

10860

Quis

Diag. Cht. No. 6157 Inset,

| | |
|---|---------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey | Shoreline |
| Field No. | Office No. T-10860 |
| LOCALITY | |
| State | Oregon & Washington |
| | Columbia River |
| General locality | Lake Celilo |
| Locality | Rufus |
| 1959 | |
| CHIEF OF PARTY | |
| Lorne G. Taylor, Photogrammetric Office | |
| LIBRARY & ARCHIVES | |
| DATE | May 1962 |

USCOMM-DC 5087

10860

DESCRIPTIVE REPORT - DATA RECORD

T - 10860

Project No. (II): **Ph-5807** Quadrangle Name (IV):

Field Office (II): **The Dalles, Oregon**

Chief of Party: **Lorne G. Taylor**

Photogrammetric Office (III): **Portland, Oregon**

Unit Chief: **K. W. Jeffers**

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):

Viewing Scale

1:6000

Scale Factor (III): **None**

Pantograph Scale

1:10,000

JUL 17 1960

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

3 July 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 (5) refer to ~~sounding datum~~

i.e., ~~mean low water or mean lower low water~~

From 160.0 ft. above M.S.L. at The Dalles Dam forebay and upstream at the gradient of Lake Celilo Pool as of the date of photography, 28 Aug. 1958.

Reference Station (III): **KUYPERS (USE) 1942**

Lat.: **45° 41' 57.559"**

Long.: **120° 42' 03.437"**

Adjusted **X**

Unadjusted

Plane Coordinates (IV):

State: **Oregon**

Zone: **North**

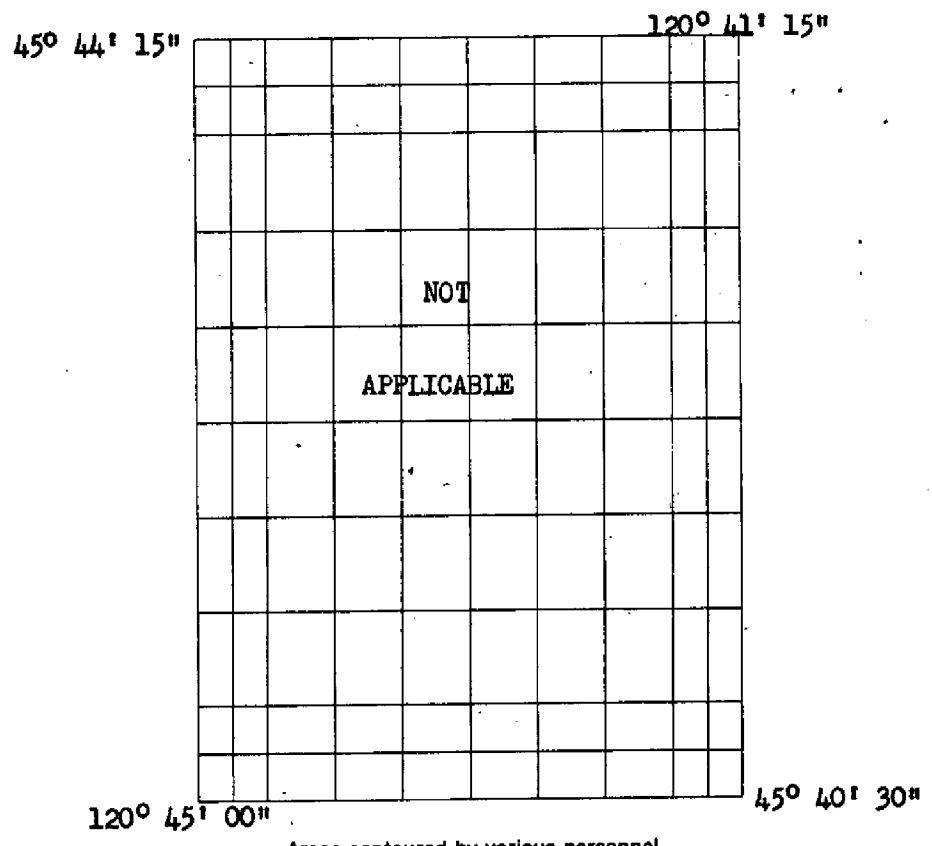
Y= **741,118.84**

X= **1,948,654.33**

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



Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. Bishop (Shoreline) Date: 27 March 1959
K. W. Jeffers (Interior) July 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 3-27-59 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 Lake Calilo Pool from 160.0 ft. normal pool level at The Dalles Dam forebay and proceeding upstream at the pool gradient of 8-28-58, the date of C&GS photography.

Projection and Grids ruled by (IV): P. J. Dempsey Date: 4-29-59

Projection and Grids checked by (IV): Shoup Date: 5-14-59

Control plotted by (III): J. L. Harris Date: 6-4-59

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): Planimetry L. L. Graves Date: 8-25-59

Contours Date:

Manuscript delineated by (III): W. V. Hull (Scribing) Date: 12-8-59
J. L. Harris (Stick-up) 2-24-60

Photogrammetric Office Review by (III): J. L. Harris (Rough draft) Date: 8-28-59
J. E. Deal (Advance) 3-29-60

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

DESCRIPTIVE REPORT - DATA RECORD

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

The Dalles Dam
Forebay

| Number | Date | PHOTOGRAPHS (III) | | Scale | Stage-of-Tide |
|-----------------------|---------|-------------------|--|--|---------------------|
| | | Time | | | |
| 58-S-7729A & 7730A | 8-28-58 | 11:34 | | 1:30,000 (contact) 1:10,000 (ratio) | 159.8 ft. above MSL |

Tide (III)

Reference Station: .
Subordinate Station:
Subordinate Station:

NOT APPLICABLE

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | | |
| | | |
| | | |

Washington Office Review by (IV):

Streifler

Date: *June 1961*

Final Drafting by (IV):

Portland Photogrammetric Office

Date: *Dec. 59 - March 60*

Drafting verified for reproduction by (IV):

Streifler

Date: *June 1961*

Proof Edit by (IV):

Streifler

Date: *July 1961*

Land Area (Sq. Statute Miles) (III): **11**
 Shoreline (More than 200 meters to opposite shore) (III): **6.0 statute miles**
 Shoreline (Less than 200 meters to opposite shore) (III): **None**
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): **6*** Recovered: **6*** Identified: **5***
 Number of BMs searched for (II): **None** Recovered: Identified:
 Number of Recoverable Photo Stations established (III): **4**
 Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

* 3 triangulation stations were identified which had Geographic Positions located by U.S.E.A

6

SUMMARY
TO ACCOMPANY SHORELINE MAP MANUSCRIPTS
T-10858 through T-10869

The twelve (12) subject surveys, extending from MILLER ISLAND eastward to the town of ARLINGTON, Oregon are part of project Ph-5807. The entire project consists of forty-nine (49) shoreline surveys which cover the Columbia River and adjacent land areas of Oregon and Washington from Bonneville eastward to Umatilla. It was designed to aid in the construction of a new series of nautical charts.

A stereoplanigraph bridging plot of the twelve subject surveys was done in the Washington Office in May 1959 (see separate report). They were compiled by Kelsh stereoscopic instruments in the Portland Photogrammetric Office during the latter part of 1959 from photography of August 1958 and field inspection information (shoreline, March-April 1959; interior, July-August 1959).

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

A cronar 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.

June 1961

FIELD INSPECTION REPORT

Map Manuscript T-10860

Project Ph-5807

Refer to Field Inspection Report for T-10859 thru T-10864
which is included in the Descriptive Report for T-10859 (1959).

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10860

Project Ph-5807

Refer to the Photogrammetric Plot Report (Stereoplanigraph Bridge) for T-10858 thru T-10869 which is included in the Descriptive Report for T-10858 (1959).

COMPILATION REPORT

Map Manuscript T-10860

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 remarks in the Descriptive Report for T-10858 (1959) and to the Photogrammetric Plot Report for T-10858 thru T-10869 which is included in the Descriptive Report for T-10858 (1959).

33. Supplemental Data:

None.

34. Contours and Drainage:

Contours are not applicable.

The drainage shown on the manuscript was delineated from field inspection notes supplemented by minute examination of the Kelsh models for drainage and by visual inspection of the U.S.G.S. topographic quadrangle, "Wasco", 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-10853 (1959).

36. Offshore Details:

Refer to remarks under this heading in the Descriptive Report for T-10853 (1959).

37. Landmarks and Aids:

Forms 567 were submitted to Washington on 10 September 1959 for landmarks and nautical aids.

There are no aeronautical aids within the limits of this manuscript

38. Control for Future Surveys:

Four objects were located by Kelsh Instrument. They are listed under Item 49. Notes to the Hydrographer. Three of these were selected principally for the use of the U. S. Coast Guard when locating floating aids to navigation in this area.

39. Junctions:

A satisfactory junction was made with T-10859 on the west and T-10861 on the east. There are no contemporary surveys to the north 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 "Wasco" Oreg. - Wash. quadrangle, Scale 1:62,500, published 1957.


47. Comparison with Nautical Charts:

Refer to the Descriptive Report for T-10853 (1959).

Approved:


Lorne G. Taylor
CDR, C&GS

Respectfully submitted:


J. Edward Deal
Cartographer, C&GS

48. GEOGRAPHIC NAMES LIST

Cliffs
Columbia Hills
*Columbia River
Columbia River Hwy.

*Gherkin Canyon

Hartley Canyon
Hellroaring Canyon

Klickitat County

*Lake Celilo

Oregon

Preachers Eddy

Rufus

Schofield Rapids
Scott Canyon
Sherman County
Spokane, Portland & Seattle R.R.

Union Pacific R.R.

Washington

* B.G.N. Decision

George M. Bee
GEOGRAPHIC NAMES SECTION
16 MAY 1960

49. Notes to the Hydrographer:

Forms 567 were submitted listing the geographic position of three fixed aids to navigation which were located by triangulation by U.S.E. and verified by Kelsh Instrument:

- Preachers Eddy Light
- Schofield Rapids Range Front Light
- Schofield Rapids Range Rear Light

Also four floating aids to navigation located by sextant fix:

- Preachers Eddy Buoy 21
- Preachers Eddy Buoy 23
- Schofield Rapids Buoy 25
- Schofield Rapids Buoy 26

Form 567 was submitted listing the scaled position of one landmark for charts located by Kelsh Instrument:

- Elevator, 1959

Three other objects selected principally for use of U. S. Coast Guard in locating floating aids to navigation:

- Rufus Gage 1959
- N. W. Corner Highway Bridge Abutment, 1959
- Tank No. 2, 1959

14

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10860

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) X 7. Photo hydro stations None 8. Bench marks None 9. Plotting of sextant fixes X 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 None 16. Aids to navigation X 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 X

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:

REVIEW REPORT OF
SHORELINE MAP MANUSCRIPTS T-10858 THROUGH T- 10869
June 1961

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies:

| | | | |
|-----------------------|-----------|-------------|----------|
| WISHRAM, ORE.-WASH. | 1:62,500 | 1957 | U.S.G.S. |
| WASCO, ORE.-WASH. | 1:62,500 | 1957 | U.S.G.S. |
| ARLINGTON, ORE.-WASH. | 1:125,000 | Ed. of 1916 | U.S.G.S. |

There is good agreement between effected subject surveys and the later Geological Survey Quads of 1:62,500. Arlington quadrangle of 1916 at 1:125,000 does not permit a detailed comparison because of scale difference.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of subject area.

65. Comparison with Nautical Charts:

The first nautical charts of this portion of the Columbia River are being constructed now and incomplete compilations are not available for comparison at this time.

*See date above
* Chart 6159
Issued
Feb 27 1961
HFS
5/13/64*

66. Adequacy of Results and Future Surveys:

T-10858 through T-10869 were compiled according to instructions. No deficiencies in accuracy or adequacy are indicated.

Reviewed by:

Josef J. Streifler
Josef J. Streifler

Approved by:

L. C. Landy
Chief, Review & Drafting Sec.
Photogrammetry Division

Mariusz Stanek
Chief, Nautical Chart
Division

J. Embrough 5/4/62
Chief, Photogrammetry Division

Max Ricketts
Chief, Operations Division

