
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

**Type of Survey**  
Planimetric (Photogrammetric)

**Field No.** Ph-155  
**Office No.** T-10342

---

**LOCALITY**

**State**  
Washington

**General locality**  
Columbia River

**Locality**  
Deep River

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

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LIBRARY & ARCHIVES  
MAY 1 1962
DESCRIPTIVE REPORT - DATA RECORD

T - 10342

Project No. (II): Ph-155

Quadrangle Name (IV):

Field Office (II): Seaview, Washington

Chief of Party: V. Ralph Sobieralski

Unit Chief: R. B. Melby

Officer-in-Charge: Lorne G. Taylor

Photogrammetric Office (III): Portland, Oregon

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 (II):
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 3 - 1955

Date reported to Nautical Chart Branch (IV):

Date registered (IV):
3/5/62

Applied to Chart No.

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 (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):
See Map Manuscript T-10350

Lat.: Long.: Adjusted

Unadjusted

Plane Coordinates (IV):

State:

Zone:

X =

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.
Areas contoured by various personnel
(Show name within area)
(ii) (iii)
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. Bishop & R. E. Melby Date: 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 Kelah Instrument.

Projection and Grids ruled by (IV): J. R. Haskins Date: 11-20-57

Projection and Grids checked by (IV): I, V. Fitzgerald Date: 12-10-57

Control plotted by (III): None Date:

Control checked by (III): None Date:

Radial Plot or Stereoscopic Control extension by (III): J. D. Perrow Jr. Date: Nov. 1957

Stereoscopic Instrument compilation (III): Planimetry C. C. Harris Date: 12-4-58

Contours Date:

Manuscript delineated by (III): C. C. Harris, Scribing Date: 2-12-59

C. C. Harris, Stick-up 6-7-60

Photogrammetric Office Review by (III): J. E. Deal Date: 7-12-60

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

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

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>55-W-9902 &amp; 9903</td>
<td>9-24-55</td>
<td>13:24</td>
<td>1:25,000</td>
<td>3.0' above M.L.L.W.</td>
</tr>
<tr>
<td>55-W-9927 thru 9929</td>
<td>&quot;</td>
<td>13:42</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Tide (III)

| Reference Station: | Astoria, Oregon |
| Subordinate Station: | Harrington Point |

<p>| Ratio of | Mean | Spring |</p>
<table>
<thead>
<tr>
<th>Ranges</th>
<th>Range</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6.5</td>
<td>8.2</td>
</tr>
<tr>
<td></td>
<td>6.1</td>
<td>7.7</td>
</tr>
</tbody>
</table>

Date: 1-23-67

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 13
Shoreline (More than 200 meters to opposite shore) (III): 4
Shoreline (Less than 200 meters to opposite shore) (III): 1
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 6 Recovered: 2 Identified: 2
Number of BMs searched for (II): None Recovered: None Identified: None
Number of Recoverable Photo Stations established (III): 5
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
FIELD INSPECTION REPORT

Map Manuscript T-10342

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, "Mouth of Columbia River to Altoona", July 1957 to November 1957.
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10342

Project Ph-155

Refer to the Photogrammetric Plot Report for Strips 7B and 8B which is included in the Descriptive Report for T-10340 (1957).
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR η-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>W-62 (USE), 1936</td>
<td>Wash. S. Office 1927</td>
<td>378,973.62</td>
<td>3973.62 (1026.38)</td>
<td>1211.2 (312.8)</td>
</tr>
<tr>
<td>DO Sub Station</td>
<td>N.A.</td>
<td>1,193,613.91</td>
<td>3613.91 (1386.09)</td>
<td>1101.5 (422.5)</td>
</tr>
<tr>
<td>BR-3 (USE) R.M. 2, 1937</td>
<td>N.A.</td>
<td>378,945.54</td>
<td>3945.54 (1054.46)</td>
<td>1202.6 (321.4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,193,600.78</td>
<td>3600.78 (1399.22)</td>
<td>1097.5 (426.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>391,225.62</td>
<td>1225.62 (3774.38)</td>
<td>373.6 (1150.4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,176,704.47</td>
<td>1704.47 (3295.53)</td>
<td>519.5 (1004.5)</td>
</tr>
</tbody>
</table>

Note: The above stations could not be held in the stereoplanigraph bridge.

Refer to Item 49 of the Descriptive Report for T-10342.
COMPILATION REPORT
Map Manuscript T-10342
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 Rosburg, Washington-Oregon, 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 not field inspected in Deep River and
none were delineated at the compilation office.

36. Offshore Details:
Offshore details consist of piling and dolphins.

37. Landmarks and Aids:
None.
38. Control for Future Surveys:

Five structures were located by Kelsh Instrument. They are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made on the east with T-10343 and on the south with T-10350. There are no contemporary surveys to the west and north.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable. There are no areas believed to be of sub-normal horizontal accuracy other than the conditions referred to in the Photogrammetric Plot Report for Strips 7B and 8B.

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:


Items to be applied to nautical charts immediately:

None

Items to be carried forward:

None.

Approved:  Respectfully submitted:

Fred Natella, CAPT, C&GS  J. Edward Deal
Portland District Officer  Cartographer, C&GS
for
Lorne G. Taylor, CDR, C&GS
Map Manuscript T-10342

49. Notes to the Hydrographer:

Five recoverable topographic stations were located by Kelsh instrument methods. They are:

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Field Photo No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEEP 1957</td>
<td>West gable of White One Story Building, red roof</td>
<td>55 W 8708</td>
</tr>
<tr>
<td>WHIT 1957</td>
<td>South gable of Small White House, red roof</td>
<td>&quot;</td>
</tr>
<tr>
<td>SWIM 1957</td>
<td>Dolphin, South of highway bridge</td>
<td>&quot;</td>
</tr>
<tr>
<td>DUMP 1957</td>
<td>North gable, 1 1/2 story white &amp; yellow house</td>
<td>&quot;</td>
</tr>
<tr>
<td>REAM 1957</td>
<td>East gable, 2 story, cream colored house</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

The U. S. Engineers position for W-62 (USE) 1936 could not be held. The position shown on the manuscript was located by Kelsh instrument methods.

BR-3 (USE) RM2 1937 was recovered and identified but it was not used in the control extension and its position therefore could not be verified.
PHOTOGRAMMETRIC OFFICE REVIEW

T-10342


CONTROL STATIONS


ALONGSHORE AREAS
(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines ✓ 32. Public land lines None

MISCELLANEOUS


Reviewer

Supervisor, Review Section or Unit

Edward Dear

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:

Campbell Creek
*Deep River
Halaya Slough
Lassila Creek
Naselle River
Pacific County
Rangila Slough
Salme Creek
Salme Hill
Salmon Creek
Sisson Creek
Svensen Landing
Upper Salmon Junction
Wahkiakum County

* B.G.N. Decision

[Signature]

Geographic Names Section
43 February 1962
REVIEW REPORT
T-10340 through T-10351 and T-10649
Planimetric
February 21, 1962

62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-240</td>
<td>836,000</td>
<td>1850</td>
<td>1341b</td>
<td>10,000</td>
<td>1873</td>
</tr>
<tr>
<td>317</td>
<td>22,762</td>
<td>1850-51</td>
<td>1342a</td>
<td>10,000</td>
<td>1873</td>
</tr>
<tr>
<td>H-334</td>
<td>221,360</td>
<td>1852</td>
<td>1894</td>
<td>20,000</td>
<td>1889</td>
</tr>
<tr>
<td>H-402</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1806</td>
</tr>
<tr>
<td>1123</td>
<td>10,000</td>
<td>1868</td>
<td>H-1930</td>
<td>10,000</td>
<td>1889</td>
</tr>
<tr>
<td>1138</td>
<td>10,000</td>
<td>1869</td>
<td>4251</td>
<td>20,000</td>
<td>1926</td>
</tr>
<tr>
<td>1139ab</td>
<td>10,000</td>
<td>1869</td>
<td>6724ab</td>
<td>10,000</td>
<td>1936</td>
</tr>
<tr>
<td>1234</td>
<td>10,000</td>
<td>1870</td>
<td>6725ab</td>
<td>10,000</td>
<td>1936</td>
</tr>
<tr>
<td>1249</td>
<td>10,000</td>
<td>1870</td>
<td>6521b</td>
<td>10,000</td>
<td>1936</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>NO</th>
<th>NO</th>
<th>Edition</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>6002</td>
<td>1180,789</td>
<td>10 Edition 1942</td>
<td>1/7/61</td>
</tr>
<tr>
<td>6151</td>
<td>140,000</td>
<td>34 Edition 1960</td>
<td>1/7/61</td>
</tr>
</tbody>
</table>

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, Chief
Review and Edit Section

L. C. Lande, Chief
Review and Edit Section

Maurice Pascall
Chief, Nautical Chart Div.

F. Waugh 5/1/42
Chief, Div. of Photogrammetry

F. Waugh 5/1/42
Chief, Div. of Photogrammetry

Mark D. Rockwell
Chief, Coastal Surveys Div.
### Nautical Charts Branch

**Survey No. T-10342**

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/2/63</td>
<td>6151</td>
<td>GM</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Part applied (Exam only)</td>
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<tr>
<td>10/3/71</td>
<td>6151</td>
<td>Green</td>
<td>Before After Verification and Review</td>
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<td>Applied in full</td>
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<td>Before After Verification and Review</td>
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<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

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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.