough
Erickson Island
Lake Ketchum
Milltown
Milltown Island
Old River
Steamboat Slough
Tom Moore Slough


Geographic Names Section
27 February 1963

Review Report
Shoreline Surveys
T-11594 through T-11600
April 1964

61. General Statement

These are seven (7) 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-1253 | 1:10,000 | 1871 |
| T-2011 | 1:20,000 | 1888 |
| T-2156 | 1:20,000 | 1889 |
| T-6685a | 1:10,000 | 1939 |
| T-6768 | 1:10,000 | 1940 |
| T-6769 | 1:10,000 | 1940 |

Cultural and shoreline changes have been continuous with extensive cultural changes in Oak and Crescent Harbors on Whidbey Island. These maps are to supersede the above surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies:

| | | |
|----------------|----------|------|
| Deception Pass | 1:62,500 | 1951 |
| Utsolady | 1:24,000 | 1956 |
| Conway | 1:24,000 | 1956 |

There are some 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 |

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

65. Comparison with Nautical Charts

| | | |
|----------|----------|---------------------------|
| 6404 | 1:10,000 | 1952 revised to Mar. 1961 |
| 6450 | 1:80,000 | 1961 revised to Oct. 1963 |
| 184 S.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 L. Luman
Chief, Photogrammetric Branch

J. W. Hughes 7/10/64
Chief, Photogrammetry Division

