

11595

Dring

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-11595

LOCALITY

State Washington
Saratoga Passage
General locality Puget Sound
Locality Oak Harbor

19 60

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE July 1964

USCOMM-DC 5087

11595

DESCRIPTIVE REPORT - DATA RECORD

T 11595

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Photogrammetric Office (III): Portland, Oregon

Sub Unit: John C. Lajoie & Wesley V. Hall

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):

DATE RECEIVED 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): BASE (NAS) 1951

Lat.: 48° 16' 57.886"

Long.: 122° 37' 33.400"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

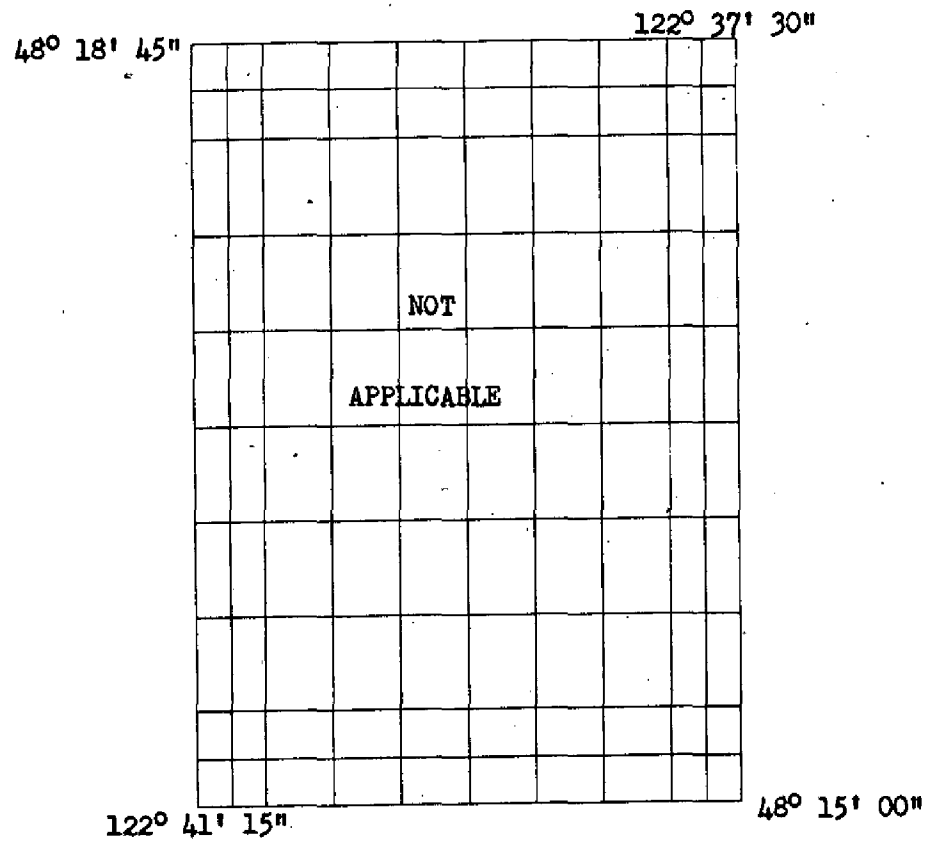
Y= 472,993.20

X= 1,563,561.66

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):	Wesley V. Hull, Shoreline Wesley V. Hull, Interior	Date: 6-2 & 6-9-60 June 1960
Planetable contouring by (II):		Date:
Completion Surveys by (II):		Date:
Mean High Water Location (III) (State date and method of location): 6-2 and 6-9-60 by field inspection and Kelsh Instrument Compilation.		
Projection and Grids ruled by (IV):	J. E. T.	Date: 5-4-60
Projection and Grids checked by (IV):	W. S.	Date: 5-4-60
Control plotted by (III):	J. E. Deal C. C. Harris	Date: 6-14 & 24-60 10-13-60
Control checked by (III):	D. N. Williams J. E. Deal	Date: 6-15 & 25-60 10-14-60
Radial Plot or Stereoscopic Control extension by (III):	C. A. Kuncis	Date: June 1960
Stereoscopic Instrument compilation (III):	Planimetry D. N. Williams Contours	Date: 9-23-60 Date:
Manuscript delineated by (III):	L. L. Graves, Scribing C. C. Harris, Stick-up	Date: 10-27-60 12-8-60
Photogrammetric Office Review by (III):	C. C. Harris, Rough Draft J. E. Deal, Advance	Date: 10-12-60 2-13-61
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): U.S.C. & G.S. SINGLE LENS "S"

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
60-S-2647 & 2648	4-26-60	10:30	1:30,000	0.1 ft. above M.L.L.W.
60-S-2720 thru 2723	"	11:25	"	0.3 ft. above M.L.L.W.
60-S-2745 & 2746	"	11:54	"	0.9 ft. above M.L.L.W.

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): **11**
Shoreline (More than 200 meters to opposite shore) (III): **6**
Shoreline (Less than 200 meters to opposite shore) (III): **None**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **34** Recovered: **26** Identified: **4**
Number of BMs searched for (II): **1** Recovered: **1** Identified: **1**
Number of Recoverable Photo Stations established (III): **None**
Number of Temporary Photo Hydro Stations established (III): **4**

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11595

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-11595

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. 11595

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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)	
A-1, 1952	Wash.N. Pg.277	N.A. 1927	482,485.22	2485.22	(2514.78)		757.5	(766.5)	
Sub Station	WASH. OFFICE	"	1,563,102.08	3102.08	(1897.92)		945.5	(578.5)	
	COMP.	"	482,449.0	2449.0	(2551.0)		746.5	(777.5)	
OAK HARBOR	Wash.N. Pg.275	"	1,562,982.3	2982.3	(2017.7)		909.0	(615.0)	
		"	476,228.86	1228.86	(3771.14)		374.6	(1149.4)	
WATER TANK, 1944	Wash.N. Pg.275	"	1,558,796.01	3796.01	(1203.99)		1157.0	(367.0)	
		"	469,377.49	4377.49	(622.51)		1334.3	(189.7)	
GREEN (barn ventilator), 1944	" Pg.292	"	1,561,457.28	1457.28	(3542.72)		444.2	(1079.8)	
	"	"	467,785.65	2785.65	(2214.35)		849.1	(674.9)	
OAK HARBOR LIGHT 1, 1951	Pg.275	"	1,559,158.73	4158.73	(841.27)		1267.6	(256.4)	
OAK HARBOR LIGHT 3, 1951	" Pg.276	"	471,328.70	1328.70	(3671.30)		405.0	(1119.0)	
	"	"	1,557,434.14	2434.14	(2565.86)		741.9	(782.1)	
KELP, 1944	" Pg.274	"	464,956.88	4956.88	(43.12)		1510.9	(113.1)	
	"	"	1,557,491.60	2491.60	(2508.40)		759.4	(764.6)	
OAK HARBOR, HOUSE, South Cable, 1951	" Pg.276	"	473,481	3481	(1519)		1061.0	(463.0)	
	"	"	1,556,236	1236	(3764)		376.7	(1147.3)	
BLOWERS BLUFF KLOOTCHMAN ROCK, 1951	" Pg.276	"	461,291.68	1291.68	(3708.32)		393.7	(1130.3)	
	"	"	1,556,759.44	1759.44	(3240.56)		536.3	(987.7)	
MAYLOR 3, 1954	" Pg.273	"	467,623.63	2623.63	(2376.37)		799.7	(724.3)	
	"	"	1,562,573.58	2573.58	(2426.42)		784.4	(739.6)	
WHIDBEY ISLAND NAS, OAK HARBOR, ADMINI- STRATION BLDG., FLAGPOLE, 1951	" Pg.276	"	475,344.00	344	(4656)		104.9	(1419.1)	
	"	"	1,562,374.00	2374	(2626)		723.6	(800.4)	

1 FT. = 3048006 METER

COMPUTED BY: J.L.H.
J.E.D.DATE 6-13-60
6-22-60CHECKED BY: J.L.H.
J.E.D.DATE 6-14-60
6-22-60

COMM-DC-57643

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

MAP T-11595

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR

None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -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)	
BASE (NAS) 1951	Wash.N.	N.A.	472,993.20	2993.20	(2006.80)		912.3	(611.7)	
	Pg.275	1927	1,563,561.66	3561.66	(1438.34)		1085.6	(438.4)	
C-4, 1952	"	"	482,194.04	2194.04	(2805.96)		668.7	(855.3)	
	Pg.281	"	1,553,607.93	3607.93	(1392.07)		1099.7	(424.3)	
C-5, 1952	"	"	482,406.97	2406.97	(2593.03)		733.6	(790.4)	
	Pg.281	"	1,554,413.78	4413.78	(586.22)		1345.3	(178.7)	
C-6, 1952	"	"	480,305.39	305.39	(4694.61)		93.1	(1430.9)	
	Pg.282	"	1,556,289.90	1289.90	(3710.10)		393.2	(1130.8)	
C-9 (City) 1952	"	"	478,973.07	3973.07	(1026.93)		1211.0	(313.0)	
	Pg.281	"	1,556,274.63	1274.63	(3725.37)		388.5	(1135.5)	
CORAL (NAS) 1951	"	"	475,369.98	369.98	(4630.02)		112.8	(1411.2)	
	Pg.275	"	1,563,074.71	3074.71	(1925.29)		937.2	(586.8)	
DOME 1951	"	"	477,358.36	2358.36	(2641.64)		718.8	(805.2)	
	Pg.273	"	1,562,779.05	2779.05	(2220.95)		847.1	(676.9)	
NAVY 1951	"	"	468,371.09	3371.09	(1628.91)		1027.5	(496.5)	
	Pg.274	"	1,561,673.83	1673.83	(3226.17)		510.2	(1013.8)	
OH-4 (USE) 1952	"	"	482,303.73	2303.73	(2696.27)		702.2	(821.8)	
	Pg.282	"	1,556,619.24	1619.24	(3380.76)		493.5	(1030.5)	
WHIDDEY ISLAND NAS, OAK HARBOR PATROL Transmitting Mast 1954	"	"	471,952.41	1952.41	(3047.59)		595.1	(928.9)	
	Pg.275	"	1,563,019.28	3019.28	(1980.72)		920.3	(603.7)	
MAYLOR 4, 1960	Office	"	467,707.65	2707.65	(2292.35)		825.3	(698.7)	
	Comp.	"	1,562,565.06	2565.06	(2434.94)		781.8	(742.2)	
NAVY 2, 1960	"	"	468,413.51	3413.51	(1586.49)		1040.4	(483.6)	
	"	"	1,561,693.29	1693.29	(3306.71)		516.1	(1007.9)	

1 FT. = 3048006 METER

COMPUTED BY: C.H.B.

DATE 9-13-60

CHECKED BY: J.L.H.

DATE 9-20-60

COMM-DC-57843

COMPILATION REPORT

Map Manuscript T-11595

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.

Map of U. S. Naval Air Station, Whidbey Island, Washington,
dated 1 Dec. 1953, Scale 1 inch = 1000 feet.

34. Contours and Drainage:

Contours are not applicable. One drainage area was identified by field inspection. The U.S.G.S. 15 minute Deception Pass, Washington quadrangle does not show any additional drainage.

Items 35 and 36:

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

37. Landmarks and Aids:

Forms 567 are submitted for one landmark and two aids to navigation. These were previously located by triangulation methods.

38. Control for Future Surveys:

Four 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-11588 on the north, T-11594 on the west, T-11596 on the east and T-11603 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. 15 minute Deception Pass, Washington quadrangle, Scale 1:62,500, Edition of 1951.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6404, Scale 1:10,000, 1st edition Aug. 1943, corrected through Sept. 26, 1959, and 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
for Fred Natella
CAPT, C&GS
Portland District Officer

Respectfully submitted:

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

49. Notes to the Hydrographer:

Four photo-hydro stations were located by Kelsh Instrument.

<u>Number</u>	<u>Description</u>	<u>Field Photo. No.</u>
9501	End of piling	60-S-2721
9502	North ventilator of 2 atop dingey yellow building	60-S-2721
9503	East gable of building on pier	60-S-2722
9504	West gable of building on pier	60-S-2722

OAK HARBOR SCHOOL DISTRICT NO. 201

1250 Midway Boulevard
OAK HARBOR, WASHINGTON

OAK HARBOR HIGH SCHOOL
OAK HARBOR JUNIOR HIGH SCHOOL

OAK HARBOR ELEMENTARY SCHOOL
CLOVER VALLEY ELEMENTARY SCHOOL
OLYMPIC VIEW ELEMENTARY SCHOOL

February 15, 1961

Coast and Geodetic Survey

Photogrammetric Unit

405 Custom House

Portland 9, Oregon

Dear Sir;

The enclosed sketch you sent us is correct. All the buildings shown are being used for class rooms.

Sincerely,

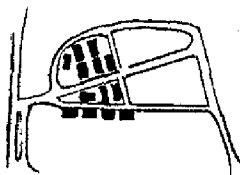
Gary Patrick

Gary Patrick, Principal

Olympic View Elementary School

nk

North



PHOTOGRAMMETRIC OFFICE REVIEW

T- 11595

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 X 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 X 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 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:

Blowefs Bluff

Maylor Point

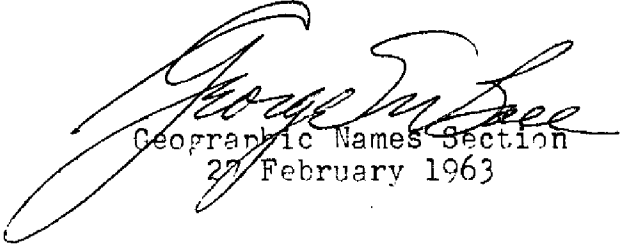
Oak Harbor (settlement)

Oak Harbor

Saratoga Passage

Scenic Heights

Whidbey Island


Geographic Names Section
22 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 H. Hauer
Chief, Photogrammetric Branch

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

