11602

11602

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-11602

LOCALITY

State Washington

General locality Puget Sound

Locality Penn Cove

1960

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 11602

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Sub Unit: John C. Lajoye & Wesley V. Hui

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:

1:6000

Kelsh Pantograph Scale:

1:10,000

Scale Factor (III):

Mar 30 1981

Date received in Washington Office (IV):

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):

PENN, 1944

Lat.:

480 121 57.916"

ong.: 122° 421 16.161"

Adjusted X

Unadjusted

Plane Coordinates (IV):

State: Washington

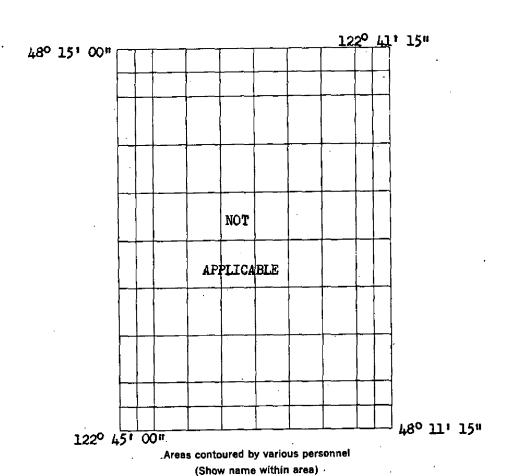
Zone: North

Y = 449.139.15

x = 1,543,851,26

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.



(II) (III)

COMM- DC- 57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Wesley V. Hull - Shoreline

L. F. Van Scoy - Shoreline Wesley V. Hull - Interior Date: June & Aug. 1960 30 June 1960 June 1960

Planetable contouring by (II):

Date:

Completion Surveys by (Ii):

Date:

Mean High Water Location (III) (State date and method of location): June and August 1960 by field inspection and Kelsh Instrument Compilation.

Projection and Grids ruled by (IV): J. Keefer Date: 5-18-60

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

Control plotted by (III):

J. E. Deal & Date: 6-22-60

D. N. Williams 6-17-60

Control checked by (III):

J. E. Deal

D. N. Williams

Date: 6-17-60
6-22-60

Radial Plot or Stereoscopic Date:

Control extension by (III): W. A. Kuncis 6-9-60

Planimetry D. N. Williams Date: 8-18-60

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 9-22-60 C. C. Harris, Stick-up 1-23-61

Photogrammetric Office Review by (III): J. E. Deal, rough draft Date: 8-25-60

J. E. Deal, advance 2-2-61

Elevations on Manuscript

checked by (II) (III):

Date:

#0.3 above M.L.L.W.

Diurnal

Range

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): U.S.C.& G.S. Single lens "S"

		PHOTOGRAPHS (II	II)	
Number	Date	Time	Scale	Stage of Tide
	•			Penn Cove `
60-8-2631	4-26-60	10:11	1:30,000	0.4 above M.L.L.W.
60-S-2724	•		·	-0.2 below M.L.L.W.
thru 2726	4-26-60	11:26	11	-O.1 below M.L.L.W.
60-S-2729	4-26-60	11:33	Ħ	
				Admiralty Inlet

Tide (III)

Port Townsend for Admiralty Head

Reference Station:

Seattle for Penn Cove Subordinate Station: Coupeville, Penn Cove

Subordinate Station: Admiralty Head

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 8

Shoreline (More than 200 meters to opposite shore) (III): 9

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

Control Leveling - Miles (II):

Number of BMs searched for (II):

Number of Triangulation Stations searched for (II): 10

Recovered: 7

Recovered: 2

Identified: ldentified:

Ratio of

Ranges

Date:

Date:

Date:

Date:

Mean

Range

2 and 1 recovered Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III): 6

Remarks:

* Tidal Bench Marks

COMM- DC- 57842

FIELD INSPECTION REPORT

Map Manuscript T-11602

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-11602

Project Ph-5905

Refer to the combined Photogrammetric Plot Report (Stereo-planigraph 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

FORM 164 (4-23-54)

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

GOAST AND GEODETIC SURVEY DNTROL RECORD

FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS COMM- DC- 5784 (BACK) None FORWARD RIII Bec SCALE FACTOR DISTANCE FROM GGID OR PROJECTION LINE IN METERS 747.4) (4,77,6) (1332, 7)(262.4) (350,1) (818.5) 429.1) (1445.1) 392.5) 745.0) 857.3) (1045,2)(453.5) (933.6) 276.6) 335.4) (BACK) N.A. 1927 - DATUM FORWARD 478.8 776.6 779.0 846.6 191,3 705.5 4068 78,9 1261.6 1173.9 1070.5 1094.9 1131.5 1188,6 666.7 1247.4 DATUM SCALE OF MAP 1:10,000 CHECKED BY TO THE STATE (47.8,11) (1487.86)(2685,35) OR PROJECTION LINE IN METERS (1407,88) (40.0474)(2452.25)(1287.70)(2222,60) (3429.23)(4372.53)860.85) (2078.88)907.44) (2812.74) DISTANCE FROM GRID IN FEET. 2444.2) (1100.4)(BACK) FORWARD 2777.40 2921,12 258.96 3712,30 2187.26 4139.15 3851,26 2314,65 3592.12 1570,77 627.47 3512.14 4092,56 2547.75 2555.8 3899.6 LONGITUDE OR x-COORDINATE LATITUDE OR U-COORDINATE PROJECT NO. Ph-5905 1,547,777,40 449,139,15 1,543,851,26 447,921.12 1,544,092,56 458,592,12 1,540,258.96 442,547.75 1,538,712,30 457,187,26 1,540,627,47 453,512,14 1,537,314,65 456,570,77 1,538,899,6 442,555.8 111 1441 165 DATUM N.A. 1927 E = = = = Ξ SOURCE OF Wash.N. Wash. N. Pe. 292 Pg. 307 Office Pg. 308 Pe. 291 Pg. 291 Pg. 308 (INDEX) Comp. Pg. 291 MAP T- 11602 (USE) 1920 POWELL (USE) 1920 BARN CUPOLA 1944 LIBEY (USE) 1920 1 FT - 3048006 METER 2, 1944 STATION COMPUTED BY:.. SAN de FUCA Sub Station SPIT, 1940 PENN, 1944 MONROE BENSON

DATE.

DATE.

COMPILATION REPORT

Map Manuscript T-11602

Project Ph-5905

Items 31 and 32:

Refer to Compilation 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. A small piece of intermittent drainage shown on U.S.G.S 7½ Coupeville quadrangle was office identified and shown on the manuscript.

Items 35 and 36:

Refer to Compilation Report for T-11597.

37. Landmarks and Aids: .

Two landmarks were located by photogrammetric methods. Form 567 is submitted. There are no aids to navigation within the manuscript limits.

38. Control for Future Surveye:

The two landmarks and six photo-hydro stations located by Kelsh Instrument are listed under Item 49, Notes to the Hydrographer".

39. <u>Junctions:</u>

Satisfactory junctions were made with T-11597 on the north, T-11601 on the west, T-11603 on the east and T-11611 on the south.

40. Horizontal and Vertical Accuracy:

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

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 72 minute Coupeville, Washington quadrangle, Scale 1:24,000, Edition of 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 by Jl.

Fred Natella CAPT, C&GS Portland District Officer Respectfully submitted:

J. Edward Deal Cartographer

C&GS

49. Notes to the Hydrographer:

Forms 567 were submitted listing the scaled positions of two landmarks:

TOWER, 1960 (wood) abandoned Front Range TOWER, 1960 (wood) abandoned Rear Range

Six photo-hydro signals were located:

OIA	photo ngaro biganito wore investor	Field
Number	Description	Photo. No.
0201	East end of pile bulkhead. Easterly bulkhead of two	60-S-2724
0202	Chimney south end of house at beach level	60 -s- 2725
0203	South end of Concrete bulkhead	60-S-2725
0204	South gable of sawmill	60-S-2725
0205	Southeast corner pier	60-S-2724
0206	Cupola atop barn	60-S-2724

In addition TREE, 1940 was recovered and recovery note on Form 524 is submitted.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11602

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations then third-order accuracy (topographic stations) X 7. Photo hydro stations X 8. Bench marks 9. Piotting of sextant fixes None 10. Photogrammetric plot report X 11. Detail points X 12. Shoreline X 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges Notice 16 to navigation None 17. Landmarks X 18. Other alongahore physical features X 19. Other a shore cultural features X 19. Other according to the stations of the shore cultural features X 21. Natural ground cover X 22. Planetable contours None 23. Sterect instrument contours None 24. Contours in general None 25. Spot elsevations None 26. Other presented the stations of	· .	CONTROL STA	ATIONS	
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48. Geographic Names:

Admiralty Inlet

Coveland

Ebeys Landing

Ebeys Prairie

Kennedys Lagoon

Penn Cove

San de Fuca

Whidbey Island

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 T-1755 T-1994	a	1:10,000 1:20,000 1:20,000		1871 1886 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 erroded 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
н-8543	1:10,000	1960
н-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	
184 5.C .	1:80,000		•	1963
5C.		**		

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:

7 C Kance

Approved by:

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

Chief, Photogrammetry Division

Acting

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. _

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.

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