8816

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

8816

Type of Survey Planimetric Air Photographic

Field No. ..... *Office No.* T-8816

LOCALITY

State OREGON

General locality Willamette River

Locality Salem

194 7

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE January 8, 1948

8-1870-1 (1)++

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Willamette River

LOCALITY Salem, Oregon

SHEET NO. T-8816

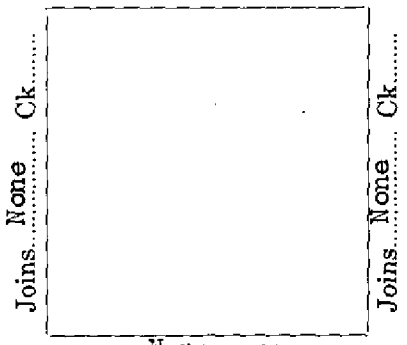
PROJECT NO. Ph-13(46)

SCALE 1:10,000

PHOTOS ORDERED Dec., 1946 REC'D 14 Jan. 1947

PROJECTION ORDERED Dec. '46 REC'D 3 Feb. 1947

Joins T-8815 Ck ✓



CONTROL:
COMPUTED Harris VERIFIED Davidson

PLOTTED Harris VERIFIED Barron

PHOTO PREPARATION:
CONTROL Harris

AZIMUTHS Davidson

PASS POINTS Letson

TEMPLETS Barron VERIFIED Harris

RADIAL PLOT:
PLOTTED BY Harris DATE 5-9-47

VERIFIED Deal DATE 5-12-47

COMPILATION:
DETAIL POINTS Barron DATE 5-19-47

DETAIL BY Letson DATE 8-26-47

VERIFIED BY Barron DATE 9-17-47

DATE OF PHOTOS 9 August 1946

TIME OF PHOTOS 12:34 to 13:14
Pacific Standard Time

STAGE OF TIDE Water level is a gradient between the elevations above M.S.L. of the zeros of the U.S.E. river gages.

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:
Due to a scale difference only a visual comparison was made with the USGS Salem, Ore. and Stayton, Oregon 15 min. quadrangles, Scale, 1:62500. The planimetry which is common to the map manuscript and quadrangle maps is in good agreement. The water level of the quadrangle maps is higher than that of the map manuscript. A large pond, adjacent to the east shoreline of the Willamette River and just (over)

REMARKS All planimetric details have been compiled, within a zone averaging 300 meters in width, along both shores of the Willamette River. Inshore from this area, in the Cities of Salem and West Salem, all streets and public buildings have been shown. Elsewhere on the map manuscript only skeleton planimetric details have been compiled.

FORWARDED TO Washington Office DATE 24 September 1947

R. A. Earle
Chief of Party

south of State Street in Salem, shown on the quadrangle map has evidently been filled. Elsewhere over the area many new streets and roads have been built since the quadrangle maps were made.

Form T-1

DATA RECORD

T-8816

Quadrangle (II): Salem and Stayton, Oregon (USGS) 15 minute Project No. (II): Ph-13(46)

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

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

Instructions dated (II III): 8 October 1946
Supplemental Instructions: 4 November 1946
Copy filed in ~~Descriptive~~ Div'l Photo-grammetry Office Files
~~Report No. T- (VI)~~

Completed survey received in office: 9/29/47

Reported to Nautical Chart Section: 10/1/47

Reviewed: 11/28/47 Applied to chart No. ———— Date: ————

Redrafting Completed:

Registered: 12/23/47 Published:

Compilation Scale: 1:10,000 Published Scale:

Scale Factor (III): None

Geographic Datum (III): N. A. 1927 Datum Plane (III): * See below

Reference Station (III): SALEM, 1940 r 1947

Lat.: 44° 55' 48.108" (1485.0m) Long.: 123° 00' 14.000" (307.0m) Adjusted x Unadjusted

State Plane Coordinates (VI): OREGON NORTH GRID (ruled in red on the manuscript)

X = Y =

Military Grid Zone (VI)

The adopted water plane is a gradient between 105.2 ft. above M.S.L. (the zero of the river gage at Upper Mosquito Bar) and 109.2 ft. above M.S.L. (the zero of the river gage at Salem, Oregon) All bench mark elevations are referenced to M.S.L. and are on the Standard 1929 general adjustment of leveling in the U. S. A.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	WATER LEVEL ~~Stage of Tide~~
17289 to 17291 Inc.	8-9-46	12:34	1:10,000	The water level of the photographs is believed to be close to the adopted water plane.
17293 to 17296 "	"	12:46	"	
17316 to 17319 "	"	13:14	"	

Tide from (III): None

Mean Range: None **Spring Range:** None

Camera: (Kind or source) USC&GS Nine lens, focal length 8.25 inches

Field Inspection by: J. C. LaJoye (Shoreline) **date:** March, 1947
J. Winniford (Interior & Geographic Names) March, 1947
February, 1947

Field Edit by: None **date:**

Date of Mean High-Water Line Location (III): March, 1947

Projection and Grids ruled by (III) Washington Office **date:** January, 1947

" " " **checked by:** Washington Office **date:** January, 1947

Control plotted by: J. L. Harris **date:** April, 1947

Control checked by: Ree H. Barron **date:** April, 1947

Radial Plot by: J. L. Harris & J. E. Deal **date:** 12 May 1947

Detailed by: Roy A. Davidson **date:** 3 July 1947

Reviewed in compilation office by: Ree H. Barron **date:** 31 July 1947

Elevations on Field Edit Sheet checked by: None **date:**

STATISTICS (III)

Land Area (Sq. Statute Miles): 18.6 sq. miles (complete detail)
9.0 " (skeleton detail)

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

Shoreline (Less than 200 meters to opposite shore): 20.3 statute miles
(measured along centerline of rivers)

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: 33

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:

MAP T- 8816 PROJECT NO. Ph-13(46) SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	REMARKS ~~FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)~~
P 323 (USE), 1939	USE	N. A. 1927	44° 55' 53.617"	1655.1	(197.0)				Used in Rad. Pl.
			123 06 06.464	141.7	(1173.9)				
SALEM OREGON ST. HOSP. ELEV. W. T., 1940	G 4774 page 543	"	44° 56' 20.033"	618.4	(1233.7)				Not used in Rad.Pl.
			123 00 02.268	49.7	(1265.8)				
SALEM, OREGON ST. HOSP. FLAG POLE, 1940	"	"	44° 56' 21.142"	652.6	(1199.5)				" "
			123 00 13.433	294.5	(1021.0)				
SALEM, KSIM RADIO TOWER, 1940	" page 544	"	44° 56' 53.214"	1642.7	(209.5)				Used in Rad. Pl.
			123 02 46.408"	1017.4	(298.0)				
SALEM, MONARCH FOODS W. T., 1940	" page 542	"	44° 57' 08.889"	274.4	(1577.7)				" "
			123 02 10.305	225.9	(1089.4)				" "
SALEM, WESTERN PAPER CONVERTING CO. W.T., 1940	"	"	44° 56' 59.059"	1823.1	(29.0)				Not used in Rad.Pl.
			123 02 15.576	341.5	(973.9)				
SALEM CITY HALL METAL POLE ON TOP, 1940	" page 541	"	44° 56' 30.664"	946.6	(905.6)				" "
			123 02 07.112"	155.9	(1159.6)				
SALEM LINEN WAREHOUSE W. T., 1940	page 542	"	44° 57' 16.044"	495.3	(1356.9)				Used in Rad. Pl.
			123 00 55.871	1224.7	(90.5)				
SALEM, FIRST METH. CHURCH SPIRE, 1940	" page 541	"	44° 56' 20.770"	641.1	(1211.0)				" "
			123 02 03.230	70.8	(1244.7)				
SALEM, OREG. PULP & PAPER CO. BLK. POINTED STK., 1940	" page 542	"	44° 56' 22.769"	702.9	(1149.3)				" "
			123 02 34.048	746.5	(569.0)				
CAPITOL, 1940	page 534	"	44° 56' 19.258"	594.5	(1257.7)				Not used in Rad.Pl.
			123 01 45.175	990.5	(325.1)				
SALEM, STATE HEAT. PLANT CONCRETE STACK, 1940	~~"~~ 542	"	44° 56' 08.543"	263.7	(1588.4)				" "
			123 01 35.044	768.4	(547.2)				

1 FT. = .3048006 METER

COMPUTED BY: J. L. Harris DATE March, 1947 CHECKED BY: R. A. Davidson DATE March, 1947

M-2388-12

MAP T- 8816 PROJECT NO. Ph-13(46) SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	REMARKS ~~FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)~~
✓ SALEM OREGON ST. HOSP. CYLINDRICAL TANK, 1940	G 4774 page 543	N.A. 1927	44° 56' 19.501"	602.0 (1250.2)			Not used in Rad.Pl
			123 00 00.641"	14.1 (1301.5)			
/ SALEM STATE HWY. RADIO TOWER, 1940	"	"	44° 55' 47.739"	1473.7 (378.5)			Used in Rad. Pl.
			123 00 15.613	342.4 (973.4)			
✓ SALEM AIRPORT BEACON #160,1940	G 4774 page 544	"	44° 54' 47.672"	1471.6 (380.6)			" "
			122 59 55.431	1215.9 (100.2)			
✓ SALEM DISTRICT WATER TANK, 1940	"	"	44° 55' 24.264"	749.0 (1103.1)			" "
			123 02 58.917	1292.1 (23.8)			
SALEM OREGON ST. HOSP. CONCRETE STACK, 1940	G 4774 page 543	"	44° 56' 20.934"	646.2 (1205.9)			" "
			123 00 01.484	32.5 (1283.0)			
SALEM OREGON STATE CAPITOL STATUE, ON TOP, 1940	" page 541		44° 56' 19.093"	589.4 (1262.8)			" "
			123 01 45.190	990.8 (324.7)			
SALEM, THOMAS KAY WOOLEN MILLS W. T., 1940	"	N.A. 1927	44° 56' 07.51"	231.8 (1620.3)			Not used in Rad. Pl
			123 01 33.60	736.7 (578.9)			
✓ SALEM, 1940	G 4774 page 535	"	44° 55' 48.108"	1485.0 (367.1)			" "
			123 00 14.000	307.0 (1008.7)			
✓ BARTOSZ, 1940	" page 534	"	44° 53' 30.833"	951.8 (900.4)			Used in Rad. Pl.
			122 59 28.631	628.3 (688.4)			
YAND (USE), 1936							Not searched for
PTS 34L (USGS) (USE), 1936							" "
/ SALEM, MARION CO. COURT HOUSE STATUE, 1940	G 4774 page 541	N.A. 1927	44° 56' 24.40"	753.2 (1098.9)			Not used in Rad.Pl
			123 02 06.13	134.4 (1181.1)			

1 FT. = .3048006 METER

COMPUTED BY: J. L. Harris DATE March, 1947 CHECKED BY: R. A. Davidson DATE March, 1947

M-2388-12

MAP T- 8816 PROJECT NO. Ph-13(46) SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	REMARKS ~~FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS --FORWARD---(BACK)~~
ZEPT (USE), 1936							Not searched for
K-13 (USE), 1936							Not searched for
ELI (USE), 1936							" "
U 323 (USE),1939							" "
Y 51 (USE), 1936							" "
FAG (USE), 1936							" "
GAB (USE), 1936							" "
SALEM, City INCINERATOR, BRICK STACK, 1940							Destroyed
T 323 (USE), 1939							Not searched for
S 323 (USE), 1939							" "
R 323 (USE), 1939							" "
L 339 (USE), 1939							" "

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J. L. Harris DATE March, 1947 CHECKED BY: R. A. Davidson DATE March, 1947

MAP T- 8816 PROJECT NO. Ph-12(46) SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	REMARKS ~~FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)~~
HAB (USE), 1936							Not searched for
PTS 9 (USGS), 1924							" "

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J.L. Harris DATE March, 1947 CHECKED BY: R.A. Davidson DATE March, 1947

FIELD INSPECTION REPORT
Sheet T-8816 Project Ph-13(46)

1 to 25: All information that is applicable to these side headings is given in the "Field Inspection Report Sheets T-8812 to T-8816 inclusive, Project Ph-13 (46)." This report was included in the "Descriptive Report" for Sheet T-8812, which has been forwarded.

R. A. Earle
Chief of Party

COMPILATION REPORT
Map Manuscript T-8816
Project Ph-13(46)

26. Control:

Twenty-two horizontal control stations were recovered and twelve of these stations were satisfactorily identified by the field unit in the area of this map manuscript. They were well spaced and were adequate for use in controlling the photographs during the running of the radial plot.

The horizontal control stations of all federal agencies which fall in the area of this map manuscript, have been tabulated on four sheets of Form M-2388-12 which are attached to this descriptive report. A special column headed "Remarks", has been added to the form. In this column a short note has been entered which explains the manner in which the station was used.

The published positions, of the U. S. Engineer and U. S. Geological Survey stations which were not searched for by the field unit, have not been shown in the tabulation. These stations were not plotted on the map manuscript.

27. Radial Plot:

This map manuscript is part of Radial Plot No. 2, Project Ph-13(46) which includes Map Manuscripts T-8812 to T-8816 inclusive.

The radial plot was completed in the same manner as described for Radial Plot No. 1 of this project. The methods and a complete discussion of the various operations relative to work on the photographs, templets, and map manuscripts can be found in paragraph 27 of the Descriptive Report for Map Manuscript T-8809.

28. Detailing:

Compilation was done in accordance with instructions for Project Ph-13 (46). Special care was taken to see that the requirements of paragraph 34 of the instructions were met.

The transforming printer at the Washington Office was not in proper adjustment at the time the photographs were printed and they could not be oriented in their entirety at the compilation table when radially plotting various types of pass points. Enough pass points had, however, been established during the radial plot so that each chamber of each photograph could be separately oriented. For at least two of the chambers on each photograph, it was found necessary to de-center the photograph radially, to or from the chamber being oriented, so that the radials to the pass points and horizontal control stations in the chamber would pass through their positions on the map manuscript.

Due to shadows and overhanging trees along the banks of the rivers, it was often impossible to get more than a two radial intersection, on some

of the detail ~~pass~~ points which were used to compile the shorelines. These two radial intersection points have been shown with a small circle in green ink on the reverse side of the map manuscript.

The photograph coverage was adequate and very little trouble was encountered in interpreting the planimetric details.

All planimetric details have been compiled, within a zone averaging 300 meters in width, along both shores of the Willamette River. Inshore from this area, in the Cities of Salem and West Salem, all streets and public buildings have been shown. Elsewhere on the map manuscript only skeleton planimetric details have been compiled. The detailing limits of the map manuscript were taken from the index map furnished the compilation office and are shown with a light full line in green acid ink.

This map manuscript is relatively a smooth drawing and all symbols have been drafted to conform with samples furnished the compilation office or with symbols shown on similar planimetric maps which have recently been published by the U. S. Coast & Geodetic Survey.

The heights of bluffs were indicated by the field inspector. Their location was interpreted by the compiler with the aid of the stereoscope. Shoreline features and drainage were also delineated by extensive use of the stereoscope, however, it was often necessary to detail the field inspector's interpretation of drainage through thickly wooded areas. This was done only when it was impossible to determine the location of drainage by stereoscopic examination of the photographs.

29. Supplemental Data:

The following map, which is being forwarded with the map manuscript, was used to supplement the photographs:

CITY MAP, SALEM, OREGON Scale: 1 inch equals 600 ft. (approx.) Photogrammetry Files

30. Mean High-Water Line: (River shoreline at the adopted plane of reference)

A complete discussion of this feature can be found in paragraph 7 of the Field Inspection Report, Sheets T-8812 to T-8816 inclusive. (See T-8812)

The mean high-water line (River shoreline at the adopted plane of reference) is shown by a continuous black acid ink line .008" in thickness at a plane that is a gradient between 105.2 ft. above M.S.L. (the elevation of the zero of the U.S.E. river gage at Upper Mosquito Bar) and 109.2 ft. above M.S.L. (the elevation of the U.S.E. river gage at Salem, Oregon.)

There are no marsh areas immediately bordering the shoreline.

31. Low-Water and Shoal Lines:

A small indefinite low-water area has been detailed as indicated by the field inspection unit.

The field inspection unit did not indicate any shoal areas within the limits of this map manuscript.

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

There are no details offshore from the high-water line.

33. Wharves and Shoreline Structures:

A railroad bridge and a highway bridge span the Willamette River at Salem. Notes giving data, obtained by the field units, relative to the types and clearances for these bridges have been lettered on the map manuscript. A power line crosses the Willamette River just south of Salem. The vertical clearance for this structure is also shown. A dolphin which has been selected as temporary hydrographic signal No. 1631 lies near the west limits of this map manuscript. The field unit did not indicate other dolphins in the area and none were visible upon close examination of the photographs.

34. Landmarks and Aids to Navigation:

Form 567 is being submitted recommending the charting as nautical landmarks of the following:

TANK (ELEV.)(115' high) Western Paper Converting Co. Wooden Tank
TANK (ELEV.)(130' high) Salem, Monarch Foods Co. Water Tank
STACK (Tallest of 5) ~~(90'~~ 120' high) Pulp & Paper Co. Black Stack
TANK (ELEV.)(90' high) District Water Tank

There are no fixed aids to navigation within the limits of this map manuscript.

35. Hydrographic Control:

A complete discussion of this subject can be found in paragraph 12 of the Field Inspection Report, Sheets T-8812 to T-8816 inclusive, Project Ph-13 (46), which was forwarded with the Descriptive Report for T-8812.

It is believed that a sufficient number of well located signals have been established which may be used by the hydrographic party for establishing additional signals at the time the hydrographic survey is made.

A list of thirty-three hydrographic signal sites, which fall in the area of this map manuscript, is attached to the "Field Inspection Report, Sheets T-8812 to T-8816 inclusive, Project Ph-13(46)" which has been forwarded. Hydrographic signal site No. 1613 has been erroneously described in this list as B.M. 251. The correct description is B.M. Z-51 and this correction should be made before the list of stations is furnished the hydrographic party. Correction made

36. Landing Fields and Aeronautical Aids:

A part of the Salem Municipal Airport (McNary Field) falls in the southeast area of this map manuscript.

Form 567 is being submitted recommending the charting of three aeronautical landmarks and one aeronautical aid. They are as follows:

TANK (ELEV.)	(155' high)	Oregon State Penitentiary
RADIO MAST	(215' high)	KSLM Radio Tower
RAIDO MAST	(136' high)	State Highway Radio Tower
BEACON	(85' high)	Salem Airport Airway Beacon No. 160

37. Geographic Names: 814

Geographic names are the subject of a special report, "Investigation of Geographic Names, Sheets T-8812 to T-8816 inclusive, Project Ph-13 (46)," which has been submitted. All undisputed and recommended names have been shown on the map manuscript. Geographic Names Sect. Division of Charts

Street names in Salem have been obtained from a map of the City of Salem which is being forwarded. The street names appearing on the map were verified by the field unit and the City Engineer of Salem.

38. Recoverable Topographic Stations:

Copies of Forms 524 are being submitted for the following: Photogrammetry Files

CHES, 1947	BOOM (S 323, USE, 1939, USC&GS), 1947
HALL, 1947	TANK (ELEV.), 1947 Oregon State Penitentiary
TRES, 1947	

39. Junctions:

A complete and satisfactory junction has been made between map manuscripts T-8815 and T-8816.

40. Bench Marks:

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

44. Comparison with Existing Topographic Surveys:- Quadrangles

See record sheet which accompanies each map manuscript.

45. Comparison with Nautical Charts:

There are no nautical charts of the area.

Approved and forwarded:

Robert A. Earle

Robert A. Earle
Chief of Party

Respectfully submitted:
11 September 1947

J. Edward Deal Jr.

J. Edward Deal, Jr.
Photogrammetric Engineer

Form 567
Rev. March 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Proje[illegible] Ph-13(46)
T-8816

LANDMARKS FOR CHARTS (Aeronautical)

Original to 88

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

Portland, Oregon 16 September, 1947

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

The positions given have been checked after listing. J.E.Weal

R. A. Earle *Chief of Party.*

GENERAL LOCALITY SALEM, OREGON

NAME AND DESCRIPTION	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM						
	° ′	D. M. METERS	° ′	D. P. METERS							
TANK (Elev.)(155' high) at the Oregon State Penitentiary	44 56	(1837.5) 14.7	122 59	(736.6) 579.1	N.A. 1927	Radial Plot	3-3-47				W-1
RADIO MAST (215' high) KSIH Radio Tower	44 56	(209.5) 1642.7	123 02	(298.0) 1017.4	"	Triangu-lation	1940				"
RADIO MAST (136' high) State Highway Radio Tower	44 55	(378.5) 1473.7	123 00	(973.4) 342.4	"	"	"				"
BEACON (85' high) Salem Airport Airway Beacon No. 160	44 54	(380.6) 1471.6	122 59	(100.2) 1215.9	"	"	"				"
STACK (150' high) Oregon State Hospital Concrete Stack	44 56	(1206.0) 646.2	123 00	(1283.2) 32.5	"	"	"				Reported to 88

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

U. S. GOVERNMENT PRINTING OFFICE 69675

Form 567
Rev. March 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Project No. 7h-13(46)
T-8816
original to 83

LANDMARKS FOR CHARTS

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

Portland, Oregon — 10 September 1947

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

The positions given have been checked after listing. K.W.Dial

R. A. Earle *Chief of Party.*

GENERAL LOCALITY: SALEM, OREGON

NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE			LONGITUDE		DATUM						
	° ′	D. M. METERS		° ′	D. P. METERS							
TANK (Elev.)(115ft. high) Western Paper Coverting Co. Wooden Tank	44 56	(29.0) 1823.1		123 02	(973.9) 341.5	N.A. 1927	Triangulation	1940		x		Area not charted
TANK (Elev.)(130ft. high) Salem, Monarch Foods Co. Water Tank	44 57	(1577.7) 274.4		123 02	(1089.4) 225.9	"	"	"		x		"
STACK (Tallest of 5)(~~90~~ 120ft. high) Pulp & Paper Co. Black Stack	44 56	(1149.3) 702.9		123 02	(569.0) 746.5	"	"	"		x		"
TANK (Elev.)(90ft. high) District Water Tank	44 55	(1103.1) 749.0		123 02	(23.8) 1292.1	"	"	"		x		"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

U. S. GOVERNMENT PRINTING OFFICE 69675

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8816

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

28. Detailing.-

Corrections, made by the reviewer, were limited to the shoreline and the offshore limits of marsh. Apparently Field Memorandum No. 1, 1938, was not taken into consideration by the compiler, since the offshore limits of marsh had been shown by a heavy line.

Field inspection notes that were omitted on the map manuscript have been added by the reviewer.

35. Hydrographic Control.-

A number of temporary hydrographic stations were re-cut and all of them held within the prescribed limits of accuracy with one exception. An intersection could not be made for No. 1633. This station is the top of center pole of powerline crossing, S. side of river, which could not be positively identified on the photographs. The station has been deleted from the map manuscript and an explanatory note has been added to the list of hydrographic signals filed in Descriptive Report T-8812.

36. Landing Fields and Aeronautical Aids.-

One aeronautical landmark reported on Form 567 has been added to the map manuscript. The original of Form 567 has been forwarded to Aeronautical Charts.

44. Comparison with Existing Topographic Quadrangles.-

A comparison was made with the following quadrangles:

USGS, Salem, Ore., 15' quadrangle, 1917, scale 1:62,500
USE, Salem, Ore., 15' quadrangle, 1939, scale 1:62,500
USE, Salem, Ore., 15' quadrangle, 1947, scale 1:50,000

The overhead cable crossings do not appear on the quadrangles.

For further information see Record Sheet.

45. Comparison with Nautical Charts.-

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

Reviewed by:

B. Thomas Hynson
11-28-47

Reviewed under direction of:

S. V. Griffith 12/9/47
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

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

City limits for the city of Salem, Oregon were obtained from the "City Map - Salem, Oregon dated 2-27-47 (Office of City Engineer.) 6/4/48

Street names corrected from above map.

GEOGRAPHIC NAMES

Survey No. T-8816

1 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Oregon									USGB	1
Marion County										2
Polk County										3
Willamette River									USGB	4
Southern Pacific										5
Oregon Electric										6
Bonneville Power Administration Transmission Line										7
U.S. 99E	Pacific Highway East									8
State No. 22	Salem Dallas Highway									9
State No. 211	Silverton Road									10
219	Salem Newberg Highway									11
221	Dayton Salem Highway									12
222										13
										14
										15
Salem										16
Garden Road										17
Gesner										18
Four Corners										19
Penitentiary Ditch Hollywood										20
Labor Exchange Bar										21
Salem Bar										22
West Salem Bar										23
Minto Island										24
Brown Island										25
Traglio Bar										26
Salem Golf Course										27

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GEOGRAPHIC NAMES

Survey No. T-8816

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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	
Winona										1
Pinckney										2
West Salem										3
Chapman Hill										4
Chapman Corners										5
Mountain View School Dist. No. 61										6
Spring Valley Road										7
Brush College										8
Grice Hill										9
Crystal Spring										10
Winslow Gulch										11
Gibson Gulch										12
Glenn Creek										13
Orchard Heights Road										14
										15
Oregon State Fair Grounds										16
Fair Grounds Station										17
Oregon State Hospital										18
Oregon State Penitentiary										19
Salem Municipal Airport (McNary Field)										20
Mill Creek										21
Pringle Creek										22
Pringle Road										23
Liberty Road										24
Salem Hieghts										25
St. Barbara Cemetery										26
Pettijohn Creek										27

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GEOGRAPHIC NAMES

Survey No. T-8816

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	
State Capitol										1
Bush's Park										2
Calvary Baptist Church										3
Oregon State School for the Blind										4
Leslie ~~Intm~~ Junior High School										5
City View Cemetery										6
McKinley School										7
Bush's Elementary School										8
Willamette Universaity										9
First Methodist Church										10
Washington School										11
First Presbyterian Church										12
Salem City Hall										13
Marion County Court House										14
Methodist Old Peoples Home										15
Sacred Hear Academy										16
Salem High School										17
First Evangelical Church										18
Garfield School										19
First Baptist Church										20
J.L. Parrish Junior High School										21
Grant School										22
St Vincent De Paul School										23
Highland School										24
Oregon State School for the Deaf										25
Oregon Department of Forestry										26
Richmond School										27

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GEOGRAPHIC NAMES

Survey No.

T-8816

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	
Supreme Court										1
State Department of Agriculture										2
State Library										3
State Office Building										4
Salem Station (Passenger)										5
Lee Mission Cemetery										6
Englewood Elementary School										7
Highway Engineering Laboratory										8
										9
Paulus Cannery Co.										10
Salem Western Paper Converting Co.										11
Salem Monarch Foods										12
Salem Alumina Co.										13
Willamette Slough	From	Salem	city	map						14
Salem General Hospital	"	"	"	"						15
										16
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										27

Names underlined in red are approved.

2/6/48. L. Heck.

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