

11599

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Diag. Cht. No. 6450-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Shoreline (Photogrammetric)</u>	
Field No. <u>Ph-5905</u>	Office No. <u>T-11599</u>
LOCALITY	
State <u>Washington</u>	
General locality <u>Camano Island</u>	
Locality <u>Skagit Bay</u>	
<u>1959-1960</u>	
CHIEF OF PARTY	
<u>Lorne G. Taylor and Fred Natella</u>	
LIBRARY & ARCHIVES	
DATE <u>July 1964</u>	

USCOMM-DC 5087

11599

DESCRIPTIVE REPORT - DATA RECORD

T - 11599

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):

1962
FEB 10 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): SPIT 2 1924

Lat.: 48° 15' 32.816"

Long.: 122° 25' 19.925"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

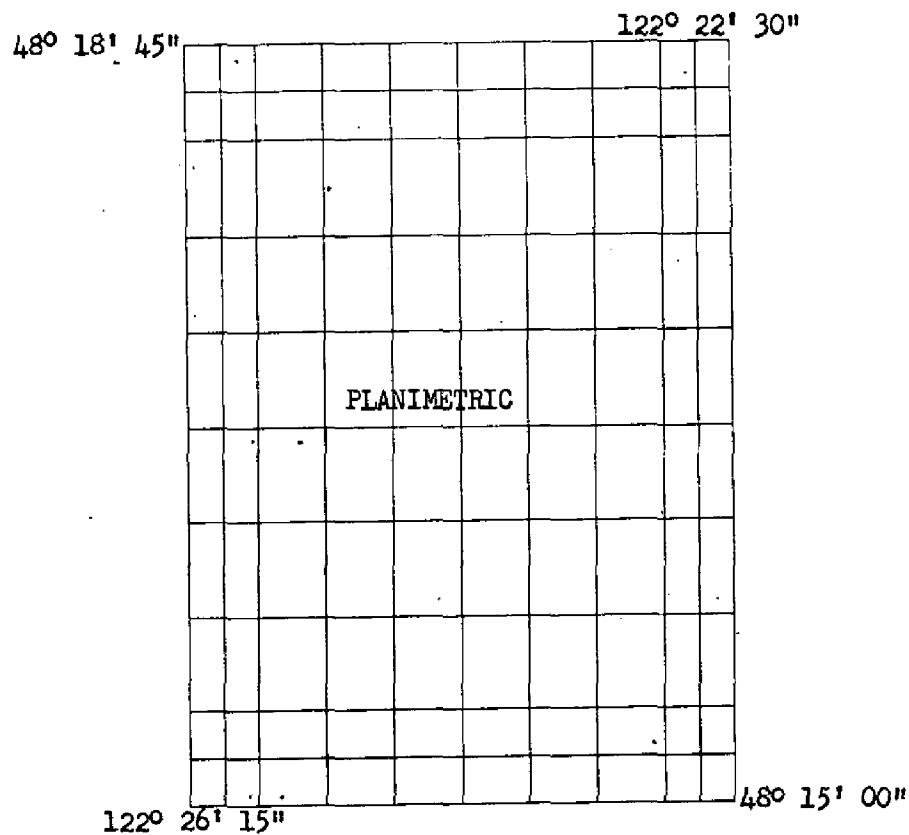
Y= 463,284.94

X= 1,612,980.52

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
& R. B. Melby Date: July & Aug. 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 and 7-13-60 by field inspection and graphic compilation.

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): 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): J. L. Harris Date: 4-12-61

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

Manuscript delineated by (III):
C. H. Bishop, Rough Draft Date: 5-10-61
J. L. Harris, Scribing 10-9-61
C. C. Harris, Stick-up 12-20-61

Photogrammetric Office Review by (III):
C. C. Harris, Rough Draft Date: 6-12-61
J. E. Deal, Advance 12-28-61

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): C&GS Single lens "L" and 9 lens.

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
60012 thru 60014	9-9-59	08:59	1:10,000	8.9 ft. above M.L.L.W.
60087	"	09:49	"	9.2 ft. above M.L.L.W.
60-L-9570 thru 9573	4-16-60	13:50	1:30,000	0.8 ft. below 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): 2.6
Shoreline (More than 200 meters to opposite shore) (III): 3.5
Shoreline (Less than 200 meters to opposite shore) (III): 0.5
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 4 Recovered: 1 Identified: 1
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): None

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11599

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-11599

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).

None

COMM-DC-57843

RIKE OUT TWO

NONFLOATING AIDS DISCOUNTS FOR CHARTS

Portland, Oregon 9 Oct. 1961

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by J. L. Harris

Fred Natella *Chief of Party.*

This form shall be prepared in accordance with Hydrographic Manual, Publication 20-2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

*** TABULATE SECONDS AND METERS**

COMPILATION REPORT

Map Manuscript T-11599

Project Ph-5905

Items 31 thru 36:

Refer to the Descriptive Report for T-11598 (1960).

All facts are alike for T-11599 except that under Item 32 one triangulation station was recovered and identified.

37. Landmarks and Aids:

Form 567 is submitted for one fixed aid to navigation which was not considered to be a permanent structure and it was located by graphic methods.

38. Control for Future Surveys:

None other than mentioned in Item 37.

39. Junctions:

Satisfactory junctions were made with T-11592 on the north, T-11598 on the west, T-11600 on the east and T-11607 on the south.

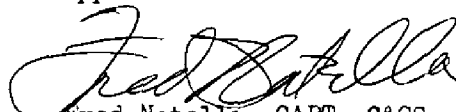
Items 40, 46 and 47:

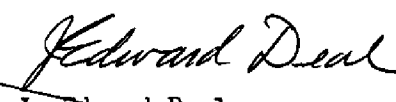
Same as T-11598 except for under Item 47, Comparison with Nautical Charts". On the manuscript just north of Tom Moore Slough a "Pile trestle in ruins" is shown. On Nautical Chart No. 6450 this feature is shown as a "dike". Upon request of this

office the field inspector made a special visit to the structure and he verified that the feature is correctly shown on the manuscript.

Approved:

Respectfully submitted:


Fred Natella, CAPT, C&GS
Portland District Officer


J. Edward Deal
Cartographer

49. Notes to the Hydrographer:

Refer to facts relative to tidal flats in Skagit Bay which are included in the Descriptive Report for T-11598 (1960).

One aid to navigation was located by graphic methods:

SKAGIT RIVER JETTY LIGHT, 1960

The scaled position is listed on Form 567 which is submitted.

T-11599

COMPILATION RECORD	COMPLETION DATE	REMARKS
4. Interior details added. Compilation complete.	12-28-61	

PHOTOGRAMMETRIC OFFICE REVIEW

T-10768 11599

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) X		7. PHOTO HYDRO STATIONS None
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 ALONGSHORE 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. REVIEWER <i>Leavitt C. Harris</i>		SUPERVISOR, REVIEW SECTION OR UNIT <i>Edward Deuel</i>	
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

Camano Island

Deerwater Slough

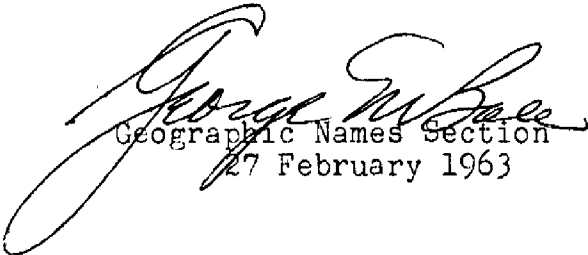
Douglas Slough

~~I~~tschhis Slough

Skagit Bay

Tom Moore Slough

West Pass


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 J. Lamm
Chief, Photogrammetric Branch

J. E. Wray
Chief, Photogrammetry Division
7/10/64

