

10347

orig.

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-10347

LOCALITY

State Washington

General locality Columbia River

Locality Chinook Point

195755-157

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE MAY 1 1962

USCOMM-DC 5087

10347

DESCRIPTIVE REPORT - DATA RECORD

T - 10347

Project No. (II): Ph-155

Quadrangle Name (IV):

Field Office (II): Seaview, Washington

Chief of Party: V. Ralph Sobieralski

Photogrammetric Office (III): Portland, Oregon

Unit Chief: R. B. Melby

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 26 1955

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): FORT, 1935

Lat.: 46° 15' 08.664"

Long.: 123° 55' 23.613"

Adjusted
Unadjusted

Plane Coordinates (IV):

State: Washington

Zone: South

Y= 353,938.82

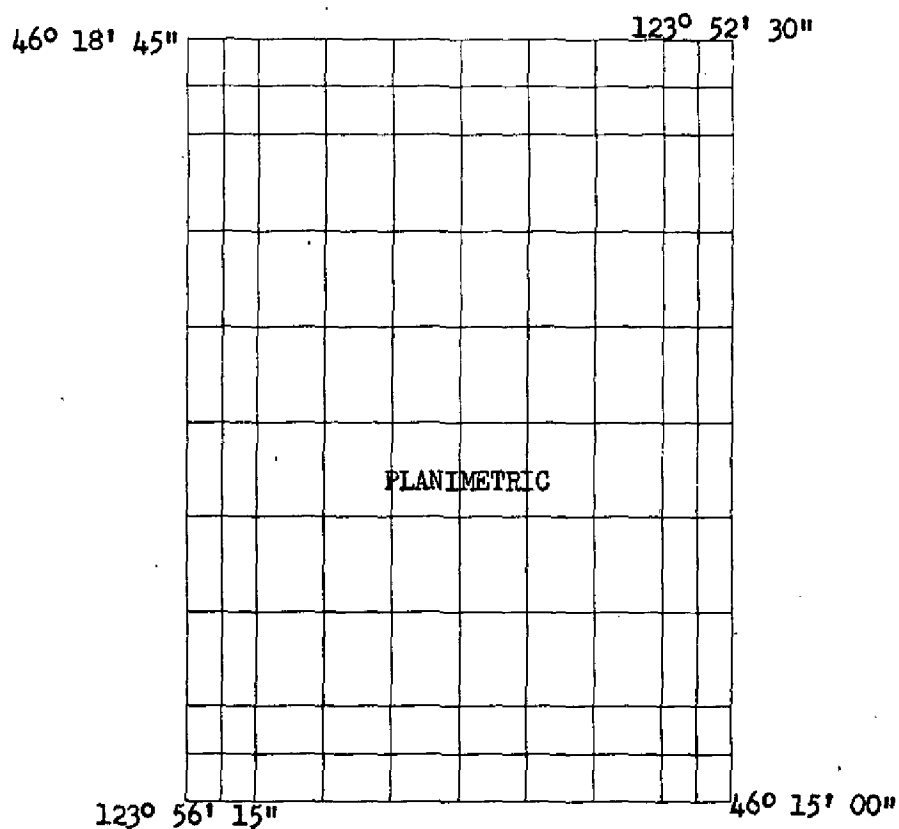
X= 1,134,276.50

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): Date:

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

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

Projection and Grids checked by (IV): I. Y. Fitzgerald Date: 10-31-57

Control plotted by (III): E. T. Jenkins Date: 2-5-58

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 D. N. Williams (Shoreline) 10-3-58
L.L. Graves (Interior) 1-19-59
Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing Date: 3-24-59
C. C. Harris, Stick-up 6-16-60

Photogrammetric Office Review by (III): J. E. Deal Date: 7-18-60

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	Time	Scale	Stage of Tide
55-W-9861 & 9862	9-24-55	12:52	1:25,000	3.2' above M.L.L.W.
55-W-9876 thru 9878	"	13:05	"	3.2' " "

Tide (III)

Reference Station: Astoria, Oregon
Subordinate Station: Chinook, Baker Bay, Washington
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring
		Range
	6.5	8.2
	6.2	7.9

Washington Office Review by (IV):

Date: 2/23/62

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

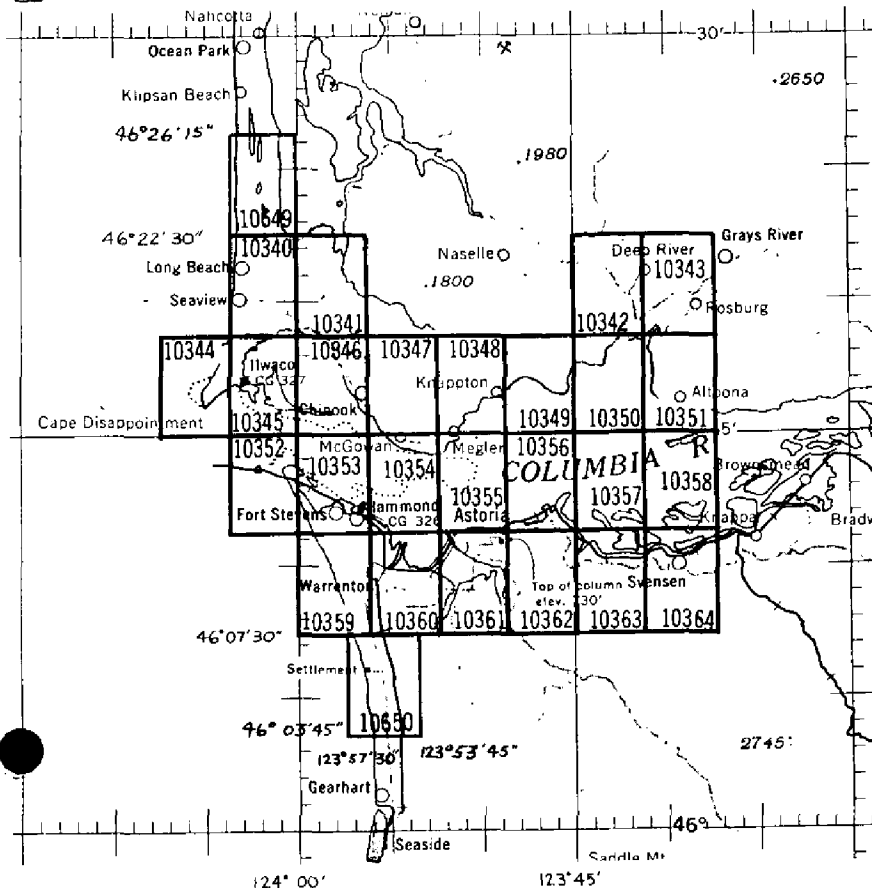
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 12
Shoreline (More than 200 meters to opposite shore) (III): 3
Shoreline (Less than 200 meters to opposite shore) (III): 1
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 12 Recovered: 7 Identified: 2
Number of BMs searched for (II): None Recovered: Identified:
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	<u>4</u>	<u>8</u>
TOTAL	219	193

FIELD INSPECTION REPORT

Map Manuscript T-10347

Project Ph-155

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

DKA

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10347

Project Ph-155

Refer to the Photogrammetric Plot Report for Strips #5 and #6 which is included in the Descriptive Report for T-10346 (1957).

COMPILATION REPORT

Map Manuscript T-10347

Project Ph-155

31. Delineation:

The Kelsh Instrument was used to compile the planimetry. Field inspection was satisfactory and no difficulties were encountered.

32. Control:

The identified horizontal control and the pass points located in Strips 5 and 6 of the Stereoplanigraph Bridge were adequate to control the Kelsh models.

33. Supplemental Data:

Blue line print, Fort Columbia Addition, Historical Monument, State of Washington, State Parks and Recreation Commission Scale 1" = 500'. Aerial photograph showing plan and proposed roads in Fort Columbia Historical Park. Loaned by National Parks Bureau, Portland, Oregon. Photograph returned.

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. Chinook, Washington - Oregon 7½ minute quadrangle as reference.

35. Shoreline and Alongshore Details:

The mean high-water line and alongshore details were adequately field inspected and no difficulty was encountered during compilation.

Approximate low-water lines are shown along the flat beaches and the character of the foreshore areas are indicated.

36. Offshore Details:

Several rocks awash, numerous piling and a fish trap area are shown.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10346 on the west, T-10348 on the east and T-10354 on the south. There is no contemporary survey to the north.

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. $7\frac{1}{2}$ minute Chinook, Wash. - Oreg., 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.

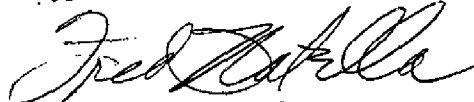
Items to be Applied to Nautical Charts Immediately;

None.

Items to be Carried Forward:

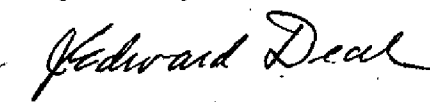
None.

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-10347

49. Notes to the Hydrographer:

No recoverable topographic stations were located.

There is one triangulation station situated along the shoreline at the mean high-water line.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10347

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 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 None 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:

Chinook Point
Chinook River
Columbia River
Fort Columbia Historical State Park
Scarboro Hill


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 D. Paulson
Chief, Nautical Chart Div.

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

Max Skelley
Chief, Coastal Survey Div.
Operations

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10347

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.