8695
8696

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-8695 *Office No.* T-8696

8695
8696

LOCALITY

State Oregon

General locality Multnomah County, Oregon

Locality Portland, Oregon
(Ross Island and Sellwood Districts)

1946

CHIEF OF PARTY

R.A. Earle

LIBRARY & ARCHIVES

DATE December 11, 1947

8-1870-1 (1)

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Willamette River

LOCALITY Ross Island, Portland, Oregon

PHOTOS ORDERED Aug., 1945 REC'D 8-17-45

PROJECTION ORDERED November, 1945 REC'D 10-1-45 12-20-45

CONTROL:
COMPUTED Harris VERIFIED Jeeter

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce, Jeeter, Harris

AZIMUTHS Davidson, Letson

PASS POINTS Jeeter, Bunce
Jeeter

TEMPLETS Bunce VERIFIED Harris

RADIAL PLOT:
PLOTTED BY Jeeter, Harris DATE 1-22-46

VERIFIED J. E. Deal DATE 1-23-46

COMPILATION: Shoreline: Barron 1-23 to 2-2-46
DETAIL POINTS Int: Turner DATE 3-29-46
Shoreline: Barron 2-15-46
DETAIL BY Int: Wiebe DATE 4-1-46
J.E. Deal 10-7-46
VERIFIED BY R. Davidson DATE 10-9-46

SHEET NO. T-8695

PROJECT NO. CS-322

SCALE 1:8000

Joins T-8687 Ck

Joins T-8694 Ck

Joins T-8696 Ck

Joins T-8701 Ck

DATE OF PHOTOS See reverse side

TIME OF PHOTOS See reverse side

STAGE OF TIDE See reverse side

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

Due to scale difference only a visual comparison was made with the U.S.G.S. Oregon City, Oregon 15 min. quadrangle, Scale 1:62500. Planimetry common to the map manuscript and the quadrangle is in good agreement. The quadrangle does not show a low island located between Hardtack Island and the mainland of S.E. Portland and the high-water line of the quadrangle is apparently at a higher level than

(over)

REMARKS

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

FORWARDED TO Washington Office DATE November 15, 1946

R. A. Earle
Chief of Party

M-2305-12

Cop

(Comparisons Continues)

that of the map manuscript.

By use of the vertical projector a comparison was made with an acetate copy of Topographic Survey, No. 6619b (INSERT) June, July, 1938, original scale 1:10,000 and reduced to a scale of 1:16,000. Spring floods and dredging operations have caused changes in the shorelines at the south ends of Ross Island and Hardtack Island, since the topographic survey was made. The north end of Ross Island has built up about 50 meters. Elsewhere the map manuscript and topographic survey are in good agreement.

Comparison was made with nautical chart No. 6155, scale 1:20,000 by use of the vertical projector. The following differences were noted:

The shoreline at the south ends of Ross Island and Hardtack Island have changed since the chart was made due to spring floods and dredging operations.

The chart does not show a large grass and water area east of The Oaks Amusement Park.

The roads and streets adjacent to the high-water line on the chart are only in fair agreement with the map manuscript.

There are no nautical charts of the Willamette River south of the Sellwood Bridge.

PHOTOGRAPH DATA

Photo. No.	Date	Time	Stage of Tide
566 to 569 Incl.	6-30-45	13:30	11.9 ft. above M.L.W.
809 to 812 "	7-1- 45	12:50	11.7 ft. " "
962 to 973 "	7-1- 45	14:45	11.7 ft. " "
1063 to 1070 "	7-1- 45	14:45	11.7 ft. " "
U.S. Engineer 103V-116 to 123 Incl.	9-26-44	15:30	1.65 ft. " "

Form T-1

DATA RECORD

T- 8695

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

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

Compilation Office: Portland, Oreg **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: 26 Nov. 1946

Reported to Nautical Chart Section: -

Reviewed: 19 May, 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 19 June, 1947

Registered: ~~26 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): Hillvilla (Oregon) 1935, r1945

Lat.: 45° 29' 00.854" (26.4m) **Long.:** 122° 40' 54.586" (1185.5m) **Adjusted** X **Unadjusted**

State Plane Coordinates (VI): Oregon – North Zone

X = 1,440,466.67 feet Y = 669,945.25 feet

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 1929general adjustment of leveling in the U.S.A.

Copy ck

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
			1:17000 contact	
566 to 569 Incl.	6-30-45	13:30	1: 8000 ratio	11.9 ft. above M.L.W.*
809 to 812 "	7-1-45	12:50	"	11.7 ft. " "
962 to 973 "	7-1-45	14:15	1:5000 contact	11.7 ft. " "
1063 to 1070 "	7-1-45	14:45	1:5000 contact	11.7 ft. " "
U.S. Engineer 3V-116 to 123 Incl.	9-26-44	15:30	1:10000contact 1: 8000 ratio	1.65 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 the 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, 12 inch focal length

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

Field Edit by: F. H. Elrod, Prin. Photo. Aid **date:** Oct., 1946

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

NOTE: The U.S. Engineers photographs taken on September 26, 1944 were used to delineate the high-water line of the Willamette River shown on this map manuscript. Theye were taken when the water level in the Willamette River was 1.65 ft. above M.L.W. From these 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:** December, 1945

" " " **checked by:** Washington Office **date:** December, 1945

Control plotted by: Eda H. Bunce **date:** January, 1946

Control checked by: James L. Harris **date:** January, 1946

Radial Plot by: James L. Harris & Fred P. Jeeter **date:** January 23, 1946

Detailed by: Shoreline: Ree H. Barron **date:** February 15, 1946
Interior: Carita Wiebe **date:** August 15, 1946

Reviewed in compilation office by: J. E. Deal **date:** September 9, 1946

Corrections and changes after field edit by: Ree H. Barron **date:** November 12, 1946

Review after changes due to field edit by: J. E. Deal **date:** November 14, 1946

Elevations on Field Edit Sheet checked by: C. Hanavich, Topographic Engineer **date:** October, 1946

STATISTICS (III)

Land Area (Sq. Statute Miles): 6.0

Shoreline (More than 200 meters to opposite shore): 15.0 Statute miles

Shoreline (Less than 200 meters to opposite shore): 0.5 Statute miles

Number of Recoverable Topographic Stations established: 11 (5 nautical land marks, 4 interior landmarks, 2 civil boundary monuments)

Number of Temporary Hydrographic Stations located by radial plot: 30

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:

J. H. Winniford, Photo. Aid	December, 1945
Field Inspection by: J. C. LaJoye, Prin. Photo. Aid	Date: January, 1946
Shoreline Inspection by: J. C. LaJoye, Prin. Photo. Aid	Date: November, 1945
Recovery of Horizontal Control: F. H. Elrod, Prin Photo Aid	Date: September, 1945 November, 1945
Recovery of Vertical Control by: J. H. Winniford, Photo Aid	Date: September , 1945
Investigation of Geographic Names and Civil Boundaries by: L. E. Ervast, Photo. Aid	Date: February, 1946

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Multnomah Co., Oregon

LOCALITY Portland, Ore. (Sellwood Dist.)

SHEET NO. T-8696

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED Aug., 1945 REC'D 9-24-45 10-1-45

PROJECTION ORDERED Nov., 1945 REC'D 12-20-45

Joins T-8688 Ck

Joins T-8695 Ck

Joins T-8697 Ck

Joins T-8702 Ck

CONTROL: B unce

COMPUTED Jeeter VERIFIED Harris

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:

CONTROL Harris, Bunce, Jeeter

AZIMUTHS Letson, Davison

PASS POINTS Bunce, Jeeter Jeeter

TEMPLETS Harris VERIFIED Harris

DATE OF PHOTOS 7-1-45

TIME OF PHOTOS 701 - 704 incl., 10:35 772-776 incl., 12:20

RADIAL PLOT:

PLOTTED BY Harris Jeeter DATE 1-30-46

VERIFIED J. E. Deal DATE 1-31-46

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

COMPILATION:

DETAIL POINTS Elrod DATE 2-1-46

DETAIL BY Elrod DATE 6-2-46

VERIFIED BY Barron DATE 7-19-46

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

Due to scale difference only a visual comparison was made with the U.S.G.S., Oregon City, 15 min. quadrangle. The agreement is good, except for new streets, roads, and other man made features which have been built since the quadrangle was compiled. There are no nautical charts of the area.

REMARKS

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

FORWARDED TO Washington Office DATE November 15, 1946

R. A. Earle
Chief of Party

M-2305-12

Form T-1

DATA RECORD

T- 8696

Quadrangle (II): Portland, Ore. (Sellwood Dist.) (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: 26 Nov. 1946

Reported to Nautical Chart Section: -

Reviewed: 9 May, 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 23 July, 1947

Registered: ~~26 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): ARDENWALD ELEVATED TANK, 1935 r1945

Lat.: 45° 27' 40.124" (1238.7m) **Long.:** 122° 37' 44.872" (974.9m) **Adjusted** X **Unadjusted**

State Plane Coordinates (VI): Oregon - North Zone

X = 1,453,762.62 feet Y = 661,411.40 feet

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.

ch. JHW

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
701 to 704 Incl.	7-1-45	10:35	1:17000 contact 1: 8000 ratio	There are no tidal waters within the limits of this map manuscript.
772 to 776 "	7-1-45	12:20	"	

Tide from (III): None

Mean Range: Spring Range:

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

Field Inspection by: See remarks, page 3 date:

Field Edit by: F. H. Elrod, Prin. Photo. Aid date: October, 1946

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

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

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

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

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

Radial Plot by: James L. Harris & Fred P. Jeeter date: January 30, 1946

Detailed by: Marie B. Elrod date: June 2, 1946

Reviewed in compilation office by: Ree H. Barron date: July 19, 1946

Corrections & changes after field edit by: Marie B. Elrod date: November, 1946

Review after changes due to field edit by: Ree H. Barron date: November, 1946

Elevations on Field Edit Sheet checked by: C. Hanavich, Topo. Engineer date: October, 1946

STATISTICS (III)

Land Area (Sq. Statute Miles): 8.4

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

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

Number of Recoverable Topographic Stations established: 7 (2 interior landmarks, 4 D.L.C. monumented corners and 1 section corner).

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. McArthur, Photo. Aid date: January, 1946
Recovery of Horizontal Control by: F. H. Elrod, Prin. Photo. Aid date: September, 1945
Recovery of Vertical Control by: J. H. Winniford, Photo Aid date: September, 1945
Investigation of Geographic Names and Civil Boundaries by: L. E. Ervast, Photo Aid date: February, 1946

FIELD INSPECTION REPORT

QUADRANGLES T-8695 and T-8696

PROJECT CS-322

1 to 25: Except for the supplemental data listed below under side heading 10, all the information applicable to these side headings is given in the "Field Inspection Report, Project CS-322, Area of the Second Radial Plot". This report was enclosed with the Descriptive Report for Quadrangles T-8674 and T-8675, which has been submitted.

10: Details Offshore from the High-Water Line:

The investigation of dolphins and piling used for the mooring of log booms and floating boathouses, which was not fully completed by the field inspector during the shoreline inspection operations, will be completed during the field edit of this sheet. It is to be noted that the majority of these dolphins in this section of the Willamette River are adjacent to the shoreline and that they cannot be considered as permanent structures as it is frequently necessary to replace those that are washed out or destroyed by frequent collisions with log booms and other debris during the annual freshets.

Approved by:

R. A. Earle
Chief of Party

Respectfully submitted:

Charles Hanavich
Topo. Engineer

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 probable 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 Photogramet. General File
5.	Recoverable Topographic stations (form 584)	Div. of Photogramet. 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-8695 and T-8696

PROJECT CS-322

26. Control:

At the time this project was started there were thirty-two existing horizontal control stations in the area of these two map manuscripts. Twenty-seven were recovered and ten of these were identified for use in the radial plot.

In accordance with the Director's letter, 60 BJF, dated 3 December, 1945, the following horizontal control stations were established in the area of T-8696, on the campus of Reed College:

REED, 1946
REED EAST BASE, 1946
REED WEST BASE, 1946

As these three stations were not needed to control the photographs during the running of the radial plot they were withheld by the field unit for plotting after the field edit was completed.

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 Second Radial Plot". This report is included with the descriptive report for map manuscripts numbers T-8674 and T-8675, which was forwarded on 11 October, 1946.
→ 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 Second 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, Second Radial Plot, Project CS-322". This radial plot report was included with the descriptive report for map manuscripts numbered T-8674 and T-8675, which was submitted to the Washington Office on 22 October, 1946.
→ 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. Engineer 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 maps or plans, which will be forwarded with the map manuscripts, were used to supplement the photographs:

Filed with Descr. Rep't.

Campus Plan for Lewis & Clarke, College Scale: 1" = 240' (approx.)
Reed College, Building Location Sketch Scale: Unknown
Veterans Administration Hospital, Building Location Plan
Scale: 1" = 110' (approx.)
Station Plat of Brooklyn, Southern Pacific Co., Portland Division
Scale: 1" = 100' Filed with map manuscript T-8896

The following maps or plans which were also used were forwarded to the Washington Office on 7 November, 1946, with the special report "Investigation of Boundary Monuments and Lines, Area of the Second Radial Plot": Filed in Div. Photogram General Files under "Special Reports."

Multnomah County Assessors Office Sheets No'd. 28, 29, 31, and 32 of a set of 74 sheets, Scale: 1" = 600' Filed in CS-322 Project File

Map of the City of Portland, Scale: 1" = 1500' (approx.) Project File

30. Mean High-Water Line:

There are no high-water lines within the area of Map Manuscripts No. T-8696. The Willamette River runs through sheet T-8695.

All of the high-water line was detailed from information submitted by the field parties, 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 1:10000 on September 26, 1944, when the water level of the Willamette River was 1.65 ft. above mean low-water. The field inspector's interpretation of the high-water line was verified by steroscopic examination of the photographs before detailing was attempted.

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

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

31. Low-Water and Shoal Lines:

The field inspection unit indicated a definite low-water line at several places along the shorelines of the Willamette River. This low-water line has been shown by a light-weight dash and dot black acid ink line and appropriately noted. Shoal areas have been shown enclosed within a black dotted line as indicated by the field units.

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

Several small islands are the only details offshore from the Mean High-Water Line.

33. Wharves and Shoreline Structures:

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

34. Landmarks and Aids to Navigation:

Forms 567 are being submitted for the following:

Recommended for charting as new nautical landmarks:

STACK, (Lone black stack, Jones Lumber Co.), 1946
WEST TANK, (W. of 2 at Golf Junction Station) 1946
RADIO MAST (W. of 2 radio masts at "The Oaks") 1946

Recommended for retention as nautical landmarks:

TOWER (E. of 3 trans. towers) 1945
TOWER (Tri. Sta. PORTLAND, ROSS ISLAND, APEX OF POWER LINE TOWER) 1938
TOWER (W. of 3 trans. towers) 1945
TANK (Tri. Sta. PORTLAND E. SIDE MILL & LUMBER CO. & OREGON DOOR CO. TANK) 1938
RADIO MAST, EAST (Tri. Sta. RADIO STATION KWJJ MAST) 1938
N. STACK (Tri. Sta. PORTLAND, MULTNOMAH LUMBER & BOX CO. MORE NORTHERLY OF 2) 1938

There are no fixed aids to navigation in this part of the Willamette River.

35. Hydrographic Control:

Twenty-seven objects were located radially, and three by sextant fixes, 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 and a short description is lettered nearby. This office compiled the shoreline and adjacent detail on map manuscript No. T-8695 in February 1946 and furnished the ship "Westdahl" with black and white prints, Scale 1:5000.

36. Landing Fields and Aeronautical Aids:

There are no landing fields or aeronautical aids within the limits of these two map manuscripts.

37. Geographic Names:

Only undisputed geographic names are shown on the map manuscripts.

Geographic Names are the subject of the special report, "Investigation of Geographic Names, Project CS-322, Area of the Second Radial Plot", which was submitted to the Washington Office on October 22, 1946. 814
→ Filed in Geographic Names Section, Div. of Charts.

38. Recoverable Topographic Stations:

Copies of Forms 524 are being submitted for the following:

In the area of Map Manuscript No. T-8695

BOLT, 1945
JUB, 1945 stack
OLD, 1945 Tank
RIP, 1945 W. Gable
RADIO MAST (WEST), 1946
TOWER (West of 3 towers), 1945
TOWER (East of 3 towers), 1945
WEST TOWER (Transmission), 1946
EAST TOWER (Transmission), 1946

T-8695
34 recovered
23 plotted

T-8696
19 recovered
15 plotted

PORTLAND CITY BOUNDARY (S.W. corner), 1946
PORTLAND CITY BOUNDARY (South limits), 1946

In the area of Map Manuscript No. T-8696:

S.E. corner A. Kelly D.L.C., 1946
S.E. corner H. Kelly D.L.C., 1946
S.W. corner J.E. Witten D.L.C., 1946
S.W. corner Clinton Kelly D.L.C., 1946
T1S R 1 & 2E, section corner 13, 18, 19, & 24, 1946
KOHM RADIO MAST (Oregon State Police), 1946
STANDPIPE, MILWAUKIE WATER CO., 1946

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscripts No's T-8695 and T-8696, and with adjoining map manuscripts.

40. Bench Marks:

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

41. Donation Land Claims and Section Lines:

Filed with map manuscript

Donation land claims and section lines were located on an ozalid print of the map manuscript No. T-8695 after the initial compilation had been completed. These lines, with pertinent explanatory notes, were placed on the print in red and purple ink respectively, by the field party; and were then traced on the map manuscript by the compiler. The ozalid print containing these lines is being forwarded. Donation land claim lines and section lines shown on map manuscript No. T-8696 were detailed as shown on the contact photographs by the field inspection unit.

44. Comparison with Existing Topographic Surveys:

See record sheet which accompanies each map manuscript.

45. Comparison with Nautical Charts:

See record sheet which accompanies each map manuscript.

Approved and forwarded:

Robert A. Earle
Chief of Party

Respectfully submitted:
November 13, 1946

J. Edward Deal Jr.
J. Edward Deal, Jr.
Photogrammetric Engineer

FIELD EDIT REPORT
T-8695 and T-8696
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 ommissions or drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by notes. If there seemed to be a discrepancy in the drafting of roads or streets, field measurements were taken and indicated on the field edit prints. The additional names and numbers of streets which were indicated on the prints were obtained and verified from official street signs.

In T-8696, Lambert Park is misspelled; the correct name and the name by which it is locally known is Lambert Gardens. It is privately owned and it is a prominent cultural feature since it is well known for its floral displays.

In T-8695, all the offshore and shoreline features were checked. Newly constructed dolphins, piling, buildings and other changes were noted by the field editor. The field inspection of many dolphins and piling areas which were omitted during the field inspection in this area, were inspected during the field edit and cross referenced between the field photographs and the field edit print and supplemented by pertinent notes. Other minor changes and omissions in this quadrangle and in T-8696 were noted and corrected.

It is believed that all cable crossings or pipeline and cable areas have been indicated. The vertical clearances of all overhead cable crossings have been noted.

The vertical and horizontal clearance of Sellwood Bridge was found to be in agreement with the U.S. Coast Pilot - Pacific Coast (sixth edition, 1942).

Wells Field (private airport) was located by plane table methods on a field photograph and falls in T-8696.

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. H. G. Richardson, City Surveyor, Portland. The geographic names in this area have been reviewed by Mr. Lewis A. McArthur, Collaborator for the U.S. Coast and Geodetic Survey.

48. Accuracy Tests:

No horizontal accuracy tests were run in this area; however, for map accuracy tests adjacent to the area of these map manuscripts refer to the field edit reports for T-8687, T-8688, and T-8689.

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

49. Bench Mark Elevations:

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

50. Donation Land Claims and Section Lines:

In T-8695, 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. This additional ozalid print will be submitted with the field sheet. In T-8696, this phase of the work has been indicated on field photographs.

51. Geographic Names:

Refer to the addendum in the "Special Report on Geographic Names, Project CS-322, Area of the Second Radial Plot", for information on the following grographic names:

EAST MORELAND, WEST MORELAND, WOODSTOCK, PORTLAND ELECTRIC POWER COMPANY

Field Edit reviewed by:

Charles Hanavich
Charles Hanavich
Topo. Engineer

Approved by:

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

Field Edit by:

F. H. Elrod
F. H. Elrod
Prin. Photo.
Aid

T-8695 and T-8696

Both sheets: (all names typed in approved form: when necessary, names of churches, schools, business establishments, etc, have been checked in the Portland City Directory and Telephone Guide):

- Oregon
- Multnomah County
- Clackamas County
- Portland
- Southern Pacific
- Portland Traction Company
- Sellwood
- Sellwood Community House T-8695
- Sellwood Methodist Church "
- Brooklyn School ——————— only T-8696
- St. Agatha Catholic Church T-8695

T-8695:

- Willamette River

East side of river:

- Waverly ~~Golf and~~ Country Club (Tel. Dire. lists only as Waverly Country Club)
- U.S. Forest Service
- U.S. Dept. of Agriculture Repair Shops
- Portland Rowing Club LINN MOORAGE
- Portland General Hospital Association
- Fire Station Engine No. 20 (uniform with other quads of area)
- Sellwood Branch P.O.
- Sellwood Methodist Church
- Sellwood Theater
- Bank of Sellwood
- Sellwood Baptist Church
- Sellwood Christian Church
- Sellwood Branch Library
- East Side Mill & Lumber Company
- Oregon Door Company
- Sellwood Park
- Portland Crematorium and Mausoleum
- The Oaks Amusement Park
- The Oaks R.R. Sta.
- Oregon Yacht Club
- Radio Sta. KWJJ
- Llewellyn School
- Hardtack Island
- Ross Island
- Ross Island Sand & Gravel Company

T-8695 (continued):

Sacred Heart Catholic Church
Sacred Heart Catholic School
Jehovahs Witnesses Church

west side of river:

Commercial Iron Works
Oregon No. 43
Oregon No. 10 Beaverton Hillsdale Highway (questionable if this name applies except west of Hillsdale)
SW Capitol Highway
U.S. No. 99 W
Fourth Presbyterian Church
Fire Station Engine No. 5
Doernbecher Hospital (spelling checked with phone book, etc
Sam Jackson Park (check quad to north)
U.S. Veterans Administration Hospital
Council Crest
Berean Assembly of God Church
Multnomah Lumber & Box Co.
Zoss Ladder & Manufacturing Co.
U.S. Soil Conservation Service
B.P. Johnson Furniture Corporation
Richardson Court (apts)
Rasmussen Village "
Jones Lumber Company
Portland Concrete Pipe and Products Company
Fire Station Engine No. 10
Radio Sta. KXFM
Hillsdale
Hillsdale P.O.
Industrial Iron Works
Terwilliger School
Trinity Presbyterian Church
Portland Shipbuilding Company
Fulton
G.W. Himes Park
Carson Heights
Riverview Cemetery
Riverview Abbey and Mausoleum
Masonic Cemetery
I.O.O.F. Cemetery Jesse V. Boone Hist. Mon.
Beth Israel Cemetery
SW Taylors Ferry Road
SW Boones Ferry Road
Capitol Hill Community Methodist Church
St. Clair Catholic School (in City Dir. it is St. Clare: this spelling to be preferred)
Capitol Hill (town)
Capitol Hill Community Club
Ahavai Sholom Cemetery
Collins View Evangelical Church

T-8695 (continued):

✓ Collins View School
✓ SW Lancaster Road
✓ SW Palatine Hill Road and Palatine Hill
✓ Palatine Hill
✓ SW Barbur Boulevard
✓ SW Terwilliger Boulevard
✓ Lewis and Clark College
✓ Powers Marine Park
✓ Tryon Creek

T-8696:

✓ Milwaukie (partly on this sheet)
✓ Kellogg Park (district)
~~Bible Broadcasting Association Campmeeting Ground~~ name with 8702
✓ U.S. 99 E SE McLoughlin Boulevard
✓ Waverly Heights
~~Waverly Heights Golf Course~~ (apparently separate from Waverly Country Club on eastward on T-8695) ok
✓ Milwaukie Cemetery
(~~Kelly~~ Kellogg Park Chapel) ✓ No check on this name in other sources: should it be Kellogg Park?
✓ Rockwood Forge, Inc.
✓ Radio Station KOHM
✓ Oregon State Highway Dept. and State Police
✓ Johnson Creek
✓ Garthwick ← Johnson Creek Park
✓ Ardenwald
✓ Ardenwald School
✓ Ardenwald Congregational Church
✓ Stanley R.R. Sta.
✓ Errol Heights Community Church
✓ Joseph Lane School
✓ Church of God
✓ Duniway School
✓ Holy Family Church
✓ Oregon Worsted Company
✓ Foundation Worsted Mills
✓ East-Moreland one word
✓ West-Moreland "
✓ Westmoreland Park
✓ Eastmoreland Municipal Golf Links (used in several sources)
✓ Sellwood School
✓ St. Johns Evangelical and Reform Church (unable to get a check on the full form of this name)

T-8686 (continued):

Sellwood Church of Jesus Christ of the Latter Day Saints
Sellwood Church of the Nazarene
St. Agatha Catholic School (church of same name on both sheets)
Immanuel Evangelical Lutheran Church
Moreland Presbyterian Church
Sellwood Lodge A.F.A.M. No. 131
Crystal Springs Lake
Reed College
Anna Mann Cottage
Brooklyn R.R. Sta.
Episcopal Church
Fire Station Engine No. 11
Woodstock Methodist Church
Apostolic Faith Campmeeting Ground
Our Lady of Sorrows Catholic Church and School
Woodstock
Woodstock School
Woodstock Park
Lambert Gardens (private)
Southern Pacific Brooklyn Yard
Portland Casket Company
Portland Door Company
Portland Wire & Iron Works
Iron Fireman Manufacturing Company
Crawford & Doherty Foundry Company
Portland General Electric Company
King Bros., Inc.
Oregon No. 50 SE Powell Boulevard
Clinton Kelly High School (not listed in late phone guide)
Clinton Kelly Athletic Field
Childrens Home
Libby, McNeil & Libby Company
Powell Park
Grand Rapids Store Equipment Company
Oregon Culvert & Pipe Company
Fowler Manufacturing Company
Northwest Foundry and Furnace Company
Guenther Organ Company
I.O.O.F Home for Aged
Daniel A. Grout School (middle initial is A in both Phone and City Directories)

Kenilworth Park
Fire Station Engine No. 25
Kenilworth Presbyterian Church
Clinton Kelly Methodist Church
Creston Park
Creston School Grounds
St. Ignatius Catholic Sxhool
SW Foster Road
SE

L. Heck 5/14/47.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project CS-322 T-8695

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Portland, Oregon October 7, 1946

I recommend that the following objects which have ~~been~~ 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. E. Deal

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

STATE OREGON (WILLAMETTE RIVER)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
STACK	Lone Black Stack Jones Lumber Co. West side Willamette River	JUB 1945	45 29	(1600.5) 251.8	122 40	(808.8) 494.3	N.A. 1927	Radial Plot	11-15-45		X		6155
WEST TANK	Westerly of twin wooden tanks at Golf Junction Station	OID 1945	45 27	(906.4) 945.9	122 39	(257.2 1046.4	N.A. 1927	Radial Plot	11-20-45		X		South of 6155
RADIO MAST (W)	West of 2 masts located on east side of Willamette River at The Oaks Amusement Park	RADIO MAST (W)	45 28	(995.0) 857.3	122 39	(485.9) 818.4	N.A. 1927	Radial Plot	October 1946		X		6155
	TO BE RETAINED AS NAUTICAL LANDMARKS:												
TOWER	East of three transmission towers	TOWER 1945	45 29	(399.7) 1452.6	122 39	(617.7) 685.1	N.A. 1927	Radial Plot	11-13-45		X		6155
TOWER	Portland, Ross Island Apex of Power Line Tower, 1938	TOWER 1945	45 29	(278.1) 1574.3	122 39	(317.9) 984.9	N.A. 1927	Triangulation	1938		X		6155
TOWER	West of three transmission towers	TOWER 1945	45 29	(146.3) 1706.0	122 39	(1.0) 1301.7	N.A. 1927	Radial Plot	11-13-45		X		6155
TANK	Portland E. side Mill & Lumber Co. & Oregon Door Co., Tank, 1938	JAR 1945	45 27	(184.3) 1668.0	122 39	(512.0) 791.4	N.A. 1927	Triangulation	1938		X		6155
RADIO MAST (E)	Radio Station KWJJ Mast, 1938 Charted Name R. Tr.	RADIO MAST (E)	45 28	(1050.7) 801.6	122 39	(564.8) 738.5	N.A. 1927	Triangulation	1938		X		6155
N. STACK	Portland, Multnomah Lumbr. & Box Co., Northerly of 2 Stacks, 1938	N. STACK 1945	45 29	(849.6) 1002.8	122 40	(1128.2) 174.6	N.A. 1927	Triangulation	1938		X		6155

Lanea & L. 784 (1947) JDW 3/5/48 Cannot find copy of this chart letter to file as 788 12-15-47

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS Project CS-322 T-8695

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

Portland, Oregon October 7, 1945

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.E. Deal.

COPY.

R.A. Earle
Chief of Party.

STATE Oregon (Willamette River)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Stack	Lone Black Stack Jones Lumber Co West side Willamette River	JUB 1945	45 29	(1600·5) 251·8	122 40	(808·8) 494·3	N.A. 1927	Radial Plot	11-15-45		X		6155
West Tank	Westerly of twin wooden tanks at Golf Junction Station	OLD 1945	45 27	(906·4) 945·9	122 39	(257·2) 1046·4	"	"	11-20-45		X		South of 6155
Radio Mast (West)	West of 2 masts located on east side of Willamette River at The Oaks Amusement Park	RADIO MAST(W)	45 28	(995·0) 857·3	122 39	(485·9) 818·4	"	"	Oct. 1946		X		6155
	TO BE RETAINED AS NAUTICAL	LANDMARKS											
Tower	East of three transmission towers	TOWER 1945	45 29	(399·7) 1452·6	122 39	(617·7) 685·1	"	"	11-13-45		X		6155
Tower	Portland, Ross Island, Apex of Power Line Tower, 1938	TOWER 1945	45 29	(278·1) 1574·3	122 39	(317·9) 984·9	"	Triangulation	1938		X		6155
Tower	West of three transmission towers	TOWER 1945	45 29	(146·3) 1706·0	122 39	(1·0) 1301·7	"	Radial Plot	11-13-45		X		6155
Tank	Portland, E. side Mill & Lumber Co, and Oregon Door Co, Tank, 1938	JAR 1945	45 27	(1843) 1668·0	122 39	(512·0) 791·4	"	Triangulation	1938		X		6155
Radio Mast (E)	Radio Station KWJJ Mast, 1938 Charted Name R. Tr.	RADIO MAST(E)	45 28	(1050·7) 801·6	122 39	(564·8) 738·5	"	"	"		X		6155
N. Stack	Portland, Multnomah Lumber & Box Co, Northerly of 2 stacks, 1938	N. STACK 1945	45 29	(849·6) 1002·8	122 40	(1128·2) 174·6	"	"			X		6155

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

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript No. T-8695

Paragraph numbers used in this report refer to paragraph numbers in the descriptive report.

39. Junctions.

Junctions with adjoining manuscripts were in good agreement. However, the classification of roads had not, in all cases, been brought into agreement.

The roads had been given a higher class value on T-8695 than on the adjoining manuscripts. The reviewer did not change any road classification except where necessary to bring the manuscript into agreement with an adjoining manuscript.

41. Donation Land Claims and Section Lines.

There were no changes made to the boundaries of the donation land claims. The lengths and courses checked very closely with the G.L.O. plats and assessment maps.

The positions of the section corners and section lines were not changed. The portions of section lines crossing the Willamette River in the vicinity of Ross Island were removed from the manuscript to agree with the G.L.O. plat.

44. Comparison with Existing Topographic Surveys.

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

The more recent U.S.E. quadrangle is in good agreement with the map manuscript. Refer to Record Sheet for T-8696 for additional information.

44a. Comparison with Previous Surveys by the Bureau.

T-6619b	(insert)	1:10,000	1938
H-6335	(insert)	1:10,000	1939

Refer to Record Sheet of T-8695 descriptive report for comparisons with T-6619b (insert).

45. Comparison with Nautical Charts.

Chart No. 6155, 1:20,000, latest print date 3/17/47

Refer to Record Sheet of T-8695 descriptive report for comparisons with chart No. 6155.

This map manuscript has not been applied to nautical charts.

Reviewed by:

K. N. Maki 5/19/47
Photogrammetrist

Reviewed under direction of:

S. V. Griffith
Chief, Review Section

APPROVED BY:

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

Chief, Nautical Chart Br.
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript No. T-8696

Paragraph numbers used in this report refer to paragraph numbers in the descriptive report.

28. Detailing.

A few roads were omitted and some slight changes to woodland delineation were necessary. Several changes were made to woodland type on the junction with T-8702 in order to bring the two manuscripts into agreement.

41. Donation Land Claims and Section Lines.

The south boundary of the Edward Long D.L.C. was completed by closing the gap in the hiatus between the Alfred Llewelyn and Archon Kelly D.L.C.'s.

The Henry Miller and L. Litch D.L.C.'s were not shown on the manuscript. A further check on the existence of these D.L.C.'s should be made before their addition to the manuscript. They have been spotted approximately on an ozalid print for verification by the Portland Office.

Portland Office notes on ozalid print says not to be retained

44. Comparison with Existing Topographic Surveys.

Oregon City, Oreg., USGS, 1:62,500, 1911-12
" " " USE " 1938-39

The more recent U.S.E. quadrangle is in good agreement with the map manuscript. Refer to Record Sheet of descriptive report T-8696 for additional information.

45. Comparison with Nautical Charts.

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

Reviewed by:

K. N. Maki

K. N. Maki 5/9/47
Photogrammetrist

Reviewed under direction of:

S. V. Griffith

S. V. Griffith
Chief, Review Section

APPROVED BY:

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

Chief, Nautical Chart Br.
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

Chief, Div. of Coastal
Surveys

71 Earle
71
78

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:

28 May 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-8696

Reference: Your Letter, 78-RCR, dated 23 May 1947

In reply to the above reference, the completion of the south line of the Edward Long Donation Land Claim and the westerly movement of the boundary line, between the Clinton Kelly and the Hampton Kelly Donation Land Claims, has been verified by this office. While we agree that this latter movement would better show the position of this line, this latter case illustrates the ambiguity of so much of this land line data. Ervast was not incorrect in placing the line where he did, in that equal amounts of land were supposedly donated by both of the Kellys for the road which is now 42nd. Avenue. Bearing this in mind, one would naturally think that the original claim went down the centerline of this street.

The L. Litch and Henry Miller Land Claim, which you indicated on the ozalid prints in red crayon, are not original Donation Land Claims. They should not be shown on the published maps.

R. A. Earle
Chief of Party

RAE/gw

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8695
T 8696

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/5/48	6171	J J 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
			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.