

# 11605

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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-11605

### LOCALITY

State Washington  
Saratoga Passage  
General locality Puget Sound

Locality Madrona Beach

1960

### CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

### LIBRARY & ARCHIVES

DATE September 1964

USCOMM-OC 5087

# 11605

DESCRIPTIVE REPORT - DATA RECORD

T - 11605

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. Hall

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 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): DYNES, 1954

Lat.: 48° 13' 30.996"

Long.: 122° 30' 07.690"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

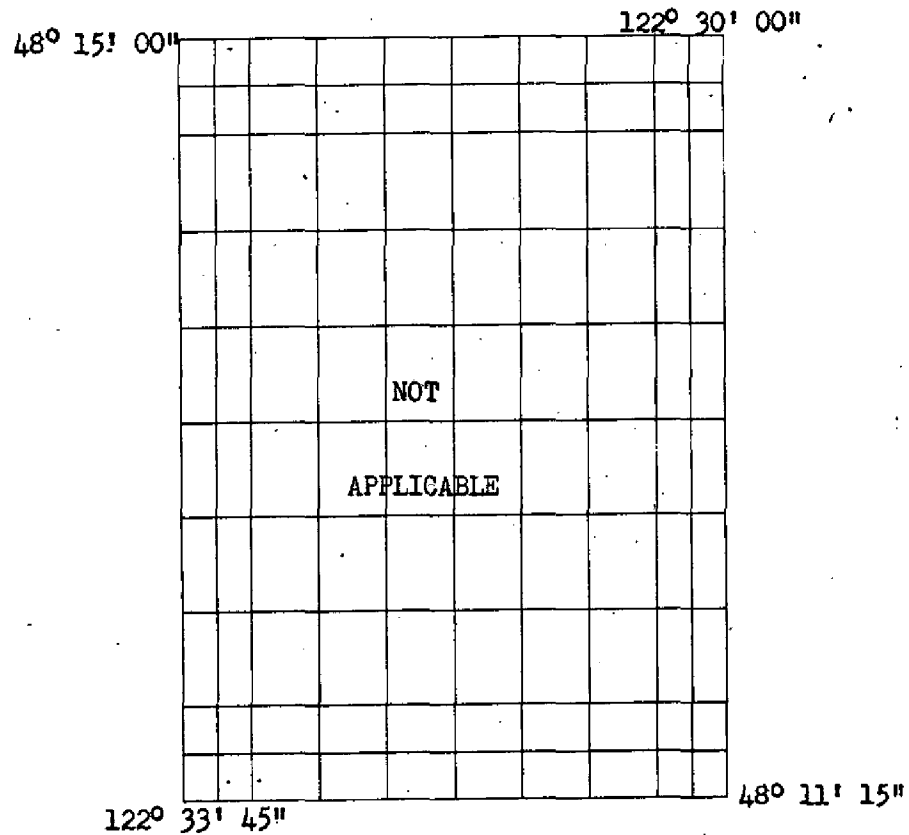
Y= 451,355.80

X= 15,593,245.19

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): L. F. Van Scoy, Shoreline  
W. V. Hull, Interior

Date: 6-2 & 6-3-60  
7-27-60

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Field inspection 6-2 and 6-3-60  
and Kelsh Stereoscopic Instrument Compilation.

Projection and Grids ruled by (IV): P. Dempsey

Date: 5-21-60

Projection and Grids checked by (IV): P. D.

Date: 5-21-60

Control plotted by (III): W. Jarman

Date: 6-23-60

Control checked by (III): J. E. Deal

Date: 6-24-60

Radial Plot or Stereoscopic

Control extension by (III):

W. A. Kuncis

Date:

6-9-60

Stereoscopic Instrument compilation (III):  
Planimetry D. N. Williams  
Contours L. L. Graves

Date: 9-21-60

Date:

Manuscript delineated by (III): L. L. Graves, Scribing  
C. C. Harris, Stick-up

Date: 10-31-60  
11-28-60

Photogrammetric Office Review by (III): L. L. Graves, Rough draft  
J. E. Deal, Advance

Date: 10-17-60  
2-6-61

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) Time	Scale	Stage of Tide
* 60-S-2498 & 2499	4-25-60	13:13	1:30,000	3.8 above M.L.L.W.
60-S-2773 thru 2775	4-27-60	09:12	"	3.5 above M.L.L.W.

\* Field inspection only.

Tide (III)

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

Diurnal		
Ratio of Ranges	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): 6.8

Shoreline (More than 200 meters to opposite shore) (III): 4

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 11

Recovered: 10

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): 11

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11605

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-11605

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*

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T-11605

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
ROCKWELL (USE) 1920	Wash.N. Pg. 290	N.A. 1927	446,030.34 1,584,728.68	1030.34 4728.68	(3969.66) (271.32)		314.0 1441.3	(1210.0) (82.7)	
BIRD, 1944	"	"	454,781.18 1,585,662.79	4781.18 662.79	(218.82) (4337.21)		1457.3 202.0	(66.7) (1322.0)	
DYNES, 1954	Wash.N. Pg. 270	"	451,355.80 1,593,245.19	1355.80 3245.19	(3644.20) (1754.81)		413.2 989.1	(1110.8) (534.9)	
<del>Sub Station "A"</del>	<del>Wash.N. Office Comp.</del>	<del>"</del>	<del>451,359.01 1,592,240.12</del>	<del>1359.01 2240.12</del>	<del>(3640.99) (1759.88)</del>		<del>414.2 987.6</del>	<del>(1109.0) (526.4)</del>	
Sub Station "B"	<del>"</del>	<del>"</del>	451,547.49 1,593,040.68	1547.49 3040.68	(3452.51) (1959.32)		471.7 926.8	(1052.3) (597.2)	
<del>Sub Station "C"</del>	<del>"</del>	<del>"</del>	<del>451,469.95 1,592,228.24</del>	<del>1469.95 3228.24</del>	<del>(3530.05) (1771.76)</del>		<del>448.0 984.0</del>	<del>(1076.0) (540.0)</del>	
MARKER, 1954	Wash.N. Pg. 274	"	438,881.32 1,591,626.99	3881.32 1626.99	(1118.68) (3373.01)		1183.0 495.9	(341.0) (1028.1)	
Sub Station "A"	Wash. Office Comp.	"	438,883.1 1,591,668.1	(3883.1 1668.1	(1116.9) (3331.9)		1183.6 508.4	(340.4) (1015.6)	
Sub Station "B"	"	"	438,784.8 1,591,970.9	3784.8 1970.9	(1215.2) (3029.1)		1153.6 600.7	(370.4) (923.3)	
									9

1 FT. = 3048006 METER

COMPUTED BY: J.E.D.  
J.L.H.

DATE

6-21-60  
7-7-60CHECKED BY: W.O.J.  
J.E.D.

DATE

6-23-60  
7-8-60

COMM-DC-57843



## COMPILATION REPORT

Map Manuscript T-11605

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. No drainage was indicated by field inspection. Three pieces of drainage shown on the U.S.G.S. 7½ minute Camano, Washington quadrangle were 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:

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

39. Junctions:

Satisfactory junctions were made with T-11597 on the north, T-11604 on the west junctions at a water area, T-11606 on the east, and T-11614 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.

None.

Approved:

*Fred Natella*  
*EJ JED*

Fred Natella  
CAPT, C&GS  
Portland District Officer

Respectfully submitted:

*J. Edward Deal*

J. Edward Deal  
Cartographer  
C&GS

49. Notes to the Hydrographer:

Eleven photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo. No.</u>
0501	Marine railway at end of pier	60-S-2500
0502	Signal located by angle and distance measurement "MOO"	60-S-2500
0503	Signal located by angle and distance measurement "PIE"	60-S-2500
0504	Small white 4' x 4' building 8' high at southwest corner pier	60-S-2499
0505	Offshore gable house (Camp Lagoon)	60-S-2499
0506	Center of round roof on west end of large brick house	60-S-2499
0507	Small white house on end of pier	60-S-2499
0508	Southwest corner of large green house	60-S-2498
0509	Southwest corner of small white trim house	60-S-2498
0510	Small boat pier	60-S-2499
0511	Chimney on large green house	60-S-2498

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 11605

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:

48. Geographic Names:

Camano Island

Camp Grande

Camp Lagoon

Carp Lake

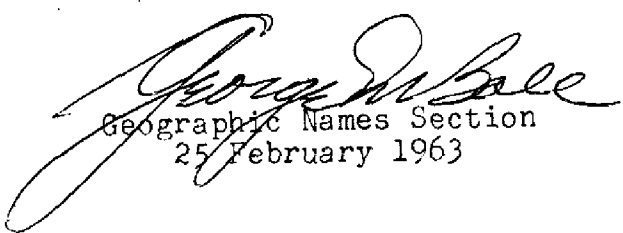
Madrona Beach

Rockaway Beach

Saratoga Passage

Sunset Beach

Woodland Beach

  
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
184 <del>185</del>	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 L. Lauer*  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*M. E. Netto*  
Chief, Photogrammetry Division  
*Acting*

