

10854

Diag. Cht. No. 6157 and Inset.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-5807 Office No. T-10854

LOCALITY

State Oregon and Washington

General locality Columbia River

Locality Fifteenmile Creek

1958-59

CHIEF OF PARTY

L.G.Taylor, Chief of Party

K.W.Jeffers, Portland Photo. Office

LIBRARY & ARCHIVES

DATE May 1962

USCOMM-DC 5087

10854

DESCRIPTIVE REPORT - DATA RECORD

T - 10854

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
Field and Office

Copy filed in Division of
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

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Scale Factor (III): None

Viewing Scale
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

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 (2) refer to sounding-datum-
i.e., mean low water or mean lower low water

Reference Station (III):

THE DALLES, CENTER ONE
OF FIVE, RADIO RANGE
TOWER, 1959

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, 28 Aug. 1958.
*See below.

Lat.: 45° 37' 11.778"

Long.: 121° 05' 59.196"

Adjusted
Unadjusted

Plane Coordinates (IV):

State: Oregon

Zone: North

Y= 712,679.80

X= 1,846,538.24

* For Lake Celilo from 160 ft. above M.S.L. at The Dalles Dam
forebay and proceeding upstream at the gradient of Lake Celilo
as of date of photography, 28 August 1958.

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): C. H. Bishop (Shoreline)
K. W. Jeffers (Interior) Date: 19 & 20 Mar. 1959
June 1959

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Shoreline
~~Mean High Water~~ Location (III) (State date and method of location): Located by field inspection on 19 & 20 March 1959 on single lens ratio prints taken 8-28-58 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 8-28-58, the date of C&GS photography. For Lake Celilo The Dalles Dam Forebay is 160 ft. normal pool level and proceeds

Projection and Grids ruled by (IV): P. J. Dempsey Date: 4-16-59 (cont. below)

Projection and Grids checked by (IV): Shoup Date: 4-17-59

Control plotted by (III): J. E. Deal Date: 7-13-59

Control checked by (III): D. N. Williams Date: 7-14-59

Radial Plot or Stereoscopic Control extension by (III): Robert Feuschel Date: May 1959

Planimetry D. N. Williams Date: 7-14-59
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): D. N. Williams (Scribing) Date: 12-3-59
D. N. Williams (Stick-up) 12-29-59

Photogrammetric Office Review by (III): J. L. Harris (Rough Draft) Date: 7-31-59
J. E. Deal (Advance) 1-23-60

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

(Shoreline cont.) upstream as described for Bonneville Dam Pool.

DESCRIPTIVE REPORT - DATA RECORD 5.

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

Number	Date	PHOTOGRAPHS (III)	
		Time	Scale
58-S-7801A	8-28-58	11:34	1:30,000 (Contact) 1:10,000 (ratio)

Bonneville Dam Pool
Level - Forebay
~~Stage of Tide~~
73.6 ft. above MSL

The Dalles Dam
Forebay

159.76

Tide (III)

Reference Station:
Subordinate Station: Not applicable
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

J. Streifler

Date: *June 1961*

Final Drafting by (IV):

Portland Photogrammetric Office

Date: *Dec. 59 - Jan. 60*

Drafting verified for reproduction by (IV):

J. Streifler

Date: *June 1961*

Proof Edit by (IV):

Streifler

Date: *Aug. 1961*

Land Area (Sq. Statute Miles) (III): **8**
 Shoreline (More than 200 meters to opposite shore) (III): **2.0**
 Shoreline (Less than 200 meters to opposite shore) (III): **None**
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): **2** Recovered: **1*** Identified: **0**
 Number of BMs searched for (II): **None** Recovered: Identified:
 Number of Recoverable Photo Stations established (III): **1**
 Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

* 1 triangulation station was located.

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SUMMARY
TO ACCOMPANY SHORELINE MAP MANUSCRIPTS
T-10847 through T-10857

These eleven (11) shoreline surveys are a part of PR-5307. The project covers the Columbia River and adjacent land areas of Oregon and Washington from Bonneville eastward to Ustilla. It was designed to aid in the revision of present nautical charts and in the construction of new charts from the Dalles Dam upstream to the McNary Dam. Subject T-sheets extend from the vicinity of Hualapai Island eastward to Miller Island.

A stereoplanigraph bridging plot of T-10847 through T-10857 was done in the Washington Office in February 1959 (see separate report). They were compiled by stereoscopic instruments (Kala Plotter) in the Portland Photogrammetric Office in the latter part of 1959 from photography of August 1955 and field inspection information of March and May 1959.

The completed compilations as submitted to the Washington Office are the result of adequately revised sheets and suitable for the direct reproduction of registration copies.

A master film positive at the compilation scale of 1:10,000 and the Descriptive Report of each will be registered and filed in the Bureau Archives.

July 1961

FIELD INSPECTION REPORT

Map Manuscript T-10854

Project Ph-5807

Refer to Field Inspection Report for T-10850, T-10852 and T-10854, which is included in the Descriptive Report for T-10850, (1959).

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10854

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).

COMPILATION REPORT

Map Manuscript T-10854

Project Ph-5807

31. Delineation:

The Kelsh Stereoscopic Instrument was used to compile the planimetry.

The C&GS 1958 photography was adequate to compile the planimetry to the detail limits indicated on the project index.

Refer to last paragraph under this heading in the Descriptive Report for T-10837 (1959), page 19.

32. Control:

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

33. Supplemental Data:

The location of the New Dufur Highway (U.S. 197) was obtained from a plan furnished by the Oregon State Highway Dept. "Located Line" The Dalles - Eightmile Creek Section; The Dalles - California Highway; Wasco County; Scale 1 inch = 100 feet; Jan. 1957.

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 min. topographic quadrangle "The Dalles, Oreg. - Wash." Scale 1:62,500, published 1957.

35. Shoreline and Alongshore Details:

Refer to remarks under this heading in the Descriptive Report for T-10852 (1959).

36. Offshore Details:

Refer to Descriptive Report for T-10837 (1959).

37. Landmarks and Aids:

Form 567 was submitted to the Washington Office on 31 August 1959 for one aeronautical aid.

There are no nautical aids or landmarks within the limits of this manuscript.

38. Control for Future Surveys:

None.

39. Junctions:

A satisfactory junction was made on the west with T-10852 and on the north with T-10853. There are no contemporary surveys to the east and south.

40. Horizontal and Vertical Accuracy:

Refer to the Descriptive Report for T-10837 (1959).

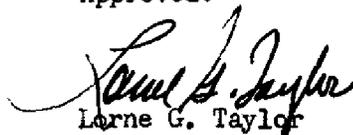
46. Comparison with Existing Maps:

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

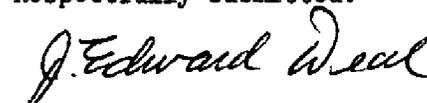
47. Comparison with Nautical Charts:

Refer to the Descriptive Report for T-10837 (1959).

Approved:


Lorne G. Taylor
CDR, C&GS
Officer-in-Charge

Respectfully submitted:


J. Edward Deal
Cartographer
C&GS

GEOGRAPHIC NAMES LIST

*Columbia River
Columbia River Highway

Eightmile Creek

Fifteenmile Creek

Klickitat County

*Lake Celilo

*Oregon

Petersburg

Seufert

The Dalles Dam

Union Pacific R.R.

Wasco County
*Washington

* E.G.N. Decision

George W. Baird
GEOGRAPHIC NAMES SECTION
10 MARCH 1960

49. Notes to the Hydrographer:

One aeronautical aid was located by triangulation methods:

The Dalles, Center One of Five, Radio Range Tower, 1959

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PHOTOGRAMMETRIC OFFICE REVIEW

T. 10854

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 None 14. Rocks, shoals, etc. X 15. Bridges X 16. Aids to navigation None 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 None

CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads X 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 X

40. _____ 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:

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REVIEW REPORT
OF
SHORELINE MAP MANUSCRIPTS
T-10047 through T-10057
July 1961

62. Comparison with Registered Topographic Surveys

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies

WHITE BLANCH, ORG.-WASH., 1:62,500, 1957, U.S. Geological Survey
THE DALLAS, ORG.-WASH., 1:62,500, 1957, U.S. Geological Survey
WISHAM, ORG.-WASH., 1:62,500, 1957, U.S. Geological Survey

A detailed comparison is impractical because of scale difference. However, several disagreements in shoreline delineation are apparent.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys of subject area.

65. Comparison with Nautical Charts

6157 1:40,000 Revised to March 1961

There are shoreline differences between these surveys, which should be considered in the future revision of chart 6157. Additional navigation aids have been installed since the field inspection of the T-sheets in 1959 and that are shown on the nautical chart. The surveys, however, are in agreement with their corresponding light lists.

The eastern portion of this group of T-sheets is not covered by existing nautical charts. A new series of nautical charts of the upper Columbia River is being constructed now and at the time of the Washington Office Review, not available for comparison.

66. Adequacy of Existing and Future Surveys

T-10047 through T-10057 have been compiled according to instructions and meet the adequacy and accuracy requirements for this type of survey.

Reviewed by:

Joseph J. Streifer
JOSEPH J. STREIFER

Approved by:

L. C. Landy
**CHIEF, REVIEW & EDITING SECTION
PHYSIOLOGY DIVISION**

Marvin T. Coulson
**CHIEF, MEDICAL CLERK
DIVISION**

J. E. Waugh 4/17/62
CHIEF, PHYSIOLOGY DIVISION

Max B. Keltz
CHIEF, OPERATIONS DIVISION

