8699 8700
8701

8699 8701 8700

Diag'd. on diag. ch. No. 6154

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. T-8699, T-8700 & Office No. T-8701

Horiz. Accy Test

LOCALITY

State OREGON

General locality Multnomah & Clackamas Counties

Locality Tigard, Lake Grove & Oswego, Oregon

194 7

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE December 26, 1947

B-1870-1 (1)

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Washington County, Oregon

SHEET NO. T-8699

LOCALITY Tigard, Oregon

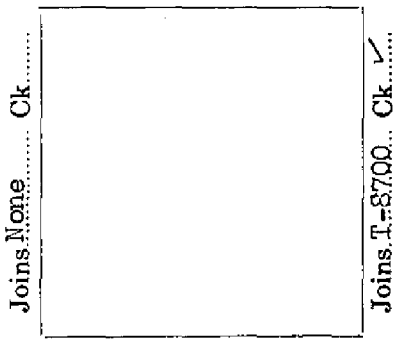
PROJECT NO. CS-322

PHOTOS ORDERED Aug. 1945 REC'D 9-24,26,1945 1-21-1946

SCALE 1:8000

PROJECTION ORDERED Sept. '45 REC'D 11-6-1945

Joins T-8693 Ck. ✓



Joins None Ck.

CONTROL:

COMPUTED Bunce VERIFIED Harris

PLOTTED Foster VERIFIED Bunce

PHOTO PREPARATION:

CONTROL Harris

AZIMUTHS Davidson

PASS POINTS Bunce

TEMPLETS Bunce VERIFIED Harris

RADIAL PLOT: Harris

PLOTTED BY Deal DATE 7-12-46

VERIFIED Harris DATE 7-18-46

COMPILATION:

DETAIL POINTS Bushnell DATE 7-30-46

DETAIL BY M. Davison DATE 10-31-46

VERIFIED BY R. Davidson DATE 12-20-46

DATE OF PHOTOS 3484 to 3487, 11-21-45
All others, 6-30-45

TIME OF PHOTOS 509 to 512, 13:00; 595 to 598, 14:05; 611 to 613, 14:45; 3484 to 3487, 13:15.

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 a scale difference only a visual comparison was made with the USGS Tualatin, Oregon, 15 min. quadrangle, Scale: 1:62500. U. S. Highway 99W has been re-located in several places and a new overpass has been built over the railroad in Tigard, since the quadrangle map was made. Elsewhere the planimetry common to the map manuscript and quadrangle map is in agreement.

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 14 February 1947

R. A. Earle
Chief of Party

M-2305-12

Form T-1

DATA RECORD

T- 8699

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

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

Compilation Office: Portland, Ore. **Chief of Party:** R. A. Earle

Instructions dated (II III): July 12, 1945
Supplemental Instructions: Aug. 29, Sept. 10, Oct. 25, Nov. 30, and Dec. 6, 1945

Copy filed in ~~Descriptive Report No. T-~~ (VI) Div. Photogram. Office Files

Completed survey received in office: 20 Feb. 1947

Reported to Nautical Chart Section: -

Reviewed: 27 May, 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 5 Aug. 1947

Registered: ~~17 Nov.~~ Dec. 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): TIGARD, 1946

Lat.: 45° 25' ~~54.180~~" (1672.6m) 54.181 (1672.7m) **Long.:** 122° 46' ~~12.665~~" (275.3m) 12.662 (275.2 m) **Adjusted** ~~**Unadjusted** X field compilation~~ GP's p. 895

State Plane Coordinates (VI):

X = **Y =**

Military Grid Zone (VI)

* All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
			1:17000 contact	There are no tidal waters within the limits of this map manuscript.
509 to 512 Inc.	6-30-45	13:00	1: 8000 ratio	
595 to 598 "	"	14:05	"	
611 to 613 "	"	14:45	"	
3484 to 3487 "	11-21-45	13:15	"	

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 **date:**

Field Edit by: J. H. Winniford, Photo. Aid **date:** Jan., 1947

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: Richard Foster **date:** June, 1946

Control checked by: Eda H. Bunce **date:** June, 1946

Radial Plot by: James L. Harris & J. E. Deal **date:** July 18, 1946

Detailed by: Mary Davison **date:** Oct. 31, 1946

Reviewed in compilation office by: Roy A. Davidson **date:** Dec. 20, 1946
Corrections and changes after field edit by: Ree H. Barron date: Feb. 5, 1947
Review after field edit by : J. E. Deal date: Feb. 6, 1947
Elevations on Field Edit Sheet
checked by: Charles Hanavich, Topo. Engr. **date:** Jan., 1947

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: 3
(1 section corner, 1 USGS Traverse station, 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: W. J. Bushnell, Photo. Aid — date: March, 1946

Recovery of Horizontal Control by: F. H. Eyrod, 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

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Multnomah, Clackamas and Washington Counties, Oregon

SHEET NO. T-8700

LOCALITY Lake Grove, Oregon

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED Aug. 1945 REC'D 9-24,26-1945

PROJECTION ORDERED Oct. 1945 REC'D 11-6-45

Joins T-8694 Ck ✓

Joins T-8699 Ck ✓

Joins T-8701 Ck ✓

Joins None Ck

CONTROL:
COMPUTED Jeeter VERIFIED Harris

PLOTTED Bunce VERIFIED Foster

PHOTO PREPARATION:
CONTROL Bushnell

AZIMUTHS Davidson

PASS POINTS Bunce

TEMPLETS Foster VERIFIED Harris

491 to 495, 6-30-45
DATE OF PHOTOS 649 to 652, 7-1-45

RADIAL PLOT: Deal
PLOTTED BY Harris DATE 7-12-46

VERIFIED Bushnell DATE 7-18-46

TIME OF PHOTOS 491 to 495, 12:00

649 to 652, 10:15

COMPILATION:
DETAIL POINTS Elrod DATE 7-26-46

DETAIL BY Elrod DATE 8-28-46

VERIFIED BY Barron DATE 10-4-46

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 a scale difference only a visual comparison was made with the USGS Oregon City, Oregon, 15 min. quadrangle, Scale: 1:62500. There have been many man made changes since the quadrangle map was made, however the planimetry which is common to the map manuscript and quadrangle map is generally in agreement.

REMARKS

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

FORWARDED TO Washington Office DATE 14 February 1947

R. A. Earle
Chief of Party

M-2305-12

Form T-1

DATA RECORD

T- 8700

Quadrangle (II): Lake Grove, Oregon (3-minute) **Project No. (II):** CS-322

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

Compilation Office: Portland, Ore. **Chief of Party:** R.A. Earle

Instructions dated (II III): July 12, 1945
Supplemental Instructions: Aug. 29, Sept. 10, Oct. 25, Nov. 30, and Dec. 6, 1945

Copy filed in ~~Descriptive Report No. T-~~ (VI) Div. Photogram. Office Files

Completed survey received in office: 20 Feb 1947

Reported to Nautical Chart Section: –

Reviewed: 17 June OK, 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 20 June, 1947

Registered: ~~17 Nov~~ Dec 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): SYLVANIA, OREG., 1935, r 1945

Lat.: 45° 26' 18.014"(556.1m) **Long.:** 122° 43' 13.602"(295.6m)* **Adjusted** X **Unadjusted**

State Plane Coordinates (VI):

X = **Y =**

Military Grid Zone (VI)

* All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
491 to 495 Inc.	6-30-45	12:00	1:17000 contact 1: 8000 ratio	There are no tidal waters within the limits of this map manuscript.
649 to 652 "	7-1- 45	10:15	"	

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 **date:**

Field Edit by: J. H. Winniford, Photo. Aid **date:** Nov., 1946

Date of Mean High-Water Line Location (III): None

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:** June, 1946

Control checked by: Richard Foster **date:** June, 1946

Radial Plot by: J. L. Harris & J. E. Deal **date:** July 18, 1946

Detailed by: Marie B. Elrod **date:** Aug. 28, 1946

Reviewed in compilation office by: Ree H. Barron **date:** Oct. 4, 1946

Corrections and changes after field edit by: Ree H. Barron date: Feb. 4, 1947

Review after changes due to field edit by: Roy A. Davidson date: Feb. 5, 1947

Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr. **date:** Nov., 1946

STATISTICS (III)

Land Area (Sq. Statute Miles): 8.2

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

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

Number of Recoverable Topographic Stations established: 3
(all section corners)

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: March, 1946
Shoreline Inspection by: J. C. LaJoye, Prin. Photo. Aid	date: Feb., 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: L. E. Ervast, Photo. Aid	date: May, 1946

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Multnomah and Clackamas Counties, Oregon

LOCALITY Oswego, Oregon

SHEET NO. T-8701

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED Aug. 1945 REC'D 9-24, 26-1945

PROJECTION ORDERED Oct. 45 REC'D 11-6-45

CONTROL:
COMPUTED Harris VERIFIED Bunce

PLOTTED Bunce VERIFIED Jeeter

PHOTO PREPARATION:
CONTROL Harris, Bunce, Jeeter

AZIMUTHS Davison, Letson

PASS POINTS Bunce, Harris, Jeeter

TEMPLETS Jeeter VERIFIED Bunce

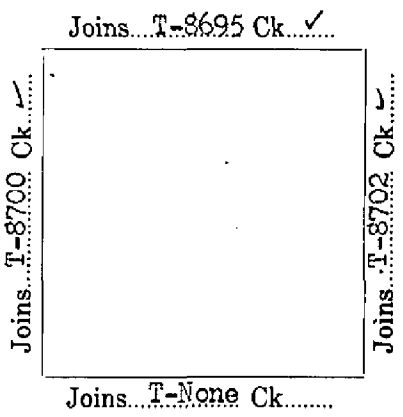
RADIAL PLOT:
PLOTTED BY Jeeter, Harris DATE 2-26-46

VERIFIED J. E. Deal DATE 2-27-46

COMPILATION:
DETAIL POINTS Bunce DATE 4-26-45

DETAIL BY Wiebe DATE 9-24-46

VERIFIED BY Davidson DATE 12-31-46



DATE OF PHOTOS See reverse side

TIME OF PHOTOS "

STAGE OF TIDE "

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:

Due to a scale difference only a visual comparison was made with the USGS Oregon City, Oregon, 15 min. quadrangle, Scale: 1:62500. There have been many man made changes since the quadrangle map was made, however, the planimetry which was common to the map manuscript and quadrangle map is generally in agreement.

REMARKS

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

FORWARDED TO Washington Office DATE 14 February 1947

R. A. Earle
Chief of Party

M-2305-12

PHOTOGRAPH DATA

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
569 to 573 Inc.	6-30-45	13:30	1:17000 contact 1: 8000 ratio	11.9 ft. above M.L.W.
805 to 809 "	7-1-45	12:50	"	11.7 ft. " "
979 to 991 "	7-1-45	14:15	1:5000 contact	11.7 ft. " "
1047 to 1049 "	7-1-45	14:30	"	11.7 ft. " "
U.S. Engineers				
103V - 15 & 16	9-26-44	15:00	1:8000 ratio	1.7 ft. " "
26 V - 13 & 14	8-10-44	15:00	"	3.3 ft. " "

Form T-1

DATA RECORD

T- 8701

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

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

Compilation Office: Portland, Ore **Chief of Party:** R. A. Earle

Instructions dated (II III): July 12, 1945
Supplemental Instructions: Aug. 29, Sept 10, Oct. 25, Nov. 30, and Dec. 6, 1945

Copy filed in ~~Descriptive Report No. T-~~ (VI) Div. Photogram. Office Files

Completed survey received in office: 20 Feb. 1947

Reported to Nautical Chart Section: -

Reviewed: 18 June, 1947 **Applied to chart No.** 6171 **Date:** 3/5/48

Redrafting Completed: 2 Sept, 1947

Registered: Dec 12 Nov. 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): Oswego STACK, WHITE CONCRETE, 1945

Lat.: 45° 25' 02.823"(87.2m) 02.826 (87.2m) **Long.:** 122° 39' 33.856"(736.1m) 33.861 (736.2m) **Adjusted** G.P.'s p. 933 **Unadjusted X** ~~field computation~~

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)

Number	Date	Time	Scale	Stage of Tide
			1:17000 contact	
569 to 573 Inc.	6-30-45	13:30	1: 8000 ratio	11.9 ft. above M.L.W.
805 to 809 "	7-1-45	12:50	"	11.7 ft. " "
979 to 991 "	7-1-45	14:15	1:5000 contact	11.7 ft. " "
1047 to 1049 "	7-1-45	14:30	"	11.7 ft. " "
U. S. Engineers				
103V - 15 & 16	9-26-44	15:00	1:8000 ratio	1.7 ft. " "
26V - 13 & 14	8-10-44	15:00	"	3.3 ft. " "

Tide from (III): Daily readings of the U.S. Engineer tide gauge located at Government Moorings on the west shore of the Willamette River just south of St. Johns Bridge. The 0+00 of the gauge is M.L.W., Columbia River, which is 1.29 ft. above Mean Sea Level.

Mean Range: **Spring Range:**

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

Field Inspection by: See remarks, page 3 **date:**

Field Edit by: J.H. Winniford, Photo. Aid **date:** Jan., 1947

Date of Mean High-Water Line Location (III): December 6, 1945

Note: The U.S. Engineers photographs taken on Sept. 26, 1944, when the water level was 1.7 ft. above M.L.W. and on Aug. 10, 1944 when the water level was 3.3 ft. above M.L.W. were used to delineate the high-water line of the Willamette River as shown on this map manuscript. From these photographs a water line of 5.0 ft. above M.L.W., the datum of this project, was delineated.

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: Fred P. Jeeter **date:** Jan., 1946

Radial Plot by: James L. Harris & J. E. Deal **date:** Feb. 27, 1946

Detailed by: Carita C. Wiebe **date:** Sept. 24, 1946

Reviewed in compilation office by: R.A. Davidson **date:** Dec. 31, 1946

Corrections and changes after field edit by: Ree H. Barron date: Feb. 5, 1947

Review after changes due to field edit by: Roy A. Davidson date: Feb. 6, 1947

Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr. **date:** Jan., 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 8.0

Shoreline (More than 200 meters to opposite shore): 10.0 statute miles

Shoreline (Less than 200 meters to opposite shore): 1.0 statute miles

Number of Recoverable Topographic Stations established: 6
(3 topographic stations, 2 section corners and 1 USGS Prim. Trav. Station)

Number of Temporary Hydrographic Stations located by radial plot: 23

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: J.C. LaJoye, Prin. Photo. Aid date: Dec., 1945

Shoreline Inspection by: J.C. LaJoye, Prin. Photo. Aid date: Dec., 1945

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

FIELD INSPECTION REPORT

T-8699 to T-8701 Inclusive

Project CS-322

1 to 25: All the information that is applicable to these side headings is given in the "Field Inspection Report, Project CS-322, Area of the Third Radial Plot", which was enclosed with the Descriptive Report for Quadrangles T-8702 and T-8703. This Descriptive Report has been submitted.

Approved by:

R. A. Earle
Chief of Party

Respectfully submitted:

Charles Hanavich
Topogtaphic Engineer

I-8699

△ Tigard, 1946
△ Tigard, St Anthony Ch. Spire, 1946
△ Hiteon, 1946 (W. of map-area)

Amendment to File Data

Since project CS-322 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-322 are now filed in the Bureau Archives, rather than according to the red notes in the Descriptive Reports:

		Access No.
A.	Special Reports:	
	1. Investigation of Boundary Monuments and Land Lines for Radial Plots 1, 2, 3, and 4	CS-322 Rept. 1
	2. Radial Plots 1, 2, 3, and 4	" " 2
	3. Legal descriptions of boundaries	" " 3
	4. Field Inspection for plots 1, 2, 3, and 4	" " 4
B.	Computations: Triangulation and Traverse	943/GTZ G-6785
C.	Field records:	
	1. Horizontal Angles (form 250) 12 vol.	943/GH G-7082
	2. Traverse Measurements (form 590) 9 vol.	943/GB G-7083
	3. Descriptions (form 525) and recoveries (form 526)	943/GA G-6786
	4. Pricking cards (form M-982-1) for tri. and Trav.	Div. of Photogrammetry General File
	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-8699, T-8700 & T-8701
Project CS-322

26. Control:

At the time this project was started there were eight horizontal control stations within the area of these three map manuscripts. Seven were recovered and six of these were identified for use in the radial plot. A geodetic party established four new triangulation stations in the area of Map Manuscript T-8699. Three of these were identified for use in the radial plot. In addition a field unit from this office established three temporary control stations and one new triangulation station in the area of Map Manuscript T-8701. → Iron Mountain, 1946

A complete tabulation of the horizontal control stations which were originally in the area of these three map manuscripts is attached to the "Field Inspection Report, Project CS-322, Area of the Third Radial Plot". This report is included with the descriptive report for Map Manuscripts T-8702 and T-8703 which has been forwarded.
→ Filed in Div. of Photogram. General Files under "Special Reports."

A complete tabulation of supplemental horizontal control stations established in this area is attached to a special report, "Third-Order Triangulation and Traverse, Project CS-322, Area of the Third Radial Plot", which has been forwarded.
→ Filed in Library & Archives under G-6785

27. Radial Plot:

The facts concerning the radial plot for the area of these three map manuscripts have been fully covered in the "Descriptive Report, Third Radial Plot, Project CS-322". This radial plot report was included with the descriptive report for Map Manuscripts T-8702 and T-8703 which has been forwarded.
→ Filed in Div. 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. Engineers Corps, Portland, Oregon, and ratio printed at a scale of 1:8000 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 descrepancy 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 map which is being forwarded with the map manuscripts, was used to supplement the photographs:

Blue Print City of Oswego, Oregon Scale: 1" = 200'.
Filed with map manuscript T-8701

The following maps or plans which were also used have been forwarded:

Multnomah County Assessors Office Sheets Nos. 18 and 30.
Map of Clackamas County, Ore. (for reference purposes only).] Project Files

30. Mean High-Water Line:

There are no high-water lines within the area of Map Manuscripts T-8699 and T-8700. Portions of the Willamette River fall within the area of Map Manuscript T-8701.

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 Soal Lines:

The field inspection unit indicated an indefinite low-water line around three small rock areas, in the Willamette River, which bare at low-water. This low-water line has been shown by a light-weight dotted line which encloses the area and has been appropriately noted. There were no shoal areas indicated by the field inspection unit.

32. Details Offshore from the Mean High-Water Line:

Several small rock islands are the only details offshore from the 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 Map Manuscript T-8701 copies of Form 567 are being submitted recommending the charting of the triangulation station, "STACK, WHITE CONCRETE, 1946", as a nautical landmark.

35. Hydrographic Control:

Twenty-two 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 Willamette River, by the ship "Westdahl". They are shown on the map manuscript with 2.0 mm black acid ink circles with a short description lettered nearby. This office compiled the shoreline and adjacent detail on Map Manuscript T-8701 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 or aeronautical aids within the limits of these three map manuscripts.

37. Geographic Names:

Only undisputed geographic names are shown on the map manuscripts. 814

Geographic Names are the subject of the special report, "Investigation of Geographic Names, Project CS-322, Area of the Third Radial Plot", which will be forwarded.
→ Filed in Geographic Names Section, Div. of Charts.

38. Recoverable Topographic Stations:

In the area of Map Manuscript T-8699 copies of Forms 524 are being submitted for the following:

T-8699
19 recov.
9 plotted

T-8700
3 recov.
3 plotted

T-8701
12 recov
9 plotted

Special Report: Investigation of Boundary Monuments & Land Lines ...
Area of the Third Radial Plot.
Filed in Div. of Photogram. Gen. Files under "Sp'l. Rep'ts."

DOME, Red Barn, 1946.
PTS No. 69, 1913 (USGS), 1946.
T 1S R 1W Section Corner 26-27-34-35, 1946.

In the area of Map Manuscript T-8700 copies of Forms 524 are being submitted for the following:

WILLAMETTE MERIDIAN, T1S R1W-1E, Sec. Cor. 25-30-31-36, 1946.
WILLAMETTE MERIDIAN, T1S-2S R 1W-1E, Sec. Cor. 1-6-31-36, 1946
T 1S-2S R 1E, Section Corner 4-5-32-33, 1946.

In the area of Map Manuscript T-8701 copies of Forms 524 are being submitted for the following:

ABE, 1945 CAB, 1945 MAW, 1945
PTS No. 18, 1911 (USGS), 1945.
T 1S-2S R 1E Section Corner 3-4-33-34, 1946.
T 2S R 1E Section Corner 9-10-15-16, 1946.

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscripts T-8699, T-8700 and T-8701, 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 foot lettered nearby.

41. Donation Land Claims and Section Lines: Filed with map manuscript.

Donation land claims and section lines were located on ozalid prints of the map manuscripts after the initial compilation had been completed. These lines, with pertinent explanatory notes, were placed on the prints in red and purple ink respectively, by the field party, and were traced on the map manuscripts by the compilers. The ozalid prints containing these lines are being forwarded.

44. Comparison with Existing Topographic Surveys:

See record sheet which accompanies each map manuscript.

45. Comparison with Nautical Charts:

There are no nautical charts of the area of these three map manuscripts.

Approved and forwarded:

R. A. Earle
Chief of Party

Respectfully submitted:
February 5, 1947

J. Edward Deal, Jr.
Photogrammetric Engineer

FIELD EDIT REPORT
T-8699 to T-8701 inclusive
Project CS-322

46. Methods:

These map manuscripts were field edited in accordance with the Field Edit Instructions dated 24 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. Due to extensive construction of new buildings (especially houses), several new roads, and other features, a large amount of cultural detail had to be added in the area of these three sheets. Additional changes and additions are also to be expected in the future because of contemplated construction work. This new cultural detail was located by planetable methods or field measurements on the field photographs or the ozalid sheets. Several changes and omissions were noted and corrected in drainage. The names and numbers of roads or streets, which were indicated on the prints, were obtained and the spelling verified from official road signs. Other minor changes, omissions, additions, and deletions were noted and corrected.

In T-8701, all offshore and shoreline features were checked. Several additions and corrections were noted. The heights of a few isolated rocks that were omitted during the field inspection were obtained by the field editor. The vertical and horizontal clearance of the railroad bridge over the Willamette River was verified.

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. W. E. Kidder, a real estate dealer in Tigard and for many years a native of this town (in T-8699); by Mr. W. E. Simonton, Engineer for the Murphy Real Estate Company of Oswego, and for many years a resident of the area (in T-8700); and by Mr. H. G. Richardson, City Surveyor, Portland (in T-8701).

48. Accuracy Tests:

The results of the horizontal accuracy test on these map manuscripts are attached to the back of this report.

These maps are believed to comply with the standard map accuracy requirements.

49. Bench Mark Elevations:

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

50. Donation Land Claims and Section Lines:

Donation land claims and section lines were located on additional ozalid prints of the map manuscripts by a special field party after the initial compilation had been completed. These lines were indicated in red and purple ink, respectively, and supplemented, if necessary, by explanatory notes. These additional ozalid prints will be submitted with the field edit sheets.

Field Edit reviewed by:

Charles Hanavich
Charles Hanavich
Topographic Engineer

Field Edit by:

J. H. Winniford
J. H. Winniford
Photo. Aid

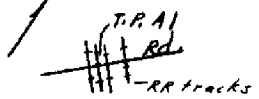
Approved by:

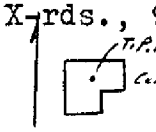
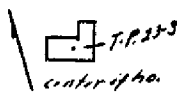
R. A. Earle
R. A. Earle
Chief of Party

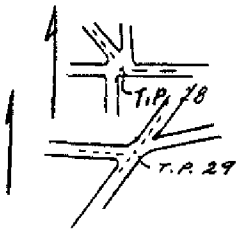
HORIZONTAL ACCURACY TEST
Map Manuscripts T-8699, T-8700 & T-8701.
Project CS-322

This test consists of a check traverse between triangulation stations TIGARD, 1946 and IRON MTN, 1946. The traverse is 5.5 statute miles in length; the probable error is one part in 31,900. There are 43 test points available. 24 of the test points fall in T-8699, 18 in T-8700, and 1 in T-8701. In the tabulation, the geographic position from the traverse computation is referred to as T.P.No., and the scaled position from the map manuscripts is referred to as M.M.No. The scale of the map manuscripts is 1:8,000.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	Latitude	Longitude	Displacement in mm
T-8699				
	T.P.No.A1	45 25 1582.8	122 46 240.8	
	M.M.No.A1	1581.6	242.1	.18
Inter. of T-rd., 80 degrees	T.P.No.A2	45 25 1499.1	122 46 342.8	
	M.M.No.A2	1500.4	344.1	.18
Center of house	T.P.No.1	45 25 1297.2	122 46 181.1	
	M.M.No.1	1298.0	180.5	.10
Inter. of rd. & RR, 45 degrees	T.P.No.2	45 25 1216.4	122 45 1173.7	
	M.M.No.2	1220.7	1175.3	.43
Inter. of rd. & RR, 45 degrees	T.P.No.3	45 25 1181.5	122 45 1174.2	
	M.M.No.3	1185.2	1174.4	.37
Inter. of rd. & stream, 70 degrees	T.P.No.4	45 25 799.3	122 45 1137.0	
	M.M.No.4	795.9	1135.4	.37
	T.P.No.5	45 25 766.9	122 45 1137.0	
	M.M.No.5	Prv. drive - not compiled		
Inter. of T-rd., 90 degrees	T.P.No.6	45 25 673.6	122 45 1136.8	
	M.M.No.6	674.8	1135.2	.13
	T.P.No.7	45 25 508.8	122 45 1133.4	
	M.M.No.7	Prv. drive - not compiled		
	T.P.No.8	45 25 385.9	122 45 1130.6	
	M.M.No.8	Prv. drive - not compiled		
Inter. of T-rd., 85 degrees	T.P.No.9	45 25 249.8	122 45 1127.5	
	M.M.No.9	248.1	1128.0	.18
Inter. of T-rd., 70 degrees	T.P.No.10	45 25 24.1	122 45 1077.8	
	M.M.No.10	28.0	1078.4	.39

Center of house	T.P.No.11	45	25	11.1	122	45	1045.8	
	M.M.No.11			8.8			1043.9	.30
Inter. of T-rd., 60 degrees	T.P.No.12	45	24	1699.5	122	45	1038.3	
	M.M.No.12			1704.2			1036.1	.52
Inter. of T-rd., 90 degrees	T.P.No.13	45	24	1198.8	122	45	1036.6	
	M.M.No.13			1200.1			1034.3	.26
Inter. of T-rd., 90 degrees	T.P.No.14	45	24	1163.9	122	45	1036.8	
	M.M.No.14			1165.8			1035.8	.21
X-rds., 90 degrees 	T.P.No.15	45	24	495.2	122	45	1044.3	
	M.M.No.15			497.8			1044.0	.26
	T.P.No.16	45	24	462.5	122	45	687.5	
	M.M.No.16			463.9			688.5	.17
Inter. of T-rd., 90 degrees	T.P.No.17	45	24	497.0	122	45	539.8	
	M.M.No.17			501.7			541.2	.49
Inter. of T-rd., 45 degrees	T.P.No.18	45	24	414.9	122	45	341.0	
	M.M.No.18			417.1			340.9	.22
Inter. of rd. & stream, 80 degrees	T.P.No.19	45	24	387.1	122	45	294.5	
	M.M.No.19			390.0			296.0	.32
Inter. of rd. & RR, 80 degrees	T.P.No.20	45	24	325.4	122	45	190.3	
	M.M.No.20			327.1			189.6	.18
Inter. of T-rd., 80 degrees	T.P.No.21	45	24	268.0	122	45	94.0	
	M.M.No.21			270.1			93.2	.21
	T.P.No.23-3	45	24	559.4	122	45	29.8	
	M.M.No.23-3			563.9			29.6	.45
T-8700								
Inter. of T-rd., 90 degrees	T.P.No.22	45	24	355.6	122	44	1298.6	
	M.M.No.22			360.4			1298.9	.48
Y-rd, 30 degrees	T.P.No.23	45	24	494.9	122	44	1137.2	
	M.M.No.23			497.1			1139.2	.30
Y-rd., 45 degrees	T.P.No.23-1	45	24	557.9	122	44	1132.6	
	M.M.No.23-1			561.1			1134.7	.38
Inter. of rd., & RR, 80 degrees	T.P.No.23-2	45	24	655.7	122	44	1029.6	
	M.M.No.23-2			658.7			1028.4	.32
Inter. of T-rd., 35 degrees	T.P.No.24	45	24	966.3	122	44	644.1	
	M.M.No.24			967.4			645.1	.15
X-rds., 90 degrees	T.P.No.25	45	24	1092.6	122	44	505.2	
	M.M.No.25			1095.0			504.2	.26

Y-rd.,45 degrees	T.P.No.26	45	24	865.0	122	44	279.0
	M.M.No.26			866.0			277.3 .20
Y-rd., 45 degrees	T.P.No.27	45	24	678.9	122	44	94.8
	M.M.No.27			680.5			94.4 .16
	T.P.No.28	45	24	488.4	122	43	1215.4
	M.M.No.28			491.7			1217.5 .39
	T.P.No.29	45	24	490.2	122	43	970.4
	M.M.No.29			488.5			973.8 .38
Center of house	T.P.No.30	45	24	581.9	122	43	617.8
	M.M.No.30			585.6			619.5 .41
X-rds degrees	T.P.No.31	45	24	689.7	122	43	411.0
	M.M.No.31			692.8			411.2 .31
Center of Church	T.P.No.32	45	24	929.6	122	42	1276.1
	M.M.NO.32			930.9			1276.0 .13
Inter. of T-rd.,	T.P.No.33	45	24	912.9	122	42	1241.1
90 degrees	M.M.No.33			912.9			1242.7 .16
Center of house	T.P.No.34	45	24	1140.4	122	42	872.4
	M.M.No.34			1140.5			871.5 .09
Y-rd., 35 degrees	T.P.No.35	45	24	1180.2	122	42	677.4
	M.M.No.35			1180.6			678.2 .09
X-rds., 90 degrees	T.P.No.36	45	24	1213.6	122	42	577.1
	M.M.No.36			1212.4			577.1 .12
Inter. of rd. & RR,	T.P.No.37	45	24	1312.1	122	42	280.3
40 degrees	M.M.No.37			1309.7			279.3 .26
T-8701							
Center of house	T.P.No.38	45	24	1602.2	122	41	1269.0
	M.M.No.38			1599.6			1267.7 .29

Test points No. 5, 7, and 8 were not scaled inasmuch as these points were established at the intersection of a highway and private drives. The less well defined points are 1, 11, 16, 23-3, 30, 32, 34, and 38; the remaining test points are well defined.

All the points were found to test within the standard map accuracy requirements.

Approved by:
R. A. Earle
Chief of Party

Respectfully submitted:
Charles Hanavich
Topo. Engineer

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-8699

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

28. Detailing.

Many of the woodland areas and orchards have very regular boundary limits which were not evident on the manuscript. This was particularly true of orchards where definite rectangular areas were shown with rounded corners giving these areas an oval appearance. These areas have been corrected by the reviewer.

41. Donation Land Claims and Section Lines.

The south boundary of the Thomas Stott D.L.C., which extends east to the Willamette Meridian, has been moved north. The distances from this boundary north to the section line and south to the township line are in agreement with the G.L.O. plats. There are no plats or other maps available for the area south of the township line on T-8699.

The portion of the west boundary of the Geo. Richardson D.L.C., which was shown following Ore. Hwy. No. 217, has been moved eastward and now follows the section line.

The north boundary of the David C. Graham D.L.C. has been moved south and the west boundary has been moved in a westerly direction. The new position of the north boundary is in agreement with the G.L.O. plat and is also the same position as shown on the contact prints submitted by the Portland Office.

The west boundary was moved to agree with the measured distance on the G.L.O. plat.

The east boundary of the John L. Hicklin D.L.C. has been drawn parallel to the east line of the small hiatus adjoining it.

Section corner 25-26-35-36 is indicated as a recovered monumented corner in the Special Report on Investigation of Boundary Monuments and Lines, Area of the Third Radial Plot. No recovery card or photo identification was submitted for this corner, therefore,

this corner has been shown in the above report and on the manuscript as an unrecovered corner.

On the basis of measurements given on the G.L.O. plats, the section corner has been moved eastward. This ties it in with the D.L.C. boundaries, and the data on the adjoining manuscript T-8693.

Section corners 1-2-35-36 and 1-2-11-12 have been moved eastward and are now in agreement with the G.L.O. plat.

The section line from corner 26-27-34-35 to corner 10-11-14-15 has been moved eastward. The original field location as submitted was in order and the error in location of the section line occurred in the compilation of the manuscript.

Section corners 2-3-34-35 and 2-3-10-11 have been moved eastward because of the above change.

All D.L.C. boundaries falling along this section line have been moved accordingly.

44. Comparison with Existing Topographic Surveys.

Tualatin, Oreg., U.S.G.S., 1:62,500, 1914
" " U.S.E. , 1:62,500, 1938-39

The more recent U.S.E. quadrangle is in good agreement with the map manuscript. Refer to the Record Sheet in the Descriptive Report for T-8699.

45. Comparison with Nautical Charts.

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

48. Accuracy Tests.

Results of the horizontal accuracy test run on this map manuscript have been verified. It is believed that this map complies with national standard map accuracy requirements.

Reviewed by:

K. N. Maki
Photogrammetrist
27 May 1947

Reviewed under direction of:

S. V. Griffith 6/2/47
Chief, Review Section

APPROVED BY:

B.A. 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. K. Green
Chief, Div. of Coastal
Surveys

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-8700

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

28. Detailing

The numerous Oswego Lake shoreline changes were made to bring it into agreement with the line as established by the field inspection party.

41. Donation Land Claims and Section Lines

Minor adjustments were made to two land claims. Section lines were adjusted to agree with the position they originally occupied on the General Land Office plats.

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.

48. Accuracy Tests

Results of the horizontal accuracy test run on this map manuscript have been verified. It is believed that this map complies with national standard map accuracy requirements.

Reviewed by:

K. N. Maki
K. N. Maki
Photogrammetrist

Reviewed under direction of:

S. V. Griffith
S. V. Griffith
Chief, Review Section

6/17/47

APPROVED BY:

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

H.E. Rittenburg
Chief, Nautical Chart Br.
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

E.K. Green
Chief, Div. of Costal Surveys

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-8701

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

28. Detailing

Detail corrections on this map manuscript were confined to the relocation of buildings and dolphins and the clarification of woodland boundaries and classifications.

41. Donation Land Claims and Section Lines

The boundaries of four Donation Land Claims were corrected on the map manuscript. Distances and courses shown on the General Land Office plats were used to make these adjustments.

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.

48. Accuracy Tests

Results of the horizontal accuracy test on this map manuscript have been verified. It is believed that this map complies with national map accuracy requirements.

Reviewed by:

K. N. Maki
Photogrammetrist
6/19/47

Reviewed under direction of:

S. V. Griffith 6/19/47
Chief, Review Section

APPROVED BY:

B.B. 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.F. Green
Chief, Div. of Coastal Surveys

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project CS-322 T-8701

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Portland, Oregon February 4, 1947

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 J.H.Neal

R. A. Earle *Chief of Party.*

STATE OREGON

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE								
			° ′	D.M. METERS	° ′	D. P. METERS							
STACK	White Concrete Stack West Side Willamette River at Oswego	STACK	45 25	(1765.1) 87.2	122 39	(568.5) 736.1	N.A. 1927	Triangulation	1945				Area not charted.

Note: (Unadjusted Field Computation) STACK, White Concrete, 1945.

GPs p. 233

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. 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.

GEOGRAPHIC NAMES

Survey No. T-8699-8700-01

T-8699

1 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Oregon ✓										1
Washington County ✓										2
Southern Pacific										3
Spokane Portland and Seattle		(Oregon - ca 31) ✓								4
U.S. 99 W	✓									5
Oregon Nos. 210, 217	✓									6
										7
										8
Durham	✓									9
Durham Road	✓									10
Fanno Creek	✓									11
Bonita	✓									12
Bonita Gospel Hall	✓									13
Elizabeth Road ~~Suttler Road~~	(or Sattler?) ok									14
Neeve Road Bend Road										15
Bull Mountain Road										16
Evangelical Cemetery St. Anthony Catholic Cemetery										17
~~Haslage~~ Road	(?)									18
~~F~~Finner Road										19
Tigard										20
Tigard Evangelical Church										21
Tigard Grange Hall										22
O'Mara Road Tigard Public School										23
St. Anthony Church and School										24
~~Tigard Lumber Company~~										25
~~Air King Manufacturing Company~~										26
~~Tigard Packing Mill~~										27

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GEOGRAPHIC NAMES

Survey No. T-8699,8700-01

T-8699 (continued):

2 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Tigard P.O.										1
Tigard Station Tigard Community M.E. Church										2
~~Tigard Nut Packing Company~~										3
~~Tigard Concrete Products Company~~										4
Tigard Union High School										5
Hunziker Road Greenburg										6
Greenburg Road										7
Natures Health Studio										8
Crescent Park Cemetery										9
Metzger										10
Metzger P.O.										11
Metzger Community Park										12
Pfaffle (?) Road										13
~~E.C. Hall, Contractor~~										14
Metzger Church										15
Metzger Grade School										16
~~Youngs Funeral Home~~										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

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GEOGRAPHIC NAMES

Survey No. T-8699, 8700-01

T-8700:

3

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Oregon	✓									1
Washington County	✓									2
Multnomah County AND	"CLACKAMAS CO									3
Southern Pacific	✓									4
U.S. 99 W	✓	PACIFIC HIGHWAY		WEST	✓					5
Oswego Lake	✓									6
Bryant	✓									7
Bryant Road	✓									8
Cook	✓									9
~~Lower Road~~ DRIVE	✓									10
Boones Ferry Road	✓									11
Lake Grove	✓									12
Lake Grove School Community Park	✓									13
Lake Grove Community Presbyterian Church	✓									14
Church of Christ Scientist		✓								15
Oswego Hunt and Riding Club		✓								16
Iron Mountain		✓								17
Iron Mountain Boulevard		✓								18
Spring Creek		✓								19
Upper Boones Ferry Road		✓								20
Lake Oswego Game Reservation		Boundary	✓							21
Multnomah Clackamas Game Refuge		"	✓							22
Kerr Road ✓ Willamette Meridian ✓										23
West Portland - Hubbard Highway (under construction) ✓ Mt. Sylvania ✓										24
West Portland Park		(town) ✓								25
Hillcrest Bible School		✓								26
Villa Ridge Baptist Church	✓									27

M.234

GEOGRAPHIC NAMES

Survey No. T-8699, 8700-01

T-8700 (continued);

4 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Irving Park	✓									1
SW Capitol Highway	✓									2
Loll Monument	✓									3
SW Lancaster Drive	✓									4
										5
										6
										7
										8
										9
T-8701:										10
Oregon										11
Multnomah County										12
Clackamas County										13
Southern Pacific										14
Oregon No. 43	PACIFIC HIGHWAY (south of OSWEGO)									15
Willamette River										16
										17
South Oswego										18
Lake Oswego Game Reservation										19
Multnomah Clackamas Game Refuge										20
Oswego Lake										21
Oswego Creek										22
Lakewood										23
Lakewood Bay										24
Oswego LAKE Country Club										25
Iron Mountain Boulevard										26
Iron Mountain										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8699, 8700-01

T-8701 (continued)

5 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Marylhurst College										1
Christie Home										2
Oswego										3
Oswego ~~Luther~~ School										4
Oswego Church										
I.O.O.F.Hall										5
Flora Logging Company ~~Mill~~										6
Portland Cement Company										7
Christ Episcopal Church										8
~~Masonic Hall~~										9
~~Oswego State Bank~~										10
Sacred Heart School										11
Sacred Heart ~~Convent~~ Church										12
SW Terwilliger Boulevard										13
Tryon Creek										14
Briarwood	on 8702									15
Dunthorpe										16
Riverwood										17
Riverdale										18
Riverdale School										19
Palatine Hill										20
Palatine Hill Road										21
Sisters of St. Francis Convent										22
Lewis and Clark College										23
Waverly Country Club										24
SW Boones Ferry Road										25
SW Lancaster Drive										26
Englewood Drive ~~Post Station~~										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8699, 8700-01

T-8701 (continued):

6

	Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
✓	Dickinson Cannery										1
✓	Thesing Bar	(in river, east bank, ~~xxx~~ below railway bridge)									2
											3
											4
											5
											6
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Names underlined in red approved by L. Heck on 5/19/47

M 234

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
c/o Swan Island Postal Station
Portland 18, Oregon

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

70 KTA
74
78

17 June 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-8699

Reference: Your Letter, 78-RCR, dated 3 June 1947

The changes in the location of land lines indicated in the above reference have been verified or disproved by notes on the attached ozalid print of the map manuscript.

As stated in other review reports, many of these changes are accepted if they are in agreement with G.L.O. plat data, and if they do not necessarily disagree with local county maps which are often very sketchy. By accepting the lines in this manner we are, however, often throwing out the results of the field investigation which proved, in many cases, that the G.L.O. plats were wrong. As you know, the photographs of the field investigation have not been submitted to this office for further study, however, these are not requested as we would not have the personnel for a detailed field investigation.

The writer is not at all satisfied, either with our original field investigation of these lines, or the changes made in Washington where the tendency seems to be to hold ancient G.L.O. plats as final and accept the section lines as straight lines. If the pressure from a backlog of work, at both the District Office and the Photogrammetric Office, ever subsides, I will attempt to write a detailed report giving instructions on the location of all types of land lines. This could be used in case our Bureau is ever again involved in a project of this type.

R. A. Earle
Chief of Party

RAE/gw

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
c/o Swan Island Postal Station
Portland 18, Oregon

POST OFFICE ADDRESS:
TELEGRAPH ADDRESS:
EXPRESS ADDRESS:

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

2 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-8700

Reference: Your Letter, 78-aar, dated 19 June 1947

In reply to the above reference, the records at the courthouses in Multnomah, Clackamas and Washington Counties do not include the names of the following questionable claims:

John Dovee
Pembroke Gault
O. A. Greenes
David Powers
Robert E. Stephanson
J. S. Dickerson
Darius Taylor

Officials at the various county courthouses state that the above claims are either legal subdivisions or homestead claims, of which no permanent record was kept. They should not be shown on the map manuscript.

The claims of Caleb Barnes and Charles W. Bryant were recorded in the Clackamas County Courthouse, however, they were homestead claims and not donation land claims. They should not be shown.

The claim to the east of the Charles Brown D.L.C. is listed in the records of Clackamas County as the Waters Carmen Homestead Claim. It should not be shown on the published map.

Due to changes during the year in water levels in this area, the compiler accepted the field inspector's interpretation of the shoreline of Oswego Lake after verification by use of the stereoscope, Sufficient pass points were then radially plotted, by using the office photographs, to compile this shoreline. These pass points were then pricked on the field photographs on which the shoreline had been identified and the shoreline was then compiled directly from the field photograph. This method should have resulted in an exact duplication of the shoreline as established by the field inspector. In view of the careful office review at the compilation office, by Mr. Barron, it cannot be understood why it was necessary for the reviewer at the Washington Office to make numerous changes in the shoreline of Oswego Lake. This was stated in Paragraph 28 of the Review Report.

In Paragraph 41 of the Review Report, it was stated that section lines were adjusted to agree with the position they originally occupied on the G.L.O. plats. Information is respectfully requested as to whether or not this is the method used. This office has repeatedly called attention to the fact that the G.L.O. plats are very inaccurate and the above method should eliminate all time spent on an actual field verification of these lines.

Changes on this map manuscript were not forwarded for our approval, however, unless we can find something in county records to disprove your changes, we usually accept them. This is done not because we feel the original position was incorrect but because old records are so inadequate that we can not disprove a change without another comprehensive field inspection.

R. A. Earle
Chief of Party

RAE/gw

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

POST-OFFICE ADDRESS: c/o Swan Island Postal Station,
Portland 18, Oregon

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

78

29 July 1947

78

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

Subject: Review of Map Manuscript T-8701.

Reference: Your Letter 78-aar dated 23 June 1947.

The suggested changes in the position of land lines in the area of T-8701, which were made by the Washington Office, have been investigated.

It is believed that the field man used information he obtained from property owners and private surveyors when he originally located the land lines on this sheet. As there are no existing surveys or data on file in the Clackamas County Courthouse to substantiate this local information, it is recommended that the G.L.O. plat data, which cannot be disproved without extensive field investigation, be used to locate the lines.

The corrections recommended by the Washington Office were shown in red crayon on an ozalid print of T-8701. In order to bring these lines into better agreement with the G.L.O. plat data, it was necessary to make some slight changes. These are shown in green crayon pencil on the ozalid print. Pertinent notes have also been added giving reasons for the changes.

All changes made in the Washington Office and verified or slightly changed by this office; have been applied to the smooth draft sheet and corrected on the map manuscript.

R. A. Earle,
Lt. Comdr., USC&GS,
Chief of Party

B 8/7/47

NAUTICAL CHARTS BRANCH

SURVEY NO. 8701

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/5/48	6171	J J Walley	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.