<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric Air Photographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No.</td>
</tr>
<tr>
<td></td>
<td>T-8702 &amp; T-8703</td>
</tr>
</tbody>
</table>

**Locality**

State: Oregon

General locality: Clackamas County

Locality: Clackamas and Milwaukie

1947

Chief of Party

R. A. Earle

Library & Archives

Date: December 26, 1947
RECORD SHEET

GENERAL LOCALITY: Clackamas Co., Oregon
LOCALITY: Milwaukie, Oregon
PHOTOS ORDERED: Aug., 1945... REC'D. 9-26-45
PROJECTION ORDERED: Oct. 1945 REC'D. 11-6-45

CONTROL:
COMPUTED: Harris... VERIFIED: Jeeter
PLOTTED: Bunce... VERIFIED: Harris

PHOTO PREPARATION:
CONTROL: Harris
AZIMUTHS: Letson
PASS POINTS: Jeeter
TEMPLETS: Bunce... VERIFIED: Jeeter

RADIAL PLOT:
PLOTTED BY: Jeeter-Harris DATE: 2-26-46
VERIFIED: L.E. Beal Jr. DATE: 2-27-46

COMPILATION:
J.L. Harris Date: 4-1-46 (shoreline)
DETAIL POINTS: R. Davidson DATE: 5-3-46 (interior)
C. Wiebe Date: 4-10-46 (shoreline)
DETAIL BY: R.A. Davidson DATE: 7-19-46 (interior)

VERIFIED BY: R.H. Barron DATE: 8-3-46

DATE OF PHOTOS: See reverse side
TIME OF PHOTOS: 
STAGE OF TIDE: 

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:
Due to scale difference only a visual comparison was made with the U.S.G.S. Oregon City, Oregon 15 min. quadrangle scale, 1:62500. The planimetry common to the map manuscript and the 15 min. quadrangle map is in general agreement. Many new roads, buildings, and other man made features have been built in the area since the U.S.G.S., 15 min. quadrangle map was compiled. The location of some of the (over)

REMARKS:
All corrections and additions which were found during the field edit were applied to the map manuscript and a final compilation office review was then made.

FORWARDED TO: Washington Office DATE: 7 February, 1947

R. A. Earle
Chief of Party
drainage shown on the quadrangle map could not be verified. There are no Nautical Charts of this part of the Willamette River. No previous topographic surveys of the area were available to this compilation office for comparison purposes.

### PHOTOGRAFL DATA

<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>704 to 708 Inc.</td>
<td>7-1-45</td>
<td>10:35</td>
<td>1:17000 contact</td>
<td>11.7 ft. above M.L.W.</td>
</tr>
<tr>
<td>776 to 779</td>
<td>7-1-45</td>
<td>12:20</td>
<td>1:8000 ratio</td>
<td>11.7 ft.</td>
</tr>
<tr>
<td>3493 &amp; 3494</td>
<td>11-21-45</td>
<td>13:15</td>
<td>1:8000 ratio</td>
<td>5.0 ft.</td>
</tr>
<tr>
<td>U.S. Engineers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26V - 13 to 16</td>
<td>8-10-1944</td>
<td>12:42</td>
<td>1:8000 ratio</td>
<td>3.3 ft.</td>
</tr>
<tr>
<td>103V - 138 to 142</td>
<td>9-26-1944</td>
<td>15:30</td>
<td>1:8000 ratio</td>
<td>1.7 ft.</td>
</tr>
</tbody>
</table>
DATA RECORD

T-  8702  (Field Book with像素and Cube)

Quadrangle (II): Milwaukie, Oregon  Project No. (II): CS-322
(3 minute)

Field Office: Portland, Oregon  Chief of Party: R. A. Earle


Instructions dated (II III): July 12, 1945  Copy filed in Descriptive
25, Nov. 30 and Dec. 6, 1945  Div. Photogram. Office files

Completed survey received in office: 11 Feb. 1947

Reported to Nautical Chart Section: -

Reviewed: 27 June, 1947  Applied to chart No. (171)  Date: 3/8/48

Redrafting Completed: 21 July, 1947

Registered: 21 July, 1947  Published: 1947

Compilation Scale: 1:8000  Published Scale: 1:9600

Scale Factor (III): None

Geographic Datum (III): N. A. 1927  Datum Plane (III): * See below
Reference Station (III): Oak Grove

Lat.: 45°26'56.714" (1750.9m)  Long.: 122°36'57.616" (1252.7m) Adjusted 5.0
52.971" (150.9m)  57.616" (1252.7m) Unadjusted X  Field computation

State Plane Coordinates (VI):

\[ X = \quad Y = \]

Military Grid Zone (VI)

* (M.H.W. = 6.29 ft. above Mean Sea Level) (M.L.W. = 1.29 ft. above Mean Sea Level)
All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.
Daily readings of the U. S. Engineers tide gauge located at Government Moorings on the West Shore of the Willamette River just south of St. Johns Bridge. The 0400 of the gauge is M.L.W., Columbia River which is 1.29 ft. above Mean Sea Level. Spring Range:

Camera: (Kind or source) K17, focal length 12 inches

Field Inspection by: See remarks, page 3

Field Edit by: J. H. Winniford, Photo. Aid

date: Dec., 1946

Date of Mean High-Water Line Location (III): December 15, 1945

Note: According to supplemental instructions dated Sept. 10, 1945, a high-water line of 5.0 ft. above Mean Low Water is to be shown on the map manuscripts. A high-water line at this plane was determined by field inspection and shown on the U. S. Engineers photographs taken in August and September, 1944.

Projection and Grids ruled by (III) Washington Office

" " " checked by: Washington Office

date: Oct., 1945

date: Oct., 1945

Control plotted by: Eda H. Bunce

date: Jan., 1946

Control checked by: Fred P. Jeeter

date: Jan., 1946

Radial Plot by: James L. Harris and F. P. Jeeter

date: Feb. 27, 1946

Carita C. Wiebe - Shoreline

Detailed by: Roy A. Davidson - Interior

date: July, 19, 1946

Reviewed in compilation office by: Ree H. Barron

date: Aug. 3, 1946

Corrections and changes after field edit by: Ree H. Barron

date: Jan. 30, 1947

Review after changes due to field edit by: Roy A. Davidson

date: Jan. 31, 1947

Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr.

date: Dec. 1946
STATISTICS (III)

Land Area (Sq. Statute Miles): 8.2

Shoreline (More than 200 meters to opposite shore): 4.4 Statute miles

Shoreline (Less than 200 meters to opposite shore): 1.2

Number of Recoverable Topographic Stations established: 3
(All fixed aids to navigation)

Number of Temporary Hydrographic Stations located by radial plot: 21

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered
by, (II) Field Party, (III) Compilation Party, or, (VI) the
Washington Office.

When entering names of personnel on this record give the
surname and initials (not initials only).

Remarks:

Field Inspection by: L. Mac Arthur, Photo. Aid, J.H. Winniford date: Jan. 1946
Recovery of Horizontal Control by: None
Recovery of Vertical Control by: J. H. Winniford, Photo. Aid date: Oct. 1945
Shoreline Inspection by: J. C. LaJoye, Prin. Photo. Aid date: Dec. 1945
Investigation of Geographic

Areas and Civil Boundaries by: L. E. Ervast, Photo. Aid date: April 1946
GENERAL LOCALITY: Clackamas Co., Oregon

LOCALLITY: Clackamas

PHOTOS ORDERED: Aug. 13, 1945, REC'D. 9-26-1945

PHOTOS ORDERED: Oct. 1945, REC'D. 11-1-45

CONTROL:
COMPUTED: Harris, VERIFIED: Bence
PLOTTED: Bence, VERIFIED: Harris

PHOTO PREPARATION:
CONTROL: Jeeter
AZIMUTHS: Letson
PASS POINTS: Jeeter
Bence
TEMPLETS: Jeeter VERIFIED: Harris

RADIAL PLOT:
PLOTTED BY: Harris-Jeeter DATE: 2-26-46
VERIFIED: E. E. Deal, Jr. DATE: 2-27-46

COMPILATION:
DETAIL POINTS: Pomeroy DATE: 4-25-46
DETAIL BY: Pomeroy DATE: 7-17-46
VERIFIED BY: Barron DATE: 8-16-46

DATE OF PHOTOS: 776 to 779; 7-1-45

TIME OF PHOTOS: 776 to 779: 7:10-12:20

STAGE OF TIDE: There are no tidal waters within the limits of this map manuscript.

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:
Due to scale difference only a visual comparison was made with the U.S.G.S. Oregon City, Ore. 15 min quadrangle, scale 1:62500. The planimetry common to the map manuscript and the 15 min. quadrangle map is in general agreement. Many new roads, buildings and other man made features have been built in the area since the U.S.G.S. 15 min quadrangle map was compiled. The location of some... (over)

REMARKS:
All corrections and additions which were found during the field edit were applied to the map manuscript and a final compilation office review was then made.

FORWARDED TO: Washington Office DATE: 7 February 1947

R. A. Earle
Chief of Party
COMPARISON (cont'd.)

of the drainage shown on the quadrangle map could not be verified.

There are no nautical charts of the area.

No previous topographic surveys of the area were available to the compilation office for comparison purposes.
DATA RECORD

T - 8703

Quadrangle (II): CLOACKAMAS, OREGON
(3 minute)

Field Office: Portland, Oregon Chief of Party: R. A. Earle


Completed survey received in office: 11 Feb. 1947

Reported to Nautical Chart Section: 

Reviewed: 3 July, 1947 Applied to chart No. Date: 

Redrafting Completed: 21 July, 1947

Registered: 30 Oct. 1947 Published: 1947

Compilation Scale: 1:8000 Published Scale: 1:9600

Scale Factor (III): None

Geographic Datum (III): 1927, N.A. Datum Plane (III): * See below


Lat.: 45° 24' 37.386" (1154.3m) Long.: 122° 34' 01.795" (39.2m) Adjusted Position: "Horizontal & Vertical Control Data, Oregon City Quad. OREG" Unadjusted Issued by: Office Chief of Engineers, Washington D. C. 1943.

State Plane Coordinates (VI):

X = 

Y = 

Military Grid Zone (VI)

*(M.H.W. - 6.29 ft. above Mean Sea Level) (M.L.W. - 1.29 ft. above Mean Sea Level)

All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.
### PHOTOGRAPHS (III)

<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>776 to 779 Incl.</td>
<td>7-1-45</td>
<td>12:20</td>
<td>1:17000 contact</td>
<td>There are no tidal waters</td>
</tr>
<tr>
<td>1144 to 1147</td>
<td>7-1-45</td>
<td>10:20</td>
<td>1:8000 ratio</td>
<td>within the limits of this</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>map manuscript.</td>
</tr>
</tbody>
</table>

Tide from (III): None

Mean Range: Spring Range:

Camera: (Kind or source) K 17, focal length 12 inches.

Field Inspection by: See remarks, page 3

Field Edit by: F. H. Elrod, Prin. Photo. Aid

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) Washington Office date: Oct. 1945

" " " checked by: Washington Office date: Oct. 1945

Control plotted by: Eda H. Bunce date: Jan. 1946

Control checked by: James L. Harris date: Jan. 1946

Radial Plot by: James L. Harris & F. P. Jeeter date: Feb. 27, 1946

Detailed by: Ramona Pomeroy date: July 17, 1946

Reviewed in compilation office by: Ree H. Barron date: Aug. 16, 1946

Corrections and Changes after Field Edit by: Ree H. Barron date: Jan. 31, 1947

Review after Changes due to Field Edit by: Roy A. Davidson date: Feb. 3, 1947

Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr. date: June, 1946
STATISTICS (III)

Land Area (Sq. Statute Miles): 8.4

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established: 5
(2 section corners, 2 aeronautical aids and 1 interior landmark)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Field Inspection by: L. Mac Arthur, Photo. Aid date: Jan. 1946

Recovery of Horizontal Control by: F.H. Elrod, Prin. Photo. Aid date: Nov. 1945

Recovery of Vertical Control by: J.H. Winniford, Photo. Aid date: Oct. 1945

Investigation of Geographic Names and Civil Boundaries by: L. E. Ervast, Photo Aid date: May 1946
Amendment to File Data

Since project CS-522 was reviewed and registered, it was decided that a Completion Report for each project would be written and filed in the Bureau of Archives. This Completion Report should include all special reports, correspondence of probably future interest or importance, a project layout, a photo index, and a copy of the initial and supplementary project instructions.

A special file has been set up in the library for Division of Photogrammetry projects. The Completion Report and other special reports will be filed under the project number, and these will be arranged in numerical order.

The following reports and records for project CS-522 are now filed in the Bureau Archives, rather than according to the red notes in the Descriptive Reports:

A. Special Reports:
   1. Investigation of Boundary Monuments and Land Lines for Radial Plots 1, 2, 3, and 4
   2. Radial Plots 1, 2, 3, and 4
   3. Legal descriptions of boundaries
   4. Field Inspection for plots 1, 2, 3, and 4

   Access No. CS-522 Rep't. 1
   " 2
   " 3
   " 4

B. Computations: Triangulation and Traverse 943/GTZ 0-6785

C. Field records:
   1. Horizontal Angles (form 250) 12 vol. 943/CH 0-7082
   2. Traverse Measurements (form 590) 943/GB 0-7083
   9 vol.
   3. Descriptions (form 525) and recoveries (form 526) 943/GA 0-6786
   4. Pricking cards (form N-982-1) for tri. and trav.
   5. Recoverable Topographic stations (form 524)

   Div. of Photogrammetry General File

D. Recovery of bench marks (form 685) Filed in Leveling Sec.

E. Supplemental data: maps, plans
   These were transferred to the Map Section (Mr. Stanley, Chief), Division of Charts, to be selectively filed or discarded.

LTS

January 1951
COMPILATION REPORT
Map Manuscripts T-8702 and T-8703
Project CS-322

26. Control:

At the time this project was started there were no existing horizontal control stations within the area of Map Manuscript No. T-8702. Five stations of a traverse, established by the U. S. Engineers, which were located along Oregon State Highway No. 213 fell in the area of Map Manuscript No. T-8703. Three of these traverse stations were recovered and two were identified for use in the radial plot. The field unit established one triangulation station in the area of T-8702. Oak Grove, Green Tank Finial, 1945 (G.P. p. 333)

A complete tabulation of the horizontal control stations which were originally in the area of these two map manuscripts is attached to the "Field Inspection Report, Project CS-322, Area of the Third Radial Plot", which is included with this descriptive report.

Filed in files of photogram. General files under "Special Reports:"

The additional horizontal control station which was established in 1945, is listed in a tabulation which is attached to a special report, "Third-Order Triangulation and Traverse, Project CS-322, Area of the Third Radial Plot", which is being forwarded to the Washington Office.

Filed in library & archives under G:6765

27. Radial Plot:

The facts concerning the radial plot for the area of these two map manuscripts have been fully covered in the "Descriptive Report, Third Radial Plot, Project CS-322", which is attached.

Filed in files of photogram. General files under "Special Reports:"

28. Detailing:

Compilation was done in accordance with instructions for Project CS-322 and special instructions applicable to planimetric mapping.

The high-water line and shoreline features were delineated and detailed from photographs obtained from the office of the U. S. Engineer Corps, Portland, Oregon, and ratio printed at a scale of 1:6000 by the Coast & Geodetic Survey in the Washington Office. In all inland areas the original photography was adequate. The 1:5000 scale contact prints, taken along the shorelines of the Willamette River, were a great help in interpreting detail.

In some cases it was difficult to interpret, from the ratio print, the correct shape and size of buildings. This was attributed to the loss of sharpness when the contact prints were enlarged.

When any item relative to the field inspection data was doubtful, it could be clarified by consultation with the field man who had done the
inspection work. It was, therefore, unnecessary to make discrepancy overlays for the field edit work.

The classification symbols for tree or brush areas are placed on the inside of the curled line which denotes the limits of said areas. These curled lines and the letter symbols are in green acid ink.

All boundary and land claim lines are shown by appropriate symbols in red acid ink. A legend shown in the margin of each map manuscript identifies these lines.

Pertinent notes, relative to various items, have been lettered in the margins of the map manuscripts.

29. Supplemental Data:

The following plan, which will be forwarded with the map manuscripts, was used to supplement the photographs:

Blueprint, Camp Withycombe, Clackamas, Oregon. Scale: 1" = 200'

The following map, which was used for reference purposes only, was forwarded to the Washington Office on 15 July 1946, with the special report "Investigation of Boundary Monuments and Lines, Area of the First Radial Plot".

Map of Clackamas County, Oregon. in Project file

30. Mean High-Water Line:

There are no high-water lines within the area of Map Manuscript No. T-8703, however, portions of the Willamette River fall within the area of Map Manuscript No. T-8702.

All of the high-water line was detailed from information submitted by the field units, which was shown on single lens ratio prints, scale 1:8000. These photographs were taken by the U. S. Engineers at a contact scale of 1:10,000 on 10 August 1944, when the water level of the Willamette River was 3.3 ft. above M.L.W. and on 26 September 1944, when the water level was 1.7 ft. above M.L.W. The field inspector's interpretation of the high-water line was verified by stereoscopic examination of the photographs before detailing was attempted.

The mean high-water line is shown by a continuous heavy-weight black acid ink line at a plane five feet above the Engineers low-water datum which is 1.29 ft. above mean sea level.

There are no marsh areas immediately bordering the high-water line.

31. Low-Water and Shoal Lines:

The field inspection unit did not indicate any low-water or shoal lines within the limits of T-8702.
32. Details Offshore from the Mean High-Water Line:
There are no details offshore from the Mean High-Water Line.

33. Wharves and Shoreline Structures:
All piers, wharves, dolphins, piling areas, etc. have been shown.
Most of the dolphins and piling areas have been indicated by the field
inspection unit on the 1:5000 scale contact prints and cross referenced
to the U. S. Engineers photographs.

34. Landmarks and Aids to Navigation:
In the area of T-8702, Forms 567 are being submitted recommending the
charting of the following fixed aids to navigation:

CHRISTIE LIGHT   ELK ROCK LIGHT   MILWAUKIE LIGHT

35. Hydrographic Control:
In the area of T-8702 twenty objects were located radially and one by
a sextant fix, for use as temporary hydrographic signals. These were
used during the recent hydrographic survey of this part of the Willam-
ette River by the ship "Westdahl". They are shown on the map manu-
script with 2.0 mm circles in black acid ink and a short description
is lettered nearby. This office compiled the shoreline and adjacent
detail on Map Manuscript No. T-8702 in March 1946, and furnished the
ship "Westdahl" with black and white prints at a scale of 1:5000.

36. Landing Fields and Aeronautical Aids:
There are no landing fields within the limits of these two map manu-
scripts. In the area of T-8703, Forms 567 are being submitted recom-
mending the charting of the following objects as aeronautical aids:

KXL, West Radio Mast   KXL, East Radio Mast

37. Geographic Names:
Only undisputed geographic names are shown on the map manuscripts.
Geographic names are the subject of a special report, "Investigation
of Geographic Names, Project CS-322, Area of the Third Radial Plot",
which will be submitted.

38. Recoverable Topographic Stations:
In the area of Map Manuscript No. T-8702, copies of Forms 524 are being
submitted for the following:

CHRISTIE LIGHT, 1945   ELK ROCK LIGHT, 1945
MILWAUKIE LIGHT, 1945
In the area of Map Manuscript No. T-8703, copies of Forms 524 are being submitted for the following:

- XXL WEST RADIO EAST, 1946
- XXL EAST RADIO EAST, 1946
- CLACKAMAS GREENHOUSE WATER TANK (elevated), 1946
- T 1S-2S R 2E Section Corner 3-4-33-34, 1946
- T 2S R 2E Section Corner 9-10-15-16, 1946

39. Junctions:
Complete and satisfactory junctions have been made between Map Manuscripts T-8702 and T-8703 and with adjoining map manuscripts.

40. Bench Marks:
Bench marks have been detailed as identified by the field inspection units. Each bench mark is indicated by a black acid ink cross with the name and elevation to the nearest 1/10 ft. lettered nearby.

41. Donation Land Claims and Section Lines:
Donation land claim lines and section lines were detailed on these two map manuscripts as shown on the contact photographs by the field inspection unit.

44. Comparison with Existing Topographic Surveys:
See record sheet which accompanies each map manuscript.

45. Comparison with Nautical Charts:
See record sheet which accompanies each map manuscript.

Approved and forwarded:

Robert A. Earle
Chief of Party

Respectfully submitted:

J. Edward Deal, Jr.
Photogrammetric Engineer
FIELD EDIT REPORT
T-8702 and T-8703
Project CS-322

46. Methods:

These maps manuscripts were field edited in accordance with the Field Edit Instructions dated 21 August 1945. All corrections and additions have been made accurately on the field edit prints in colored ink, or the place where a correction or addition is to be made has been indicated by a note which refers to a field photograph. All features which are to be deleted have been crossed out in colored ink.

New buildings were located either by pacing or taping and are shown on the field edit prints. A legend on each of these prints will furnish a key to all the symbols and to the different colored inks used.

47. Adequacy of the Compilation:

The planimetry as delineated on the map manuscripts may be considered as complete and adequate with respect to the corresponding ground detail. Except for the deletions, corrections, additions, and notations made on the field edit prints, it is accurate, also in regard to relative position.

Any omissions or drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by notes. The names of streets and roads, which were added, were obtained from posted signs or other local official sources. Small barns and shacks, which were compiled, were deleted. In the southern and central parts of Quadrangle T-8702 extensive building and development is in progress and many new houses were added. Several newly constructed short roads were located by planimetric methods or field measurements and have been indicated either on the ozalid print or on a field photograph.

In T-8703, State Highway 213 was designated as Military By-Pass 992. This was a wartime provision and the road should no longer bear this designation. Other minor changes and omissions were noted and corrected in the area of this sheet as well as in T-8702.

All offshore and shoreline features were checked in T-8702. Several dolphins, which were missed during the field inspection on the east side of the Willamette River and south of Elk Rock Island, were added.

In accordance with the field edit instructions, the map manuscripts were examined for completeness and accuracy in regard to geographic names, boundaries, public land lines, and detail by Mr. R. S. Hulne Assistant County Surveyor, Clackamas County Court House, Oregon City, Oregon, in T-8702 and by Mr. D. T. Me'drum, County Engineer of Clackamas County in T-8703. The geographic names in this area have been reviewed by Mr. Lewis A. McArthur, Collaborator for the U. S. Coast and Geodetic Survey.
48. **Accuracy Tests:**

No horizontal accuracy tests were run in this area. For map accuracy tests near the area of these map manuscripts refer to the field edit report for Quadrangles T-8699 to T-8701 inclusive.

49. **Bench Mark Elevations:**

The elevations of the bench marks shown on these sheets have been checked.

50. **Donation Land Claims and Section Lines:**

Although the Donation Land Claim and Section Lines are not shown on the ozalid prints, they had been indicated on field photographs and were compiled on the map manuscripts of a later date.

51. **Geographic Names:**

Refer to the "Special Report on Geographic Names, Project CS-322, Area of the Third Radial Plot" for information on the following geographic names:

PORTLAND TRACTION COMPANY, DUNTHORPE, BRIARWOOD

Field Edit reviewed by:  

Charles Hanavich  
Topo. Engineer

Approved by:  

Robert A. Earle  
Chief of Party

Field Edit by:  

John H. Winniford (T-8702)  
Photo. Aid  
Frank H. Elrod (T-8703)  
Prin. Photo. Aid
Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-8702

Paragraph numbers not used in this report have been adequately covered in other parts of the descriptive report.

28. **Detailing.**

Poorly delineated and incorrectly classified woodland areas were altered to agree with the field inspection photographs.

41. **Donation Land Claim and Section Lines.**

The names of three Donation Land Claims, omitted during compilation, have been added by the reviewer. These names and corrections to boundaries are shown in crayon on an ozalid print, which is being forwarded to the Portland Office for verification.

44. **Comparison with Existing Topographic Surveys.**

Oregon City, Oregon, U.S.G.S., 1:62,500, 1911-12
Oregon City, Oregon, U.S.E., 1:62,500, 1938-39

The more recent U.S.E. quadrangle is in good agreement with the map manuscript.

45. **Comparison with Nautical Charts.**

There are no nautical charts or other surveys by the Bureau in the area of this map manuscript.

Reviewed by:

Reviewed under direction of:

K. N. Maki
Photogrammetrist
6-27-47

S. V. Griffith
Chief, Review Section
APPROVED BY:

B. J. Jones 12/47
Technical Assistant to the
Chief, Div. of Photogrammetry

Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Div. of Coastal Surveys
Supplement to the Review Report For
Planimetric Map Manuscripts T-8702 and T-8704.

This report states the results of an investigation into the accuracy of hydrographic signals as located by radial plot on map manuscripts T-8702 and T-8704. The investigation was instigated by the Chart Division after sextant angles on the signals did not verify the positions obtained by the radial plot.

The hydrographic signals were selected by a field inspection party of the Division of Photogrammetry, Portland Photogrammetric Office and spotted on aerial photographs. The signals were then located on the map manuscripts by the radial intersection method in the Portland Photogrammetric Office on the 1:8000 scale map manuscripts of the Columbia River, project GS-322. The intermediate steps between the field location and the radial intersecting were, in general, accurately performed.

Re-checking the radial intersections, it was discovered that they had not been made as carefully as they might have been and after adjusting the intersections some of the positions of the signals moved as much as 1.6 mm. The new positions are shown in red acetate ink on the manuscripts.

When these new positions for the signals were plotted on the 1:5000 hydrographic survey No. H-7128, the new positions checked the sextant angles very acceptably.

K. N. Maki  
Reviewer

S. V. Griffith  
Chief, Review Section
Paragraph numbers not used in this report have been adequately covered in other parts of the descriptive report.


Delineation of the planimetric detail was considered good. A small marsh previously omitted, was added to the map manuscript.

41. Donation Land Claims and Section Lines.

 Corrections made to Donation Land Claim boundaries have been shown on an ozalid print of the map manuscript. This is being forwarded to the Portland Office for verification.

Section corner 29-30-31-32 was indicated as recovered in the Special Report, Investigation of Boundary Monuments and Lines, Area of the Third Radial Plot. The position of this corner on the map manuscript is not in agreement with the position shown on contact photograph No. 776. Since no recovery or pricking cards were submitted for this corner, it will be considered as unrecovered unless the Field Office can supply additional information.

44. Comparison with Existing Topographic Surveys.

Oregon City, Ore., U.S.G.S. (1:62,500) 1911-12
Oregon City, Ore., U.S.E. (1:62,500) 1938-39

The more recent U.S.E. quadrangle is in good agreement with the map manuscript.

45. Comparison with Nautical Charts.

There are no nautical charts or other surveys by the Bureau in the area of this map manuscript.

Reviewed by:

K. N. Maki
Photogrammetrist
7-3-47

Reviewed under direction of:

S. V. Griffith
Chief, Review Section
APPROVED BY:

B.G. Jones 12/47
Technical Assistant to the Chief, Div. of Photogrammetry

Chief, Nautical Chart Br.
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

E.H. Green
Chief, Div. of Coastal Surveys
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Names satisfactory in red approved by: ______________ 5/10/47
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing by

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<th>LATITUDE</th>
<th>D.M. METERS</th>
<th>LONGITUDE</th>
<th>D.P. METERS</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>LIGHT</td>
<td>CHRISTIE LIGHT, Fl. 4 sec., SW side Willamette River &amp; Rock Island</td>
<td>LIGHT</td>
<td>45 24</td>
<td>(1226.0)</td>
<td>122 38</td>
<td>(277.7)</td>
<td>M.4</td>
<td>Radial Plot</td>
<td>12-12-45</td>
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<td>LIGHT</td>
<td>Elk Rock Light, Fl. W. 4 sec., on Elk Rock Isl. Willamette River</td>
<td>LIGHT</td>
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<td>(1226.0)</td>
<td>122 38</td>
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<td>Radial Plot</td>
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<td>Willamette Light, F.G., East side of Willamette River &amp; Milwaukie, Ore.</td>
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<td>(1226.0)</td>
<td>122 38</td>
<td>(277.7)</td>
<td>M.4</td>
<td>Radial Plot</td>
<td>12-12-45</td>
<td>II</td>
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I recommend that the following objects which **have** (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by

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<td>Flot 1-22-46</td>
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<td>CHARTS AFFECTED</td>
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| CHARTING NAME | RADIO MAST (E) |
| DESCRIPTION | KXL, East Radio Mast at Clackamas, Oregon |
| SIGNAL NAME | RADIO MAST (E) |
| LATITUDE | 45.26 |
| LONGITUDE | 122.34 |
| DATUM | U.S. Radial |
| METHOD OF LOCATION AND SURVEY NO. | Flot 1-22-46 |
| CHARTS AFFECTED | W-2 |

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*Not in area of chart 6171*
14 July 1947

To: Chief, Division of Photogrammetry
U. S. Coast & Geodetic Survey
Washington 25, D. C.

From: Lt. Comdr. R. A. Earle

Subject: Review of Map Manuscript T-8702

Reference: Your Letter, 78-ear, dated 2 July 1947

The changes and additions to the land lines, recommended by the Washington Office Review, have been investigated.

It was found that the donation land claims of Eben E. Rodgers, F. A. Collard, and Jesse Bullock, were inadvertently omitted on the rough draft map manuscript.

The change in the south line of the Crin Kellogg line is in agreement with records on file in the Clackamas County Courthouse, however, it often happened that when the field inspector investigated these claims on the ground, he found that all records were in disagreement and he was obliged to make an independent interpretation. In this case his interpretation may or may not be in error but as it would take an extensive investigation to disprove the G.L.O. plat data and as the G.L.O. line does not contradict existing planimetry of the published map, it is accepted as shown on the ozalid print of T-8702.

While investigating the changes in the land lines it was found that the donation land claim of Jason Kellogg had also been omitted on the smooth draft map manuscript. It is very faintly indicated on the G.L.O. plat for T 2S R 2E, however, there are no dimensions given to indicate its limits. It has been indicated on the ozalid print of T-8702 in green crayon pencil as it is shown in the records of Clackamas County.

Contact Prints No's. 708 and 778 are being returned with the ozalid print.

R. A. Earle
Chief of Party
To: Chief, Division of Photogrammetry
    U. S. Coast & Geodetic Survey
    Washington 25, D. C.

Subject: Review of Map Manuscript T-3703

Reference: Your Letter, 78-aar, dated 8 July 1947

The corrections and additions to the land lines, as suggested by the Washington Office Review of T-3703, have been investigated. It would require a detailed and expensive investigation to determine why the field man located the claim lines as shown on the map manuscript, however, it is our opinion that he used local information rather than data contained on the G.L.O. plats. As this local information cannot be proven, it is recommended that the corrections as shown in red crayon by the Washington Office be accepted. The new lines do not contradict any planimetric detail of the map manuscript.

It has been found that additional donation land claims should be added as follows:

    Sylvester Hathaway
    Jacob Scott
    William Phillips
    Joseph P. Eagon

These claims have been shown in green crayon on the ozalid print of T-3703 and excerpts from copies of the original deeds are written in pencil on the reverse side of the ozalid print. They were found after a search through very old records and are not used to reference other deeds in Clackamas County. The following claims were never recorded in Clackamas County:

    Hiram Phillips
    M. Phillips

Section Corner 29-30-31-32, should be shown as compiled on the map manuscript. Its location should have been removed from Contact Photograph No. 776, and it should have been listed in the "Special Report, Boundary Monuments and Lines, Area of the Third Radial Plot", as an unrecovered corner.

R. A. Earle
Chief of Party

RAE/gw
## Nautical Charts Branch

**Survey No. T-8702**

**Record of Application to Charts**

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<th>Remarks</th>
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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.*