

# 11613

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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 Shoreline (Photogrammetric)

Field No. Ph-5905 Office No. T-11613

### LOCALITY

State Washington  
Whidbey Island  
General locality Puget Sound  
Locality Admiralty Bay

19 60

### CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

### LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

# 11613

DESCRIPTIVE REPORT - DATA RECORD

T - 11613

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 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): BOULDER (USE) 1920

Lat.: 48° 08' 52.937"

Long.: 122° 33' 58.756"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

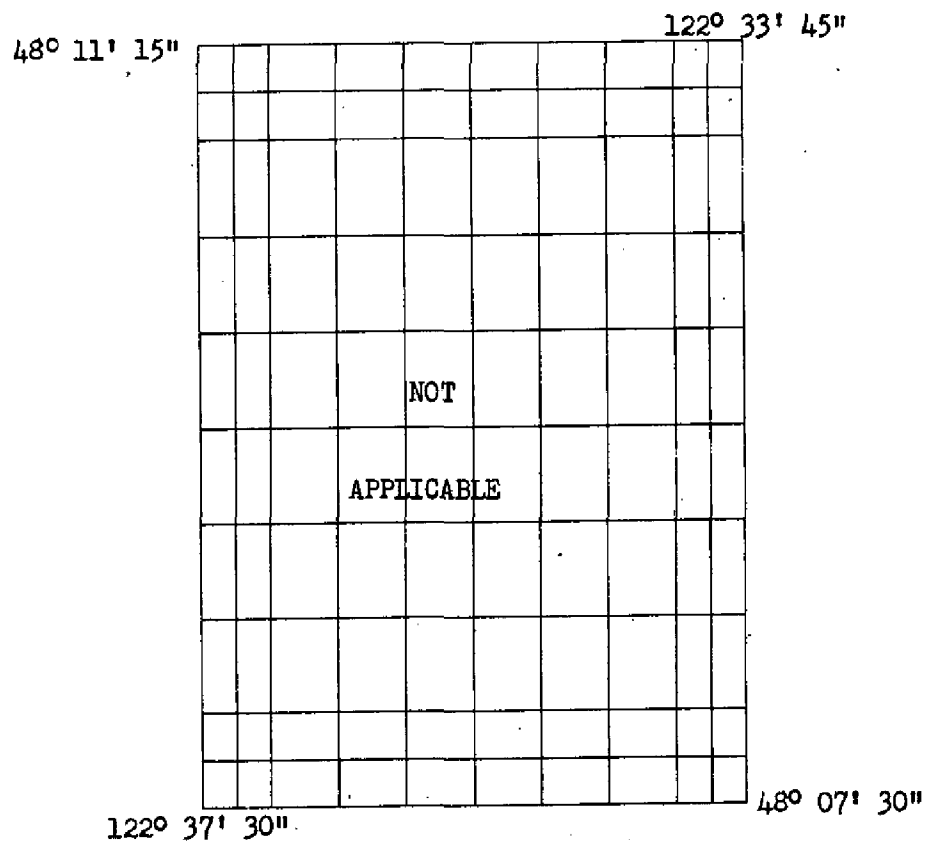
Y= 423,533.05

X= 1,576,958.87

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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: 6-7, 6-8 & 7-5-60  
W. V. Hull - Interior June 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 7 & 8 June 1960 for Saratoga Passage  
and 5 July 1960 for Admiralty Bay by field inspection and Kelsh Stereoscopic  
Instrument compilation.

Projection and Grids ruled by (IV): J. Keefer Date: 5-20-60

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

Control plotted by (III): L. L. Graves Date: 7-8-60

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: 10-19-60  
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing Date: 11-9-60  
C. C. Harris, Stick-up 11-30-60

Photogrammetric Office Review by (III): L. L. Graves, Rough draft Date: 11-1-60  
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. & G.S. Single lens "S"

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
60-S-2633 thru 2635	4-26-60	10:14		1:30,000	40.1 above M.L.L.W. Admiralty Bay Shoreline
60-S-2740 thru 2742	"	11:51		"	At M.L.L.W. Saratoga Passage Shoreline

## Tide (III)

Reference Station: Seattle, Washington  
 Subordinate Station: Port Townsend, Washington  
 Subordinate Station: Coupeville, Penn Cove, Washington  
 Subordinate Station: Admiralty Head, Washington

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.8	11.5
	5.2	8.4

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): 9.6  
 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: 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): 7

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11613

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-11613

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-11613

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:

Drainage was not indicated by field inspection. Reference to the U.S.G.S. 7½ minute Camano, Washington quadrangle indicated several drainage patterns. These were office identified and compiled. Two intermittent streams could not be definitely identified and therefore were not shown on the manuscript.

Items 35 and 36:

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

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

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

39. Junctions:

Satisfactory junctions were made with T-11604, on the north, T-11612 on the west, T-11614 on the east and T-11617 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:

N None.

Approved:

*Fred Natella*  
*by JED*  
 Fred Natella  
 CAPT, C&GS  
 Portland District Officer

Respectfully submitted:

*Edward Deal*  
 J. Edward Deal  
 Cartographer  
 C&GS

49. Notes to the Hydrographer:

Seven Photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo. No.</u>
1301	Stump on beach	60-S-2739
1302	Rock bares 3 feet at M.H.W.	60-S-2740
1303	East gable boat house	60-S-2740
1304	Offshore gable (white) garage south of house	60-S-2740
1305	Offshore gable of most northerly house	60-S-2740
1306	East end of log on beach	60-S-2741
1307	Large rock bares 15 feet at M.H.W.	60-S-2741

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 11613

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. L.L. Graves 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:

T-11613

48. Geographic Names:

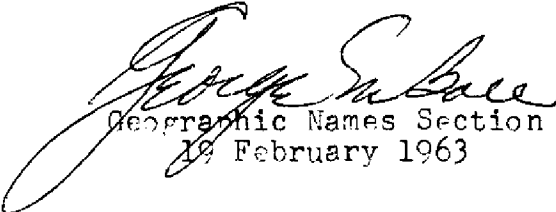
Admiralty Bay

Admiralty Inlet

North Bluff

Saratora Passage

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 J. Lewis  
Chief, Photogrammetric Branch

J. E. W. Langh 5/26/64  
Chief, Photogrammetry Division

