

11618

only

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-11618
LOCALITY	
State	Washington
	Whidbey Island
General locality	Puget Sound
Locality	Baby Island Heights
1960	
CHIEF OF PARTY	
Lorne G. Taylor and Fred Natella	
LIBRARY & ARCHIVES	
DATE	September 1964

USCGM-DC 5087

11618

DESCRIPTIVE REPORT - DATA RECORD

T - 11618

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

Copy filed in Division of

Supplement 1 5 May 1960 II & III

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 30 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): SLIDE, 1943

Lat.: 48° 04' 30.399"

Long.: 122° 32' 45.207"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

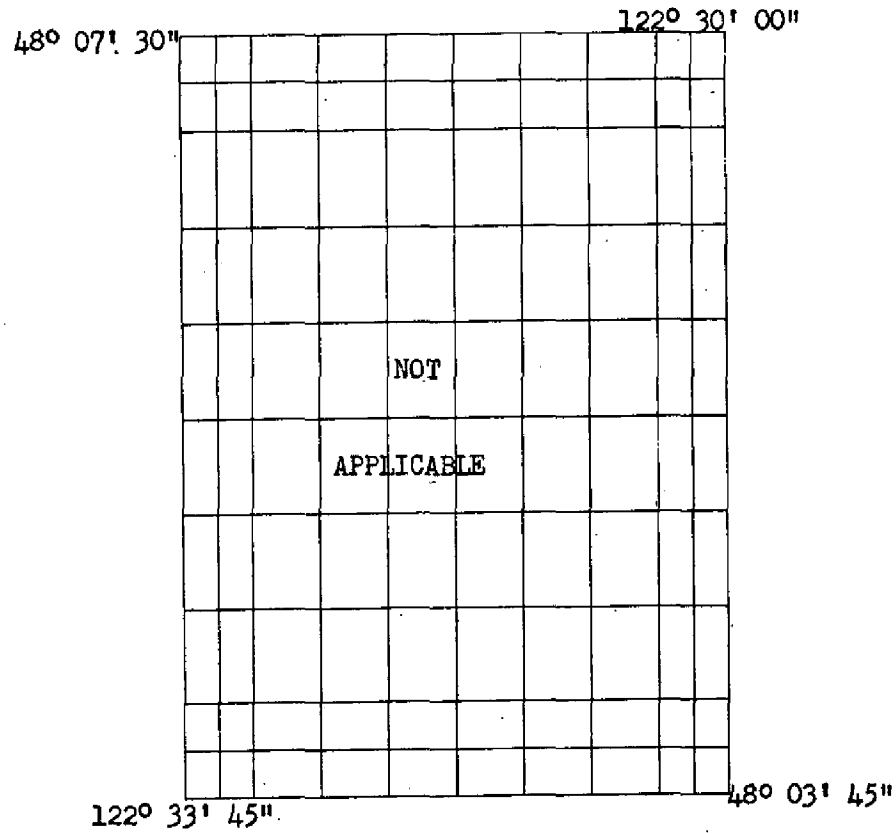
Y= 396,825.43

X= 1,581,363.22

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): W. V. Hull & L. F. Van Scoy, Shoreline Date: 6-8, 6-9, 6-16
W. V. Hull, Interior & 6-17-60
June & July 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-8, 6-9, 6-16 & 6-17-60 by field inspection and Kelsh Instrument compilation

Projection and Grids ruled by (IV): J. Keefer Date: 6-7-60

Projection and Grids checked by (IV): W. S. Date: 8-22-60

Control plotted by (III): J. L. Harris Date: 9-1-60

Control checked by (III): J. E. Deal Date: 9-2-60

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

Planimetry D. N. Williams Date: 10-20-60
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 11-17-60
C. C. Harris, Stick-up 12-27-60

Photogrammetric Office Review by (III): C. C. Harris, Rough Draft Date: 10-31-60
J. E. Deal, Advance 2-8-61

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. & G.S. Single lens "S"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
60-S-2472 & 2473	4-25-60	12:51	1:30,000	2.5 ft. above M.L.L.W.
60-S-2493	"	13:10	"	3.7 ft. above M.L.L.W.
60-S-2738 & 2739	4-26-60	11:50	"	At M.L.L.W.
60-S-2788	4-27-60	09:27	"	1.8 ft. above M.L.L.W.

Note: There are no photograph principal points shown on this manuscript, but all of the above photographs contain field inspection data for the manuscript. Flights on T-11617 and T-11619 were used for the compilation.

Tide (III)

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

Ratio of Ranges	Diurnal	
	Mean Range	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): 3.6

Shoreline (More than 200 meters to opposite shore) (III): 7

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 7

Recovered: 5

Identified: 3

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): 3

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11618

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-11618

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-11618

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 indicated by
field inspection. Drainage appearing on the U.S.G.S. 7½ minute
Freeland, Washington quadrangle was office identified and compiled.

Items 35 and 36:

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

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Three 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-11614 on the north,
T-11617 on the west, T-11619 on the east and T-11624 on the south.

40. Horizontal and Vertical Accuracy:

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

46. Comparison with Existing Maps:

Comaprison was made with U.S.G.S. 7½ minute Freeland, Washington quadrangle, Scale 1:24,000, Edition 1953.

47. Comparison with Nautical Charts:

Comaprison 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

Fred Natella
CAPT, C&GS
Portland District Officer

Respectfully submitted:

J. Edward Deal

J. Edward Deal
Cartographer
C&GS

49. Notes to the Nydrographer:

Three photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo No.</u>
1801	Witness tree at triangulation station BAY, 1943	60-S-2493
1802	Large boulder at base of bluff on beach about $1\frac{1}{2}$ miles north of Greenbank Store	60-S-2739
1803	V intersection of logs on beach	60-S-2739

PHOTOGRAMMETRIC OFFICE REVIEW

T-11618

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 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. C. C. Harris
Reviewer

J. E. 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:

Baby Island Heights

Dines Point

Hackney Island

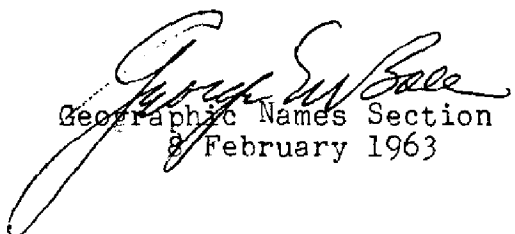
Holmes Harbor

Pratts Bluff

Rocky Point

Saratoga Passage

Whidbey Island


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 H. ...

Chief, Photogrammetric Branch Chief, Nautical Chart Division

M. E. Matte

Chief, Photogrammetry Division

Acting

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11618

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]