8706
8707

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-8706 & Office No. T-8707

LOCALITY

State OREGON

General locality Clackamas County

Locality Willamette and Mt. Pleasant

194 7

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE February 9, 1948

8-1870-1 (1)

8706
8707

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Clackamas Co., Oregon

SHEET NO. T-8706

LOCALITY Willamette, Oregon

PROJECT NO. CS-322

PHOTOS ORDERED Aug., 1945 REC'D 9-24,26-45

SCALE 1:8000

PROJECTION ORDERED Dec. 1945 REC'D Jan. 29, 1946

CONTROL:
COMPUTED Bunce VERIFIED Harris

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce

AZIMUTHS Davidson

PASS POINTS Harris

TEMPLETS Bunce VERIFIED Harris

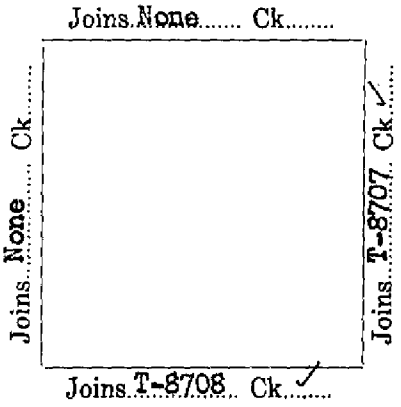
RADIAL PLOT: Eda H. Bunce
PLOTTED BY J. L. Harris DATE 12-20-46

VERIFIED J. E. Deal DATE 12-21-46

COMPILATION:
DETAIL POINTS C. Wiebe DATE 2-26-47

DETAIL BY C. Wiebe DATE 3-17-47

VERIFIED BY R. Barron DATE 3-20-47



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 U.S.G.S. Oregon City, Oregon, 15 minute quadrangle, scale, 1:62500. Planimetry which is common to the map manuscript and quadrangle 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 10 April 1947

R. A. Earle
Chief of Party

M-2305-12

PHOTOGRAPH DATA

Number	Date	Time	Scale	Water Level
			1:17000 contact	
576 to 580 Inc.	6-30-45	13:30	1: 8000 ratio	51.98 ft. above Mean S.Level
799 to 802 "	7-1-45	12:50	"	51.58 ft. "
992 to 1002 "	7-1-45	14:20	1: 5000 contact	51.58 ft. "
U.S. Engr.				
26V-47 to 49 "	8-10-44	12:42	1: 8000 ratio	53.28 ft. "

Form T-1

DATA RECORD

T- T-8706

Quadrangle (II): WILLAMETTE, 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: 16 April, 1947

Reported to Nautical Chart Section: -

Reviewed: 17 July, 1947 Applied to chart No. Date:

Redrafting Completed: 30 July, 1947

Registered: ~~1947~~ Jan 1948 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): WILLAMETTE, 1946

Lat.: 45° 20' 36.339" (1121.9m) 36.332 (1121.6m) Long.: 122° 39' ~~07.358~~" (160.2m) 07.352 (160.1m) Adjusted G.P.S p. 894 ~~Unadjusted X~~ (field computation)

State Plane Coordinates (VI):

X = [illegible] Y = [illegible]

Military Grid Zone (VI)

* Water level in Willamette River equals 52.0 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	Water Level ~~Stage of Tide~~
			1:17000 contact	
576 to 580 Inc.	6-30-45	13:30	1:8,000 ratio	51.98 ft. above Mean S.Level
799 to 802 "	7-1-45	12:50	"	51.58 ft. "
992 to 1002 "	7-1-45	14:20	1:5, 000 contact	51.58 ft. "
U.S. Engr. 6V-47 to 49 "	8-10-44	12:42	1:8,000 ratio	53.28 ft. "

Water Level:
~~Tide~~ from (III): Gauge readings Upper Lock, Oregon City, Oregon, 0 00 of gauge = 49.98 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: F. H. Elrod, Prin. Photo. Aid date: April, 1947

Date of Mean High-Water Line Location (III): January 23, 1946

Note: A high-water line of 52.0 ft. above Mean Sea Level was delineated on the U. S. Engineer photographs taken in Aug., 1944. A complete discussion of the water level in the Willamette River south of Oregon City, Oregon, may be found in the special report, "Field Inspection Report, Area of the Third Radial Plot, Project CS-322".

Projection and Grids ruled by (III) Washington Office date: January, 1946

" " " checked by: Washington Office date: January, 1946

Control plotted by: Eda H. Bunce date: December, 1946

Control checked by: James L. Harris date: December, 1946

Radial Plot by: James L. Harris & E. H. Bunce date: December 20, 1946

Detailed by: Carita C. Wiebe date: March 17, 1947

Reviewed in compilation office by: Ree H. Barron date: March 20, 1947
Correction and changes after field edit by: Ree H. Barron date: April 8, 1947
Review after changes due to field edit by: J. E. Deal date: April 9, 1947
Elevations on Field Edit Sheet
checked by: Charles Hanavich, Topographic Engr. date: March, 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 4.0

Shoreline (More than 200 meters to opposite shore): 4.5 statute miles

Shoreline (Less than 200 meters to opposite shore): 3.0 statute miles

Number of Recoverable Topographic Stations established: 8
(7 topographic stations and 1 land line monument).

Number of Temporary Hydrographic Stations located by radial plot: 46

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. MacArthur, Photo. Aid date: Jan., 1946

Shoreline Inspection by: J. C. LaJoye, Prin. Photo. Aid date: Jan., 1946

Recovery of Horizontal Control by: F.H. Elrod, Prin. Photo.Aid date: Nov., 1946

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 Clackamas Co., Oregon

LOCALITY Mt. Pleasant

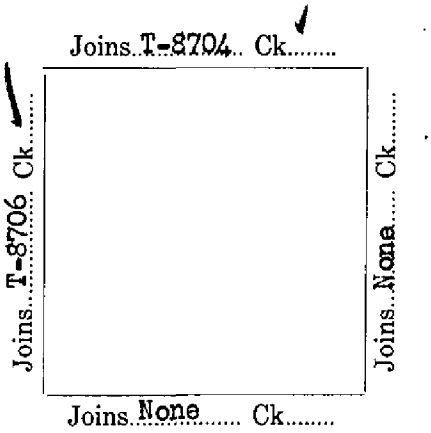
SHEET NO. T-8707

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED Aug., 1945 REC'D 9-24,26-45

PROJECTION ORDERED Oct. 1945 REC'D 11-5-45



CONTROL:
COMPUTED Bunce VERIFIED Harris

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce

AZIMUTHS Davidson

PASS POINTS Harris

TEMPLETS Bunce VERIFIED Harris

RADIAL PLOT: Eda H. Bunce
PLOTTED BY James Harris DATE 12-20-46

VERIFIED J. E. Deal DATE 12-21-46

DATE OF PHOTOS See reverse side

TIME OF PHOTOS "

STAGE OF TIDE "

COMPILATION:
DETAIL POINTS M. B. Elrod DATE 2-17-47

DETAIL BY M. B. Elrod DATE 3-17-47

VERIFIED BY R. Barron DATE 3-18-47

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

Due to a scale difference only a visual comparison was made with the U.S.G.S. Oregon City, Oregon, 15 minute quadrangle, scale, 1: 62500. Planimetry which is common to the map manuscript and quadrangle 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 10 April 1947

R. A. Earle
Chief of Party

PHOTOGRAPH DATA

Number	Date	Time	Scale	Water Level
			1:17000 contact	
712 to 716 Inc.	7-1-45	10:35	1: 8000 ratio	51.58 ft. above Mean Sea Level
784 to 787 "	7-1-45	12:20	"	51.58 ft. "
3489	11-21-45	13:15	"	58.78 ft. "
1050 to 1062 "	7-1-45	14:35	1: 5000 contact	51.58 ft. "
U. S. Engineers				
26V-50 to 52 Inc.	8-10-44	12:42	1: 8000 ratio	53.28 ft. "

Form T-1

DATA RECORD

T- 8707

Quadrangle (II): GLADSTONE, 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 Copy filed in Descriptive Report No. T- (VI)
Supplemental Instructions: Aug. 29, Sept. 10, Oct. 25, Nov. 30 and Dec. 6, 1945

Completed survey received in office: 16 April, 1947

Reported to Nautical Chart Section: -

Reviewed: 15 July, 1947 Applied to chart No. Date:

Redrafting Completed: 7 Aug. 1947

Registered: ~~1947~~ Jan 1948 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): OREGON CITY, 1941, r 1945

Lat.: 45° 20' 16.097" (496.9m) Long.: 122° 36' 14.254" (310.3m) Adjusted X
Unadjusted

State Plane Coordinates (VI):

X = 1,459,048.10 Y = 616,288.32 (P. 55)

Military Grid Zone (VI)

* Water level in Willamette River equals 52.0 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	Water Level ~~Stage of Tide~~
			1:17000 contact	51.58 ft. above Mean S.Level
712 to 716 Inc.	7-1-45	10:35	1:8 000 ratio	
784 to 787 "	7-1-45	12:20	"	51.58 ft. "
3489	11-21-45	13:15	"	58.78 ft. "
1050 to 1062 "	7-1-45	14:35	1: 5000 contact	51.58 ft. "
U. S. Engineers 26V-50 to 52 "	8-10-44	12:42	1: 8000 ratio	53.28 ft. "

Water Level: Gauge readings Upper Lock, Oregon City, Oregon,
~~Tide~~ from (III): 0 00 of gauge = 49.98 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: F. H. Elrod, Prin. Photo. Aid date: March, 1947

Date of Mean High-Water Line Location (III): January 24, 1946

Note: A high-water line of 52.0 ft. above Mean Sea Level was delineated on the U.S. Engineer photographs taken in Aug., 1944, A complete discussion of the water level in the Willamette River south of Oregon City, Oregon, may be found in the special report, "Field Inspection Report, Area of the Third Radial Plot, Project CS-322".

Projection and Grids ruled by (III) Washington Office date: October, 1945

" " " checked by: Washington Office date: October, 1945

Control plotted by: Eda H. Bunce date: December, 1946

Control checked by: James L. Harris date: December, 1946

Radial Plot by: Eda H. Bunce & James L. Harris date: December 20, 1946

Detailed by: Marie B. Elrod date: March 17, 1947

Reviewed in compilation office by: Ree H. Barron date: March 18, 1947
Corrections and changes after field edit by: Ree H. Barron date: April 4, 1947
Review after changes due to field edit by: J. E. Deal date: April 7, 1947
Elevations on Field Edit Sheet
checked by: Charles Hanavich, Topographic Engineer date: April, 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 8.2

Shoreline (More than 200 meters to opposite shore): 4.0 statute miles

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

Number of Recoverable Topographic Stations established: 4
(3 topographic stations and 1 township corner).

Number of Temporary Hydrographic Stations located by radial plot: 29

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. MacArthur, Photo. Aid date: Feb., 1946

Shoreline Inspection by: J. C. LaJoye, Prin. 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

FIELD INSPECTION REPORT
T-8706 and T-8707
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
Topographic Engineer

Neu. A

T-8206
Fields, 1946
Kiser, 1946
Willomette, 1946

T-8207
Pulp, 1946
Jack, 1946

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 N-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-8706 and T-8707
Project CS-322

26. Control:

At the time this project was started there were ~~seven~~ eight existing horizontal control stations within the area of the two map manuscripts. All were recovered and six were identified for use in the radial plot. 3 on 8706 3 on 8707

A geodetic party established seven permanent triangulation stations in this area. Five of these stations were identified for use in the radial plot. Data relative to adjusting an error in the U. S. Engineer traverse south from Oregon City along U. S. Highway No. 99E, is found in the "Descriptive Report Third Radial Plot, Project CS-322", which was attached to the descriptive report for Map Manuscripts T-8702 and T-8703.
→ Filed in Div. Photogram. General Files, under "Special Reports."
As the error in the traverse was not constant it was impossible to adjust the geographic positions of stations, MIX (USE), 1936 (OREG.) and D-14 (USE), 1936. They have been radially plotted as recoverable topographic stations.

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". This report is included with the descriptive report for Map Manuscripts T-8702 and T-8703, which has been forwarded.
→ Filed in Div. 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 two 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.
→ ¶ 26, above

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 of the Willamette River were delineated and detailed from photographs obtained from the U. S. Engineers at Portland, Oregon, and ratio printed at a scale of 1:8000 by the Coast and 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 was used to supplement the photographs has been forwarded:

Black line print - Map of Oregon City, Oregon, Scale: 1" = 600'
in "Project 322 Files

30. Mean High-Water Line:

The Willamette River south of Willamette Falls, between Oregon City and Newberg, is not effected by tidal action. This part of the river is a pool in which the water level is controlled by the height of sluice boards placed above the dam at Willamette Falls. The U. S. Engineers usually maintain a water level at an elevation of 51.6 ft. above Mean Sea Level which is the elevation of the first tier of sluice boards. After considerable study the field inspection unit decided to show a high-water line of 52.0 ft. above Mean Sea Level in this part of the river. (A detailed discussion on this subject may be found in paragraph 7 of the "Field Inspection Report, Area of the Third Radial Plot, Project CS-322," which has been forwarded).

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

The high-water line is shown by a continuous heavy-weight black acid ink line. The approximate water level during the normal spring floods is at the bottom of the bluff which is shown along both shores of the Willamette River and around the several small islands located in the river.

31. Low-Water and Shoal Lines:

The field inspection unit did not indicate any low-water lines in the area of these two map manuscripts. The approximate limits of covered rock areas, which are shoal at the water level of 52.0 ft. above Mean Sea Level, were indicated by the field inspection unit. These areas have been shown enclosed within a light-weight dashed acid ink line and appropriately noted.

32. Details Offshore from the High-Water Line:

Several small rocky islands and several rocks which bare at the water level of 52.0 ft above Mean Sea Level 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.

34. Landmarks and Aids to Navigation:

In the area of Map Manuscript T-8706 copies of Form 567 are being submitted recommending the charting of the following objects:

APEX WEST TRANSMISSION TOWER, ROCK ISLAND.
APEX MID-CHANNEL TRANSMISSION TOWER, ROCK ISLAND.
Airway Bc'n, No. 54, Petes Mtn.

In the area of Map Manuscript T-8707 copies of Form 567 are being submitted recommending the charting of the following object:

STANDPIPE (Green), 1946.

35. Hydrographic Control:

Seventy-five objects were located radially for use as temporary hydrographic signals. They are indicated on the map manuscripts by 2.0 mm black acid ink circles with a number lettered nearby. This number refers to a description which is listed in the left hand margin of the map manuscript. 24 on T-8707

36. Landing Fields and Aeronautical Aids:

There are no landing fields within the limits of these two map manuscripts. Form 567 is being submitted for the retention of AIRWAY BEACON #56 as an aeronautical aid.

37. Geographic Names:

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

Geographic Names are the subject of the special report, "Investigation of Geographic Names, Project CS-322, Area of the Third Radial Plot", which has been forwarded.

Filed in Geographic Names Section, Div. of Charts

T-8706
4 recov
4 plotted

T-8707
4 recov
2 plotted

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

38. Recoverable Topographic Stations:

In the area of Map Manuscript T-8706 copies of Form 524 are being submitted for the following:

MIX (USE)(1936), 1946.
D-14 (USE)(1936), 1946.
ROCK ISLAND UPPER LIGHT STAND, 1946.
ROCK ISLAND LOWER LIGHT STAND, 1946.
APEX WEST TRANSMISSION TOWER, 1946.
APEX MID-CHANNEL TRANSMISSION TOWER, 1946.
SAWDUST BURNER, (Dornbecher Lumber Mill), 1946.
Monumented Property Corner on Section Line 4 and 9, T 3S, 1E, 1947.

In the area of Map Manuscript T-8707 copies of Form 524 are being submitted for the following:

Cupola ELF, 1946.
Cupola ABE, 1946.
STANDPIPE (Green), 1946.
Township Corner T 2-3S, R 1-2E, 1946.

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscript T-8706 and T-8707 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 two map manuscripts.

Approved and forwarded:

R. A. Earle
Chief of Party

Respectfully submitted:
April 14, 1947

J. Edward Deal, Jr.,
Photogrammetric Engineer

FIELD EDIT REPORT
T-8706 and T-8707
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 also accurate, in regard to relative position.

Any drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by appropriate notes. The numerous buildings which were deleted consisted for the most part of small barns, garages, shacks, and buildings nearing the end of their useful life. New cultural detail was located by planetable methods or field measurements on the field photographs or ozalid sheets. The names of roads were verified from official signs or other official sources.

All offshore and shoreline features were checked and several corrections were noted. Other minor changes, omissions, additions, and deletions were noted and corrected.

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. Millin, Assistant County Surveyor of Clackamas County at Oregon City, Oregon. The geographic names in this area have been reviewed by Mr. Lewis A. Mc Arthur, 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 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:

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

Since there were few recovered corners located during the initial investigation of land lines in this area, an additional field investigation was made supplemented by the aid of the land lines indicated on the ozalid prints. A summary of the additional information and of the corners found is given below. This information is not listed in the special report on the investigation of boundary monuments and lines in the area of the third radial plot.

T-8706 - Section Corner 34-35-3-2, T 2-3S R 1E
Corner marked by identifiable property lines (intersection of fence line and an old abandoned road). The recovery of this corner was verified by local residents and by Mr. Meldrum, Clackamas County Surveyor. A pricking card has been submitted. The original mark was destroyed and has not been restored.

Monumented Property Corner on Section Line 4-9, T 3S R 1E
This monumented property corner, also serving as a line marker for section line 4-9, was verified by Mr. Meldrum, County Surveyor

T-8707 - Section Corner 13-18-24-19, T 3S R 1-2E
Corner marked by identifiable property lines. The recovery of this corner was verified by local residents and by Mr. Meldrum. A pricking card has been submitted. The original mark was destroyed and has not been restored.

From additional information obtained at Mr. Meldrun's Office it was found that the Bonneville Power Administration had found the stones marking section corners 11-12-13-14, T 3S R 1E and 12-7-13-18, T 3S R 1-2E. A through search was made without success for these two corners, however, the section line joining them, as indicated on the map manuscripts, was checked against the measurements indicated on the Bonneville Power Admn. Plat and found to be in fair agreement. For example, the measurements from the centerline of the power line projected along the ground to the section line was not in error by more than 5 meters.

For additional information refer to our letter dated 9 April 1947, on the subject of mapping land lines.

Field Edit reviewed by:

Charles Hanavich
Topographic Engineer

Field Edit by:

Frank H. Elrod
Prin. Photo. Aid

Approved by:

R. A. Earle
Chief of Party

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-8706

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

28. Detailing.

The detailed area of this map manuscript follows the irregular pattern indicated on the project layout.

Slight changes in position were made ~~of~~ To two of the towers on the Bonneville Power Administration Transmission Line.

41. Donation Land Claims and Section Lines.

Changes made to Donation Land Claim and section lines and claim names, which are to be verified as original claims, have been shown on an ozalid print of the map manuscript. This print is being forwarded to the Portland Office for verification. letter 29 July 1947 attached hereto

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

Planimetry common to the quadrangle maps and the map manuscript is in good agreement.

45. Comparison with Nautical Charts.

There are no nautical charts in the area of this map manuscript.

Reviewed by:

K. N. Maki

K. N. Maki
Photogrammetrist
7-17-47

Reviewed under direction of:

S. V. Griffith

S. V. Griffith
Chief, Review Section

APPROVED BY:

B.G. Jones 1/48
Technical Assistant to the
Chief, Div. of Photogrammetry

S.E. Pittenburg
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-8707

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

28. Detailing.

Woodland north of Willamette has been re-delineated.

41. Donation Land Claim and Section Lines.

The Donation Land Claim layout north of the Willamette River has been entirely reconstructed on an ozalid print of the map manuscript. This print is being forwarded to the Portland Office for verification. Letter 29 July 1947 attached hereto

44. Comparison with Existing Topographic Surveys.

Comparison has been made with the following quadrangles and all planimetry in common areas is superseded by T-8707:

U.S.G.S. Oregon City, Ore., 15', 1:62,500 1911-12 Rep. 1945.
U.S.E. Oregon City, Ore., 15', 1:62,500 1938-39.

45. Comparison with Nautical Charts.

There are no nautical charts in the area of this map manuscript.

Reviewed by:

Lena T. Stevens
Lena T. Stevens
Photogrammetrist
7-15-47

and

Harold R. Brooks
Harold R. Brooks
Cartographer
7-15-47

Reviewed under direction of:

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

APPROVED BY:

B.J. Jones 1/48
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

Form 567
Rev. March 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project CS-322
T-8707

LANDMARKS FOR CHARTS

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

Portland, Oregon, 3 April, 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. J. H. Neal

R. A. Earle
Chief of Party.

GENERAL LOCALITY: WILLAMETTE RIVER
OREGON CITY, OREGON

NAME AND DESCRIPTION	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM						
	° ′	D. M. METERS	° ′	D. P. METERS							
STANDPIPE (Green), 1946 on N side Willamette River	45 20	(86.5) 1765.8	122 37	(305.1) 1001.0	N.A. 1927	Radial Plot	1-14-46				Area not charted.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

U. S. GOVERNMENT PRINTING OFFICE 69875

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project CS-322
T-8706

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

(Nautical and Aeronautical)

TO BE CHARTED / ~~TO BE DELETED~~ — STRIKE OUT ONE

Portland, Oregon 3 April, 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 JEO.

R. A. Earle
Chief of Party.

STATE	OREGON (Willamette River)		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE			LONGITUDE							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS	DATUM						
TOWER	APEX WEST TRANSMISSION TOWER, ROCK ISLAND	TOWER	45 19	(1615.7) 236.6	122 40	(1207.7) 99.2	N.A. 1927	Radial Plot	1-21-46				Area not charted
TOWER	APEX MID-CHANNEL TRANSMISSION TOWER, ROCK ISLAND	TOWER	45 19	(1664.4) 187.9	122 39	(313.3) 993.6	"	"	"				"
BEACON	AIRWAY BEACON NO. 56, PETES MOUNTAIN, OREGON	BEACON	45 20	(798.8) 1053.5	122 41	(523.2) 783.1	"	Triangulation	1940				W-1

L 310 (947)

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-8706/07

T-8706:

1 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	
Oregon										1
Clackamas County										2
Willamette River										3
Southern Pacific	✓									4
Tualatin River	✓									5
U.S. 99 E Pacific Highway East		✓								6
Oregon 244		✓								7
Canby Ferry	(use of name for a locality or landmark will probably continue, altho in a note on T-8708 it is stated the ferry will not continue)									8
Kollemier Road										9
Kiser Road										10
Mountain Road										11
Mountain Road School (Abd)										12
Bonneville Power Administration Transmission Line										13
Petes Mountain										14
Petes Mountain Airway Beacon										15
Peach Cove Road										16
South End Road										17
Sevcik Pond										18
Coalco										19
Southern Pacific R.R. Rock Quarry										20
Rock Island										21
Rock Island Upper Light										22
Rock Island Light (?) (in 1945 L.L.)										23
Weiss Bridge										24
Willamette (see list of names on manuscript copy)										25
Willamette Park										26
Willamette School										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8706/07

	2 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	
	T-8706 (continued):										1
✓	~~Doller Street~~										2
											3
											4
											5
	T-8707:										6
✓	Oregon										7
✓	Clackamas County										8
✓	Willamette River										9
✓	Southern Pacific										10
✓	Borneville Power Administration Transmission Line										11
✓	U.S. 99 E ~~Pacific Highway East~~										12
✓	Oregon 244										13
✓	Cahill Creek										14
✓	Critser Road										15
✓	Beaver Creek										16
✓	Hog Hollow Road										17
✓	Pease Road										18
✓	Central Point Road										19
✓	South End Road										20
✓	Peavoi Road										21
✓	Pulp										22
✓	Beutel Road										23
✓	Partlow Road										24
✓	Partlow Myers Road										25
✓	Oregon City	Rivercrest									26
✓	Warner Parrott Road										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8706/07

3 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	
T-8707 (continued):										1
Warner Milne Road										2
Mt. Pleasant										3
Mt. Pleasant School										4
Canemah										5
Canemah Cemetery										6
Oregon City Marina Mart Moorage										7
Willamette										8
Johnson Road										9
West Linn CITY LIMIT										10
Tanner Creek										11
Willamette Falls	WITH T-8704									12
Portland Traction Company	with T-8704									13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by L. Herman 5/20/47

M 234

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

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

Subject: Review of Map Manuscript T-8706

Reference: Your Letter 78-ear dated 18 July 1947

The changes in the position of land lines, as recommended by the Washington Office, are accepted, as the adjustments do not contradict any planimetric detail shown on the map manuscript.

The following donation land claims should be added to the map manuscript:

- ✓Heirs at law of Oliver P. and Mary Anne Potts
- ✓Nathaniel Bell
- ✓Daniel Brock

The limits of these three new claims have been shown on the ozalid print and excerpts from copies of the original deeds have been written on the reverse of said print.

The John S. Kauffman claim, which you questioned, is a homestead claim and should not be shown on the published map.

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

8/7/47

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:

29 July 1947

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

Subject: Review of Map Manuscript T-8707.

Reference: Your Letter 78-aar dated 17 July 1947

The changes in the location of land lines, as recommended by the Washington Office, are in agreement with data on file in the court house at Oregon City and with the General Land Office plats. Since the General Land Office plat data cannot be disproved without extensive field investigation, the changes, as shown in purple crayon on the ozalid print, are accepted.

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

8/6/47

NAUTICAL CHARTS BRANCH

SURVEY NO. T8706 T8707

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/8/48	6171	J S Walker	~~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.