

10344

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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 <u>Planimetric (Photogrammetric)</u>	
Field No. <u>Ph-155</u>	Office No. <u>T-10344</u>
LOCALITY	
State <u>Washington</u>	
General locality <u>Columbia River</u>	
Locality <u>North Head</u>	
<u>1957.51-1957</u>	
CHIEF OF PARTY	
<u>V. Ralph Sobieralski, Chief of Party</u>	
<u>Lorne G. Taylor, Photogrammetric Office</u>	
LIBRARY & ARCHIVES	
DATE <u>MAY 1 1962</u>	

USCOMM-DC 5087

10344

DESCRIPTIVE REPORT - DATA RECORD

T - 10344

Project No. (II): Ph-155

Quadrangle Name (IV):

Field Office (II): Seaview, Washington

Chief of Party: V. Ralph Sobieralski

Unit Chief: C. H. Bishop

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): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

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):

Mean sea level except as follows: X
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): BURNT, 1956

Lat.: 46 16' 00.723"

Long.: 124, 04' 51.240"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: South

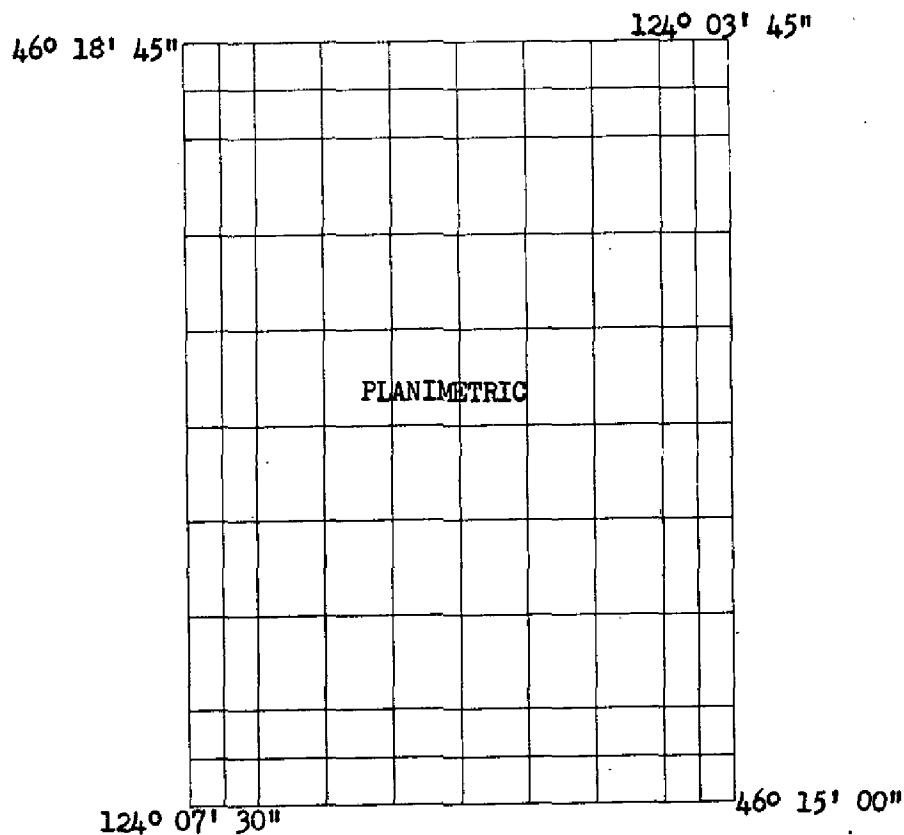
Y= 360,977.05

X= 1,094,667.29

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	Date:	Oct. 1957
Planetable contouring by (II):		Date:	
Completion Surveys by (II):		Date:	
Mean High Water Location (III) (State date and method of location): Located by field inspection in October 1957 and compiled by graphic methods.			
Projection and Grids ruled by (IV):	J. R. Haskins	Date:	11-13-57
Projection and Grids checked by (IV):	I. Y. Fitzgerald	Date:	11-13-57
Control plotted by (III):	D. N. Williams	Date:	Nov. 1957
Control checked by (III):	L. L. Graves	Date:	Nov. 1957
Radial Plot or Stereoscopic Control extension by (III):	J. E. Deal & D. N. Williams	Date:	12-13-57
	Planimetry	Date:	
Stereoscopic Instrument compilation (III):	Contours	Date:	
Manuscript delineated by (III):	D. N. Williams, Compilation L. L. Graves, Scribing C. G. Harris, Stick-up	Date:	9-24-58 10-15-58 4-14-59
Photogrammetric Office Review by (III):	J. E. Deal	Date:	June 1960
Elevations on Manuscript checked by (II) (III):		Date:	

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Single lens "W"
USC&GS 9 lens focal length 8.25 inches

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55-W-8677 & 8678	6-6-55	12:00	1:10,000 (ratio)	6.0' above M.L.L.W.
34365 & 34366	10-25-51	11:19	1:10,000	3.0' above M.L.L.W.

Tide (III)

Reference Station: Astoria, Oregon
Subordinate Station: Entrance (North Jetty)
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal
		Spring Range
	6.1	7.9
	6.0	7.6

Washington Office Review by (IV):

Date: 2/23/62

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

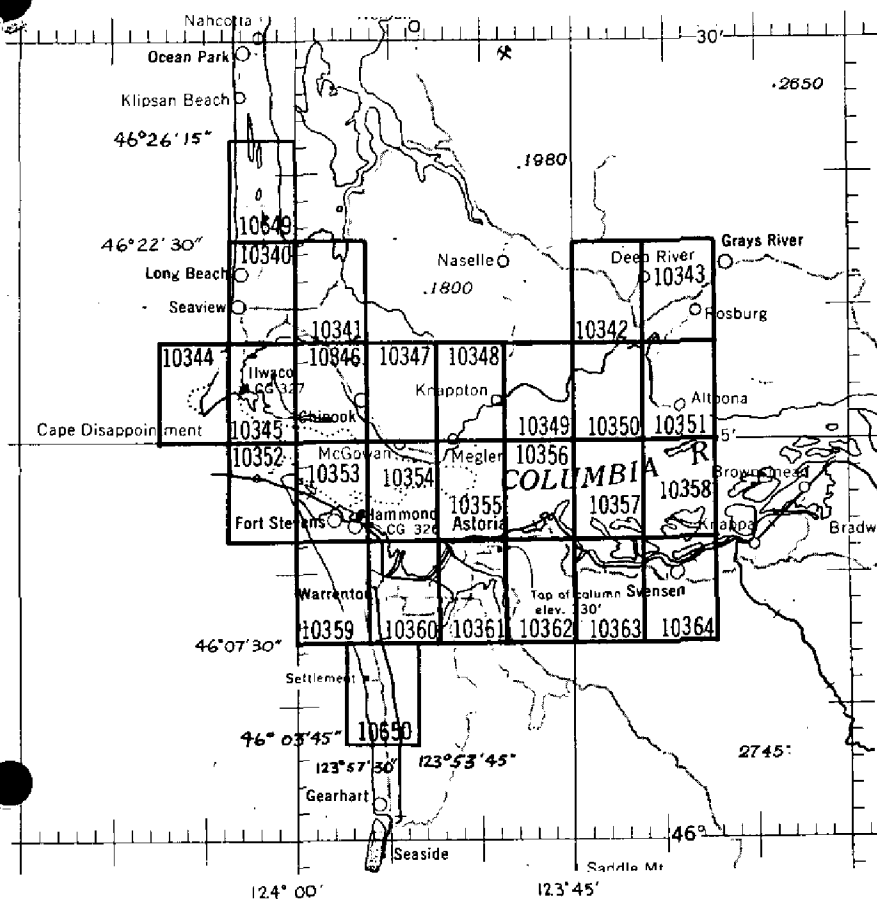
Date:

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 6
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 12 Recovered: 8 Identified: 2
Number of BMs searched for (II): 3 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

PLANIMETRIC PROJECT PH- 155

MOUTH OF COLUMBIA RIVER, WASH.-OREGON



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN.MI. SHORT 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	4	8
TOTAL	219	193

FIELD INSPECTION REPORT

Map Manuscript T-10344

Project Ph-155

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

DKH

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10344

Project Ph-155

This control extension for this manuscript is part of the small radial plot described in the Descriptive Report for T-10352 (1957).

SCALE FACTOR None

[illegible]

COMPILATION REPORT

Map Manuscript T-10344
Project Ph-155

31. Delineation:

Graphic methods were used for the compilation. Nine lens photographs taken in 1951 and single lens photographs taken in 1955 were used. The field inspection was made on the 1955 photography and the planimetry compiled is of the date of field inspection October 1957. No difficulties were encountered and the field inspection was adequate.

32. Control:

The identified horizontal control and the pass points located in the radial plot were adequate to control the photographs for the location of minor detail points.

33. Supplemental Data:

The reservation lines of North Head Lighthouse Reservation were indicated by the Officer-in-Charge during personal contact with the field unit. Refer to blueprint North Head Light Station Scale 1" = 250', dated 1905. The Fort Canby Reservation line was indicated by The Portland District Engineers Real Estate Division during personal contact with the Portland Office.

34. Contours and Drainage:

Contours are not applicable.

Drainage was visible on the photographs and indicated by field inspection.

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.

Foreshore areas visible on the photographs were compiled along the Pacific Ocean Shoreline.

36. Offshore Details:

Rocks offshore from the mean high-water line were field inspected and compiled.

The mast of a wreck was located by theodolite cuts which are listed on the reverse side of Field Photograph 55-W-8677. This wreck is shown bare at M.L.L.W. on Nautical Chart 6151. It is completely covered at Mean High-Water.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10345 on the east and with T-10340 on the north. To the west and south is the Pacific Ocean.

40. Horizontal and Vertical Control:

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, Cape Disappointment, Wash.-Oreg., 1:24,000 Scale, 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

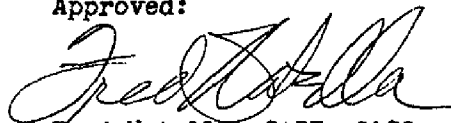
Items to be Applied to Nautical Charts Immediately.

None.

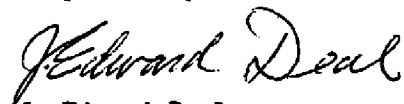
Items to be Carried Forward.

None.

Approved:


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

Respectfully submitted:


J. Edward Deal
Cartographer, C&GS

Map Manuscript T-10344

49. Notes to the Hydrographer:

No recoverable topographic stations were located.

The triangulation stations shown were recovered and identified during field inspection

Use field photographs 55 W 8676 and 8677 and nine lens office photographs No's. 34365 and 34366 when locating photo-hydro points.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10344

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 ☒ 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 None 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 ☒

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

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

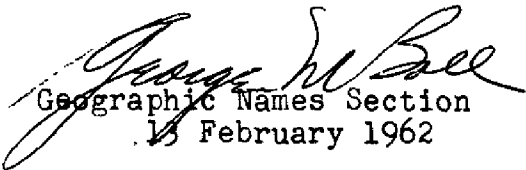
Supervisor

43. Remarks:

48. Geographic Names:

Beards Hollow
*Cape Disappointment
Clatsop County
Columbia River
Deadmans Hollow
*McKenzie Head
North Head
North Jetty
Pacific County
Peacock Spit

* B.GN. 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. Poulson
Chief, Nautical Chart Div.

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

Max Skidells
Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10344

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.