

10862

Chris

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-10862

LOCALITY

State Oregon and Washington

General locality Columbia River

Locality Indian Rapids

19 59

CHIEF OF PARTY

Lorne G. Taylor, Photogrammetric Office

LIBRARY & ARCHIVES

DATE _____

USCOMM-DC 5087

10862

DESCRIPTIVE REPORT - DATA RECORD

T - 10862

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 Copy filed in Division of
Field and Office Photogrammetry (IV)

Modification: Letter 73/rrj dated 9 March 1959
Letter 831/es dated 12 March 1959
Letter 732/rrj dated 21 May 1959

Method of Compilation (III): Kesh Stereoscopic Instrument

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:6000 Viewing Scale

Scale Factor (III): None Pantograph Scale 1:10,000

Date received in Washington Office (IV): **JUL 11 1959** Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 7/3/61

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): Refer to datum pro-
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): PHILIPPI (USE) 1942

Lat.: 45° 43' 53.765" Long.: 120° 34' 41.475" Adjusted X
Unadjusted

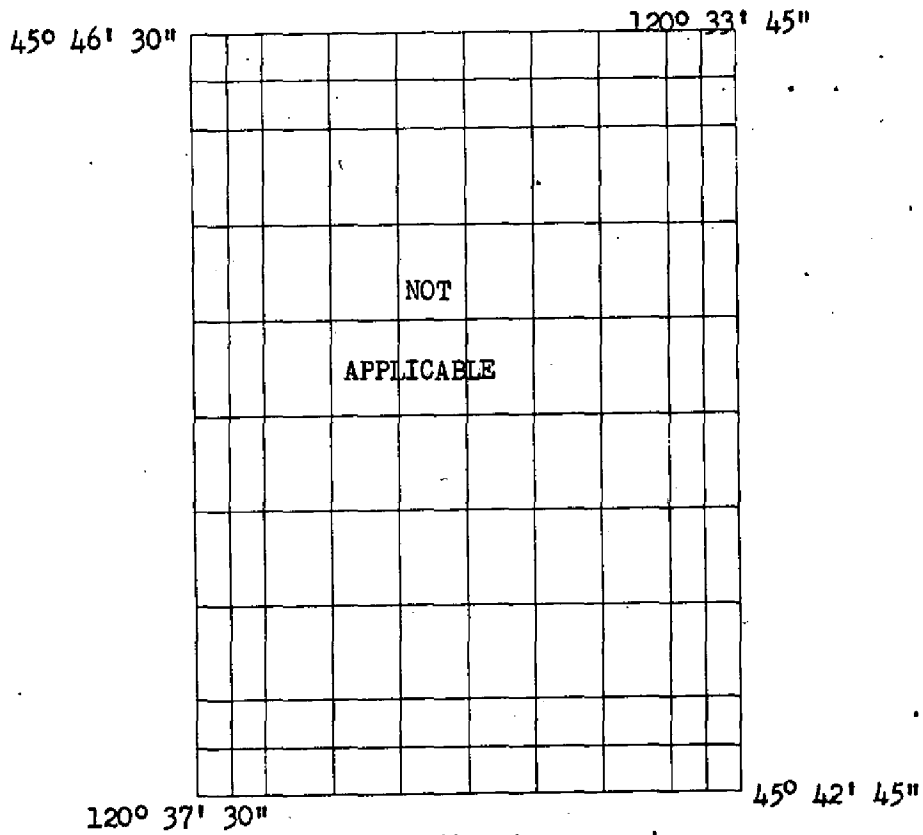
Plane Coordinates (IV): State: Oregon Zone: North

Y= 752,834.58 X= 1,980,033.79

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
K. W. Jeffers Date: 4-1 & 3-59
August 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 4-1 & 3-59 on single lens ratio prints taken 8-28-58 and delineated by Kelsh Stereoscopic Instrument on models of same photography. The shoreline is the gradient of Lake Celilo Pool from 160.0 ft. normal pool level at the forebay of The Dalles Dam and proceeding upstream at the pool gradient of 8-28-58, the date of photography.

Projection and Grids ruled by (IV): P. Dempsey Date: 5-7-59

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

Control plotted by (III): J. L. Harris Date: 7-28-59

Control checked by (III): J. E. Deal Date: 7-30-59

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

Planimetry L. L. Graves Date: 9-14-59

Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): J. L. Harris (Scribing) Date: 12-10-59
D. N. Williams (Stick-up) 1-18-60

Photogrammetric Office Review by (III): J. E. Deal (Rough Draft) Date: 10-9-59
J. E. Deal (Advance) 3-29-60

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

DESCRIPTIVE REPORT - DATA RECORD

5.

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

Number	Date	PHOTOGRAPHS (III)		Scale	The Dalles Dam Pool Level (Forebay) Stage of Tide
		Time			
58-S-7716A	8-28-58	10:37	1:30,000 (contact) 1:10,000 (ratio)		159.76' above MSL
58-S-7723A & 7724A	"	10:48		DO	"

Tide (III)

Reference Station:
Subordinate Station: **Not Applicable**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

S. Streifler

Date: *June 1961*

Final Drafting by (IV):

Portland Photogrammetric Office

Date: *Dec. 59 - March 60*

Drafting verified for reproduction by (IV):

S. Streifler

Date: *June 1961*

Proof Edit by (IV):

S. Streifler

Date: *June 1961*

Land Area (Sq. Statute Miles) (III): 12

Shoreline (More than 200 meters to opposite shore) (III): 6 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 1 " "

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 5* Recovered: 5* 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:

* 4 were aids to navigation with U.S.E. triangulation positions.

4 floating aids to navigation were located by Kelsh Instrument.

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 1:20,000 and the Descriptive Report of each will be registered and filed in the Bureau Archives.

June 1961

FIELD INSPECTION REPORT

Map Manuscript T-10862

Project Ph-5807

Refer to the 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-10862

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-10862

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).

Because of high water conditions during the field inspection it was not practicable for the field unit to investigate and measure heights on many photograph images that appeared to be rocks just bare or awash at the shoreline gradient of the manuscript.

These were shown on the manuscript with the rock awash symbol with an (a) adjacent thereto. An appropriate note has been added in the legend explaining this symbol.

Refer to letter 711-kak, dated 3 Feb. 1960 regarding supplemental instructions on this subject.

37. Landmarks and Aids:

There were no landmarks located. Forms 567 were submitted to the Washington Office on 9-28-59 for nautical aids.

38. Control for Future Surveys:

There were two aids to navigation and two other objects located by Kelsh Instrument. These are listed under Item 49. Notes to the Hydrographer.

39. Junctions:

A satisfactory junction was made with T-10861 on the west and T-10863 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).

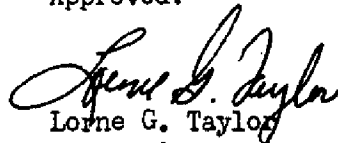
46. Comparison with Existing Maps:

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


47. Comparison with Nautical Charts:

Refer to remarks under this heading in 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

Columbia Hills
*Columbia River
Columbia River Hwy.

Gilliam County

Hook

Indian Rapids

Klickitat County

Oregon

Sherman County
Spokane, Portland & Seattle R.R.

Towal

Union Pacific R.R.

Washington

* B.G.N. Decision

George M. Bee
GEOGRAPHIC NAMES SECTION
18 MAY 1960

49. Notes to the Hydrographer:

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

- Indian Rapids Range 2 Front Light
- Indian Rapids Range 2 Rear Light
- Indian Rapids Range 3 Front Light
- Indian Rapids Range 3 Rear Light

Also two fixed aids to navigation were located by Kelsh Instrument:

- Squally Hook Rapids Range 1 Front Light
- Squally Hook Rapids Range 1 Rear Light

Two objects were located by Kelsh Instrument for use of the U. S. Coast Guard in locating floating aids to navigation:

- North Gable, Buff Colored Shack, 1959
- U.P.R.R. Signal Control Box, 1959

Also included on the Forms 567 are the scaled positions of floating aids located by sextant fix and 3 floating aids located by Kelsh Instrument:

- Indian Rapids Buoy 39
- Indian Rapids Buoy 40
- Indian Rapids Buoy 41
- Indian Rapids Buoy 42

PHOTOGRAMMETRIC OFFICE REVIEW

T-10862

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 None 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. _____
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:

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.

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:

Joseph J. Streifler
Joseph J. Streifler

Approved by:

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

Mervin T. Lamborn
Chief, Nautical Chart
Division

J. E. Vaughn 5/4/62
Chief, Photogrammetry Division

Max Skellett
Chief, Operations Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10862

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			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
			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
			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
			Before After Verification and Review
			Before After Verification and Review
			Before 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.