
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
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

Officer-in-Charge: Lorne G. Taylor

Photogrammetric Office (III): Portland, Oregon

Instructions dated (II) (III): Undated


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):

Viewing Scale: 1:6000

Pantograph Scale: 1:10,000

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Date registered (IV): 22 Aug 1964

Publication Scale (IV):

Publication date (IV):

Refer to datum pro-
file on manuscript

Geographic Datum (III): N.A. 1927

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water
Elevations shown as (8) refer to sounding datum - i.e., mean low water or mean low low water

From 72.0 ft. above M.S.L. at Bonneville Dam forebay and upstream at the gradient of Bonneville Pool as of the date of photography, 28 Aug. 1958. *See below.

Reference Station (III):

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

Lat.: 45° 37' 11.778" Long.: 121° 05' 59.196" Adjusted

Unadjusted X

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.
Areas contoured by various personnel
(Show name within area)
(II) (III)
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. Bishop (Shoreline)  
K. W. Jeffers (Interiof)  

Date: 19 & 20 Mar. 1959 June 1959

Planetable contouring by (II): 

Date:

Completion Surveys by (II): 

Date:

Shoreline

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

Stereoscopic Instrument compilation (III): Pianimetry D. N. Williams  

Date: 7-14-59

Manuscript delineated by (III): D. N. Williams (Scribing)  
D. N. Williams (Stick-up)  

Date: 12-3-59 12-29-59

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

Date: 7-31-59 1-23-60

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

Date:

(Shoreline cont.) upstream as described for Bonneville Dam Pool.
DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number | Date  | 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: Not applicable
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Review by (IV):

Land Area (Sq. Statute Miles) (III): 8
Shoreline (More than 200 meters to opposite shore) (III): 2,000
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 2
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* 1 triangulation station was located.
SUMMARY
TO ACCOMPANY SHORELINE MAP MANUSCRIPTS
T-10847 through T-10857

These eleven (11) shoreline surveys are a part of RH-5907. The project covers the Columbia River and adjacent land areas of Oregon and Washington from Roseville eastward to Beatilla. 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-shots extend from the vicinity of Hemlock 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 (Dalih Plotters) in the Portland Photogrammetric Office in the latter part of 1959 from photography of August 1958 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 copy of 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).
PHOTOGRAHMNETIC 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).
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Dallas, Center Office</td>
<td>N.A.</td>
<td>712,679.80</td>
<td>2679.80 (2320.20)</td>
<td>816.8 (707.2)</td>
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<tr>
<td>One of Five, Radio Range Tower, 1959</td>
<td>Comp.</td>
<td>1927</td>
<td>1,846,538.24</td>
<td>1538.24 (3461.76)</td>
<td>468.9 (1055.1)</td>
</tr>
</tbody>
</table>

1 FT. = 0.3048006 METER

COMPUTED BY: J.E.D.  DATE: 12-12-58

CHECKED BY: J.L.H.  DATE: 1-6-59
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:**


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:**


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Approved:  

![Signature]

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

Respectfully submitted:  

![Signature]

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

* B.G.N. Decision

GEOGRAPHIC NAMES STATION
15 MARCH 1960
49. **Notes to the Hydrographer:**

One aeronautical aid was located by triangulation methods:

The Dalles, Center One of River, Radio Range Tower, 1959
PHOTOGRAMMETRIC OFFICE REVIEW
T. 10654


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines X 32. Public land lines None

MISCELLANEOUS

Reviewer

J. Edward Deal
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:
62. **Comparison with Registered Topographic Surveys**

There are no registered topographic surveys of this area.

63. **Comparison with Maps of Other Agencies**

WHITE SALMON, ORE., WASH., 1:60,000, 1937, U.S. Geological Survey
WHITE SALMON, ORE., WASH., 1:60,000, 1937, U.S. Geological Survey
WHITE SALMON, ORE., WASH., 1:60,000, 1937, U.S. Geological Survey

A detailed comparison is impractical because of scale differences. 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**

6197 1:40,000 Revised to March 1961

There are shoreline differences between these surveys, which should be considered in the future revision of chart 6197. Additional navigational aids have been installed since the field inspection of the T-sheets in 1939 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.

65. **Accuracy of Reports and Future Surveys**

T-19347 through T-19357 have been compiled according to instructions and meet the adequacy and accuracy requirements for this type of survey.
# Nautical Charts Branch

**Survey No. T-10854**

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>DATE</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 1962</td>
<td>6157</td>
<td>J. Daily</td>
<td>Before After Verification and Review Post Apr 12</td>
</tr>
<tr>
<td>1-21-66</td>
<td>6158</td>
<td>K. Laddan</td>
<td>Before After Verification and Review Exam No Corr consider fully applied</td>
</tr>
<tr>
<td>3-4-1979</td>
<td>185318</td>
<td>C. James</td>
<td>Before After Verification and Review consider fully applied</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Before After Verification and Review</td>
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<td>Before After Verification and Review</td>
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<tr>
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<td></td>
<td></td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

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.