

10348

Orig

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. _____	Office No. <u>T-10348</u>
LOCALITY.	
State _____	<u>Washington - Oregon</u>
General locality _____	<u>Columbia River</u>
Locality _____	<u>Megler</u>
<u>19 5755-1958</u>	
CHIEF OF PARTY	
<u>V. Ralph Sobieralski, Chief of Party</u>	
<u>Lorne G. Taylor, Photogrammetric Office</u>	
LIBRARY & ARCHIVES	
DATE	MAY 1 1967

USCOMM-OC 5087

10348

DESCRIPTIVE REPORT - DATA RECORD

T- 10348

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):

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): KNAPP 2, 1958

Lat.: 46° 16' 13.749"

Long.: 123° 49' 03.340"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington

Zone: South

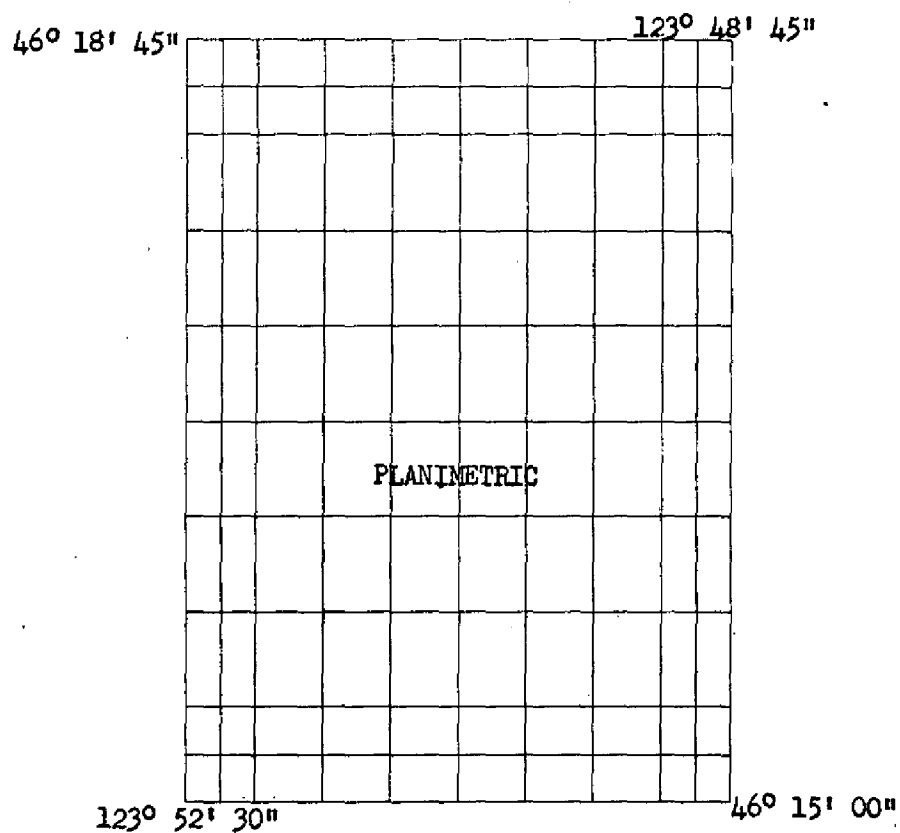
Y= 359,384.19

X= 1,161,251.56

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): 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: 11-14-57

Control plotted by (III): D. N. Williams Date: 3-4-58

Control checked by (III): L. L. Graves Date: 3-4-58

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

Stereoscopic Instrument compilation (III):
Planimetry D. N. Williams Date: 1-19-59
Contours Date:

Manuscript delineated by (III): J. L. Harris, Scribing Date: 3-25-59
C. C. Harris, Stick-up 5-11-60

Photogrammetric Office Review by (III): J. E. Deal Date: 7-6-60

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	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
55-W-9859 & 9860	9-24-55	12:50		1:25,000	3.3' above M.L.L.W.
55-W-9879 & 9880	"	13:06		"	3.3' " "

Tide (III)

Reference Station: Astoria, Oregon
Subordinate Station: Hungry Harbor, Washington
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6.5	8.2
	6.4	8.2

Washington Office Review by (IV):

Date: 2/23/62

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

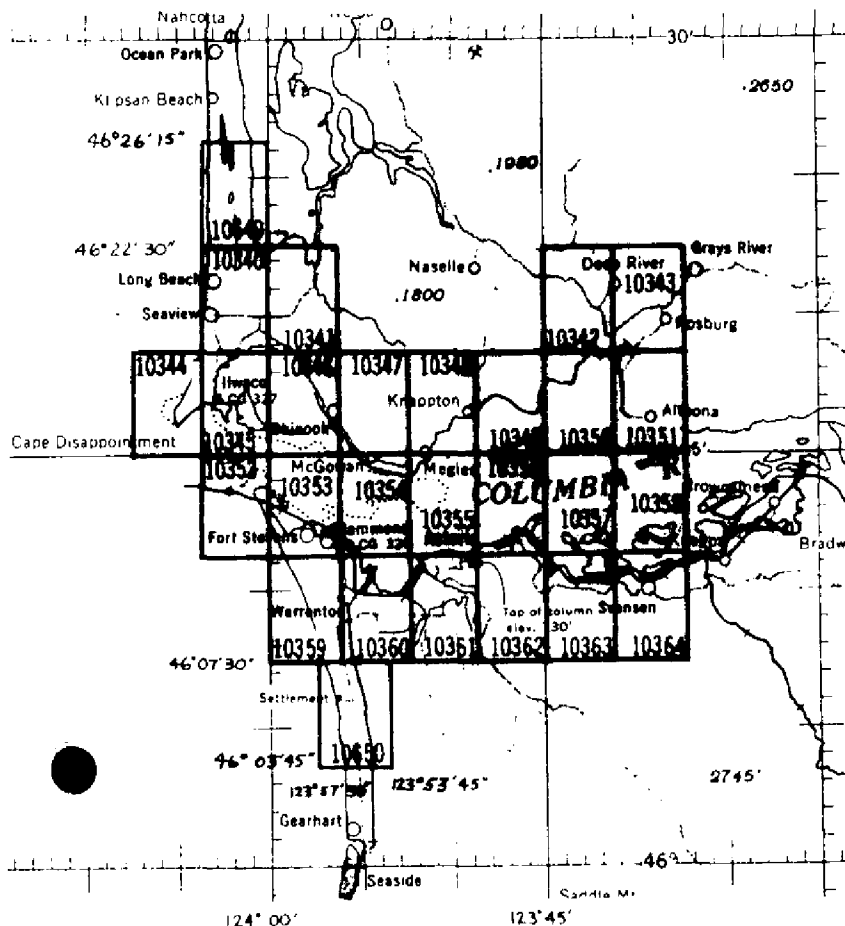
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 11
Shoreline (More than 200 meters to opposite shore) (III): 4
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 9 Recovered: 4 Identified: 3
Number of BMs searched for (II): 3 Recovered: 3 Identified: 1
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. 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-10348

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, Mouth
of Columbia River to Altoona, July 1957 to November 1957. (10 T-10649)

DKH

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10348

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-10348

Project Ph-155

Items 31 and 32:

Refer to Descriptive Report for T-10347 (1957).

33. Supplemental Data:

Twelve Blue Prints - Secondary State Highway 12B, Megler to Knappton, Scale 1" = 1 mi., Washington State Highways Commission.

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. Knappton, 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.

36. Offshore Details:

Several piling have been compiled directly offshore from mean high-water line.

37. Landmarks and Aids:

Forms 567 are submitted for two fixed aids to navigation.

Forms 567 are submitted for deletion of landmark.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions have been made with T-10347 on the west, T-10349 on the east and T-10355 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. 7½ minute Knappton, 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.

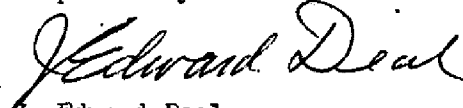
None.

Approved:

Respectfully submitted:



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



J. Edward Deal
Cartographer

49. Notes to the Hydrographer:

No recoverable topographic stations were located.

Megler Range Rear Light, 1958 and Quarantine Light, 1958
were located by triangulation.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10348

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 ☒
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 ☒ 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

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

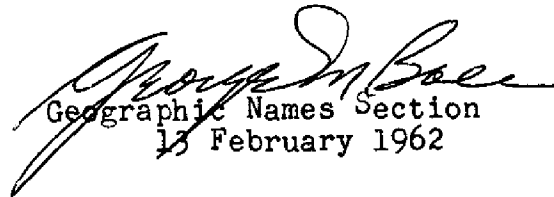
Supervisor

43. Remarks:

T-10348

48. Geographic-Names:

Cliff Point
Clatsop County
Columbia River
Hungry Harbor
Knappton
Megler
Pacific County


Geographic Names Section
13 February 1962

Portland, Oregon 2 Aug. 1961

The positions given have been checked after listing by J. E. Deak

Fred Natella *Chief of Party.*

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

USCOMM-DC 27126

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. Rubin
Chief, Nautical Chart Div.

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

Max Skelton
Chief, ~~Coastal Surveys Div.~~
Operations

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10348

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.