10851



10821

Diag. Cht. No. 6157

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-5807 Office No. T-10851

LOCALITY

State Oregon & Washington

Ceneral locality Columbia River

Locality Fivemile Creek

19 \$ 58-59

CHIEF OF PARTY

Lorne G. Taylor, Photogrammetric Office

K.W.Jeffers, Portland Photo, Office

LIBRARY & ARCHIVES

DATE May 1962

U\$COMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10851

Project No. (II): Ph-5807

Quadrangle Name (IV):

Field Office (II): The Dalles, Oregon

Chief of Party: Lorne G. Taylor

Unit Chief: K. W. Jeffers

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor

Instructions dated (ii) (III);

Undated

Copy filed in Division of

Field and Office

Photogrammetry (IV)

Modification: L

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

Scale Factor (III):

None

Pantograph Scale

1:10,000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 22 aug 1961

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): There is no river Mean sea level except as follows: area within limit: Elevations shown as (25) refer to mean high water of this Elevations shown as (5) refer to sounding datum of this i.e., mean for water or mean lower low water manuscript

Reference Station (III): U'

UTHE. 1939

1 -+ -

450 391 48.305"

Long.: 121° 09' 53.167"

Adjusted X Unadjusted

Plane Coordinates (IV):

State: Oregon

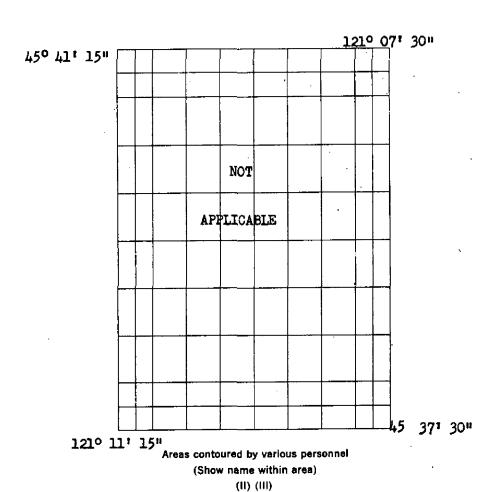
Zone: North

Y = 728,662.87

x= 1,830,039.88

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

Field Inspection by (ii): K. W. Jeffers

Date: June 1959

Planetable contouring by (II):

Date:

Completion Surveys by (il):

Date:

Mean High Water Location (III) (State date and method of location): There is no shoreline within the limits of this manuscript.

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

Date: 4-1-59

Projection and Grids checked by (IV):

Shoup

Date: 4-10-59

Control plotted by (III):

L. L. Graves

Date: 5-6-59

Control checked by (III):

J. L. Harris

Date: 5-7-59

Radial Plot or Stereoscopic

Robert Feuschel

Date: May 1959

Control extension by (III):

Planimetry

D. N. Williams

Date: 7-7-59

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III):

J. L. Harris (Scribing)

Date: 11-23-59

L. L. Graves (Stick-up)

1-21-60

Photogrammetric Office Review by (III): J. L. Harris (Rough Draft)

J. L. Harris (Mough Draft) J. E. Deal (Advance) Date: 7-9-59 1-25-60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

U.S.C.& G.S. Single lens 58-S Camera (kind or source) (III):

	•	PHOTOGRAPHS	Bonneville Dam	
Number	Date .	, Time	Scale	Pool (Forebay) Stege-of-Fide
58-S-7792A, 7816A & 7817A	8-28-58 8-28- 58	11:20 11:40	1:30,000 (contact) 1:10,000 (ratio)	Not applicable on this manuscript

Tide (III)

None

Recovered: 1

Recovered:

None

Reference Station:

Subordinate Station:

Not applicable

Subordinate Station:

Washington Office Review,by)(IV):

Final Drafting by (IV): /

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Remarks:

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

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

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): L

Number of BMs searched for (II): None

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

|Ratio of | Mean | Spring Ranges Range Range

Date:

Date: \

Identified: None

Identified:

COMM- DC- 57842

TO ACCOMPANY SHORELINE HAT MANDERLYTS T-10847 through T-10857

These eigen (11) shopeline surrogs are a part of PS-5867. The project covers the Orientia Rives and editment limit areas of Oregon and implicington from Removille sentence to Sentille. It was designed to aid in the revision of propent mentions discrete and in the construction of one chapts from the Dallos Sun spetrous to the Modern Sun. Subject Sements extend from the Visinity of Resolutes Inland explanation of Resolutes

A stereoglamicrouph bridging plot of 1-10047 through 2-10057 was done in the Machington Office in Petrology 1959 (see arrangle Myser). They were complied by Attraceogue instruments (Enlan Picture) in the Justima Makagementsic Office in the latter part of 1959 from photography of August 1950 and finia inspection information of March and May 1959.

The completed complications as schoolsed to the wastington office are the result of Maquataly southed stocks and suitable for the direct supreduction of registration copies.

A arount file positive at the considerion numbe of 1:10,000 and the Severightive Report of each will be registered and filed in the persons Archime.

July 1961

FIELD INSPECTION REPORT

Sheets 10851, 10853 & 10855

Project Ph-5807

Areal Field Inspection:

The area covered by this report includes a portion of the Columbia River from just east of The Dalles Dam to just west of the railroad bridge at Celilo, Oregon. Both shores of the Columbia River are in the area, but most of the interior coverage is on the Washington side.

Woodland cover is almost entirely lacking throughout the area. Some of the more gentle slopes are under cultivation, but most of the area is grazing land.

The major transportation routes are the Spokane, Portland and Seattle Railway, U. S. Highway 830, and U. S. Highway 197 on the Washington side, and the Union Pacific Railroad and U. S. Highway 30 on the Oregon side.

There are no incorporated towns within the area. Two unincorporated communities in the area are Murdock and Smithville in Washington.

Photo coverage was complete and adequate for the entire area.

3. Horizontal Control:

(a) Five supplemental third order control stations were established at this time:

<u>Station</u>	
Big Eddy Light	
Five Mile Rapids Light	
Five Mile Locks Light	
Memaloose Island Light	
Mile 7 Light	

- (b) No datum adjustments were made in the field.
- (c) Stations of other agencies were not recovered. The recovery done in 1958 met the minimum requirements in project instructions for the control of compilation.

(d) A search was made for all triangulation stations shown on the control diagram, with the exception of the following two stations which were recovered and occupied by an airport survey party in the area:

UTHE, 1939
T2N, R13E, SECTIONS 27 AND 34 QUARTER CORNER (U.S.E.)

(e) The following stations have been reported as destroyed:

Sheet	<u>Station</u>
10851	Dalles Radio Range, Center Antenna Pole, 1939
10851	Flagpole on Small Butte, 1939
10851	Portland-Spokane Airway Beacon No. 7-B, 1939
10853	White Tank with Green Roof, 1939, Apex

4. <u>Vertical Control:</u>

Not applicable.

5. Contours and Drainage:

Contours are not applicable.

Drainage has been delineated on the photographs wherever it is obscure in interior regions that were accessible by truck, and along the Columbia River where visible from a skiff.

6. Woodland Cover:

Woodland cover is almost entirely lacking. Some trees are found along streams and have been noted on the photographs.

7. Shoreline and Alongshore Features:

(a) through (c) Water Levels and Shoreline

The river level and shoreline depend on the volume of runoff and the rate of flow controlled at The Dalles Dam.

The photographs were taken on 28 and 30 August 1958. Listed below are actual river levels at two locations in or near the area at the time of photographs.

<u>Location</u>	<u> lormal River Level on</u>	Actual River Level on
	28 & 30 Aug. 1958	28 & 30 Aug. 1958
The Dalles Forebay Gag	ge 160.0 feet	159.8 feet
Celilo Gage	160.4 feet	160.2 feet

Because of the steep gradient of the shore in most of the area, a 0.2 foot change in the river level causes negligible displacement of the shoreline so the shoreline at the time of photography may be considered the same as that of normal piver level.

Low gradient features such as mud flats, sand bars, and shoals have been noted on the photographs. Foul areas have been sketched on the photographs.

- (d) Bluffs and cliffs along both shores of the Columbia River have been noted on the photographs and estimated heights given.
- (e) There are no docks, wharves, or piers in the area. There is one small boat launching site on the Columbia River at the south end of Horse Thief Lake as indicated on photograph 58-3-7802A.
 - (f) There are no submarine cables in the area.
 - (g) There are no other shoreline structures in the area.

8. Offshore Features:

Estimated heights along with time and date of inspection are noted on the photographs for all offshore rocks. The limits of offshore foul areas have also been sketched on the photographs.

9. Landmarks and Aids:

- (a) No landmarks for nautical charts were selected.
- (b)
- (b) No interior landmarks were selected.
- (c) There are no aeronautical aids in the area.
- (d) There are five fixed aids to navigation in the area.

Aid	Photographs	<u>Sheet</u>
Big Eddy Light (triangl 1959) Five Mile Lock Light	58-S-7801A 58-S-7802A	10853 10853
(triang., 1959) Five Mile Rapids Light	58-S-7801A	10853
(triang., 1959) Memaloose Island Light (triang., 1959)	58-S-7783A	10853
Mile 7 Light (triang., 1959)	58-S-7782A	10855

(e) There are six floating aids to navigation in the area.

<u>Aid</u>	Photographs	Sheet
Memaloose Island Buoy 2	58-S-7802A	10853
Memaloose Island Buoy 4	58-S-7783A	10853
Avery Buoy 5	58-S-7782A	10855
Browns Island Buoy 6	58-S-7782A	10855
Avery Lighted Buoy 7	58-S-7781A	10855
Dillon Buoy 8	58-S-7781A	10855

10. Boundaries, Monuments, and Lines:

The area falls entirely within Klickitat County on the Washington side and Wasco County on the Oregon side.

There are no incorporated towns within the area. Two unincorporated communities are Murdock and Smithville, Washington.

11. Other Control:

Five objects were pricked on the photographs as photo-topo stations for use in locating buoys by sextant fixes:

Station	<u>Photographs</u>	<u>Sheet</u>
S. P. & S. Railway Signal Control Box	58-8-7802A	10853
S. P. & S. Railway Signal Control Box	58-8-7782A	10855
Top of Concrete Drainage Flume	58-8-7782A	10855
U. P. R. R. Signal 916 Control Box	58-8-7782A	10855
U. P. R. R. Signal 941 Control Box	58-8-7781A	10855

12. Other Interior Features:

There are no other interior features in the area.

13. Geographic Names:

Geographic names are the subject of two special reports: Geographic Names Report, Part 1, Columbia River, Bonneville to The Dalles; Geographic Names Report, Part 2, Columbia River, The Dalles to Umatilla.

14. Special Reports and Supplemental Data:

(a) Geographic Names Report, Part 1, Columbia River, Bonneville To The Dalles, forwarded in March, 1959. (b) Geographic Names Report, Part 2, Columbia River, The Dalles to Umatilla, forwarded in June, 1959.

Approved:

Respectfully submitted:

Lorne G. Taylor

CDR,C&GS

Officer-in-Charge

K. William Jeffers

LTJG, C&GS

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10851

Project Ph-5807

Refer to the Photogrammetric Plot Report (Stereoplanigraph Bridge) for T-10847 thru T-10857 which is included in the Descriptive Report for T-10847 (1959).

O

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

U.S. DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT

SAST AND GEODETIC SURVEY

N.A. 1927 - DATUM

DISTANCE
FROM GRID OR PROJECTION LINE
FROM GRID OR PROJECTION LINE
IN METERS
IN METERS COMM- DC- 57843 (BACK) 13 SCALE FACTOR None FORWARD 7-2-59 (1551.8)(9*207) (BACK) DATE.... FORWARD 12,2 1116,4 DATUM SCALE OF MAP 1:10,000 CHECKED BY J.L.H. OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET, (1337.13)(70964)(BACK) FORWARD 39.88 3662,87 LONGITUDE OR x-COORDINATE LATITUDE OR W. COORDINATE 728,662,87 1,830,039,88 Ph-5807 DATE 7-2-59 PROJECT NO..... DATUM 1927 N.A. SOURCE OF INFORMATION Oreg.N. Pg. 29 (INDEX) 1 FT.=.3048006 METER COMPUTED BY. J.E.D. MAP T. 10851 STATION UTHE, 1939

COMPILATION REPORT

Map Manuscript T-10851

Project Ph-5807

31. Delineation:

The Kelsh Stereoscopic Instrument was used to compile the planimetry.

The C&GS photography was adequate to compile the planimetry to the limits indicated on the project index.

Refer to the last paragraph under 31. Delineation on page 19 in the Descriptive Report for T-10837 (1959).

32. Control:

Refer to remarks in the Photogrammetric Plot Report (Stereo-planigraph Bridge) T-10847 thru T-10857 which is included in the Descriptive Report for T-10847 (1959).

33. Supplemental Data:

None.

34. Contours and Drainage:

The drainage shown on the manuscript was delineated from field inspection notes supplemented by minute examination of the Kelsh model for drainage and by visual inspection of the U.S.G.S. 15 minute topographic quadrangle "The Dalles, Oreg. - Wash." Scale 1:62,500, published 1957.

35. Shoreline and Alongshore Details:

Not applicable.

36. Offshore Details:

Not applicable.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made on the east with T-10853, on the south with T-10852 and on the west with T-10849 and a portion of T-10850. There is no contemporary survey to the north.

40. Horizontal and Vertical Accuracy:

Refer to remarks under this heading in the Descriptive Report for T-10837 (1959) page 22.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 15 minute "The Dalles" Wash - Oreg. quadrangle, Scale 1:62,500, published 1957.

47. Comparison with Nautical Charts:

Not applicable.

Approved:

Ldrne G. Taylor

CDR,C&GS

Officer-in-Charge

Respectfully submitted:

J. Edward Deal

Cartographer

C&GS

GEOGRAPHIC NAMES LIST

Fivemile Creek

Lewis & Clark Highway

Murdock

Smithville

RAPAIC NAMES SECTION

MRACH 1960

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10851

1. Projection and grids2. Title3. Manuscr	ipt numbers X 4. Manuscript size X
CONTROL STAT	IONS
5. Horizontal control stations of third-order or higher accuracy_	
than third-order accuracy (topographic stations) None 7. Ph	
9. Plotting of sextant fixes None 10. Photogrammetric plot	
ALONGSHORE A	AREAS
(Nautical Chart	Deta)
12. Shoreline None 13. Low-water line None 14. Rocks,	shoals, etc. None 15. Bridges None 16. Aids
to navigation None 17. Landmarks None 18. Other alon	gshore physical features None 19. Other slong
shore cultural featuresNone	
PHYSICAL FEAT	URES
20. Water features None 21. Natural ground cover X	_ 22. Planetable contours <u>None</u> 23. Stereoscopic
instrument contours Nene 24. Contours in general Non	25. Spot elevations Neme 26. Other physical
features X	
CULTURAL FEAT	URES
27. Roads X 28. Buildings X 29. Rallroads	X 30. Other cultural features X
BOUNDARIE	s .
31. Boundary lines None 32. Public land lines None	
:	
MISCELLANEO	us
33. Geographic names X 34. Junctions X 35. Le	gibility of the manuscriptX36. Discrepancy
overlay None 37. Descriptive Report X 38. Field Ins	pection photographs <u>X</u> 39. Forms <u>X</u>
40,	J.Edward Deal
Reviewer	Supervisor, Review Section or Unit
41. Remarks (see attached sheet)	
FIELD COMPLETION ADDITIONS AND CORE	,
42. Additions and corrections furnished by the field completion manuscript is now complete except as noted under item 43.	survey have been applied to the manuscript. The
Compiler	Supervisor
43. Remarks:	
	COMM-DC 34529

MODELLINE MAY MADDICALLY?S 1-10847 through 7-10897 July 1961

52. Somerises with Registered Tecongraphic Surveys

There are no registered topographic surveys of this area.

63. Commercian with Manu of Other Amenalog

WHITE MALMON, CER.-WASH., 1:62,500, 1957, V.S. Coological Survey THE DALLAS, CRR.-WASH., 1:62,500, 1957, U.S. Geological Survey WISHRAM, CRR.-WASH., 1:62,500, 1957, U.S. Geological Survey

A detailed comparison is imprecated because of scale difference. However, several dissurpteents in choroline delination are apparent.

64. Commercians with Combensporary Universalis Surveys

There are no contemporary hydrographic surveys of sub-

55. Generalism with Markismi Charts

CLST

1:40.000

Revised to Murch 1961

There are elemental differences between these enverys, which should be equalified in the future revision of chert 6157. Additional manipulation with here been installed since the field importion of the T-should in 1959 and that are about an the implical short. The marveys, however, are in agreement with their corresponding light links.

The tasters portion of this group of T-shorts is not covered by existing modical charts. I may saying of musical sharts of the upper believes, know is being countriesed now and at the time of the Markington Office Review, and available for comparison.

56. Advantage of Samulta and Patters Sections

2-30507 through 1-16857 have been semplied according to instructions and seek the educator and securety requirements for this type of server.

Josef Jo Streifler

approved by:

Chief, Marian & Bourting Shorton

Marin tenton

Se Waugh 4/26/62

May skulett

NAUTICAL CHARTS BRANCH

SURVEY NO. <u>T-10851</u>

Record of Application to Charts

DATE CH	IART CAR	TOGRAPHER	REMARKS
May 1962 6	57 Ju	Daily 1	After Verification and Review Pant Gy 12
-21-66 61:	58 H.L	· · · · · · · · · · · · · · · · · · ·	After Verification and Review France No Coss
3/22/79 185.	3/B 6 g		efore After Verification and Review Exam no Corn
			efore After Verification and Review
		В	efore After Verification and Review
		В	efore After Verification and Review
		Be	efore After Verification and Review
		Ве	efore After Verification and Review
		Ве	efore After Verification and Review
		B	efore After Verification and Review

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.