

10865

Aug

10865

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY  <b>DESCRIPTIVE REPORT</b>	
Type of Survey	Shoreline
Field No.	Office No. T-10865
LOCALITY	
State	Oregon & Washington
General locality	Columbia River
Locality	Rock Creek Rapids
<u>1959</u> CHIEF OF PARTY Lorne G. Taylor, Photogrammetric Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10865

Project No. (II): Phe5807      Quadrangle Name (IV):

Field Office (II): Arlington, 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: 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): Kelsh 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):      Date reported to Nautical Chart Branch (IV):

Applied to Chart No.      Date:      Date registered (IV): 7/2/61

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.  
U. S. Engineers Columbia River  
Low-Water Profile.

Reference Station (III): WILD (USE) 1941

Lat.: 45° 41' 24.684"      Long.: 120° 29' 09.295"      Adjusted      X  
Unadjusted

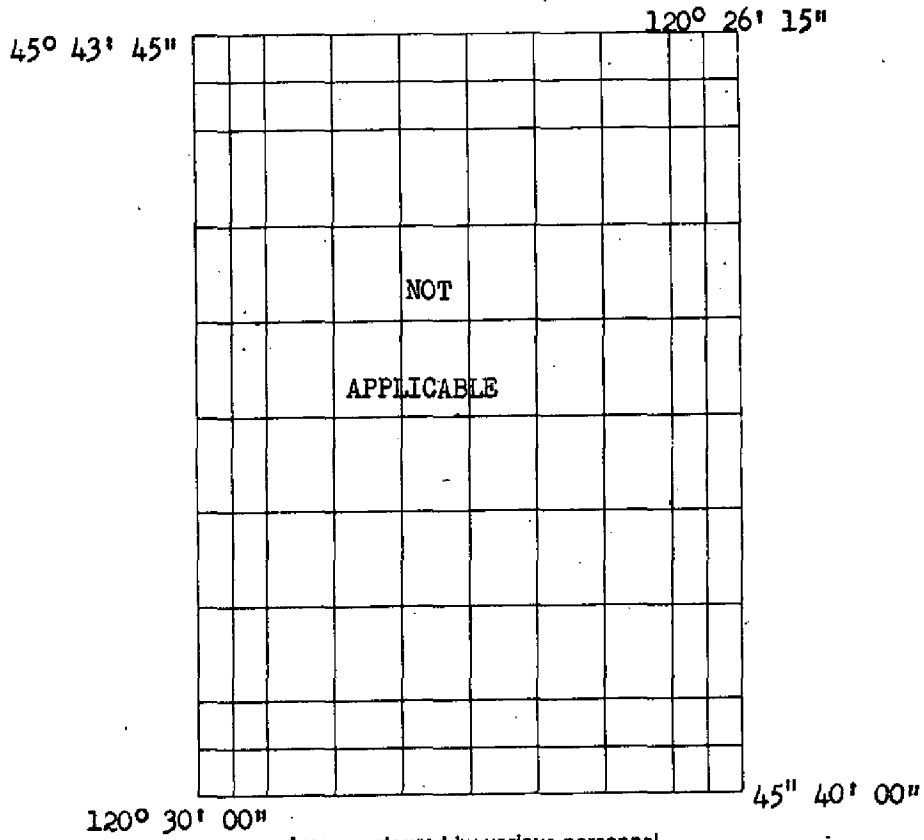
Plane Coordinates (IV):      State: Oregon      Zone: North

Y= 737,725.57      X= 2,003,599.36

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)  
K. W. Jeffers (Interior) Date: 7 April 1959  
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 4-7-59 on single lens ratio prints taken 8-28-58 and delineated by Kelsh Stereoscopic Instrument on models of same photography. The shoreline is the normal gradient of the Columbia River at 110,000 cfs.

Projection and Grids ruled by (IV): P. Dempsey Date: 5-13-59

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

Control plotted by (III): J. L. Harris (Pass Points  
& U.S.E.) Date: 7-23-59

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

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

Stereoscopic Instrument compilation (III): Planimetry D. N. Williams Date: 9-11-59  
Contours Date:

Manuscript delineated by (III): D. N. Williams (Scribing) Date: 12-11-59  
C. C. Harris (Stick-up) 1-25-60

Photogrammetric Office Review by (III): J. L. Harris (Rough Draft) Date: 9-18-59  
J. E. Deal (Advance) 3-30-60

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 Pool  
Level (Forebay)  
-Stage of Tide

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
			Time		
*58 S 7619A & 7692A	8-28-58		10:17	1:10,000 (ratio) 1:30,000 (contact)	159.76' above MSL, Flow at Arlington Gage was 107,000 cfs
58 S 7711A & 7712A	"		10:35	DO	DO

\* Used for field inspection only.

Tide (III)

Reference Station:

Subordinate Station:

Subordinate Station:

Not applicable

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

*Streifler*

Date: *May 1961*

Final Drafting by (IV):

*Portland Photogrammetric Office*

Date: *Dec. 59 - March 60*

Drafting verified for reproduction by (IV):

*Streifler*

Date: *May 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 statute miles*

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): *3* Recovered: *3* Identified: *1*

Number of BMs searched for (II): *None* Recovered: Identified:

Number of Recoverable Photo Stations established (III): *20\**

Number of Temporary Photo Hydro Stations established (III): *None*

Remarks:

\* All fixed aids to navigation located by Kelsh Instrument

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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 Manuscripts T-10865 thru T-10869

Project Ph-5807

2. Areal Field Inspection:

The area covered by this report includes a portion of the Columbia River from Quinton, Oregon to just east of Arlington, Oregon. Interior coverage is about equally divided between the Oregon and Washington sides of the river.

There is no woodland cover in the area, with the exception of a few trees growing along drainage features. The high plateaus and some of the more gentle slopes are under cultivation and the remainder of the area is grazing land.

The major transportation routes in the area are the Union Pacific Railroad and U. S. Highway 30 on the Oregon side, and the Spokane, Portland, and Seattle Railway on the Washington side. Oregon State Highway 19 runs north into Arlington where vehicular traffic may cross the Columbia River by ferry to Roosevelt, Washington. Washington State Highway 8 drops back to the shore of the Columbia River at Roosevelt and continues east along the shore. A new highway is under construction on the Washington side, running west from Roosevelt to Sundale. A road will be built in the next two years that will connect this highway to the highway that is now complete from Maryhill to the vicinity of Towel. Upon completion of this highway, it will be called Washington State Highway 8. At present there is no main road within the area west of Sundale, Washington.

Arlington, Oregon is the only incorporated town in the area. Four unincorporated communities in the area are as follows:

Sundale and Roosevelt in Washington  
Quinton and Blalock in Oregon.

3. Horizontal Control

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

(e) All Coast and Geodetic Survey stations were searched for.

4. Vertical Control:

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 the skiff.

6. Woodland Cover:

There is no woodland cover in the area. Some trees are found along streams and have been noted on the photographs. There are a few orchards in Blalock, Oregon and Sundale, Washington. They have been noted on the photographs, also.

7. Shoreline and Alongshore Features:

(a) through (c) Water levels and shoreline.

The level and shoreline of the river depend on the volume of runoff.

The photographs were taken on 28 August 1958, when the rate of flow at Arlington was 107,000 cfs (cubic feet per second). Since the adopted normal river level is that corresponding to a rate of flow of 110,000 cfs, the shoreline at the time of photography may be considered the same as that of normal river 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. The Arlington Ferry lands at a portable wooden ramp on both shores. There is a small boat float and a concrete launching ramp at Arlington. These features are all indicated on photograph 58 S 7701A.

(f) There is a submarine cable crossing just east of Arlington, indicated on photograph 58 S 7701A.



(g) The only other shoreline structures in the area are some dolphins and attached wooden cribs filled with rock and a stone jetty at the Port of Arlington. These features are indicated on photograph 58 S 7701A.

#### 8. Offshore Features:

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

#### 9. Landmarks and Aids:

(a) Two landmarks for charts were selected at this time; elevation and height determinations are given on the back of the photographs:

<u>Landmark</u>	<u>Photograph</u>	<u>Sheet</u>
Roosevelt Elevator, 1959	58 S 7701A	10869
Arlington Elevator, 1959 (1:6000 contact)	58 S 8263A	10869

(b) No interior landmarks were selected. Buildings have been circled and classified on the photographs in accordance with Photogrammetric Instructions 54, dated 2 January 1958.

(c) There are no aeronautical aids in the area.

(d) There are forty-six fixed aids to navigation in the area:

<u>Aid</u>	<u>Photograph</u>	<u>Sheet</u>
Rock Creek Rapids Range 2.5 Front Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 2.5 Rear Light 1959 (temporary structure)	58 S 7692A	10865
Goodnoe Range Front Light 1959 (temporary structure)	58 S 7692A	10865
Goodnoe Range Rear Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 1 Front Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 1 Rear Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 2.6 Front Daybeacon 1959 (permanent structure)	58 S 7692A	10865
Rock Creek Rapids Range 2.6 Rear Daybeacon 1959 (permanent structure)	58 S 7692A	10865
Rock Creek Rapids Range 4 Front Light 1959 (permanent structure)	58 S 7692A	10865

<u>Aid</u>	<u>Photograph</u>	<u>Sheet</u>
Rock Creek Rapids Range 4 Rear Light 1959 (permanent structure)	58 S 7692A	10865
Mile 28-29 Range 2 Front Light 1959 (temporary structure)	58 S 7692A	10865
Mile 28-29 Range 2 Rear Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 3 Front Light 1959 (temporary structure)	58 S 7692A	10865
Rock Creek Rapids Range 3 Rear Light 1959 (permanent structure)	58 S 7692A	10865
Rock Creek Rapids Range 2 Front Light 1959 (permanent structure)	58 S 7692A	10865
Rock Creek Rapids Range 2 Rear Light 1959 (temporary structure)	58 S 7692A	10865
Mile 29-29.5 Range Front Light 1959 (permanent structure)	58 S 7692A	10865
Mile 29-29.5 Range Rear Light 1959 (temporary structure)	58 S 7692A	10865
Mile 28 Range Front Daybeacon 1959 (permanent structure)	58 S 7692A	10865
Mile 28 Range Rear Daybeacon 1959 (temporary structure)	58 S 7692A	10865
Mile 28-29 Range 1 Front Daybeacon 1959 (temporary structure)	58 S 7694A	10866
Mile 28-29 Range 1 Rear Daybeacon 1959 (temporary structure)	58 S 7694A	10866
Four O'clock Rapids Range 2 Front Light 1959 (permanent structure)	58 S 7694A	10866
Four O'clock Rapids Range 2 Rear Light 1959 (permanent structure)	58 S 7694A	10866
Four O'clock Rapids Range 1 Front Light 1959 (permanent structure)	58 S 7695A	10867
Four O'clock Rapids Range 1 Rear Light 1959 (temporary structure)	58 S 7695A	10867
Blalock Rapids Range Front Light 1959 (temporary structure)	58 S 7697A	10868
Blalock Rapids Range Rear Light 1959 (temporary structure)	58 S 7697A	10868
Owyhee Rapids Range 1.5 Front Light 1959 (temporary structure)	58 S 7697A	10868
Owyhee Rapids Range 1.5 Rear Light 1959 (temporary structure)	58 S 7697A	10868
Gilmore Range Front Light 1959 (temporary structure)	58 S 7699A	10868
Gilmore Range Rear Light 1959 (temporary structure)	58 S 7699A	10868
Goose Island Range 2 Front Light 1959 (temporary structure)	58 S 7699A	10868
Goose Island Range 2 Rear Light 1959 (temporary structure)	58 S 7699A	10868

<u>Aid</u>	<u>Photograph</u>	<u>Sheet</u>
Owyhee Rapids Range 2.5 Front Light 1959 (permanent structure)	58 S 7699A	10868
Owyhee Rapids Range 2.5 Rear Light 1959 (temporary structure)	58 S 7699A	10868
Owyhee Rapids Range 1 Front Light 1959 (temporary structure)	58 S 7699A	10869
Owyhee Rapids Range 1 Rear Light 1959 (temporary structure)	58 S 7699A	10869
Goose Island Range 1 Front Light 1959 (permanent structure)	58 S 7699A	10869
Goose Island Range 1 Rear Light 1959 (permanent structure)	58 S 7699A	10869
Owyhee Rapids Range 2 Front Light 1959 (temporary structure)	58 S 7701A	10869
Owyhee Rapids Range 2 Rear Light 1959 (temporary structure)	58 S 7701A	10869
Arlington Range Front Light 1959 (permanent structure)	58 S 8263A	10869
Arlington Range Rear Light 1959 (permanent structure)	58 S 7701A	10869
Island No. 30 Range 2 Front Light 1959 (temporary structure)	58 S 7644A	10869
Island No. 30 Range 2 Rear Light 1959 (temporary structure)	58 S 7644A	10869

The elevation and height of some of the fixed aids have been determined by rough measurement with a hand level. Those values have been noted on the photographs.

(e) There are four floating aids to navigation in the area:

<u>Aid</u>	<u>Photograph</u>	<u>Sheet</u>
Rock Island Buoy 21 A	58 S 7697A	10867
Owyhee Rapids Buoy 22	58 S 7699A	10869
Owyhee Rapids Buoy 24	58 S 7699A	10869
Owyhee Rapids Buoy 26	58 S 7699A	10869

#### 10. Boundaries, Monuments and Lines:

The area falls entirely within Klickitat County, Washington, and Gilliam County, Oregon.

The only incorporated town in the area is Arlington, Oregon. A city map of Arlington showing the city limits has been included with the photographs. A section corner,  $\frac{20}{29} \frac{21}{28}$ , has been pricked on the photo 58 S 8262A to use in plotting the Arlington city limits.

Four unincorporated communities in the area are Sundale and Roosevelt in Washington, and Quinton and Blalock in Oregon.

The community of Fountain, Washington, indicated on the 1916 edition of the U. S. Geological Survey, Arlington quadrangle, map is no longer in existence.

A Union Pacific Railroad siding known as Gilmore has been indicated on photograph 58 S 7697A.

11. Other Control:

Six photo-topo stations were selected and pricked on the photographs:

<u>Station</u>	<u>Photograph</u>	<u>Sheet</u>
North Gable, Elevator at Blalock, 1959	58 S 7695A	10867
Shed on Hill, 1959	58 S 7697A	10867
Azimuth Point for Gilmore Range, 1959	58 S 7695A	10867
Arlington Elevator (see Arlington Range Front Light, 1959)	58S 8263A	10869
Roosevelt Elevator	58 S 7701A	10869
Azimuth Point for Island No. 30 Range 1, 1959	58 S 7701A	10869

Azimuth points for all ranges except the two listed above were located by sextant fix. The fix for each azimuth point is recorded on the back of the photograph on which the corresponding range has been pricked.

12. Other Interior Features:

There are no other interior features in the area. It should be noted that the roads and railroads in this area are to be re-located prior to the completion of the John Dam Dam.

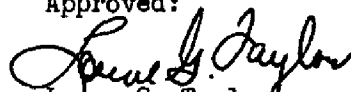
13. Geographic Names:

Geographic names are the subject of a special report: Geographic Names Report, Part 2, Columbia River, The Dalles to Umatilla, forwarded in June, 1959.

14. Special Reports and Supplemental Data:

Geographic Names Report, Part 2, Columbia River, The Dalles to Umatilla, forwarded in June, 1959.

Approved:

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

Respectfully submitted:

K. William Jeffers  
LTJG, C&GS  
Unit Chief

## PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10865

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-10865

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, "Arlington", Oreg. - Wash., Scale 1:125,000, published 1916, reprinted 1948.

35. Shoreline and Alongshore Details:

The shoreline shown on this map manuscript is at the normal river gradient of 110,000 cfs flow. A graph showing this gradient from which the elevation of the shoreline may be determined for any place along the river is shown on the manuscript.

Refer to correspondence included in the Descriptive Report for T-10837 (1959) for a detailed report on this feature.

### 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.

The heights of rocks are referenced to the U. S. Engineers Columbia River Low Water Profile. The symbolization of the rocks is based on the gradient of the shoreline at a flow of 110,000 cfs. For instance a rock shown with the rock awash symbol, ie. \*(9), means that the rock is either less than 2 ft. above or 2 ft. below the normal shoreline gradient at a river flow of 110,000 cfs. In this case there would be approximately 7.0 ft. of water between the U.S.E. Low Water Profile and the normal shoreline gradient at 110,000 cfs. *Some \* were used for rocks more than 2 ft. above the shoreline datum - see T-10877.*

### 37. Landmarks and Aids:

*R.H. Carstens 6/18/62*

Forms 567 were submitted to Washington on 28 Sept. 1959 for 20 fixed aids to navigation.

There are no aeronautical aids or landmarks for charts.

### 38. Control for Future Surveys:

Twenty Fixed aids to navigation were located by Kelsh Instrument. These are listed under Item 49, Notes to the Hydrographer.

### 39. Junctions:

A satisfactory junction was made with T-10863 and T-10864 on the west and T-10866 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:

A comparison was made with U.S.G.S. 30 minute "Arlington" Oreg. - Wash. quadrangle, Scale 1:125,000, edition 1916, reprinted 1948.

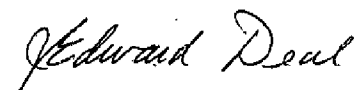
47. Comparison with Nautical Charts:

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

Approved:

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

Respectfully submitted:

  
J. Edward Deal  
Cartographer, C&GS

48. GEOGRAPHIC NAMES LIST

\*Columbia River  
Columbia River Hwy.

Gilliam County

Klickitat County

Oregon

Rock Creek  
Rock Creek Rapids

Spokane, Portland & Seattle R.R.

Union Pacific R.R.

Washington

\* B.G.N. Decision

*George M. Boe*  
GEOGRAPHIC NAMES SECTION  
16 MAY 1960

49. Notes to the Hydrographer:

Forms 567 were submitted listing the scaled geographic positions of twenty fixed aids to navigation which were located by Kelsh Instrument:

- Goodnoe Range Front Light
- Goodnoe Range Rear Light
- Rock Creek Rapids Range 2.5 Front Light
- Rock Creek Rapids Range 2.5 Rear Light
- Rock Creek Rapids Range 2.6 Front Daybeacon
- Rock Creek Rapids Range 2.6 Rear Daybeacon
- Rock Creek Rapids Range 1 Front Light
- Rock Creek Rapids Range 1 Rear Light
- Rock Creek Rapids Range 2 Front Light
- Rock Creek Rapids Range 2 Rear Light
- Rock Creek Rapids Range 4 Front Light
- Rock Creek Rapids Range 4 Rear Light
- Rock Creek Rapids Range 3 Front Light
- Rock Creek Rapids Range 3 Rear Light
- Mile 28 Range Front Daybeacon
- Mile 28 Range Rear Daybeacon
- Mile 28-29 Range 2 Front Light
- Mile 28-29 Range 2 Rear Light
- Mile 29-29.5 Range Front Light
- Mile 29-29.5 Range Rear Light

PHOTOGRAMMETRIC OFFICE REVIEW

T-10865

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 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 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:

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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:

*L. A. Land*  
L. A. Land  
Chief, Review & Drafting Sec.  
Photogrammetry Division

*Marvin T. Raper*  
Marvin T. Raper  
Chief, Nautical Chart  
Division

*J. E. Vaughn 5/19/62*  
J. E. Vaughn  
Chief, Photogrammetry Division

*Max Ricketts*  
Max Ricketts  
Chief, Operations Division

