10343

Orig.

Diag. Cht. Nos. 5902-2,6002-2 & 6152.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric (Photogrammetric)

Field No. Ph-155 *Office No.* T-10343

LOCALITY

State Washington

General locality Columbia River

Locality Grays River

1955-1957

CHIEF OF PARTY

V. Ralph Sobieralski, Chief of Party
Lorne G. Taylor, Photogrammetric Office

LIBRARY & ARCHIVES

DATE MAY 1 1962

USCOMM-DC 5087

10343

FORM 181
(4-23-54)

2.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10343

Project No. (II): Ph-155 Quadrangle Name (IV):

Field Office (II): Seaview, Washington Chief of Party: V. Ralph Sobieralski
Unit Chief: R. B. Melby

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Lorne G. Taylor

Instructions dated (II) (III): 5 Oct. 1955)
12 Oct. 1955) II & III
3 July 1957)

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): 1:5000
Pantograph Scale: 1:10,000

Scale Factor (III):

Date received in Washington Office (IV): AUG 3 - 1961 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 3/5/62

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

Geographic Datum (III): N.A. 1927 Vertical Datum (III): X

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

Reference Station (III): Refer to T-10351

Lat.: Long.: Adjusted
Unadjusted

Plane Coordinates (IV): State: Zone:

Y= X=

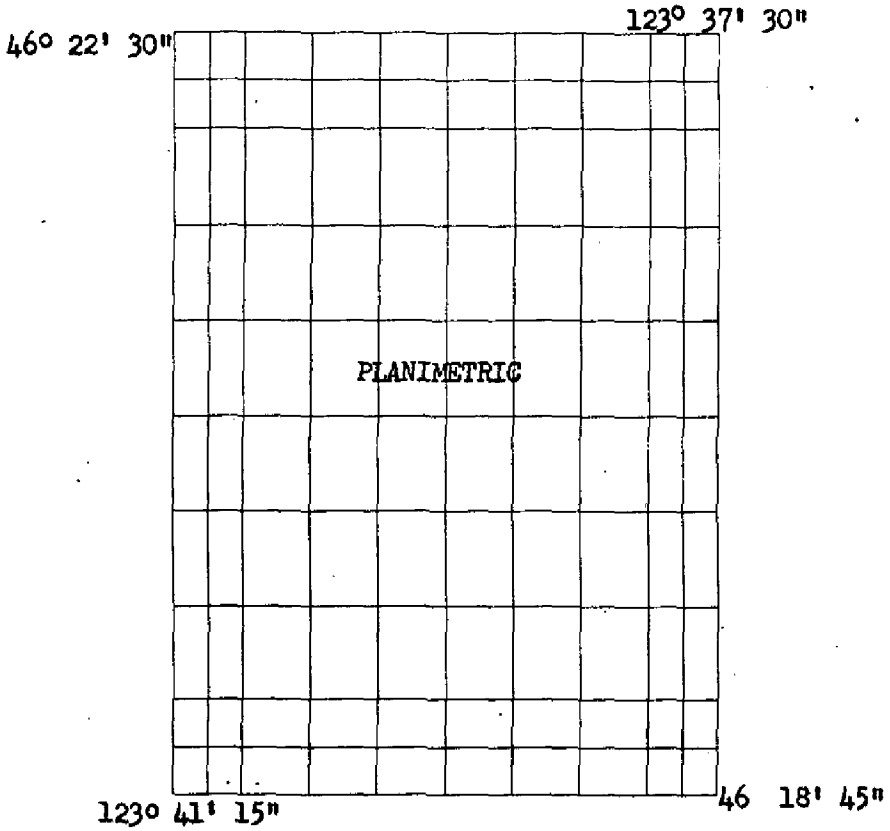
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): R. B. Melby — Date: Sept.-Oct. 1957

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): Oct. 1957 by field inspection and compilation by Kelsh Instrument.

Projection and Grids ruled by (IV): J. R. Haskins — Date: 11-19-57

Projection and Grids checked by (IV): L. Y. Fitzgerald — Date: 12-10-57

Control plotted by (III): D. N. Williams — Date: 3-3-58

Control checked by (III): L. L. Graves — Date: 3-3-58

Radial Plot or Stereoscopic Control extension by (III): J. D. Perrow Jr. — Date: Nov. 1957

Stereoscopic Instrument compilation (III):
Planimetry L. L. Graves — Date: 1-9-59
Contours — Date:

Manuscript delineated by (III): L. L. Graves, Scribing — Date: 3-1-60
C. C. Harris, Stick-up — 5-5-60

Photogrammetric Office Review by (III): J. E. Deal — Date: 6-8-60

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

FORM 181c
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

5.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): USC&GS Single "W"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55-W-9899 thru 9901	9-24-55	13:23	1:25,000	3.0 ft. above M.L.L.W.
55-W-9930 and 9931	"	13:43	"	"

Tide (III)

Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
	6.5	8.2
	6.1	7.7

Reference Station: Astoria, Oregon
Subordinate Station: Harrington Point, Wash.
Subordinate Station:

Washington Office Review by (IV): A.K. Ingwood Date: 2/23/62

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

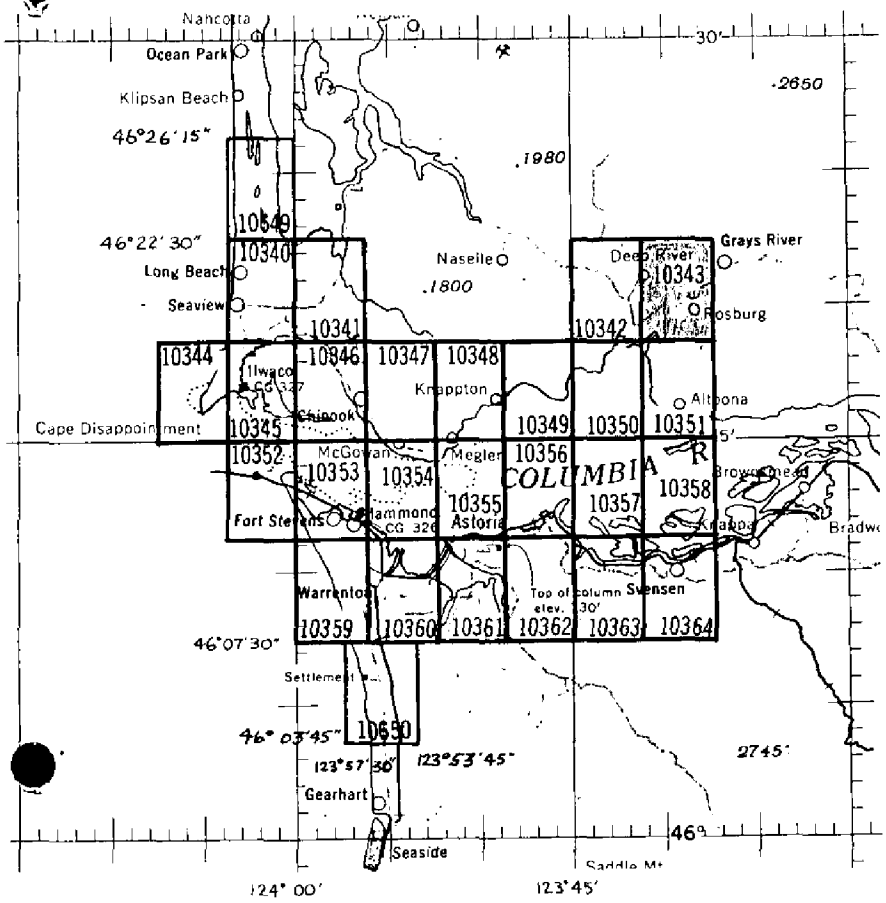
Land Area (Sq. Statute Miles) (III): 7
Shoreline (More than 200 meters to opposite shore) (III): None
Shoreline (Less than 200 meters to opposite shore) (III): 13
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 3
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 11
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

COMM-DC-57842

PLANIMETRIC PROJECT PH-155

MOUTH OF COLUMBIA RIVER, WASH.-OREGON



OFFICIAL MILEAGE FOR COST ACCOUNTS		
SHEET NO.	LIN.MI. SHORELINE	AREA SQ. MILES
10340	9	10
10341	8	12
10342	4	13
10343	7	13
10344	6	2
10345	13	3
10346	11	6
10347	3	12
10348	4	11
10349	4	8
10350	6	3
10351	8	9
10352	3	1
10353	9	4
10354	3	1
10355	4	2
10356	5	5
10357	8	1
10358	21	3
10359	5	6
10360	14	11
10361	15	9
10362	8	12
10363	17	10
10364	12	12
10649	8	8
10650	4	8
TOTAL	219	193

FIELD INSPECTION REPORT

Map Manuscript T-10343

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, "Mouth of Columbia River to Altoona", July 1957 to November 1957. (1H T-10649) DRA

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10343

Project Ph-155

Refer to the Photogrammetric Plot Report for Strips 7B and 8B which is included in the Descriptive Report for T-10340(1957).

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-10343 PROJECT NO. Ph-155 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
X-62 (USE) 1936	Wash.S. Office Comp.	N.A.	380,085.48	85.48	(4914.52)		26.1	(1497.9)		
		1927	1,201,762.28	1762.28	(3237.72)		537.1	(986.9)		
BR-2 (USE) 1936	"	" "	388,160.16	3160.16	(1839.84)		963.2)	(560.8)		
			1,214,598.08	4598.08	(401.92)		1401.5	(122.5)		
Y-62 (USE) 1936	"	"	383,949.16	3949.16	(1050.84)		1203.7	(320.3)		
			1,211,191.89	1191.89	(3808.11)		363.3	(1160.7)		
DO Sub Station	"	"	383.923.53	3923.53	(1076.47)		1195.9	(328.1)		
			1,211,223.89	1223.89	(3776.11)		373.0	(1151.0)		

Note: Refer to remarks in Photogrammetric Plot Report for Strips 7B and 8B relative to adequacy of above horizontal control. This report is included in the Descriptive Report fot T-10340 (1957)

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: J.E.D. DATE 10-30-57 CHECKED BY: J.L.H. DATE 11-1-57

COMPILATION REPORT

Map Manuscript T-10343

Project Ph-155

Items 31, 32 and 33:

Refer to Descriptive Report for T-10340 (1957).

34. Contours and Drainage:

Contours ~~and~~ are not applicable.

For the most part drainage was field inspected. Drainage not field inspected was interpreted in the compilation office assisted by reference to the Rosburg, Washington-Oregon, 7½ minute U.S.G.S. quadrangle.

35. Shoreline and Alongshore Details:

These features were adequately field inspected and no trouble was encountered during the compilation work.

Low-water lines were not determined.

There were no foreshore areas field inspected in Grays River and none were compiled.

36. Offshore Details:

Numerous piling were compiled offshore from the mean high-water line.

37. Landmarks and Aids:

None.

38. Junctions:

A satisfactory junction was made with T-10342 on the west and T-10351 on the south. There are no contemporary surveys to the north and east.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable. There are no areas believed to be of sub-normal horizontal accuracy other than the conditions referred to in the Photogrammetric Plot Report for Strips 7B and 8B.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute, Rosburg, Wash-Oreg. quadrangle, Scale 1:24,000, published 1949.

47. Comparison with Nautical Charts:

Comparison was made with Nautical chart No. 6151, Scale 1:40,000, 34th edition Oct. 19, 1960, corrected through Jan. 7, 1961 and Nautical Chart No. 6002, Scale 1:180,789, 10th Edition July 9, 1942, Revised May 23, 1960, corrected through Jan. 7, 1961.

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None.

Approved:

Fred Natella, CAPT, C&GS
Portland District Officer
for L
Lorne G. Taylor, CDR, C&GS

Respectfully submitted:

J. Edward Deal
Cartographer, C&GS

Map Manuscript T-10343

49. Notes to the Hydrographer:

Eleven recoverable topographic stations were located by Kelsh instrument methods. They are:

Name	Description	Field Photo No.
EAST 1957	West gable of barn	55 W 8706
HONK 1957	Ventilator on barn	"
VENT 1957	Ventilator on barn roof	"
BEND 1957	Southwest gable of a barn	"
GRAY 1957	North gable of barn	"
BUSH 1957	West gable of white house	55 W 8692
GATE 1957	Southeast gable of barn	"
WARE 1957	Southwest gable of building on piling	55 W 8706
LONG 1957	Ventilator on barn, west of two	"
FORK 1957	East gable black roofed barn	55 W 8707
SHED 1957	North gable long shed	"

During the control extension at the Washington Office it was noted that all control in this area is U.S.E. and as proven in other strips in this project it cannot be held in exact conjunction with Coast and Geodetic control.

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-10343

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. None 15. Bridges X 16. Aids to navigation None 17. Landmarks None 18. *Other alongshore physical features* X 19. *Other alongshore 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* None 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:

M-2623-12

48. Geographic Names:

*Deep River
Deep River (town)
Grays River
Hendrickson Creek
Hendrickson Canyon
Impie Creek
Johnson Creek
Malone Creek
Nikka Creek
Oneida
Rangila Hill
Rosburg
Seal Creek
Seal Slough
Wilcox Canyon

* B.G.N. Decision

George M. Baker
Geographic Names Section
13 February 1962

REVIEW REPORT
T-10340 through T-10351 and T-10649
Planimetric
February 21, 1962

62. Comparison with Registered Topographic Surveys:

Survey	Scale	Date	Survey	Scale	Date
H-240	836,000	1850	1341b	10,000	1873
317	22,762	1850-51	1342a	10,000	1873
H-334	221,360	1852	1894	20,000	1889
H-402			1806	10,000	1887
1123	10,000	1868	H-1930	10,000	1889
1138	10,000	1869	4251	20,000	1926
1139a&b	10,000	1869	6724ab	10,000	1936
1234	10,000	1870	6725ab	10,000	1936
1249	10,000	1870	6521b	10,000	1936

The manuscripts listed in this report supersede those surveys listed above for construction of nautical charts.

63. Comparison with Maps of Other Agencies:

Comparison was made with all available maps during the photographic review. For specific details refer to the Compilation Report for each manuscript.

64. Comparison with Contemporary Hydrographic Surveys:

Hydrographic survey H-8416 (1958) covers the three most western sheets in the project T-10340, T-10344 and T-10649. Comparison between these three sheets and the hydro survey revealed no inconsistandes.

65. Comparison with Nautical Charts:

6002	1:180,789	10 Edition 1942	1/7/61
6151	1:40,000	34 Edition 1960	1/7/61

66. Adequacy of Results and Future Surveys:

These maps comply with instructions and meet National Standards of Map Accuracies except as detailed below.

Many offshore details such as fishtraps, lines of pile, etc. were shown on the manuscript and labeled P.D. (Position Doubtful). These features were not field inspected, being some distance offshore their accuracy may not be standard. They should be accurately positioned during hydrography.

Respectfully submitted:

A. K. Heywood

Approved:

L. C. Lande, Chief
Review and Edit Section

Chief, Nautical Chart Div.

Chief, Div. of Photogrammetry 5/21/62

Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10343

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/2/63	6151	G.M.	~~Before~~ After Verification and Review
			(Part applied (Exam only))
			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.