8687
8688

Diag'd. on diag. ch. No. 6154 & 6146

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. T-8687 Office No. T-8688

Horiz. Acc'y Test.

8687
8688

LOCALITY

State Oregon

General locality Multnomah County, Oregon

Locality Portland, Oregon

(Business and Laurelhurst districts)

1946

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE February 9, 1948

B-1870-1 (1)

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Portland, Oregon

LOCALITY Willamette River

SHEET NO. 8687

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED August 1945 REC'D 8-17-45/ 10-1-45 11-1-45

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

Joins T-8680 Ck

Joins T-8686 Ck

Joins T-8688 Ck

Joins T-8695 Ck

CONTROL:
COMPUTED Harris VERIFIED Bunce

PLOTTED Bunce VERIFIED Jeeter

PHOTO PREPARATION:
CONTROL Harris, Bunce, Jeeter

AZIMUTHS Jetson Davison

PASS POINTS Jeeter Bunce Davison

TEMPLETS Bunce VERIFIED Harris

DATE OF PHOTOS See reverse side

RADIAL PLOT:
PLOTTED BY Jeeter, Harris DATE 1-30-46

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

TIME OF PHOTOS " "

COMPILATION: Jeeter 1-31-to 2-15-46
DETAIL POINTS Davison DATE 4-1 to 4-3-46
Shoreline, Jeeter 1-15 to 1-19-46
DETAIL BY Int., Davison DATE 4-24 to 8-27-46

VERIFIED BY Barron DATE 9-4-46

STAGE OF TIDE " "

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

Due to scale difference only a visual comparison was made with the U.S.G.S. Portland, Ore. - Wash., 15' quadrangle, Scale: 1:62500 . Planimetry common to the quadrangle and map manuscript is in good agreement.

Comparison was made with Nautical Chart No. 6155, Scale: 1:20,000 by use of the vertical projector. In general the bridges, wharves, piers, docks, etc.,

(see reverse side)

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 5, 1946

R. A. Earle
Chief of Party

M-2305-12

ca 9/49

COMPARISONS (continued)

common to the map manuscript and chart are in fair agreement. Many changes have occured along the shoreline since the chart was made. Along the northeast shoreline of the Willamette River between Lat. 45° 31' 45" and Lat. 45° 32'15", the high-water line of the chart and map manuscript are not in agreement. The chart also differs with Topographic Survey No. 6619a of 1938, 1939, in this area.

Comparison was made with Topographic Surveys No. 6619a and No. 6619b of 1938, 1939, by use of prints of the topographic surveys on clear acetate, Scale: 1:8000 furnished by the Washington Office. Planimetry common to the two topographic surveys and the map manuscript is in very good agreement.

PHOTOGRAPH DATA

Photo. No.	Date	Time	Scale	Stage of Tide
			1:8000ratio	
562 to 565 Inc.	6-30-45	13:30	1:17000 contact	11.9 ft above M.L.W.
813 to 816 "	7-1-45	12:50	1:8000 ratio	11.7 " "
			1:17000 contact	
959 to 966 "	7-1-45	14:15	1:5000 "	11.7 " "
1073 to 1085 "	7-1-45	14:55	" "	11.7 " "
1254 to 1258 "	7-2-45	12:45	" "	11.0 " "
U.S. Engineer				
103 V -61 to 166 incl.				
95 and 96, 123 and 124	9-26-44	15:30	1:8000 ratio	1.65 " "

Form T-1

DATA RECORD

T- 8687

Quadrangle (II): Portland, Oregon (Willamette River) 3 minutes **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. of Photogram. Office Files

Completed survey received in office: 12 Nov. 1946

Reported to Nautical Chart Section: -

Reviewed: 1/8/47 **Applied to chart No.** **Date:**

Redrafting Completed: 3 April, 1947

Registered: ~~26 Nov~~ PCC 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): PORTLAND, UNION DEPOT CLOCK TOWER, (U.S.E.), 1906 r 1935,1945

Lat.: 45° 31' 44.630"(1377.9M) **Long.:** 122° 40' 31.484"(683.2m) **Adjusted** X **Unadjusted**

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	
562 to 565 Incl.	6-30-45	13:30	1:8000 ratio	11.9 ft above M.L.W. *
813 to 816 "	7-1-45	12:50	"	11.7 " "
959 to 966 "	7-1-45	14:15	1:5000 contact	11.7 " "
1073 to 1085 "	7-1-45	14:55	"	11.7 " "
1254 to 1258	7-2-45	12:45	"	11.0 " "
U.S. Engineers				
103 V-61 to 166 Inc.				
95 & 96, 123 & 124	9-26-44	15:30	1:8000 ratio	1.65 " "

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 the map manuscripts. They 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 Bunce **date:** January, 1946

Control checked by: Fred P. Jeeter **date:** January, 1946

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

Detailed by: Fred P. Jeeter, Shoreline
Mary Davison, Interior **date:** August 27, 1946

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

Corrections and changes after field edit by: R.H. Barron Date: Oct. 31, 1946

Review after changes due to field edit by: J.E. Deal Date: Nov. 1, 1946

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

STATISTICS (III)

Land Area (Sq. Statute Miles): 7.0

Shoreline (More than 200 meters to opposite shore): 9.5 statute miles

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

Number of Recoverable Topographic Stations established: 5 (2 interior land marks, 1 nautical landmark and 2 section corners).

Number of Temporary Hydrographic Stations located by radial plot: 67

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: F.H. Elrod, Prin. Photo. Aid	Date: Feb., 1946
Shoreline Inspection By: F.H. Elrod, Prin Photo. Aid	Date: Feb., 1946
Recovery of Horizontal Control: F. H. Elrod, Prin. Photo. Aid	Date: Aug.Sept.1946
Recovery of Vertical Control: J.W. Winniford, Photo. Aid	Date:Sept., 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 Portland, Oregon

LOCALITY Laurelhurst District

SHEET NO. T-8688

PROJECT NO. CS-322

SCALE 1:8000

PHOTOS ORDERED July, 1945 REC'D Sept.24, 1945 Oct. 1, 1945

PROJECTION ORDERED Nov. 1945 REC'D 1-4-46

Joins T-8681 Ck

Joins T-8687 Ck

Joins T-8689 Ck

Joins T-8696 Ck

CONTROL:
COMPUTED Harris VERIFIED Bunce Jeeter
PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce, Harris, Jeeter

AZIMUTHS Salger Pomroy

PASS POINTS Harris Jeeter Bunce

TEMPLETS Bunce, Harris VERIFIED Jeeter, Harris

DATE OF PHOTOS 7-1-45

TIME OF PHOTOS 697-700---10:35
769-772----12:20

RADIAL PLOT:
PLOTTED BY Harris, Jeeter DATE 1-30-46

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

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

COMPILATION:
DETAIL POINTS Bunce DATE Feb. 5, 1946

DETAIL BY Turner DATE June 21, 1946

VERIFIED BY Barron DATE July 19, 1946

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

Due to scale difference only a visual comparison was made with the Portland, Oregon - Washington, U.S.G.S. 15 minute quadrangle, Scale: 1:62500. Planimetry, common to the map manuscript and the quadrangle is in good agreement.

There are no Nautical Charts covering the area of this map manuscript.

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 5, 1946

R. A. Earle
Chief of Party

M-2305-12

Form T-1

DATA RECORD

T- 8688

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

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

Compilation Office: Portland, Oregon **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: 12 Nov. 1946

Reported to Nautical Chart Section: -

Reviewed: 10 Dec. 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 19 May, 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): PORTLAND, ST. STEPHENS CHURCH BELFRY, 1935

Lat.: 45° 30' 52.619"(1624.5M) **Long.:** 122° 37' 07.310"(158.7m) **Adjusted** X **Unadjusted**

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
697 to 700 Inc.	7-1-45	10:35	1:8000 ratio 1:17000 contact	There are no tidal waters within the limits of this map manuscript.
769 to 722 Inc.	7-1-45	12:20	1:8000 ratio 1:17000 contact	

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: John C. LaJoye, 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 Bunce **date:** January, 1946

Control checked by: Fred P. Jeeter **date:** January, 1946

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

Detailed by: Albert C. Turner, Jr. **date:** June, 21 1946

Reviewed in compilation office by: Roy Davidson **date:** July, 19, 1946
Corrections and changes after field edit by: A. C. Turner Date: Oct.29, 1946
Review after changes due to field edit by: J.E. Deal Date: Oct.30, 1946
Elevations on Field Edit Sheet
checked by: Charles 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: 14 (All section corners and donation land claim monuments).

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: J.H. Winniford, Photo, Aid — Date: Dec., 1945
Recovery of Horizontal Control By: F.H. Elrod, Prin. Photo. Aid — Date: Aug., 1945
Recovery of Vertical Control: J. H. Winniford — Date: Sept., 1945
Investigation of Geographic Names and Civil Boundaries By: L. E. Ervast, Photo Aid — Date:Feb.March,1946

FIELD INSPECTION REPORT

QUADRANGLES T-8687 and T-8688

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 Second Radial Plot", which was enclosed with the "Descriptive Report for Quadrangles T-8674 and T-8675". This Descriptive Report has been submitted. Side heading numbered 13, discussed in the above mentioned field inspection report, is not applicable to Quadrangles T-8687 and T-8688.

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 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-8687 and T-8688

PROJECT CS-322

26. Control:

At the time this project was started there were one hundred and fifteen existing horizontal control stations in the area of these two map manuscripts. Eighty were recovered and twenty-five of these were identified for use in the radial plot.

One new triangulation station was established in the north central part of T-8688 namely: BEAUMONT SCHOOL STACK, 1946. This station was helpful in rigidly fixing the photographs in that area.

Due to the large number of horizontal control stations in the area of Map Manuscript No. T-8687, and to the density of the street system, public buildings, and numerous notes pertaining thereto, only the identified horizontal control stations are shown on the map manuscript. The geographic positions of the recovered but not identified horizontal control stations are plotted on an overlay on acetate with the names of the stations tabulated and attached thereto. In the area of Map Manuscript No. T-8688 all recovered horizontal control stations are plotted directly on the map manuscript.

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 October 11, 1946.

Filed in Div. of Photogram. General Files under "Special Reports."

The one new triangulation station established in this area is listed in a tabulation 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

Your attention is called to a letter to the Director, dated October 17, 1946, on "Erroneous Listing of Intersection Station, PORTLAND, OLDS, WORTMAN & KING DEPARTMENT STORE, BLACK IRON STACK, 1916, r1942".

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 numbers T-8674 and T-8675, which was submitted to the Washington Office on October 22, 1946.

Filed in Div. of Photogrammetry 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.

The names of public buildings in the area of Map Manuscript No. T-8687 have been tabulated in the right hand margin.

29. Supplemental Data:

The following maps or plans, which will be forwarded with the map manuscripts, were used to supplement the photographs:

Blue print, Layout plans, Albina Eng. & Mach. Works, Inc. Scale: 1" = 50'

Black line print, Southern Pacific Co. Station plan, East Portland, Powell St. to 3rd. Ave. Scale: 1" = 100'

Black line print, Station map, Spokane, Portland & Seattle Ry., Portland Terminals (on two prints) Scale: 1" = 100'

Black line print, West Side Harbor Survey, N.W. 19th Ave. to N.W. Nicolai St. Scale: 1" = 50'

Filed with map. mss. 8687

Black line print, West Side Harbor Survey, N.W. 14th St. to N.W. 20th St. Scale: 1" = 50'

Black line print, Station plan, Southern Pacific Co., East Portland, Powell St. to Market St. Scale: 1" = 100'

Filed with smear sheet 8687

The following maps and plans which were also used, will be forwarded when map manuscripts adjacent to T-8687 and T-8688 are corrected after field edit:

Black line print, Northern Pacific Ry., operated by S.P. & S. Ry. Co., Terminals Div., Scale: 1" = 400'

Blue print, Willamette Iron & Steel Corp. Scale: 1" = 60'

Black line print, Yard, Northern Pacific Terminal of Oregon, Scale: 1" = 200'

Black line print, Union Pacific R.R. Yards, Scale: Unknown

Blue line print, Map of the City of Portland, Scale 1"= 1500'

Blue line prints, Sheets 20, 21, 27, 28, 32, and 33 of a set of 74 sheets published by the Multnomah County Assessor's Office Scale 1" = 600 '

Proj. CS-322 file

30. Mean High-Water Line:

There are no high-water lines within the area of Map Manuscript No. T-8688. That portion of the Willamette River which is used for the main harbor of Portland, Oregon, falls within the area of Map Manuscript No. T-8687.

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 Sept. 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 feet 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. The field inspection unit did not indicate any shoal areas.

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

There are no offshore details in the Willamette River within the area of Map Manuscript No. T-8687.

33. Wharves and Shoreline Structures:

Six of the principal bridges which span the Willamette River and over which most of the traffic connecting the East and West sides of Portland, Oregon, flows, have been shown. There are many piers, wharves, dolphins, old piling areas, etc. in this part of the Willamette River.

34. Landmarks and Aids to Navigation:

Forms 567 are being submitted for the following:

Recommended for charting as new nautical landmarks: T-8687

MAST (Old Battleship Oregon), 1946, Historical Monument
STACK (Tri. Sta. PORTLAND, GENERAL ELECTRIC CO. (Concrete Stack), 1938)
TANK (Tri. Sta. PORTLAND, STETTLER CO. TANK, 1935)

Recommended for retention as nautical landmarks: T-8687

STACK (Tri. Sta. PORTLAND RY. LIGHT & POWER CO. STACK, 1935)
STACK (Tri. Sta. PORTLAND, U.P.R.R. CO. STACK, 1935)
TANK (Tri. Sta. PORTLAND, CROWN MILLS, BLUE TANK, 1935)
TANK (Tri. Sta. PORTLAND, U.P.R.R. CO. WHITE TANK, 1935)
CLOCK TOWER (Tri. Sta. PORTLAND, UNION DEPOT CLOCK TOWER, U.S.E., 1906)

Forms 567 are being submitted recommending the deletion as a nautical landmark of "TANK" (Tri. Sta. PORTLAND, TERMINAL NO. 1, ELEV. TANK, 1935, which will be torn down in the near future. T-8687

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

35. Hydrographic Control:

Sixty-seven objects were located radially, 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 furnished the vessel "Westdahl" with black and white prints, Scale: 1:5000, of the shoreline and adjacent detail, and with typewritten lists of the descriptions of the temporary hydrographic stations.

36. Landing Fields and Aeronautical Aids:

There are no Landing Fields or Aeronautical Aids within the limits of these two map manuscripts.

⊙ stations

Since △ is so abundant, the "STACK", "MAST" & "FLAGPOLE" are not ~~shown as~~ Tape stations on the published map.

T-8687
67 recov.
30 plotted

T-8688
3 recov.
3 plotted

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.
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-8687.

T 1N R 1E, Section Corner, 22-23-26-27, 1946
STACK (concrete), Dairy Cooperative Association, 1946
MAST (Old Battleship Oregon), 1946
FLAGPOLE (Weatherly Building), 1945
T 1S R 1E, Section Corner, 2-3-10-11, 1946

In the area of Map Manuscript No. T-8688

Southeast Corner of Elijah Davidson, D.L.C., 1946
Southwest Corner of D. D. Prettyman, D.L.C., 1945
Northwest Corner of Clinton Kelly, D.L.C., 1946
Southeast Corner of Seldon Murray, D.L.C., 1946
Northeast Corner of H. Kelly, D.L.C., 1946
Northwest Corner of H. Kelly, D.L.C., 1946
Southwest Corner of Seldon Murray, D.L.C., 1946
T 1N R 2E, ¼ Section Corner, 19-30, 1945
T 1N R 1 & 2E, Section Corner, 25-30-31-36, 1945
T 1N R 1&2E, Section Corner, 19-24-25-30, 1945
T 1N R 1E, Section Corner, 23-24-25-26, 1946
T 1N R 1E, Section Corner, 25-26-35-36, 1946
T 1N & T 1S R 1E, Section Corner, 1-2-35-36, 1946
T 1S R 1E, Section Corner, 1-2-11-12, 1946

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscripts No's. T-8687 and T-8688, 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.

Investigation of Boundary Monuments & Land Lines . . .
Area of the Second Radial Plat.
Filed in Div. Photogram- General Files under "Sp'l Repts."

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 then 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:

See record sheet which accompanies each map manuscript.

Approved and forwarded:

Robert A. Earle
Robert A. Earle
Chief of Party

Respectfully submitted:
October 29, 1946

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

FIELD EDIT REPORT
T-8687 and T-8688
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.

In T-8687 all the shoreline features were checked. Newly constructed buildings, dolphins, piling, and changes in piers were noted by the field editor. The names of several churches which were omitted during the field inspection were obtained during the field edit. Other minor changes and omissions in this quadrangle and in T-8688 were noted and corrected during the field edit. The additional names and numbers of streets which were indicated on the prints were obtained and verified from official street signs.

It is to be noted that the names of city parks should not include the word "city" as a part of the name for the park.. For example in T-8688, the name is not Grant City Park but Grant Park (city).

Some difficulty was encountered in determining the ends of submarine cable crossings in T-8687 because of docked ships and barges; however, it is believed that all cable crossings or pipeline and cable areas have been indicated. The vertical and horizontal clearances of all the bridges were found to be in agreement with the U.S. Coast Pilot - Pacific Coast (sixth edition, 1942) except for the vertical clearance at the Ross Island Bridge.

The vertical clearance of 124 feet above the datum plane for this Project or 5 feet above the USE adopted low-water plane is believed to be correct. This fact was verified by Mr. C. G. Powers, Multnomah County Surveyor, who stated that his records indicate that the vertical clearance of this county owned bridge is 129 feet above the USE adopted low-water plane.

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 & Geodetic Survey.

48. Accuracy Tests:

Results of the horizontal accuracy test on T-8687 and T-8688 are attached to the back of this report.

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

49. Bench Mark Elevation:

The elevations of the bench marks shown on the sheets have been checked. Some of the elevations at the USC & GS bench marks are unadjusted elevations and are subject to correction when adjusted.

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.

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 geographic names:

ALBINA, ALAMEDA, IRVINGTON, ROSE CITY, LAURELHURST, LADDS ADDITION

Field Edit reviewed by:

Charles Hanavich
Topo. Engineer

Field Edit by:

F. H. Elrod (in T-8687)
Prin. Photo. Aid

J.C. LaJoye (in T-8688)
Prin. Photo. Aid

Approved by:

R. A. Earle
Chief of Party

HORIZONTAL ACCURACY TEST
Map manuscript T-8688& T-8687

Plane Coordinate positions, which were established from the various traverses run by the City of Portland, on the Lambert Projection, Oregon State, North Zone, were obtained from the City Surveyor of Portland, Mr. H. G. Richardson, who stated that these coordinate positions were of fourth-order accuracy or better and that no position is in error more than three feet.

Sinee the majority of these coordinate positions were for section, quarter section or city boundary corners, which were located at the centerline intersections of streets or roads, it was decided to utilize most of them as test points to check the accuracy of the map manuscripts.

The location of each of these points was indicated by the City Surveyor on several County Assessors Maps, which will be forwarded to Washington. Each position used as a test point has been assigned a numerical test point number and is indicated in red on the County Assessor's Map or sheet attached thereto.

In the tabulation of the test points, the coordinate position is referred to as T.P.No. and the scaled position from the map manuscript (Scale 1:8000) is referred to as M.M.No.

TABULATION OF TEST POINTS (T-8688)

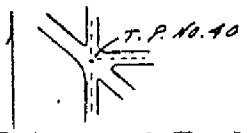
Description of Point	Test Point Number	X-Coord. (Ft.)	Y-Coord.	Displacement in mm
Centerline of Rd. at ¼ Sec. Cor.	T.P.No. 20	1,459,880	693,087	
	M.M.No. 20	1,459,879	693,088	.04
Inter. of T-rd., (S.C.24-19-25-30)	T.P.No. 21	1,457,157	693,171	
	M.M.No. 21	1,457,152	693,169	.16
Inter of X-rds., 90 degrees	T.P.No. 22	1,454,509	693,223	
	M.M.No. 22	1,454,503	693,227	.22

All the test points are well defined and were found to test within the map accuracy requirements.

Approved:
R. A. Earle,
Chief of Party

Respectfully submitted:
Charles Hanavich,
Topo. Engr.

TABULATION OF TEST POINTS (T-8687)

Description of Point	Test Point Number	X-Coord. (Ft.)	Y-Coord	Displacement in mm
Inter. of X-rds., 90 degrees	T.P.No. 37	1,447,112	676,382	
	M.M.No. 37	1,447,108	676,383	.12
Inter. of X-rds., 90 degrees	T.P.No. 38	1,447,118	676,587	
	M.M.No. 38	1,447,114	676,590	.15
Inter. of X-rds., 90 degrees	T.P.No. 39	1,447,150	677,595	
	M.M.No. 39	1,447,145	677,590	.21
	T.P.No. 40	1,447,160	677,936	
	M.M.No. 40	1,447,158	677,933	.11
Inter. of X-rds., 90 degrees	T.P.No. 41	1,447,225	680,015	
	M.M.No. 41	1,447,221	680,014	.12
Inter. of X-rds., 90 degrees	T.P.No. 42	1,447,274	681,574	
	M.M.No. 42	1,447,270	681,577	.15
Inter. of X-rds., 90 degrees	T.P.No. 43	1,447,307	682,614	
	M.M.No. 43	1,447,304	682,609	.17
Inter. of X-rds., 90 degrees	T.P.No. 44	1,447,355	684,173	
	M.M.No. 44	1,447,354	684,179	.18
Inter. of X-rds., 90 degrees	T.P.No. 45	1,447,388	685,212	
	M.M.No. 45	1,447,379	685,216	.30
Inter. of X-rds., 90 degrees	T.P.No. 46	1,447,436	686,768	
	M.M.No. 46	1,447,432	686,769	.12

All the test points are well-defined and were found to test within the map accuracy requirements.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project CS-322
T-8687

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Portland, Oregon October 20, 1946

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

R. A. Earle *Chief of Party*

STATE OREGON

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
MAST	Mast of the old battleship "OREGON" which has been erected as a historical monument on the west bank of the Willamette River, south of the Hawthorne Bridge, Portland, Ore.	MAST	45 30	(505.4) 1347.0	122 40	(809.4) 493.0	N.A. 1927	Radial Plot	3-6-46		X		6155
STACK	Tri. Sta. PORTLAND GENERAL ELECTRIC CO. (concrete stack) 1938	STACK	45 30	(877.5) 974.9	122 39	(123.8) 1178.6	N.A. 1927	Triangulation	1938			X	6154 6155
TANK	Tri. Sta. PORTLAND STETTLER CO. TANK, 1935	TANK	45 31	(554.0) 1298.3	122 39	(202.4) 1099.6	N.A. 1927	Triangulation	1935		X		6154 6155
	TO BE RETAINED AS NAUTICAL LANDMARKS:												
STACK	Tri. Sta. PORTLAND RAILWAY LIGHT & POWER CO. STACK, 1935	STACK	45 32	(894.6) 957.7	122 41	(451.8) 849.9	N. A. 1927	Triangulation	1935		X		6154 6155
STACK	Tri. Sta. PORTLAND U.P.R.R. CO. STACK, 1935	STACK	45 32	(740.8) 1111.6	122 40	(296.3) 1005.4	N.A. 1927	Triangulation	1935		X		6154 6155
TANK	Tri. Sta. PORTLAND CROWN MILLS, BLUE TANK, 1935	TANK	45 32	(1505.5) 346.9	122 40	(711.1) 590.7	N.A. 1927	Triangulation	1935		X		6154 6155
TANK	Tri. Sta. PORTLAND U.P.R.R. CO., WHITE TANK, 1935	TANK	45 31	(452.7) 1399.7	122 40	(890.2) 411.8	N.A. 1927	Triangulation	1935		X		6154 6155
CLOCK TOWER	Tri. Sta. PORTLAND UNION DEPOT CLOCK TOWER, (U.S.E.), 1906	CLOCK TOWER	45 31	(474.5) 1377.9	122 40	(618.8) 683.2	N.A. 1927	Triangulation	1906			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 individual field survey sheets. Information under each column heading should be given.

...pril 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND G...ETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Project CS-322
T-8687

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

Portland, Oregon October 20, 1946

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. Deal

R. A. Earle *Chief of Party.*

STATE OREGON

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
TANK	Triangulation station PORTLAND TERMINAL #1 ELEV. TANK, 1935	TANK	45 32	(1223.6) 628.8	122 41	(895.4) 406.3	N.A. 1927	Triangulation	1935		X		6154 6155
	NOTE: Tank is to be torn down by Portland City Dock Commission when they start construction of a new dock in this area.												

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-8687-8688

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	
Common to both sheets:										1
Oregon									USGB	2
Portland									"	3
Multnomah County										4
Union Pacific										5
Southern Pacific										6
Willamette Base Line										7
U.S. No. 30										8
U.S. No. Alt. 30										9
Oregon No. 50										10
Sullivan Gulch										11
Ledds Addition										12
Irvington										13
										14
										15
										16
T-8688:										17
Laurelhurst										18
Laurelhurst Park										19
Lone Fir Cemetery										20
Grant Park										21
Rose City										22
Rose City Cemetery										23
Alameda										
Lloyds Golf Course										24
Franklin High School										25
Richmond School										26
Hosford School										27

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GEOGRAPHIC NAMES

Survey No. T-8687-8688

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	
Albertina School	(partly on 8687)									1
Sunnyside School										2
Mount Tabor ~~Mountain~~ School										3
Portland Union Academy										4
Kerns School										5
Girls Polytechnic High School										6
U.S. Grant High School										7
Alameda School										8
Beaumont School										9
Benson Polytechnic High School	(also on 8687)									10
Rose City Park School										11
Fernwood School										12
Multnomah County Boys Detention Home										13
Buckman School										14
Central Catholic High School										15
Glencoe School										16
Laurelhurst School										17
Providence Hospital										18
Radio Station KBPS	(reported as correct in names report: manuscript has KPFD at same location) ?									19
										20
										21
T-8697:										22
Willamette River									USGB	23
Ross Island Bridge										24
Hawthorne Bridge										25
Morrison Bridge										26
Burnside Bridge										27

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GEOGRAPHIC NAMES

Survey No. T-8687-8688

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	
Steel Bridge										1
Broadway Bridge										2
Albina										3
Marquam Gulch (most of it is now underground)										4
Johnson Creek (most of it is now underground, especially on this sheet)										5
U.S. No. 99E										6
U.S. No. 99W										7
State 43										8
State 2/6										9
State No. 50 (on both sheets)										10
The names of buildings listed at the side of T-8687 appear to be in order.										11
										12
										13
										14
										15
4/29/47:										16
Additional names on T-8687, not on numbered list:										17
East of Willamette River: (north to south)										18
Irving Park										19
Overlook Park										20
Dawson Park										21
Holladay Park										22
Union Pacific Dock										23
										24
										25
West of river (north to south):										26
Church of God										27

Names underlined in red approved by L Heck on 3/14/47

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GEOGRAPHIC NAMES

Survey No. T-8687 & T-8688

4 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-8687 (continued):	(names on manuscript, not in numbered list)									1
Fire Station Engine No. 2	(near west end Steel Bridge)									2
Portland Union Depot	("depot" rather than station is apparently generally used term)									3
Washington Park	(only a little of it here)									4
Lownsdale Square City Park (Men)										5
Chapman Square City Park (Women)										6
Lincoln High School Athletic Field										7
Duniway Park										8
Lair Hill Park										9
Sam Jackson Park										10
SW Canyon Road										11
From other sources:										12
Marquam Hill	(area in SW part of T-8687: Sam Jackson Park on it)									13
South Park Blocks										14
Northern Pacific										15
Battleship Oregon Mast	(on manuscript)									16
Charleton Laboratory	(" ")									17
See marked copy of manuscript for check on numbered names										18
										19
	Further check completed on T-8687 4/29/47									20
~~Northern~~						L.H				21
Portland Traction Co.										22
Spokane Portland & Seattle										23
										24
										25
										26
										27

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Division of Photogrammetry
Review Report of
Planimetric Survey Manuscript No. T-8687

Paragraph numbers used in this review report refer to numbered paragraphs in the descriptive report.

26. Control.-

Nineteen of the recovered stations were identified for use in the radial plot and were plotted on the manuscript in the Portland Compilation Office. The remaining stations had been accurately plotted on an overlay ruled with one minute grids. These stations were pricked on the map manuscript by holding the manuscript over the overlay and registering the grid minute by minute. The stations were then checked for accuracy against the geographic positions of the stations. Many of the stations were prominent objects on buildings and it was necessary to recompile the buildings so that they fell in correct relation with the station and its description. A list of the stations, originally attached to the overlay sheet, was attached to the map manuscript and was identified on the manuscript by numbers corresponding to the numbers on the list.

28. Detailing.-

Although the detailing was generally complete and accurate, a number of corrections were necessary by the reviewer because of a tendency on the part of the compiler not to allow for relief displacement of the image of elevated objects such as buildings and tanks, viz:

A tank, station No. 49, was moved due north about 0.5 mm.

A tank, station No. 8, was moved due west about 1.5mm and the building it was located on was also extended in a westerly direction.

Building No. 54, station No. 27, was moved in a south-westerly direction about 1.0 mm and centered on the block.

Building No. 37, station 17, was redrafted and centered on the block.

It should be noted that in each of the above instances the feature in error was a triangulation station with an established geographic position. Towers, tanks, buildings, etc., with a geographic position should be located by plotting the position in preference to locating it by radial line intersections on the photo plot or by adjustment between plot points during the detailing.

The railroad yard limits were accurately compiled but some changes were made to the track pattern and track alignment to better represent the actual conditions. The track curves immediately due west of roundhouse No. 132 which were smoothly rounded and evenly spaced were redrawn to show the actual character of the curve. Similarly, the yard due north of roundhouse No. 14 was redrawn to show its characteristic track pattern.

The yard and buildings in the immediate vicinity of triangulation station No. 9 were redrafted. Very minor changes were made to water front areas such as running dock limits parallel to the buildings. Minor corrections were also made to the alignment of streets and buildings.

44. Comparison with Existing Topographic Surveys.-

The map manuscript compared favorably with the following topographic quadrangles:

U.S.G.S. Portland, Oreg.-Wash., 1:62,500, 1896,1905,1940
U.S.E. Portland, Oreg.-Wash., 1:62,500, 1939-40

44a. Comparison with Previous Topographic Surveys of this Bureau.-

The following topographic surveys fall in the area of the map manuscript:

T-1546	1:10,000	1884
T-6619a	1:5,000	1938
T-6619b	1:5,000	1938

The above surveys are reviewed in the Record Sheet for T-8687 with the exception of survey T-1546. Numerous changes have occurred since this latter survey and all previous topographic surveys are now superseded by the map manuscript.

45. Comparison with Nautical Charts.-

See Record Sheet for T-8687.

This map manuscript has not been applied to the nautical charts as of the date of this review report.

Reviewed by: Reviewed under direction of:

K. N. Maki

K. N. Maki 1-8-47
Photogrammetrist

D. V. Griffith per MCH

Chief, Review Section

APPROVED BY:

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

Chief, Nautical Chart Branch
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

E K Green
Chief, Div. of Coastal Surveys

Division of Photogrammetry

Review Report of

Planimetric Survey, Manuscript No. T-8688

Paragraphs not used in this review have been adequately covered in other parts of this report.

28. Detailing.-

Detailing of the manuscript was considered good. It was necessary to relocate the position of several streets and to re-ink a large portion of the compilation which had been nearly obliterated by excessive cleaning. The Albertina School boundary, not shown by the compiler, was added by the reviewer.

44. Comparisons with Existing Topographic Quadrangles.-

The manuscript compared favorably with the following topographic quadrangles:

U.S.G.S. Portland, Oreg.-Wash., 1:62,500, 1896, 1905, 1940.

U.S.E. Portland, Oreg.-Wash., 1:62,500, 1939-40.

45. Comparison with Previous Topographic Surveys of this Bureau.-

None in this area.

Reviewed by: E. N. Mahi
Photogrammetrist 12/10/46

Reviewed under the direction of: S. V. Griffith
Chief, Review Section

APPROVED BY:

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

K. T. Adams
Chief, Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

C. K. Green
Chief, Div. of Coastal Surveys

78-RCR

23 December 1946

To: Lt. Comdr. Robert A. Earle
U. S. Coast and Geodetic Survey
c/o Swan Island Postal Station
Portland 18, Oregon

Subject: Overlay for map manuscript T-8687

Reference: Memorandum, Horizontal and vertical control on map manuscripts and published maps

In a letter dated 28 March 1946 you were requested not to prepare overlays for any of the map manuscripts in this project. Yet for T-8687 an overlay has been prepared showing all the horizontal control stations not used in controlling this map, although there was adequate room to show all the stations and their reference numbers directly on the manuscript.

If you have shown these horizontal control stations on an overlay thinking that these stations would not be shown on the published map, there is enclosed a copy of a memorandum that I have prepared for the Drafting Section stating our policy in regard to showing control on the published maps for this project.

You will please show all the map information on the map manuscripts in the future and if, as implied in paragraph 7 of the enclosed memorandum, there is a need to make a selection of stations to be shown on the published maps, the selection will be made in the Review Section in this office.

K. T. Adams
Chief, Div. of Photogrammetry

Encl.

T-8688 (additional church and similar names):

(listed from bottom to top of sheet)

Waverly Baby Home
Waverly Heights Congregational Church
Lincoln Methodist Church
Church of God
Antioch Baptist Church
Church of Jesus Christ--Latter Day Saints
Holy Trinity Greek Orthodox Church
Mizpah Presbyterian Church ← St. Stephens Catholic Church
St. Philips ~~Catholic~~ Church and School
Ladd Evangelical Church
Third Church of Christ Scientist
Hawthorne Temple Church ?
Christian Science Center (Christian Science Center ?)
Lancaster Telephone Exchange
Hinson Memorial Baptist Church
Veterans of Foreign Wars Building
Grace Methodist Church
Central Christian Church
Sunnyside Masonic Temple
First United Presbyterian Church
First Friends Church
Stout Memorial Congregational Church
Sunnyside Memorial Church — (Sunnyside Methodist Church ?
Fire Station Engine No. 9
Belmont Hawthorne Branch Library
Convent Parish Hall and School
Glencoe Baptist Church
Portland Sanitorium Nurses Home Sanitarium ?
Mount Tabor Presbyterian Church
A.L. Mills Open Air School
Fire Station Engine No. 19
Sunnyside Seventh Day Adventist Church
St. Josephs Home for the Aged
Central Presbyterian Church
Central Church of the Nazarene
Swiss German Church ← Fire Station Engine No. 12
Laurelhurst Club
Stark Street Gospel Hall
Full Gospel Assembly Church
Laurelhurst Baptist Church
Albertina Kerr Home
Jantzen Knitting Mills
Lloyds Golf Course
Immanuel Temple Church
Mann Home
Salvation Army Home
All Saints Church and School
Jeanne d'Arc Statute
Laurelhurst United Presbyterian Church
Central Wesleyan Methodist Church

Parks, etc:

Owen Summers City Park

Additional names for T-8688, continued:

- Columbia Steel Company
- Central Free Methodist Church
- Bethlehem Lutheran Church
- Eighth Church of Christ
- Rose City Branch Library
- Community Non-Sectarian Church
- Grace Memorial Episcopal Church
- Grace English Church
- Westminster Presbyterian Church
- Irvington Club
- St. Michaels and All Angels Episcopal Church
- Rose City Park Community Presbyterian Church
- Fire Station Engine No. 23
- Rose City Park Methodist Episcopal Church
- Friendship Masonic Temple
- St. Rose Catholic Church and School
- George Washington Monument
- Holy Child Jesus Catholic High School for Girls
- Grant Park Church
- Garfield Telephone Exchange
- Madelene Catholic Church and School
- Fremont Community Church

School:
Primary
- Franklin/School (Franklin High School already listed)

- Southern Pacific
- Columbia Ladder & Door Company
- City Reservoir No. 2
- City Reservoir No. 6

Hosford School
Franklin Bible Church
Sunnyside School
Glencoe School
Mt Tabor School
Central Catholic High School
Kerns School
Lincoln Polytechnic High School
Buckman School
Portland Union Academy
Providence Hospital
Laurelhurst School
Multnomah County Boys Detention Home.
Benson Polytechnic High School
Fernwood School

Columbia Terminals Co.
Rose City Park
Rose City Park School
Beaumont School
Alameda School

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8687 / T 8688

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/5/48	6171	J J Walker	~~Before~~ After Verification and Review
18 Jan 50	6155	Nichols	~~Before~~ After Verification and Review Completely applied - T-8687 ; T-8688
23 Aug 50	6156	Nichols	~~Before~~ After Verification and Review Completely applied.
			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.