

10341

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-10341

LOCALITY

State Washington

General locality Columbia River

Locality Bear River

195755-1957

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE MAY 1 1962

USCOMM-DC 5087

10341

DESCRIPTIVE REPORT - DATA RECORD

T - 10341

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):

JUL 28 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):

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):

TANGENT (USE) 1939

Lat.: 46° 20' 56.901"

Long.: 123° 57' 16.331"

Adjusted **X**
Unadjusted

Plane Coordinates (IV):

State: Washington

Zone: South

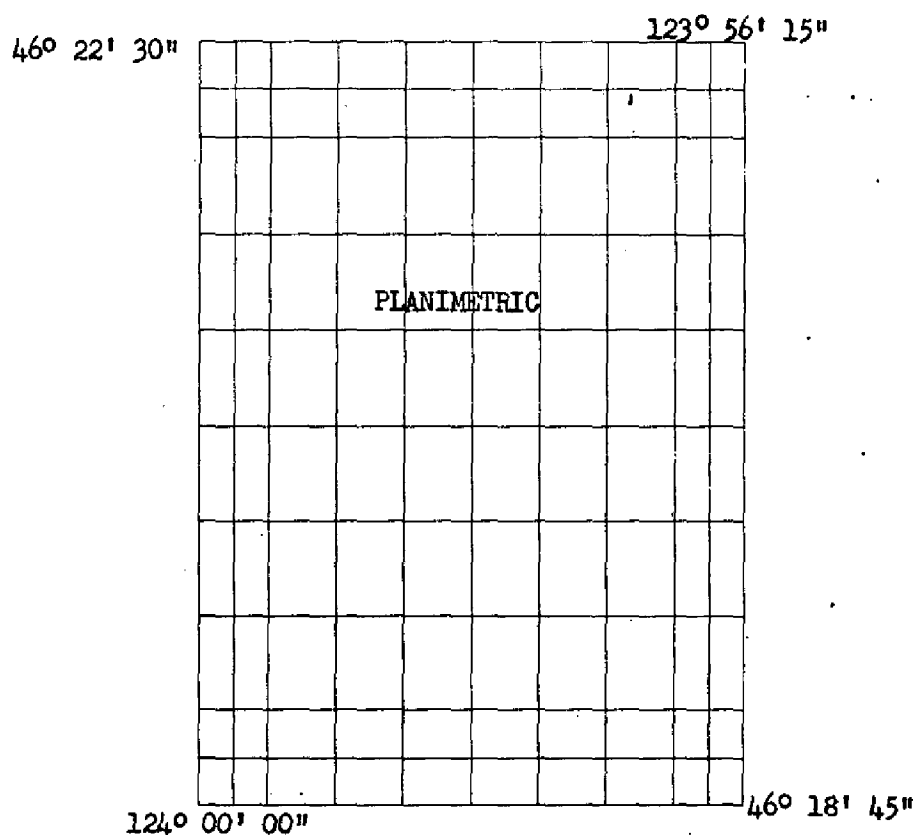
Y= 389,524.65

X= 1,127,907.60

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): 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: 11-20-57

Projection and Grids checked by (IV):

I. V. Fitzgerald

Date: 11-20-57

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):

John D. Perrow, Jr.

Date: Nov. 1957

Stereoscopic Instrument compilation (III):

Planimetry D. N. Williams

Date: 8-1-58

Contours

Date:

Manuscript delineated by (III):

L. L. Graves, Scribing
C. C. Harris, Stick-up

Date: 10-13-58
6-8-60

Photogrammetric Office Review by (III):

J. E. Deal

Date: Sept. 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" & "L"

Number	Date	Time	Scale	Stage of Tide
55 W 9909 & 9910	9-24-55	13:27	1:25,000	3.0 above M.L.L.W.
55 W 9919 & 9920	"	13:37	"	3.0 above M.L.L.W.

Aberdeen, Wn. for
Subordinate Sta.

Willapa Bay
Tarlatt Slough
2.1 ft. above M.L.L.W.

Tide (III)

Reference Station: Ilwaco, Baker Bay, Washington

Subordinate Station:

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): 12

Shoreline (More than 200 meters to opposite shore) (III): 8

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): 0

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

Diurnal		
Ratio of Ranges	Mean Range	Starting Range
	6.5	8.2
	6.0	7.6

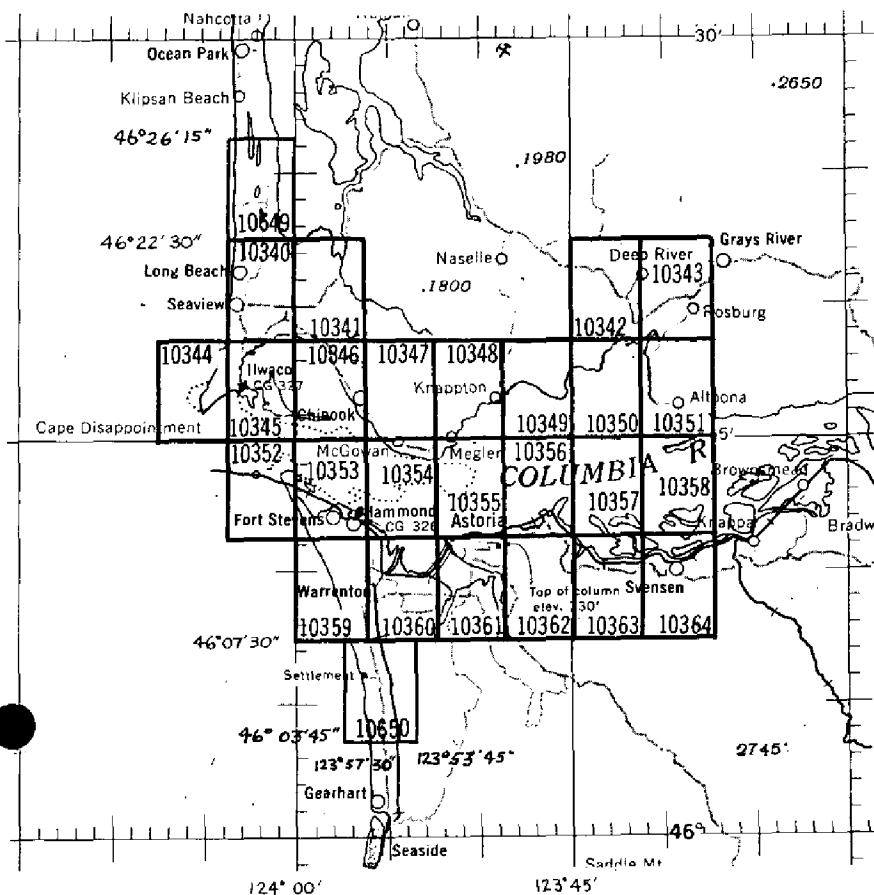
Date: 2/23/62

Date:

Date:

Date:

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-10341

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, "Mouth
of Columbia River to Altoona", July 1957 to November 1957. ~~BOWD WTA~~

T-10649
DGA

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10341

Project Ph-155

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

SCALE FACTOR

FT = 3048006 METER	COMM-DC-57843
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DATE 11-1-57

COMPILATION REPORT

Map Manuscript T-10341

Project Ph-155

Items 31, 32 and 33:

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

34. Contours and Drainage:

Contours 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 Chinook, Wash. - Orég. 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.

Foreshore areas were compiled in Bear River and Willapa Bay.

36. Offshore Details:

None.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10340 on the west and T-10346 on the south. There are no contemporary surveys to the north and east.

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, Chinook, 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. 7th,
1961 and Nautical Chart No. 6002, Scale, 1:180,789, 10th Edition
July 9, 1942, Revised May 23, 1960, Corrected through Jan. 7th,
1961.

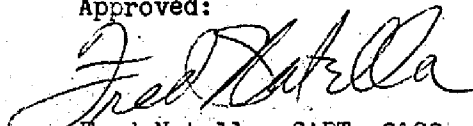
Items to be Applied to Nautical Charts Immediately.

None.

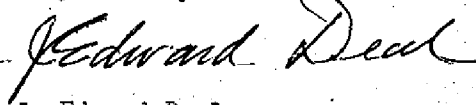
Items to be Carried Forward.

None.

Approved:


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

Respectfully submitted:


J. Edward Deal
Cartographer

48. Geographic Names:

Geographic names were obtained from a final name sheet furnished by the Washington Office and indicated on a copy of U.S.G.S. 7½ minute Chinook, Wash. - Oreg. quadrangle.

Bear River
Greenhead Slough
Wallacut River
Willapa Bay

Map Manuscript T-10341

49. Notes to the Hydrographer:

No recoverable topographic stations were located.

The triangulation stations shown were recovered and identified during field inspection.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10341

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 None 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 None

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. _____
ReviewerEdward 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:

Bear River
Greenhead Slough
*Shoalwater Bay
*Wallacut River

* B.G.N. Decision

George M. Bae
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
1139aab	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. R. Heywood
A. R. Heywood

Approved:

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

Maurice T. Paulson
Chief, Nautical Chart Div.

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

May L. Ricketts
Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10341

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.