# 10843

10843

Diag. Cht. No. 6157.

#### Porm 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Shoreline:

Field No. Ph-5807 Office No. T-10843

LOCALITY

State Oregon and Washington:

General locality Columbia River

Locality Mitchell Point

## 1951-59

CHIEF OF PARTY
L.G.Taylor, Chief of Field Party
C.H.Bishop, Portland Photo. Office.

#### LIBRARY & ARCHIVES

DATE \_\_\_\_\_May 1962

USCOMM-DC 5087

#### DESCRIPTIVE REPORT - DATA RECORD

T - 10843

Project No. (II): Ph-5807

Quadrangle Name (IV):

Field Office (II): Hood River, Oregon

Chief of Party: Lorne G. Taylor

Unit Chief:

Charles H. Bishop

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor

Instructions dated (II) (III): Undated

Copy filed in Division of

Field & Office

Photogrammetry (IV)

Modification:

Letter 73/rrj, dated 9 March 1959 Letter 83/es, dated 12 March 1959

Letter 732/rrj, dated 21 May 1959

Method of Compilation (III): Kelsh Stereoscopic Instrument

Viewing Scale

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Pantograph Scale

None Scale Factor (III):

1:10,000

Date received in Washington Office (IV):

Geographic Datum (III): N.A. 1927

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 18 Supt 1961

Publication Scale (IV):

Publication date (IV):

Refer to datum pro-

Vertical Datum (III): file on manuscript

Mean sea level except as follows:

Elevations shown as (25) refer to mean high-water Elevations shown as (5) refer to sounding-datum-

From 72.0 ft. above M.S.L. at Bonne-ville Dam forebay and upstream at the gradient of Bonneville Pool as of the date of photography, 30 August 1958.

Reference Station (III): ORCHARD, 1957

450 421 17,710"

Long.: 121º 35' 57.031"

Adjusted X

Unadjusted

Plane Coordinates (IV):

State: Oregon

North Zone:

Y= 745,006.26

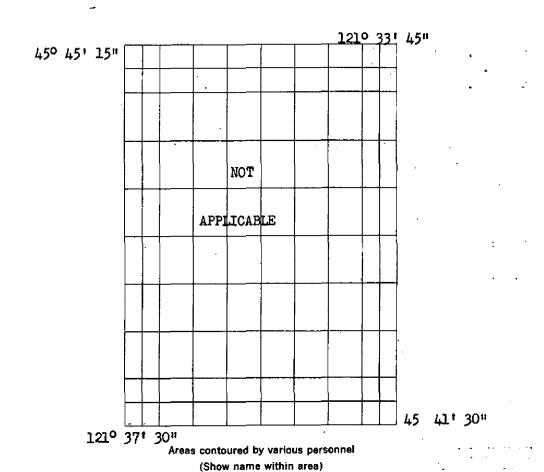
x= 1,719,187.33

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric 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



(II) (III)

COMM- DC- 57842

#### DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Robert B. Melby

Date: March & April

1959

Planetable contouring by (II):

Completion Surveys by (II):

Date:

Date:

Shoreline Manage Location (III) (State date and method of location): Located by field inspection on 3-4-59 on single lens ratio prints taken 30 August 1958 and delineated by Kelsh Stereoscopic Instrument from models of the same photography. The shoreline is the gradient of the Bonneville Dam Pool from 72.0 ft. normal pool level at the forebay and proceeding upstream at the pool gradient of 30 August 1958, the date of C&GS photography.

Projection and Grids ruled by (IV): P. J. Dempsey Date: 12-20-58

Projection and Grids checked by (IV): Shoup Date: 12–24–58

Control plotted by (III): L. L. Graves Date: 2-26-59

Control checked by (III): J. E. Deal Date: 2-27-59

Radial Plot or Stereoscopic George Ball Date: 2-11-59

Control extension by (III):

Planimetry D. N. Williams Date: 5-7-59
Stereoscopic Instrument compilation (III):

Contours Date:

Manuscript delineated by (III): J. L. Harris (Scribing) Date: 5-26-59

C. C. Harris (Stick-up) 8-4-59

Photogrammetric Office Review by (III): J. E. Deal Date: 8-21-59

Elevations on Manuscript checked by (II) (III):

tions on Manuscript

COMM- DC- 57842

Date:

Remarks:

## DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

Camera (kind or source) (III): USC&GS - Single lens 58-S

5.

		Bonneville Dam Pool		
Number	Date	Time	Scale	level - Forebay
58-S-7873A thru 7875A	8-30-58	10:18	1:30,000 (contact) 1:10,000 (ratio)	74.0 ft. above M.S.L

|Ratio of | Mean | Spring Ranges Range . Range Reference Station: Not Applicable Subordinate Station: Subordinate Station: Date: Washington Office Review by (IV): Date: / Drafting verified for reproduction by (IV): Date: Date: Proof Edit by (IV): Land Area (Sq. Statute Miles) (III): 11 Shoreline (More than 200 meters to opposite shore) (III): 6.0 Shoreline (Less than 200 meters to opposite shore) (III): None Control Leveling - Miles (II): Recovered: 12 Identified: 2 Number of Triangulation Stations searched for (II): 17 Identified: Number of BMs searched for (II): None Recovered: Number of Recoverable Photo Stations established (III): Number of Temporary Photo Hydro Stations established (III): None

Tide (III)

## TO ACCOMPANY SHORELINE MAP NAMESCRIPTA T-19837 Chrough T-18846

The ten (10) subject map manuscripts represent the prefer covers the delimine surveys of preject Pi-5807. The project covers the deliminis River and ediment land areas of freque and Maskington from Bonneville Sum eastward to the vicinity of Makery Dam. It was designed to mid in the revision of existing mentical charte and in the construction of new case from the Dallas mystrome to Senting. 7-10537 through T-10546 extend from Bonneville enstward to Rewland Lake.

A genrecolanigraph bridging plot of subject correct was done in the Machington Office in Pebruary 1950 (see pages 13 through 16 of Bescriptive Report 7-10837). The map manuscripts were scapiled by stemeoscopic instrument (Selah Flotber) in the Fortland Thotogrammetric Office from March to July 1999 from photography of August 1958 (place 5.3. Maginnesse photography of July 1997 and Banaswille Power Administration photography of July 1997 and results of field imagestion of Pabruary to April 1999.

The completed completions as submitted to the indiington Office are the result of adequately conibus shoets and mittable for the direct reproduction of registration copies.

A ergene film positive at the empilation scale of 1:10,000 and the Descriptive Report of each will be reginterps and filed in the Europe Archives.

August 1961

## FIELD INSPECTION REPORT

Map Manuscript T-10843

Project Ph-5807

Refer to the Field Inspection Report for T-10842 and T-10843 which is included in the Descriptive Report for T-10842 (1959).

#### PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10843

Project Ph-5807

Refer to the "Photogrammetric Plot Report, Columbia River, Project Ph-5807 (Stereoplanigraph Bridge)", manuscripts T-10837 thru T-10845. This report is included in the descriptive report for T-10837, pages 13 thru 16.

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DNTROL RECORD

ď Fg. 1 of

FACTOR DISTANCE - FROM GRID OR PROJECTION LINE IN METERS COMM. DC. 5784. (BACK) 9 SCALE FACTOR None FORWARD 4-29-59 12-5-58 FROM GRID OR PROJECTION LINE IN METERS 33.9) 580.5) 85.6) 249.4 (1087.3)(1101.7)799.8) (1156.4)851.6) 524.8) 528.9) (1522.1)247,7) (1470.5)233,3) 832.8) (1367.3)718,1) 102,2) (1356.1)465.2) (1348.9)(1138.6)(61.3) (BACK) N.A. 1927 - DATUM DATE. FORWARD 999.2) 385.4 1,9 422.3 724.2 367.6 805.9 167.9 995.1 175.1 53.5 436.7 672,4 156.7 1421.8 1438.4 1058.8 1276,3 1274.6 691,2 1062,7 1290.7 1490,1 943.5 DATUM SCALE OF MAP 1:10,000 снескер ву. Д. Д. Н. (4993.74)812,67) 111,21) (3567.13)2732,22) (3614,45)(1735,38)(1526.18)(4425,44) (3735,42)(1513.45)OR PROJECTION LINE IN METERS (4824.51)765,43) 818,25) (2624,12) (3793,90) (2793.88)335, 22)  $(44.9 \cdot 01)$ (1904.45)280.72) (1721.83)DISTÂNCE FROM GRID IN FEET. (BACK) 981711) (2356 FORWARD 6,26 4719,28 574.56 1264,58 3486.55 1187,33 175.49 4888,79 4181,75 1432,89 2267,78 1385,55 2375,88 1206,10 2206,12 4664.78 550,99 3095.55 3278,17 3264,62 3473,82 4234,57 514 2644 LONGITUDE OR x-COORDINATE LATITUDE OR y-COORDINATE PROJECT NO. Ph-5807 743.473.82 1,715,574,56 746,264,58 745,006,26 745,175,49 1,719,181,75 ,727,267,78 751,385,55 1,727,375,88 751,206,10 1,727,206,12 754,664.78 758,095,55 1,724,719,28 748,278,17 1,713,264,62 1,728,486,55 1,719,187,33 744,888,79 1,715,550,99 1,719,234.57 751,432,87 1,717,644 745,514 4-28-59 12-4-58 DATE.. DATUM N.A. 1927 = = = = = z = = = = SOURCE OF 275 Ore.No. Pg. 275 39 8 Pg. 277 (INDEX) = = Pge Pg. Pg. MITCHELL POINT 1939 COMPUTED BY J.E.D. T3N, RIOE, Sections 28 & 29, Iron Pipe MAP T- 10843 FRONT RANGE LIGHT Sub Station "A" Sub Station "B" Station "A" Sub Station "B" MITCHELL POINT 1 FT. = .3048006 METER SIDEHILL, 1939 ORCHARD, 1957 STATION (Wash), 1939 PHELPS, 1957 FLUME, 1939 DRANO, 1957 Ditto Ditto Ditto Ditto 1939 Sub



FORM **164** (4-23-54)

Pg. 2 of 2

U.S. DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

ONTROL R

COAST AND GEODETIC SURVEY
ONTROL RECORD

FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS COMM- DC- 57843 (BACK) FORWARD SCALE FACTOR None DATE 12-5-58 4-29-59 34.0) 554,7) (1311,5)361.4) 728.7) (1256.5)543.9) 64.2) 951,7) 443.7) (BACK) N.A. 1927-DATUM FORWARD 267.5 795.3 572,3 212.5 980,1 1162,6 1459.8 969.3 1490.0 1080.3 CORRECTION SCALE OF MAP 1:10,000 J.L.H. (1185.85)111,51) (2390,85) (4122.43) (1784.54)210,66) (3122,48)(4302,88) OR PROJECTION LINE IN METERS (1819.82)(1455.87)DISTANCE FROM GRID IN FEET. (BACK) CHECKED BY:... FORWARD 877.57 3180,18 3814,15 2609.15 3215,46 4789,34 1877,52 697,12 4888.49 3544.13 LONGITUDE OR x-COORDINATE LATITUDE OR V-COORDINATE PROJECT NO. Ph-5807 743,814,15 1,722,609,15 1,728,215,46 749,789,34 1,716,877,52 750,697,12 1,723,180,18 744,888.44 1,723,544,13 745,877.57 12-4-58 DATE.. DATUM 1927 N.A. = = = Ξ SOURCE OF 275 Ore.No. 28 Pg. 26 8 (INDEX) = = Pg Pg. Pg. Pg. COMPUTED BY. J.E.D. T3N,RIOE, Sections 27,28,33,34,Corner (U.S.E.) 1930 TUNNEL NO 4, 1939 TUNNEL NO 6, 1939 MAP T-10843 1 FT. = 3048006 METER STATION POST, 1939 RUTH, 1957



#### COMPILATION REPORT

#### Map Manuscript T-10843

#### Project Ph-5807

#### 31. Delineation:

The Kelsh Stereoscopic Instrument was used to compile the planimetry. The C&GS photography of 8-30-58 was adequate to compile planimetric details to the limits indicated on the project index.

In accordance with modified instructions planimetry was detailed only to Latitude 45° 44° because the stereoplanigraph control extension did not locate sufficient pass points to orient models of photographs 58-S-78374 thru 7839Å. Neither were Kelsh plates furnished for these photographs. The area not detailed is for the most part wooded.

Refer to the last paragraph under this heading in the descriptive report for T-10837.

#### 32. Control:

Refer to the Photogrammetric Plot Report (Stereoplanigraph Bridge) T-10837 thru T-10845 and to an appendix to this report submitted by the Portland Photogrammetric Office. These are included as part of the descriptive report for T-10837 (1959) pages 13 thru 17.

#### 33. Supplemental Data:

Seneca Fouts Memorial State Park was delineated from a plan furnished by the Oregon State Highway Commission showing state owned land along U. S. Highway 30. This plan is inadequate for accurate delineation and the limit lines shown on the manuscripts merely represent the area.

34 to 37

Facts relative to the subjects of Items 34 thru 37 are identical with those described under these paragraphs in the descriptive report for T-10837.

One exception is that under Item 34 the U.S.G.S. 15 minute quadrangle, Hood River, Washington-Oregon, Scale 1:62,500 published in 1957 was also available for comparison for drainage.

#### 38. Control for Future Surveys:

There are sufficient triangulation stations situated along the shorelines of the Columbia River for use in future surveys.

Triangulation station BARN WEST GABLE, 1939 which did not hold in the stereoplanigraph control extension was located by Kelsh Instrument methods as BARN WEST GABLE, 1959, a recoverable topographic station, in accordance with reference letter 73/rrj dated 25 May 1959.

#### 39. Junctions:

Satisfactory junctions were made on the east with T-10844 and on the west with T-10842. There are no contemporary surveys to the north and south.

#### 40 - 46 and 47:

Facts relative to the subjects of Items 40 - 46 and 47 are identical with those described under these paragraphs in the descriptive report for T-10837 (1959). An exception is that under Item 46, comparison was made with U.S.G.S. 15 minute Hood River, Washington-Oregon quadrangle, Scale 1:62,500 published in 1957.

Approved:

Dorne G. Tayfor

LCDR, C&GS

Officer-in-Charge

Respectfully Submitted:

J. Edward Deal Cartographer

C&GS

## 48. Geographic Names:

Columbia River
Columbia River Highway
Hood River County
Lewis & Clark Highway
Meno Siding
Mitchell Point
Oregon
Phelps Creak
Post Canyon
Ruthton
Seneca Fouts Memorial State Park
Skamania County
Spokane, Fortland & Seattle RR
Union Pacific RR
Washington

Geographic Names Section 6 July 1961

10843

#### 49. Notes to the Hydrographer:

No additional horizontal control for future surveys was located. BARN, WEST GABLE, 1959, was destroyed as a triangulation station and located again as a 1959 recoverable topographic station. Mitchell Point Range Rear Light, 1959 was located by the field unit by azimuth and stadia distance from triangulation station Mitchell Point Range Front Light 20, 1939. The angles and distance were plotted on the manuscript from the field notes.

## PHOTOGRAMMETRIC OFFICE REVIEW

## T- 10843

Buildings 2 32. Public land I 34. Junctions scriptive Report X	BOUNDARI Ines None  MISCELLANE  X 35. 1  38. Field in	X 30. Other 30.	manuscript graphs X ard Deal ervisor, Review	36. Dis 39. Forms _ w Section or Unit	x
Buildings 2 32. Public land I 34. Junctions scriptive Report X Reviewer ed sheet)  COMPLETION ADDIT	BOUNDARI Ilines None  MISCELLANE  X 35. 1	X 30. Other 30.	manuscript graphs X ard Deal ervisor, Review	36. Dis 39. Forms _ w Section or Unit	x
Buildings 2 32. Public land I 34. Junctions scriptive Report X	BOUNDARI Ilines None  MISCELLANE  35. 1	X 30. Other 30.	manuscript graphs <u>X</u> ard Deal	X 36. Dis 39. Forms _	screpanc
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Buildings 2	29. Railroads	X 30. Others			
Buildings <u>X</u> 2	29. Railroads BOUNDARI lines <u>None</u>	30. Ot	ner cultural (	reatures <u>X</u>	
Buildings <u>X</u> 2	29. Railroads BOUNDARI	_X 30. Oti	ser cultural (	features <u>X</u>	
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	29. Railroads	_X 30. Oti	ner cultural 1	features <u>X</u>	<b>-</b>
			ner cultural 1	featuresX	-
				` ••	
24. Contours is					
21. Natural groun			ble contours	None 23. Ste	reoscor
	PHYSICAL FÉA	TURES			
<u> </u>				۸	
7. Landmarks <u>None</u> V	<u>~</u> 18. Other ald	ongsnore physic	ai Toatures _	19. Othe	er along
3. Low-water line None					,
**	(Nautical Char		-	<b>37</b> ·	
	ALONGSHORE				
s None 10. Photo	ogrammetric plo	t reportX_	11. Detai	l points None	
(topographic stations	s) <u>X</u> 7. P	hoto hydro stai	ions None	_8. Bench marks	None
ons of third-order or (	higher accuracy	<u> </u>	Recoverable	horizontai statio	ns of le
	CONTROL STA	TIONS			
		CONTROL STA	CONTROL STATIONS	CONTROL STATIONS	X 2. Title X 3. Manuscript numbers X 4. Manuscript size CONTROL STATIONS  ns of third-order or higher accuracy X 6. Recoverable horizontal stations

## Geographic Name List

\*Columbia River Columbia River Highway

Hood River County Hood River Saddle Club

Lewis & Clark Highway

Meno Siding Mitchell Creek Mitchell Point

<u>\*Oregon</u>

Phelps Creek Post Canvon Post Canyon Road

Ruthton

Seneca Fourts Memorial State Park Skamania County Spokane Portland & Seattle R.R.

Union Pacific

\*Washington

\*B.G.N. Decision

GEOGRAPHIC NAMES SECTION 23 September 1959

Revised 2/24/60

### MAYIM REPORT OF SHORECESS MET METURCELITYS T-30097 through 7-30046 August 1961

## 68. Sugarisan with Angistered Topographic Surveys

A small perking of 2-3607 (1948) of adjoining project 25-17 quarings into 7-16838. There are none discrepancies in this session stee, however, the different datume sould account for most of these. 7-16838 supersedes 2-3687 for the equate are for newtical charting purposes. So other previously registered topographic surveys exist of subject coverage.

## 63. Commentson with Mage of Other immeter

Supportile Dam, Ore.-Manh., 1:62,500, 1957, V.S. Geological Survey Ecod River, Gre.-Manh., 1:62,500, 1957, V.S. Geological Survey White Salmon, Cre.-Mach., 1:62,500, 1957, V.S. Geological Survey

Subject surveys at somis of 1:10,000 do not rendily permit a debailed comparison with above-listed quadrangles of 1:52,500. However, exerciting differences exist throughout.

## 50. Comparison with Contemporary Bricomarkie Burney

There are no contemposity hydrographic autyops of subject ares.

## 65. Comparison with Martiael Charts

6157 1:40,000

Bevised to March 1961

There are considerable disagreements between these surveys. An evaluation of these by the Mantical Chart Division for possible easily consideration is recommended. Typical major diserpsencies are at the following locations:

1. Lat. 45° 41', Long. 181° 51'- in the vicinity of deveragent Cove 2. Lat. 45° 41' 45°, Long. 121° 41' - see long point of land and inlands 20' tumped

3. At the Oregon shore of Columbia River directly ment of Hood River - White Salmon Bridge (let, 45° 43' - long, 121° 30' to 31').

Subject surveys have been compiled according to instruc-tions and no delicionaiss in adequaty or necursey are indicated...

## NAUTICAL CHARTS BRANCH

## SURVEY NO. <u>T-10843</u>

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
May 1962	6157	Judaila	Benne After Verification and Review Part Oy L
3/21/19	18531B	a James	Before After Verification and Review Consider
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
<u> </u>	,	<u> </u>	M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.