8689
8690

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. T-8689 *Office No.* T-8690

Horiz. Acc'y Test.

LOCALITY

State Oregon

General locality Multnomah County, Oregon

Locality S.E. Portland, Oregon

1946

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE December 17, 1947

8-1870-1 (1)

8690
8689

Form T-1

DATA RECORD

T- 8689

Quadrangle (II): MT. TABOR, Multnomah Co., Ore. 3 minute

Project No. (II): C.S. 322

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

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

Instructions dated (II III): July 12, 1945 Copy filed in ~~Descriptive~~ Division
Supplemental Instructions: Aug. 29, ~~Report No. T-~~ (VI)
Sept. 10, Oct. 25, Nov. 30, and Dec. 6, 1945 Photogrammetry Office files

Completed survey received in office: 28 Aug. 1946

Reported to Nautical Chart Section:

Reviewed: 10 Dec. 1946 Applied to chart No. Date:

Redrafting Completed: 5 May, 1947

Registered: ~~Aug~~ DSC 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): MT. TABOR (Oreg) 1935 r 1945

Lat.: 45° 30' 41.600" (1284.3) m Long.: 122° 35' 34.316" (744.9) m 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
1137 to 1140 Inc.	7-2-45	10:20	(1:17000 Contact) (1: 8000 Ratio)	There are no tidal waters within the limits of this Map Manuscript.
1229 to 1232 Inc.	7-2-45	12:00	" "	

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: July, 1946

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

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

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

Control plotted by: Eda H. Bunce date: Nov. 1945

Control checked by: Carita C. Wiebe date: Nov. 1945

Radial Plot by: James L. Harris & J. E. Deal date: Dec. 5, 1945

Detailed by: Clyde Randall date: May 15, 1946

Reviewed in compilation office by: Ree H. Barron date: May 21, 1946

Corrections & Changes after field edit by: Ree H. Barron Aug. 20, 1946

Review after changes due to field edit by: J. E. Deal Aug. 20, 1946

Elevations on Field Edit Sheet checked by: Charles Hanavich, Photogrammetric Engr. date: July 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: 13 (11 section corners and 2 interior landmarks.

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. MacArthur, Photo Aid (CofC)
Date: Dec. 1945

Recovery of Horizontal Control By: F. H. Elrod, Prin.Photo.Aid
Date: Aug. 1945

Recovery of Vertical Control By: J. H. Winniford, Photo.Aid.
Date: Sept. 1945

Investigation of Geographic Names and Civil Boundaries by: L. E. Ervast, Photo. Aid (C ofC)
Date: Dec. 1945

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Multnomah County, Ore.

SHEET NO. T-8689

LOCALITY Mt. Tabor, Portland, Oregon

PROJECT NO. CS-322

PHOTOS ORDERED August 1940 REC'D 10-1-45

SCALE 1:8000

PROJECTION ORDERED Aug. 1945 REC'D 10-24-45

Joins T-8682 Ck. ✓

Joins T-8688 Ck. ✓

Joins T-8690 Ck. ✓

Joins T-8697 Ck. ✓

CONTROL: Bunce Wiebe
COMPUTED Harris VERIFIED Bunce

PLOTTED Bunce VERIFIED Wiebe

PHOTO PREPARATION:
CONTROL Harris

AZIMUTHS Letson

PASS POINTS Harris

TEMPLETS Myers VERIFIED Harris

RADIAL PLOT:
PLOTTED BY Harris DATE 12-3-45

VERIFIED Deal DATE 12-5-45

COMPILATION:
DETAIL POINTS Barron DATE 1-8-46

DETAIL BY Randall DATE 5-15-46

VERIFIED BY Barron DATE 5-21-46

DATE OF PHOTOS 1137 to 1140: 7-2-45
1229 to 1232: 7-2-45

TIME OF PHOTOS 1137 to 1140: 1020
1229 to 1232: 1200

STAGE OF TIDE There are no tidal waters within the area of this Map Manuscript.

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

Due to scale difference only a visual comparison was made with the U.S.G.S., Portland, Ore.-Wash. 15 minute quadrangle, Scale 1:62500. In general common planimetric detail 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, D.C. DATE August 23, 1946

R.A. Earle
Chief-of-Party.

Form T-1

DATA RECORD

T- 8690

Quadrangle (II): S.E. BASE LINE ROAD Project No. (II): C.S. 322
Portland, Oregon 3 minute

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

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

Instructions dated (II III): July 12, 1945 Copy filed in ~~Descriptive Report No. T-~~ (VI)
Supplemental Instructions: Aug. 29, Sept. 10, Oct. 25, Nov. 30, and Dec. 6, 1945 Div. Photogrammetry Office files

Completed survey received in office: 28 Aug. 1946

Reported to Nautical Chart Section: -

Reviewed: 9 Oct. 1946 Applied to chart No. Date:

Redrafting Completed: 8 Nov. 1946

Registered: ~~1 Aug~~ 1 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): FEDERAL COMMUNICATIONS MONITORING STATION
EAST RADIO MAST (ORE) 1938 r 1945

Lat.:	Long.:	Adjusted X
45°32'22.513" (695.0m)	122°30'24.349" (528.3 m)	Unadjusted

State Plane Coordinates (VI): Oregon, North Zone
Washington, South Zone

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
1184 to 1188 Inc.	7-2-45	10:40	(1:17,000 contact) (1: 8,000 ratio)	There are no tidal waters within the limits of this Map Manuscript.
1229 to 1232 Inc.	7-2-45	12:00	" "	

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: June, 1946

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

Projection and Grids ruled by (III) Wash. Office date: Sept. 1945

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

Control plotted by: Helen L. Letson date: Oct. 1945

Control checked by: Eda H. Bunce date: Oct. 1945

Radial Plot by: James L. Harris and J. E. Deal date: Dec. 4, 1945

Detailed by: Ramona Pomeroy date: April 5, 1946

Reviewed in compilation office by: Ree H. Barron date: April 10, 1946

Corrections and changes after field edit by: Marie B. Elrod Aug. 2, 1946

Review after changes due to field edit by: Ree H. Barron Aug. 19, 1946

Elevations on Field Edit Sheet checked by: Charles Hanavich, Photo. Engr. date: June, 1946

STATISTICS (III)

Land Area (Sq. Statute Miles): 8.4

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

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

Number of Recoverable Topographic Stations established: 8 (7 monumented section corners and 1 interior landmark.)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles:

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

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

Remarks:

Field Inspection By: J. H. Winniford, Photo. Aid Date: Nov. 1945

Recovery of Horizontal Control By: F.H. Elrod, Prin.Photo.Aid Date: Sept. 1945

Recovery of Vertical Control By: J.H.Winniford, Photo. Aid Date: Sept. 1945

Investigation of Geographic Names and Civil Boundaries By: L. E. Ervast, Photo. Aid (CofC) Date: Jan. 1946

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Multnomah County, Ore. SHEET NO. T-8690

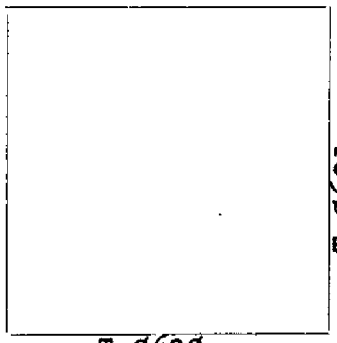
LOCALITY NE Base Line Road, Portland, Ore. PROJECT NO. C.S. 322

PHOTOS ORDERED Aug. 1945 REC'D Oct. 1, 1945 SCALE 1:8,000

PROJECTION ORDERED Aug. '45 REC'D Sept. 24, 1945

Joins T-8683 Ck

Joins T-8689 Ck



Joins T-8691 Ck

Joins T-8698 Ck

CONTROL:
COMPUTED Harris VERIFIED Bunce
PLOTTED Letson VERIFIED Bunce

PHOTO PREPARATION:
CONTROL Harris
AZIMUTHS Salazar
PASS POINTS Harris

TEMPLETS Myers VERIFIED Harris

DATE OF PHOTOS 7-2-45
TIME OF PHOTOS 1184 to 1188 10:40
1229 to 1232 12:00

RADIAL PLOT:
PLOTTED BY Harris DATE 11-30-45
VERIFIED Deal DATE 12- 4-45

COMPILATION:
DETAIL POINTS Pomeroy DATE 12-30-45
DETAIL BY Pomeroy DATE 4- 5-46
VERIFIED BY Barron DATE 4-10-46

STAGE OF TIDE There are no tidal waters within the limits of this Map Manuscript.

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

Due to scale difference only a visual comparison was made with the U.S. Geological Survey, Portland, Oregon, 15 minute quadrangle scale 1:62,500. In general, common planimetric detail 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, D. C. DATE August 23, 1946.

R. A. Earle
Chief of Party

M-2305-12

FIELD INSPECTION REPORT
QUADRANGLES T-8689 and T-8690
PROJECT CS-322

1. to 25:

All information applicable to these side headings is given in the "Field Inspection Report, Project CS-322, Area of the First Radial Plot", which was enclosed with the Descriptive Report for Quadrangles T-8709 and T-8710. This Descriptive Report has been submitted. Side headings numbered 7, 8, 9, 10, and 12, discussed in the above mentioned field inspection report, are not applicable to Quadrangles T-8689 and T-8690.

Approved by:

R. A. Earle
Chief of Party

Respectfully submitted:

Charles Hanavich
Photogrammetric Engineer

The original descriptive report T8689 and T8690 was lost during the time the maps were being processed in this office. This report has been made up from a duplicate of the original and therefore the field inspection, compilation and field edit notations lack signatures of the personnel who prepared them.

BJ Jones
12/47.

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 NUMBERS T-8689 and T-8690

PROJECT CS 322

26. Control:

At the time this project was started there were eight existing horizontal control stations in the area of these two map manuscripts. Three of these were closely grouped and located in the northeast part of T-8690; a group of three others were located in the northern part of T-8689, and two were grouped and located in the southwest part of T-8689. All were recovered and one in each group was identified.

In order to more satisfactorily control the orientation of the photographs, three new triangulation stations were established. One of these, located in the eastern part of T-8690, and one other, of a group of two located in the west central part of T-8690, were identified.

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 First Radial Plot". This report is included with the descriptive report for map manuscripts T-8709 and T-8710 which was forwarded to the Washington Office on July 5, 1946.

in Div. Photog. Gen. Files (Sp'l. Rpts)

A complete tabulation of supplemental horizontal control stations which were established in 1945 and 1946 is attached to a special report, "Third-Order Triangulation and Traverse, Project CS-322, Area of the First Radial Plot", which was forwarded to the Washington Office on July 12, 1946.

in Library 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, First Radial Plot, Project CS-322". This radial plot report was included with the descriptive report for map manuscripts T-8709 and T-8710 which was forwarded to the Washington Office on July 5, 1946.

in Div. Photog. Gen. Files (Sp'l Rpts)

28. Detailing:

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

Special Report: Investigation of Boundary Monuments & Land Lines ...
Area of the First Radial Plot.
Filed in Div. Photogram. Gen. Files under "Special Reports"

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

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

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

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

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

29. Supplemental Data:

The following maps or plans were used to supplement the photographs:

Blue line print, "Map of City of Portland", at an approximate scale of 1"=150', which will be forwarded at a later date.

Sheets 32, 33, 38, and 39, of a set of 74 sheets published by the Multnomah County, Oregon Assessor's Office, at a scale of 1"=600'. These maps were forwarded with the Geographic Names Report on July 15, 1946.

30 to 35. These items are not applicable to map manuscripts numbers T-8689 and T-8690.

36. Landing Fields and Aeronautical Aids:

Most of the area of "Troh's Skyport" (private) falls in the southeast part of T-8690.

"Skylife", a private airport, which at the time of field edit was under construction, falls entirely within the limits of T-8690. It has been shown in accordance with the field inspection and field edit data contained on field photograph No. 1187.

Copies of Form 567 recommending the charting of "FEDERAL COMMUNICATIONS MONITORING STATION, WEST RADIO MAST, 1938, r 1945" as an aeronautical aid are attached.

37. Geographic Names:

Only undisputed geographic names are shown on the map manuscripts.

Geographic names are the subject of a special report, "Investigation of Geographic Names, Project CS-322, Area of the First Radial Plot", which was forwarded to the Washington Office on July 12, 1946.

In Geog. Names of Coast Surveys Div. of Charts

38. Recoverable Topographic Stations:

Copies of Forms 524 are being submitted for the following stations:

In the area of T-8689:

BLACK TANK ELEV. (Morningside Hospital), 1945
SILVER WATER TANK (Elev.), 1945
T 1-N R 2-E, Section Corner, 27-28-33-34, 1945
T 1-S R 2-E, Section Corner, 4-5-8-9, 1945
T 1-N R 2-E, Section Corner, 28-29-32-33, 1945
T 1-N R 2-E, Section Corner, 20-21-28-29, 1945
T 1-N R 2-E, Section Corner, 19-20-29-30, 1945
T 1-N R 2-E, Section Corner, 29-30-31-32, 1945
T 1-S R 2-E, Section Corner, 3-4-9-10, 1945
WILLAMETTE BASE LINE R 2-E, Section Corner, 4-5-32-33, 1945
WILLAMETTE BASE LINE R 2-E, Section Corner, 3-4-33-34, 1945
T 1-N R 2-E, Quarter Section Corner 28-33 also East Boundary City Limits, 1945
T 1-N R 2-E, Section Corner 21-22-27-28, 1945

In the area of T-8690:

WEST TANK ELEV. (Glendoveer Golf Course), 1945
T 1-N R 2-E, Section Corner 22-23-26-27, 1945
T 1-N R 2-E, Section Corner 26-27-34-35, 1945
T 1-N R2-E, Section Corner 25-26-35-36, 1945
T 1-S R 2-E, Section Corner 2-3-10-11, 1945
T 1-S R 2-E, Section Corner 1-2-11-12, 1945
WILLAMETTE BASE LINE, R 2-E, Section Corner, 2-3-34-35, 1945
WILLAMETTE BASE LINE, R 2-E, Section Corner, 1-2-35-36, 1945

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscripts Nos. T-8689 and T-8690, and with adjoining map manuscripts.

40. Bench Marks:

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

41. Section Corners:

On file at the office of Mr. Claude Powers, Multnomah County Surveyor, Court House, Portland, Oregon, are positions (in coordinates) of many monumented section corners. These coordinate positions are on a special system of true north and south, east and west grids established around the Lambert, Oregon North Zone coordinates of triangulation station ROCKY BUTTE, 1889. The difference in azimuth between the Lambert grids and the special grids is approximately 1°-27'. These section corners were monumented and positions computed under a W.P.A. project. The computations which would be necessary to change these coordinate positions to the Oregon North Zone system or to geodetic positions were deemed superfluous.

The position of the quarter corner 21-28 shown on T-8689 was plotted from Oregon North Zone coordinates obtained from Mr. Henry Richardson, City Surveyor's Office, Portland, Oregon. They are:

X= 1,470,490
Y= 692,759

44. Comparison with Existing Topographic Surveys:

See record sheet which accompanies each map manuscript.

45. Comparison with Nautical Charts:

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

Approved and Forwarded:

Robert A. Earle
Chief of Party

Respectfully submitted:

August 22, 1946

J. Edward Deal, Jr.
Photogrammetric Engr.

FIELD EDIT REPORT
T-8689 and T-8690
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 symbols and to the different colored inks used.

47. Adequacy of the Compilation:

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

Any drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by appropriate notes. The deletion of buildings consisted for the most part of small barns, garages, shacks, and buildings nearing the end of their useful life, and which in accordance with the instructions should be deleted. The newly constructed airport "Trohs Skyport" and the partially constructed airport "Skylife Airport", which lie in quadrangle T-8690, were located by planetable methods on field photographs 380 and 1187 respectively.

In accordance with the field edit instructions, the accuracy and completeness of the map manuscripts in regard to geographic names, boundaries, public land lines, and detail were checked by Mr. H. G. Richardson, City Surveyor, City Hall, Portland, in T-8689 and by Mr. C. G. Powers, County Surveyor of Multnomah County, Multnomah County Courthouse, Portland, in T-8690. 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:

Results of the horizontal accuracy test on T-8689 are attached to the back of this report. For additional accuracy tests in this area refer to the field edit report on T-8691 and T-8692, which has been submitted.

The maps are believed to comply with the horizontal accuracy specifications.

49. Bench Mark Elevations:

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

Field Edit Reviewed By:

Charles Hanavich
Photogrammetric Engr.

Field Edit By:

F. H. Elrod
Prin. Photo. Aid

Approved By:

R. A. Earle
Chief of Party

HORIZONTAL ACCURACY TEST
Map Manuscript T-8689
Project CS-322

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.

Since 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 locations of these points were 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 positions obtained from the City of Portland is referred to as T.P. No. and the scaled position from the map manuscript (Scale 1:8,000) is referred to as M.M. No.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	X-Coord. (Ft.)	Y-Coord.	Displacement in mm
Inter. of X-rds., (S.C.20-21-28-29), 90 degrees	T.P.No. 6	1,467,812	692,837	
	M.M.No. 6	1,467,803	692,850	.48
	T.P.No. 7	1,465,172	692,930	
	M.M.No. 7	1,465,178	692,939	.32
Inter. of T-rd, (S.C.19-20-39-30), 90 degrees	T.P.No. 8	1,462,530	692,998	
	M.M.No. 8	1,462,533	693,011	.41
Inter of X-rd, 85 degrees	T.P.No. 9	1,467,707	690,190	
	M.M.No. 9	1,467,705	690,202	.36
Inter. of T-rd., (S.C.28-29-32-33), 90 degrees	T.P.No. 10	1,467,604	687,542	
	M.M.No. 10	1,467,598	687,531	.38
Inter. of X-rds., 90 degrees	T.P.No. 11	1,467,531	684,920	
	M.M.No. 11	1,467,521	684,931	.45
Inter. of X-rds., (S.C.32-33-4-5), 90 degrees	T.P.No. 12	1,467,458	682,263	
	M.M.No. 12	1,467,456	682,271	.25
Inter. of T-rd. (S.C.4-5-8-9-) 90 deg.	T.P.No. 13	1,467,422	676,983	
	M.M.No. 13	1,467,419	676,985	.11

Test point No. 7 is a less well defined point. The remaining points are well defined. All the points were found to test within the accuracy requirements.

Approved By:

R. A. Earle,
Chief of Party

Respectfully Submitted:

Charles Hanavich,
Photo. Engr.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8690

NONFLOATING AIDS OR LANDMARKS FOR CHARTS (AERONAUTICAL)

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

Portland, Oregon August 19, 1946

I recommend that the following objects which ~~xxx~~ *(have not)* been inspected from seaward to determine their value as landmarks, be charted on ~~(xxxxx xxxx~~ the charts indicated.

The positions given have been checked after listing by /s/ E. Deal

Robert A. Earle *Chief of Party.*

STATE Southeast Portland, 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
	FEDERAL COMMUNICATIONS MONITORING STATION WEST RADIO MAST, 1938 r 1945		45 32	(1158.7) 693.7	122 30	(639.4) 662.4	N.A. 1927	Triangu-lation	1938				W-1

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.

Division of Photogrammetry

Review Report of

Planimetric Survey T-8689

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

28. Field Inspection and Delineation:

The field inspection and office delineation of details were adequate and complete and no corrections of consequence were necessary during this review.

41. Section Corners, Land Claim Lines:

The General Land Office survey system was considered very good in this area and the position of land claim lines based on these sections should be good.

There were twelve section corners within the limits of the map manuscript. Ten of them were recovered monumented corners. In addition, there was one recovered monumented quarter section corner and one that was plotted from coordinates.

44. Comparison with Existing Topographic Surveys:

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

The above surveys are in fair agreement with the map manuscript.

45. Comparison with Nautical Charts:

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

Reviewed by:

Lena T. Stevens

Lena T. Stevens 10 Dec. 1946
Photogrammetrist

K. N. Maki

K. N. Maki
Photogrammetrist

Reviewed under direction of:

S. V. Griffith

S. V. Griffith 8 Apr. 1947
Chief, Review Section

APPROVED BY:

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

K.T. Adams
Chief, Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

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

DIVISION OF PHOTOGRAMMETRY
Review Report of
Planimetric Survey Map T-8690

Paragraph numbers not used in this Review Report have been adequately covered in other parts of the Descriptive Report.

26. CONTROL

Two U. S. G. S. traverse stations were plotted on the manuscript during review. They have not been shown on the drafting overlay, since they will not appear on the printed map.

The positions of four recoverable monumented section corners, questioned by the reviewer, were found to be in error and were relocated. The geographic positions on the H. & T. cards (Form 524), submitted for these stations, were corrected.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

U.S.G.S.	PORTLAND,	Oreg.-Wash.	15'	1:62500	1905/40
U. S. E.	"	"	"	"	1939/40

A comparison was made with the above quadrangles and, with the exception of the Township-Range lines, was found to be in generally good agreement.

49. DONATION LAND CLAIM LINES

The southern boundary of the L. W. Nelson property was incorrectly drawn. It has been changed to agree with the boundary as shown on Assessment Map. No. 39 (See contact photograph No. 1229).

Reviewed by:

Lena T. Stevens
Photogrammetrist
10 Dec. 1946

K. N. Maki
K. N. Maki
Photogrammetrist

Reviewed under the Supervision of:

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

Approved by:

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

K.T. Adams
Chief, Div. of Photogrammetry

Chief, Nautical Chart Branch,
Division of Charts

E K Green
Chief, Div. of Coastal Surveys

GEOGRAPHIC NAMES

Survey No. T-8689
(In place of original list)

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Oregon									USGB	1
Multnomah County										2
Portland									USGB	3
Union Pacific										4
U.S. No. 30										5
U.S. No. 30 Alt	or	Base Line Road								6
Willemette Base Line										7
Rocky Butte										8
Hill Military Academy										9
Rose City Park										10
Rose City Municipal Golf Course										11
Gregory Heights School										12
Glenhaven School										13
Multnomah County Jail										14
Montavilla Public Park										15
Montavilla		(a district of the city: apply name near the Montavilla Branch P.O.)								16
John L. Vestal School										17
Oregon Blind Trade School										18
Portland ~~Sanx~~ Sanitarium										19
Russellville										20
Morningside Hospital										21
Kelly Butte										22
Mount Tabor		(apply name to highest elevation)								23
Mount Tabor Park										24
Oregon No. 213										25
				Names underlined in red approved by L. Heck 1/4/47						26
				(original list 10/29/46)						27

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NAUTICAL CHARTS BRANCH

SURVEY NO. T-8689 T-8690

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
23 Aug 50	6156	Nichols	~~Before~~ After Verification and Review
			Complete application
			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.