

# 10350

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

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-10350

### LOCALITY

State Washington - Oregon

General locality Columbia River

Locality Grays Bay

1932-55-1958

### CHIEF OF PARTY

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

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DATE MAY 1 1962

USCOMM-DC 5087

# 10350

DESCRIPTIVE REPORT - DATA RECORD

T - 10350

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 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):

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): DEEP, 1935

Lat.: 46° 18' 16.903"

Long.: 123° 42' 02.740"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: South

Y= 370,628.22

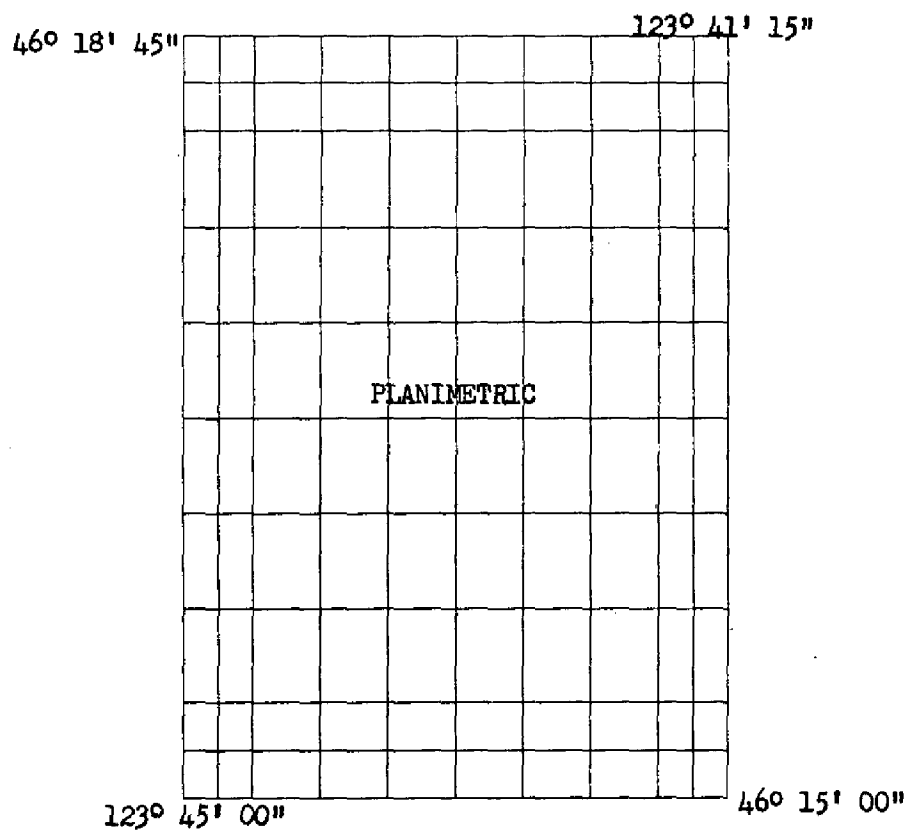
X= 1,191,278.73

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. Bishop & R. B. Melby Date: Nov. 1957

Planetable contouring by (II): Date:

Completion Surveys by (II): *supplementary aids determined* Date: *1958*

Mean High Water Location (III) (State date and method of location): By field inspection in Nov. 1957 and compiled by Kelsh Instrument.

Projection and Grids ruled by (IV): J. R. Haskins Date: 10-31-57

Projection and Grids checked by (IV): J. B. Phillips Date: 11-14-57

Control plotted by (III): E. T. Jenkins Date: 2-6-58

Control checked by (III): L. L. Graves Date: 2-6-58

Radial Plot or Stereoscopic Control extension by (III): John D. Perrow, Jr. Date: 1-28-58

Stereoscopic Instrument compilation (III): Planimetry L. L. Graves Date: 2-26-58  
Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing Date: 4-7-59  
C. C. Harris, Stick-up 6-14-60

Photogrammetric Office Review by (III): J. E. Deal Date: July 1960

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

# DESCRIPTIVE REPORT - DATA RECORD

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

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide	
		Time				
55-W-8666 & 8667	6-6-55	11:51		1:10,000 ratio	2.7'	above M.L.L.W.
55-W-8691 & 8692	"	12:10		"	2.7'	" "
55-W-9883 & 9884	9-24-55	13:08		1:25,000 contact	3.0'	" "

Tide (III)

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

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 3  
Shoreline (More than 200 meters to opposite shore) (III): 6  
Shoreline (Less than 200 meters to opposite shore) (III):  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 6  
Number of BMs searched for (II): None  
Number of Recoverable Photo Stations established (III): None  
Number of Temporary Photo Hydro Stations established (III): None

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

Date: 2/23/62

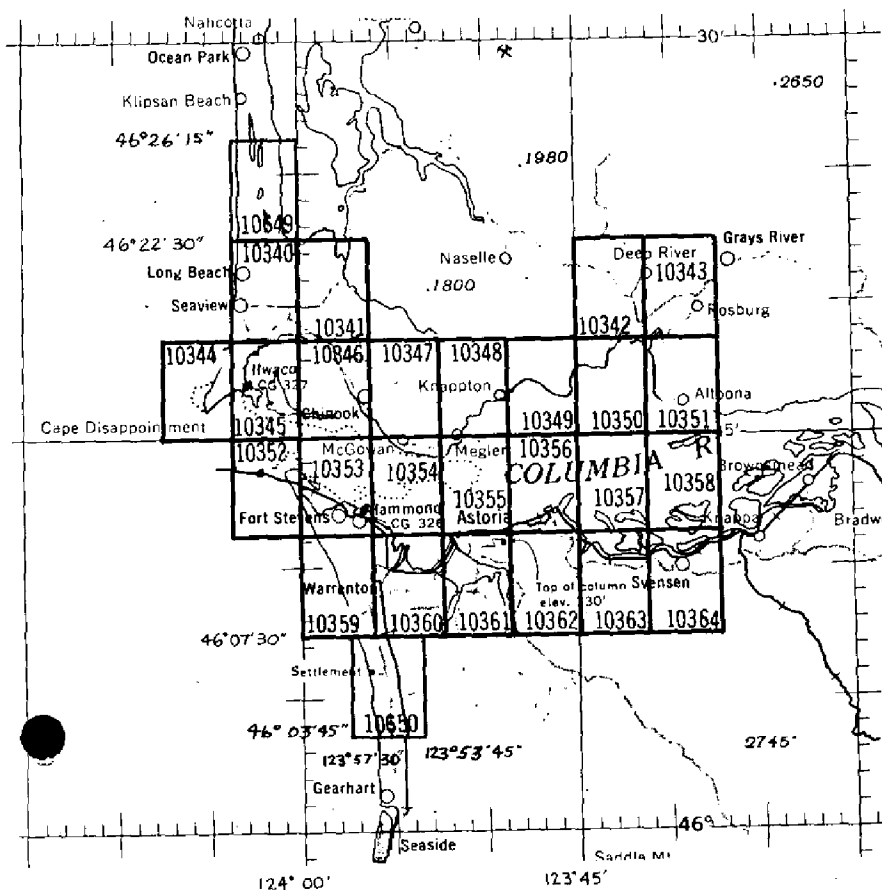
Date:

Date:

Date:

Remarks:

# PLANIMETRIC PROJECT PH-155 MOUTH OF COLUMBIA RIVER, WASH.-OREGON



## OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN. MI. SHOR. LINE	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	<u>4</u>	<u>8</u>
TOTAL	219	193

## FIELD INSPECTION REPORT

Map Manuscript T-10350

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, "Mouth  
of Columbia River to Altoona", July to November 1957. (IN T-10644)

AKA

## PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10350

Project Ph-155

Recommendations contained in the Stereoplanigraph Bridge Report for Strip #6 were followed. This report is included in the Descriptive Report for T-10346 (1957).





## COMPILATION REPORT

Map Manuscript T-10350

Project Ph-155

31. Delineation:

The Kelsh Instrument was used for compilation of planimetry. Field inspection was adequate.

32. Control:

The horizontal control furnished by the stereoplanigraph bridge and the stations identified by the field unit were adequate.

33. Supplemental Data:

Oregon Senate Bill No. 1, Chapter 94 O.L. 1957.

34. Contours and Drainage:

Contours are not applicable.

Drainage was spot field inspected. The drainage was discernable on the photographs and was compiled by office delineation using the U.S.G.S. Rosburg, Wash - Oreg. 7½ minute quadrangle as reference.

35. Shoreline and Alongshore Details:

Field inspection of these features was adequate and no difficulties were encountered.

Foreshore areas are shown.

Approximate low-water lines could not be determined from the photographs.

36. Offshore Details:

Offshore details include numerous piling and the approximate limits of mud flat islands which bare during low tides.

37. Landmarks and Aids:

There are no landmarks.

Forms 567 are submitted for two fixed aids to navigation.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10342 on the north, T-10349 on the west and T-10351 on the east. To the south is the Columbia River and no planimetry exists at the junction with T-10357.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable. There are no areas believed to be of sub-normal horizontal accuracy.

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 1:60,000, 34th Edition Oct. 10, 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:

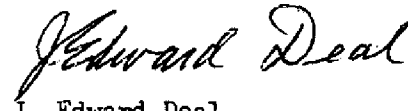
None.

Approved:



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

Respectfully submitted:



J. Edward Deal  
Cartographer

Map Manuscript T-10350

49. Notes to the Hydrographer:

No recoverable topographic stations were located.

Two triangulation stations are located along the shoreline and were recovered and identified during field inspection.

Two fixed aids to navigation were located by triangulation methods.

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10350

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) None 7. Photo hydro stations None 8. Bench marks None 9. Plotting of sextant fixes None 10. Photogrammetric plot report ☒ 11. Detail points ☒

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges None 16. Aids to navigation ☒ 17. Landmarks None 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

## PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features None

## CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads None 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines ☒ 32. Public land lines None

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay None 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. \_\_\_\_\_  
Reviewer

Richard 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:



48. Geographic Names:

Brix Bay  
Clatsop County  
Columbia River  
\*Deep River  
Frank Born Creek  
Grays Bay  
Miller Point  
Pacific County  
Sisson Creek  
Wahkiakum County

\* B.G.N. Decision

  
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 inconsistencies.

**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  
A. K. Heywood

Approved:

L. C. Lande  
L. C. Lande, Chief  
Review and Edit Section

Marvin T. Carlson  
Chief, Nautical Chart Div.

J. E. Waugh 5/21/62  
Chief, Div. of Photogrammetry

Mac Pitts  
Chief, ~~Coastal Surveys Div.~~  
Operations

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-10350

### Record of Application to Charts

[illegible]

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.