

11587

219.

Diag. Cht. No. 6380.

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-11587</u>
LOCALITY	
State <u>Washington</u>	
General locality <u>Strait of Juan De Fuca</u>	
Locality <u>Whidbey Island</u>	
<u>19 60</u> ✓	
CHIEF OF PARTY	
<u>Lorne G. Taylor & Fred Natella</u>	
LIBRARY & ARCHIVES	
DATE <u>September 1964</u>	

USCOMM-DC 5087

11587

DESCRIPTIVE REPORT - DATA RECORD

T - 11587

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
& Fred Natella

Instructions dated (II) (III): 10 Feb. 1960

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):

NOV 6 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): GOLF, 1951

Lat.: 48° 19' 24.890"

Long.: 122° 42' 00.541"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

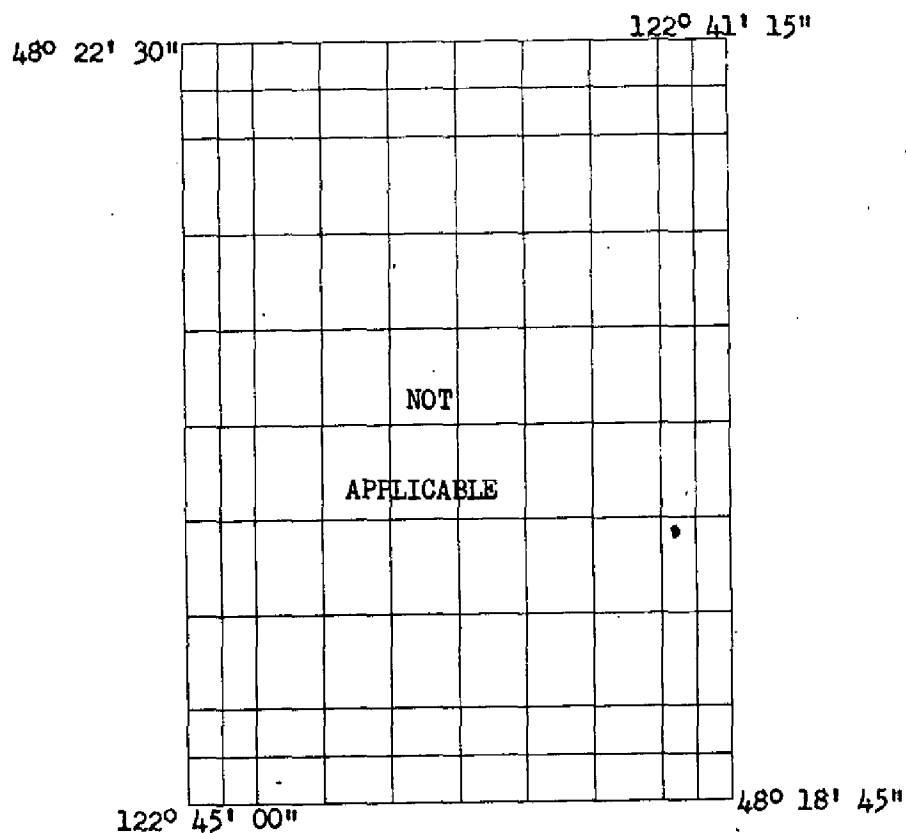
Y= 488,314.63

X= 1,545,859.91

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, Shoreline
W. V. Hull, Interior Date: 6-29-60
June 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 6-29-60 by field inspection
and compilation by Kelsh Instrument

Projection and Grids ruled by (IV): R.A.C. Date: 10-12-60

Projection and Grids checked by (IV): J.D.C. Date: 10-14-60

Control plotted by (III): D. N. Williams Date: 12-8-60

Control checked by (III): L. L. Graves Date: 12-9-60

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

Stereoscopic Instrument compilation (III): Planimetry D. N. Williams Date: 12-14-60
Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 1-24-61
C. C. Harris, Stick-up 6-26-61

Photogrammetric Office Review by (III): L. L. Graves, rough draft Date: 12-14-60
J. E. Deal, Advance 9-14-61

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS - Single lens Camera "S"**

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
60-S-2732 thru 2734	4-26-60	11:35	1:30,000	0.7' above M.L.L.W.

Note: The principal points of these photographs fall on adjoining map manuscripts.

Tide (III)

Reference Station: **Port Townsend, Washington**
Subordinate Station: **Reservation Bay, Fidalgo I.**
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	5.1	8.3
	4.5	7.6

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): **1.6**
Shoreline (More than 200 meters to opposite shore) (III): **2**
Shoreline (Less than 200 meters to opposite shore) (III): **None**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **2.3** Recovered: **11** Identified: **None**
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-11587

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 T11584

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11587

Project Ph-5905

Refer to Photogrammetric Plot Report (Stereoplanigraph Bridge)
Washington; Puget Sound, Whidbey and Camano Island, (1960) by
W. A. Kuncis. *Filed with Desc. Report T11584*

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

MAP T-11587

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
GOLF, 1951	Wash.N. 271	N.A. 1927	488,314.63	3314.63	(1685.37)		1010.3	(513.7)	
	"	"	1,545,859.91	859.91	(4140.09)		262.1	(1261.9)	
PONY, 1954	"	"	489,590.13	4590.13	(409.87)		1399.1	(124.9)	
	"	"	1,547,527.85	2527.85	(2472.15)		770.5	(753.5)	
POT (USN) 1952	Wash.N. 280	"	485,609.	609.	(4391.)		185.6	(1338.4)	
	"	"	1,546,411.	1411.	(3589.)		430.1	(1093.9)	
ANGLE PT. (USN) 1952	"	"	485,054.	54.	(4946.)		16.5	(1507.5)	
	"	"	1,546,990.	1990.	(3010.)		606.6	(917.4)	
WHIDBEY ISLAND NAS, AULT FIELD, RADIO TRANSMITTING POLE 1954	Wash.N. 275	"	484,467.74	4467.74	(532.26)		1361.8	(162.2)	
	"	"	1,547,345.06	2345.06	(2654.93)		714.8	(809.2)	
FINGER, 1939	Wash.N. 271	"	489,929.18	4929.18	(70.82)		1502.4	(21.6)	
	"	"	1,546,251.06	1251.06	(3748.94)		381.3	(1142.7)	
B 15, 1952	Wash.N. 280	"	484,375.11	4375.11	(624.89)		1333.5	(190.5)	
	"	"	1,548,242.37	3242.37	(1757.63)		988.3	(535.7)	
B 13, 1952	"	"	486,014.36	1014.36	(3985.64)		309.2	(1214.8)	
	"	"	1,548,287.67	3287.67	(1712.33)		1002.1	(521.9)	
B 12, 1952	"	"	487,256.04	2256.04	(2743.96)		687.6	(836.4)	
	279	"	1,548,342.24	3342.24	(1657.76)		1018.7	(505.3)	
FIRE, 1951	"	"	489,604.61	4604.61	(395.39)		1403.5	(120.5)	
	"	"	1,548,346.86	3346.86	(1653.14)		1020.1	(503.9)	
* P. I (USN) 1952	Wash.N. 280	"	486,262.31	1262.31	(3737.69)		384.8	(1139.2)	(9)
	"	"	1,546,961.56	1961.56	(3038.44)		597.9	(926.1)	
*Note: This station is listed as "P. I." on the description and "P 1" on page 280, Washington N. State Coordinates and in new Washington Index.									

1 FT. = 3048006 METER

COMPUTED BY: C.H.B.

DATE 9-2-60

CHECKED BY: J.L.H.

DATE 9-16-60

COMM-DC-57643

COMPILATION REPORT

Map Manuscript T-11587

Project Ph-5905

31. Delineation:

The Kelsh Instrument was used to compile the planimetric details.

Items 32 thru 35:

Refer to the Descriptive Report for T-11588 (1960).

36. Offshore Details:

None.

37. Landmarks and Aids:

None

38. Control for Future Surveys:

None.

39. Junctions:

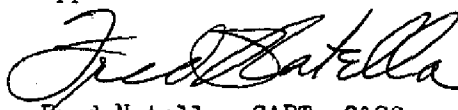
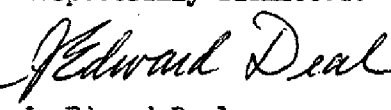
Satisfactory junctions were made with T-11588 on the east and T-11595 on the south. To the north and west is the Strait of Juan De Fuca.

Items 40, 46 and 47:

Refer to the Descriptive Report for T-11588 (1960).

Approved:

Respectfully submitted:

 
Fred Natella, CAPT, C&GS J. Edward Deal
Portland District Officer Cartographer

49. Notes to the Hydrographer:

None.

T- 11587

COMPILATION RECORD	COMPLETION DATE	REMARKS
4. Interior details added Compilation complete	Sept. 14, 1961	

PHOTOGRAMMETRIC OFFICE REVIEW

T-11587

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 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 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 X 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 X40. _____
Reviewer J. Edward 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

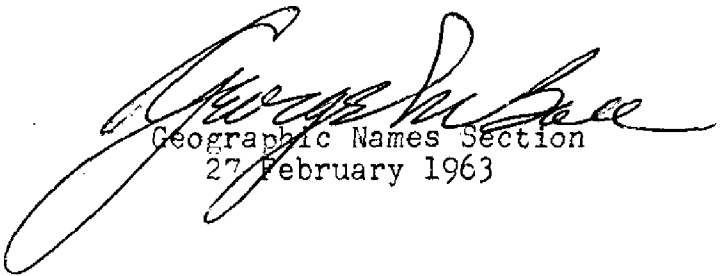
43. Remarks:

T-11587

48. Geographic Names:

Strait of Juan de Fuca

Whidbey Island .



Geographic Names Section
27 February 1963

Review Report
Shoreline Surveys
T-11584 thru T-11593
May 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-1252	1:10,000	1871
T-2156	1:20,000	1889
T-2856	1:20,000	1908
T-6684b	1:10,000	1939
T-6685a&b	1:10,000	1939
T-6686	1:10,000	1939
T-6687	1:5,000	1939
T-6689	1:5,000	1939
T-6769	1:10,000	1940

Agreement with the above surveys is in general fair. There are many differences most of which are due to natural changes, but the general picture presented by the above surveys are reasonably similar to that of the present surveys. The above surveys are to be superseded for the common area.

63. Comparison with Maps of Other Agencies

Deception Pass	1:62,500	1951
Utsalady	1:24,000	1956
Conway	1:24,000	1956

There are small cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

See item 47.

66. Accuracy of Results and Future Surveys

These surveys comply with instructions and meet the National Standard of Map Accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Tamm
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waugh 7/27/64
Chief, Photogrammetry Division

