## 10847

**0847** 

Diag. Cht. No. 6157.

#### Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

#### DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-5807 Office No. T-10847

#### **LOCALITY**

State Oregon and Washington

General locality Columbia River

Locality Chatfield, Oregon

#### 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

#### DESCRIPTIVE REPORT - DATA RECORD

T - 10847

Project No. (II): Ph-5807

Quadrangle Name (IV):

Field Office (II): Hood River, 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:

Photogrammetry (IV)

Field and Office

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

Viewing Scale

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Pantograph Scale

1:10,000

Scale Factor (III): Date received in Washington Office (IV):

None

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Publication Scale (IV):

Geographic Datum (III):

Publication date (IV):

Refer to datum pro-

Vertical Datum (III): file on manuscript

Mean sea level except as follows:

Elevations shown as (25) refer to mean hig Elevations shown as (5) refer to sounding-datum-I.e., meen low weter or mean lower 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, 30 Aug. 1958.

Reference Station (III):

MEMA, 1957

N.A. 1927

450 411 39.724"

Long.: 1210 20' 58.401" Adjusted

X

Unadjusted

Plane Coordinates (IV):

State: Oregon

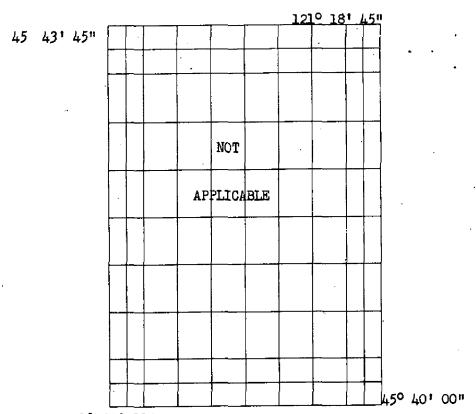
North Zone:

740,389.97

1,782,915.90

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.



121° 22° 30° Areas contoured by various personnel (Show name within area) (II) (III)

#### DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Charles H. Bishop

K. W. Jeffers

Date: March & May

1959

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Shoreline
Mean-High Weter Location (III) (State date and method of location): Located by field inspection on
3-10-59 on single lens ratio prints taken 28 August 1958 and delineated by Kelsh
Stereoscopic Instrument from models of the same photography. The shoreline is
the gradient of the Bommaeville Dam Pool from 72.0 ft. normal pool level at the forebay and proceeding upstream at the pool gradient of 28 Aug. 1958, the date of C&GS photography.

Projection and Grids ruled by (IV):

P. J. Dempsey

Date: 12-22-58

Projection and Grids checked by (IV):

Shoup

Date: 12-24-58

Control plotted by (III);

L. L. Graves

Date: 3-2-59

Control checked by (III):

J. E. Deal

Date: 3-5-59

Radial Plot or Stereoscopic

George Ball

Date: 2-11-59

Control extension by (III):

Planimetry D. N. Williams Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III):

C. C. Harris, (Scribing) C. C. Harris (Stick-up)

Date: 8-7-59

12-24-59

Photogrammetric Office Review by (III): J. E. Deal

6-11-59 Date:

1-25-60

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

Date:

COMM- DC- 57842

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

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

		PHOTOGRAPHS	Bonneville Dam Pool	
Number	Date	Time	Scale	Level – Forebay Store of Fide
58**S-7823A & 7824A	8-28-58	11:53	1:3000 <b>0</b> (contact) 1:10,000 (ratio)	73.6 ft. above M.S.I
58–5–7864A <u>&amp;</u> 7865A	8 <del>-</del> 30 <b>-</b> 58	10:12	DO	73.5 ft. " "

Tide (III)

Reference Station:

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

Washington Office Review by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Final Drafting by (IV):

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

- Shoreline (More than 200 meters to opposite shore) (III): 6.0 Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (11):

Number of Triangulation Stations searched for (II): 13

Number of BMs searched for (II):

Recovered:

Recovered: 11 Identified: Identified:

Number of Recoverable Photo Stations established (III): 1

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

Remarks:

|Ratio of | Mean | Spring Ranges Range Range

Date:

Date:

COMM- DC- 57842

#### 6

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

These eleven (11) shoreline surveys are a part of PH-5807. The project covers the Columbia River and adjacent land areas of Oregon and Washington from Bonneville eastward to Umatilla. 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 Memaloose 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 (Kelsh Plotter) 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 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.

July 1961

#### FIELD INSPECTION REPORT Project Ph-5807 Sheets 10847, 10848 & 10849

#### 2. Areal Field Inspection:

The area covered by this report inleudes a portion of the Columbia River Gorge which has steep wooded slopes and precipitous cliffs along both shores of the river. The more gentle slopes along both sides of the river are under cultivation; orchards comprise about 50% of the cultivated regions.

At the east end of the area, woodland cover becomes sparce along the north side of the river and the river valley widens as it emerges from the gorge.

The major transportation routes are U. S. Highway 30 and the Union Pacific Railroad along the south shore and U. S. Highway 830 and the Spokane, Portland and Seattle Railway along the north shore. A single track of the S.P.& S. Railway branches up the Klickitat River from Lyle, Washington.

Photo coverage was adequate although the edges of the project area were in some places off the limits of photography. Where this occured, there is little or no detail to inspect.

There are no incorporated towns in the area. Three unincorporated communities are: Lyle and Murdock, Washington and Rowena, Oregon.

#### 3. Horizontal Control:

(a) One supplemental control station was established at this time:

Rowena Range Front Light 34 by third order intersection.

- (b) No datum adjustments were made in the field.
- (c) Stations of other agencies were not recovered. The recovery done in 1958 met the minimum requirements in project instructions for the control of compilation.
- (d) Authority was received on 4-30-59 to defer recovery of triangulation stations that are not required for compilation.

(e) The following stations have been reported as destroyed:

Sheet 10847

Memaloose Island Light, 1939

Sheet 10848

Klickitat River Light, 1939 Rowena Front Range Light, 1939 Rowena Rear Range Light, 1939

#### 4. Vertical Control:

Not applicable.

#### 5. Contours and Drainage:

Contours 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:

Representative areas of woodland cover have been noted on the photographs. Along the north side of the Columbia River, woodland cover becomes sparse at the east limit of the area covered by this report. Orchards have been noted on the photographs.

#### 7. Shoreline and Alongshore Features:

(a) thru (c) Water Levels and Shoreline.

The river level and shoreline depend on the volume of runoff and the rate of flow controlled at Bonneville Dam. The Normal Pool Level at the Hood River gage is 72.8 feet at time of photography.

The photographs were taken on 28 and 30 August 1958 when the Hood River gage read 74.38 and 74.43 feet respectively. The shoreline was inspected on 10 and 11 March 1959 when the Hood River gage read 75 feet. Because of the steep gradient of the shore in most of the area, a two foot change in the pool level causes negligible displacement of the shoreline so the shoreline at the time of photography may be considered the same as that of normal pool level.

Low gradient shoreline features such as mud flats, sand bars, and shoals have been noted on the photographs. Foul areas have been sketched on the photographs.

- (d) On both sides of the river are steep canyon walls, typical of the Columbia River Gorge. Alongshore bluffs and cliffs have been noted on the photographs and estimated heights given.
- (e) There are no docks, wharves, or piers in the area. There is a small boat float about 0.2 mile up the Klickitat River from the highway bridge. In the inlet just west of Rowena on the Oregon side are two small floats and a graded beach for small boat launching.
- (f) There is a submarine cable crossing at Crates Point shown on photograph 58 S 7818A.
- (g) In the region of Lyle and Rowena there are pilings and ruins along the shore as noted on photograph 58 S 7820A.

#### 8. Offshore Features:

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

#### 9. Landmarks and Aids;

- (a) Five towers were pricked as landmarks on photo 58 S 8042A. These towers support two parallel transmission line crossings over the Columbia River just south of Crates Point Light. The easterly one of these five towers is an old landmark indicated on C&GS Chart 6157 as POLE (lighted). The center tower of the northerly cable crossing is a triangulation station.
- (b) No interior landmarks were selected. Buildings have been circled and classified on the photos in accordance with Photogrammetric Instructions 54, dated 2 January 1958.
- (c) One aeronautical aid exists in the area. The elevation and height of Portland-Spokane Airway Beacon No. 6-B was determined.
- (d) There are seven fixed aids to navigation in the area:

Aid and type of structure	Photo	Sheet
Mosier Upper Light 26 (Triang. 1939) Memaloose Island Light 29 (temporary	58S78 <b>2</b> 4A	10847
	58\$7822A	10847

Aid and type of structure	Photo	Sheet
Klickitat River Light 32 (Triang. 1957)	Identified	No. 1958
Rowena Range Front Light 34 (permanent structure, triang. 1959) Rowena Range Rear Light (temporary	58S7822A	10848
structure) Squally Point Light 36 (Triang. 1939)	58S7822A 58S7818A	10848 10849
Crates Point Light 38 (Triang. 1939)	5857793A	10849

Point A, pricked on photo 58 S 7818A, is on the extension of the Rowena Range and was selected for use in determining the azimuth of the Rowena Range.

(e) There are no floating aids to navigation in the area.

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

The area falls entirely within Klickitat County on the Washington side and Wasco County on the Oregon side. There are no incorporated towns within the area.

#### 11. Other Control:

Lyle Gage was located as a topographic station in 1959. It is pricked on photograph 58 S 7820A.

#### 12. Other Interior Features:

Project instructions called for a clearance measurement of a cable crossing at Lat. 45° 38' 05", Long. 121° 11' 43". This cable crossing is not in the position indicated on C&GS Chart 6157. There are two parallel cable crossings at Lat. 45° 38.9', Long. 121° 11.8'. The northerly one of the two is shown on Chart 6157 and a clearance is given. The southerly one of the two is the one believed called for in project instructions and its vertical clearance is 156.4 feet above normal pool level. This clearance was determined from observed vertical angles using planetable and alidade. The computations and observations are submitted.

#### 13. Geographic Names:

Geographic names are the subject of special report Geographic Names Report - Part 1, Columbia River, Bonneville to The Dalles forwarded in March 1959.

#### 14. Special Reports and Supplemental Data:

(a) Geographic Names Report - Part 1, Columbia River, Bonneville to The Dalles - Submitted in March 1959.

Approved,

Number Supported Supported

Respectfully submitted,

K. William Jeffers

LTJG, C&GS

PHOTOGRAMMETRIC PLOT REPORT Columbia River, PH-5807 (Stereoplanigraph Bridge)

#### 21. Area Covered

T-10847 thru T-10857

#### 22. Method

Three stereoplanigraph bridges were run and were designated as strips 78, 79 and 80. All three were computed by IBM methods.

#### 23. Adequacy of Control

Triangulation Station BO, 1939 SUB. STA. A was entirely indistinguishable on both strips 78 and 80 and the stereoplanigraph positions read for this point were strictly guesswork. The bridged positions for this station also did not agree with the true position and it is recommended that this station be completely disregarded in compilation.

Triangulation Station MEMA, 1957 SUB. PT. B. A FARM, 1939 SUB. PT. B, and Triangulation Station KASER, 1939 SUB. PT. A were also designated as poor stations at the time of bridging and they failed to "hold" in their respective strips. Inasmuch as each one of these points has a companion sub point that was both adequately distinguishable in bridging and held in computation, it is recommended that all of the questionable sub stations discussed above be thrown out.

#### 24. Supplemental Data

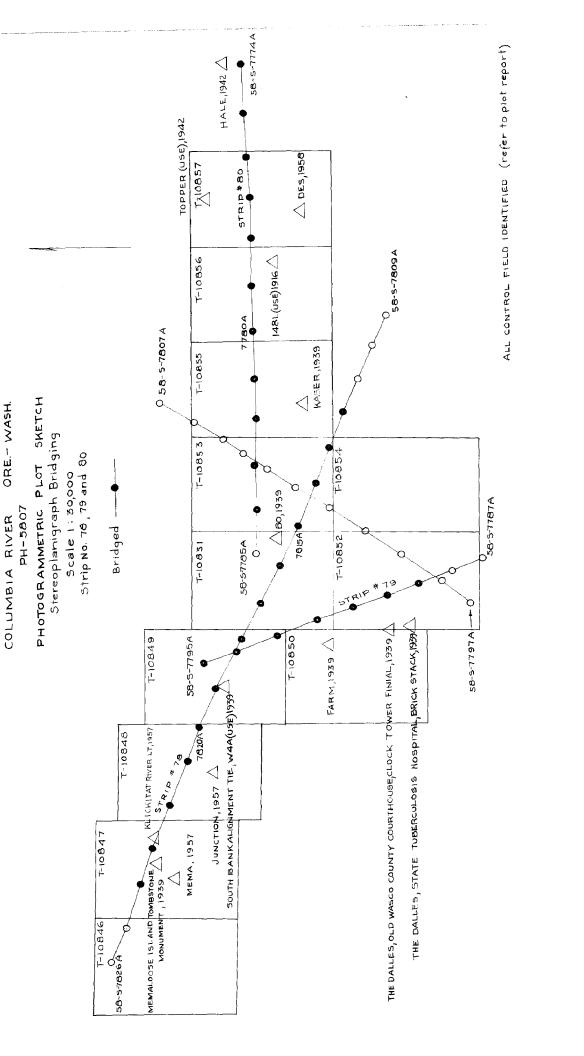
None

#### 25. Photography

Photographs of scale 1:30,000 used in the bridging of the area covered in this report were:

58-S-774A thru 7784A — 7778-7754 only rec. 58-S-7789A thru 7795A 58-S-7812A thru 7824A

Photography was adequate in quality.



DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY DATROL RECORD

COMM- DC. 57843 DISTANCE
FROM GAID OR PROJECTION LINE FROM GRID OR PROJECTION LII
IN METERS
IN METERS (BACK) FORWARD None 12-1-59 12-5-58 SCALE FACTOR 612.1) (777.57)818.1) (1462,3)(0.949 1402,8) 517.3) 242.8) 358.4) 635,2) 1406.7) 634.4) (660.3) (831,3) 860.1) (1405.1)775.2) 217.3) 1104.5) 922,4 1389.0) (1506.1)(1051.7) (BACK) (1999)N.A. 1927 - DATUM FORWARD 118.9 888.8 121,2 106.6 857.9 692,7 911.9 117.3 705.9 61.7 663.9 748.8 878.0 889,6 863.7 1281,2 419.5 1006.7 1165.6 601,6 1306.7 135.0 17.9 DATUM SCALE OF MAP 1:10,000 CHECKED BY. J.L.H. OR PROJECTION LINE IN METERS (2084, 10)(4797,66) DISTANCE FROM GRID IN FEET, (2119.42)(1697, 27)(4650,12) (2008,23)(2821.86) (4615.25)(4602,25) (2081,50) (2166.30)(2727,42)(2185.50)(2683,95) 796,46) (1175.78)(2543,33) (3026,24) 712.90) 4557,01) (4610,03 (3623.72)(4941.22)(3450.90)(BACK) FORWARD 2880.58 2272,58 2316,05 202,34 442,99 58.78 389.97 2915,90 384.75 397.75 2918.50 3302.73 349.88 2833.70 2814,50 2991.77 4203.54 3824,22 2178.14 2456.67 1973,36 1376,28 287,10 1549.70 LONGITUDE OR x-COORDINATE LATITUDE OR V. COORDINATE 782,915,90 740,384.75 ,782,880.58 740,397.75 1,782,918.50 743,302,73 1,785,349,88 782,272,58 737,814.50 1,782,316,05 .779.203.54 745,202,34 1,788,824,22 1,786,973,76 740,389,97 737,833,70 742,991.77 747,178,14 1,777,456,67 741.376.28 744, 287, 10 1,790,442,99 740,058,78 1,781.549.70 PROJECT NO. Ph-5807 12-1-59 12-4-58 DATE. DATUM 1927 N.A. = o<sup>≈</sup> = = = = = = = = = SOURCE OF Oreg.N. Pg.1196 OregoN. Oreg.N. Oreg.N. Pg. 28 Pg.41 Pg.41 PE. 29 Pg. 28 Pg. 41 8.41 E. 41 = = = COMPUTED BY. J.E.D. TE 2 & 3N RIZE SECS TON RIZE SEC. 33 USE THE SECS 32833 MAP T. 10847 AIRWAY BEACON #6-B Tombstone monument MEMALOOSE ISLAND, PORTLAND-SPOKANB MOSIER UPPER LT. #A# Sub Station "B" & 32 USE 1 FT.=.3048006 METER MEANDER CORNER MONUMENT, 1939 ROWLAND, 1939 MONUMENT C 38 STATION SAUTER, 1939 HUDSON, 1939 Ditto Station Ditto 1939 1957 1939 1939 MEMA, 5,6,31 Sub

DATE



FORM 164 (4.23.54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
ONTROL RECORD

COMM- DC- 57843 FACTOR DISTANCE FROM GRID OR PROJECTION LIN IN METERS (BACK) FORWARD SCALE FACTOR None 12-1-59 FROM GRID OR PROJECTION LINE IN METERS 640.3 (1405.4) (BACK) N.A. 1927 - DATUM DATE FORWARD 118.6 883.7 DATUM SCALE OF MAP 1:10,000 J.L.H. OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. (4610,87) (2100.58)(BACK) CHECKED BY:.... FORWARD 389,13 2899,42 PROJECT NO. Ph-5807 LONGITUDE OR x - COORDINATE LATITUDE OR "-COORDINATE 740,389,13 1,782,899,42 12-1-59 DATE... SOURCE OF INFORMATION DATUM 1927 N.A. Oreg.N. Pg. 277 J.E.D. MAP T. 10847 T-31 (OSHD) 1957 ( FT.= .3048006 METER STATION COMPUTED BY .... BENCH MARK

#### COMPILATION REPORT

#### Map Manuscript T-10847

#### Project Ph-5807

#### 31. Delineation:

The Kelsh Stereoscopic Instrument was used to compile the planimetry.

There were parts of three flights of C&GS 1958 photography falling within the area of this map manuscript which were adequate to compile all of the planimetry. The stereoplanigraphy bridge used only the flight which included photographs 58 S 7823A and 7824A to locate pass points. From these pass points it was possible to crient a model in a flight to the north of photographs 58 S 7864A and 7865A and the planimetry was completed to the northern limits of the manuscript. It was not possible to orient models in the flight to the south of photographs 58 S 7847A thru 7849A and therefore an area in the southwest portion of the manuscript south of Latitude 45° 40' 30" could not be detailed.

Refer to letter modifying the instructions 732/rrj dated 21 May 1959.

Refer to the last paragraph under Item 37 in the descriptive report for T-10837 (1959), page 19.

#### 32. Control:

Refer to the Photogrammetric Plot Report (Stereoplanigraph Bridge) T-10847 thru T-10857 which is included in this Descriptive Report, pages 12 and 13.

The pass points located in this control extension along with the identified horizontal control stations were adequate to orient the Kelsh models as explained under Item 31, Delineation.

#### 33. Supplemental Data:

None.

Items 34 thru 37:

Facts relative to the subjects of Items 34 thru 37 are identical with those described under these items in the Descriptive Report for T-10837 (1959) except that under Item 34 the U.S.G.S.

15 minute quadrangle "White Salmon", Oreg. - Wash., Scale 1:62,500, published 1957 was availaber for comparison with drainage. Also under Item 37 the Forms 567 were forwarded to Washington on 31 Aug. 1959.

#### 38. Control for Future Surveys:

One aid to navigation was located by Kelsh Instrument. It is listed under Item 49. Notes to the Hydrographer.

#### 39. Junctions:

A satisfactory junction has been made on the east with T-10848 and on the west with T-10846.

#### 40. Horizontal and Vertical Accuracy:

Identical with T-10837.

#### 46. Comparison with Existing Maps:

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

#### 47. Comaprison with Nautical Charts:

Identical with T-10837.

Approved:

Lorne G. Taylør LCDR, C&GS

Officer-in-Charge

Respectfully submitted:

J. Edward Deal

J. Edward Deal Cartographer

C&GS

GEOGRAPHIC NAMES LIST

Balch Lake

Catherine Creek Chatfield \*Columbia River Columbia River Highway

Hewett Lake

Klickitat County

Lewis & Clark Hichway

Major Creek Memaloose Island Memaloose Park

\*Oregon

Rowena Creek Rowland Lake

Spokane, Portland & Seattle R.R.

Union Pacific .R.R.

™asco County \*Washington

\* B.G.N. Decision

SCRAPHIC NAMES SECTION 9 MARCH 1960

1

#### 49. Notes to the Hydrographer:

One aid to navigation "Memaloose Island Light 29, 1959 was located by Kelsh Instrument.

#### PHOTOGRAMMETRIC OFFICE REVIEW

#### T-10847

	CONTROL STATIONS
E. Warizantel control etations of third	d-order or higher accuracy X 6. Recoverable horizontal stations
	hic stations) X 7. Photo hydro stations None 8. Bench marks
	10. Photogrammetric plot report <u>Roke</u> 11. Detail points <b>Kone</b>
9. Plotting of sextent fixesROBB	10. Photogrammetric plot report 11. Detail points
•	ALONGSHORE AREAS
	(Nautical Chart Data)
12. Shoreline X 13. Low-wate	er line None 14. Rocks, shoals, etc. X 15. Bridges None 10
	ks None 18. Other alongshore physical features X 19. Other s
shore cultural features	
	PHYSICAL FEATURES
20. Water features X 21. Na	itural ground cover <u>X</u> 22. Planetable contours <u>Nome</u> 23. Stered
instrument contours None 24. C	Contours in general <u>None</u> 25. Spot elevations None 26. Other p
features X	
	CULTURAL FEATURES
27 Ponds X 28 Ruildings	X 29. Railroads X 30. Other cultural features X
27. 110000 201 - 211411130 -	
-	BOUNDARIES
31. Boundary lines32. Pt	
•-•	•
÷	MISCELL ANEOLIS
	MISCELLANEOUS  Lunctions X 35 Legibility of the manuscript X 36. Discre
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33. Geographic names34.	Junctions 35, Legibility of the manuscript 36. Discre
33. Geographic names 34. overlay 37. Descriptive Re 40 Reviewer	Junctions X 35, Legibility of the manuscript X 36. Discrete port X 38, Field inspection photographs X 39, Forms X J. Edward Deal
33. Geographic names 34.  overlay 37. Descriptive Re	Junctions X 35, Legibility of the manuscript X 36. Discrete port X 38, Field inspection photographs X 39, Forms X J. Edward Deal
33. Geographic names 34. overlay 37. Descriptive Re 40 Reviewer 41. Remarks (see attached sheet)	Junctions X 35. Legibility of the manuscript X 36. Discrete Part X 38. Field inspection photographs X 39. Forms X 39. Forms X Supervisor, Review Section or Unit
33. Geographic names 34. overlay 37. Descriptive Re 40 Reviewer 41. Remarks (see attached sheet)	Junctions X 35, Legibility of the manuscript X 36. Discrete port X 38, Field inspection photographs X 39, Forms X J. Edward Deal
33. Geographic names 34. overlay 37. Descriptive Re 40 Reviewer 41. Remarks (see attached sheet)  F(ELD COMPLET) 42. Additions and corrections furnis	Junctions X 35, Legiblity of the manuscript X 36. Discrete part X 38, Field inspection photographs X 39, Forms X 39, Forms X 39, Forms X Supervisor, Review Section or Unit  Supervisor, Review Section or Unit  ION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT shed by the field completion survey have been applied to the manuscript
33. Geographic names	Junctions X 35. Legiblity of the manuscript X 36. Discrete part X 38. Field inspection photographs X 39. Forms X J. R. Ward Deel Supervisor, Review Section or Unit  Supervisor, Review Section or Unit  ION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT shed by the field completion survey have been applied to the manuscript

# REVIEW REPORT TOF SHORELINE MAP MANUSCRIPTS T-10847 through T-10857 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 SALMON, ORE.-WASH., 1:62,500, 1957, U.S. Geological Survey THE DALLAS, ORE.-WASH., 1:62,500, 1957, U.S. Geological Survey WISHRAM, ORE.-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 Results and Future Surveys

T-10847 through T-10857 have been compiled according to instructions and meet the adequacy and accuracy requirements for this type of survey.

Reviewed by:

Approved by:

Chief, Review & Drafting Section Photogrammetry Division

Chief, Nautical Chart Division

#### NAUTICAL CHARTS BRANCH

#### SURVEY NO. $\underline{T-1084}$ 7

#### Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
Way 1962	6157	gudaila	After Verification and Review Part augil
3/2//79	18531B	6 James	Before After Verification and Review Consider
			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.