

8658
8659

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

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric Air Photographic
	T-8658 &
Field No.	Office No. T-8659 ✓
LOCALITY	
State	OREGON
General locality	Columbia County
Locality	Scappoose and Jackson Slough
194 7	
CHIEF OF PARTY	
R. A. Earle	
LIBRARY & ARCHIVES	
DATE	Dec 3 - 1947

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Columbia County, Oregon
LOCALITY Scappoose, Oregon
9-24, 26, 1945
PHOTOS ORDERED Aug. 1945 REC'D 1-21-46
PROJECTION ORDERED June, '46 REC'D 7-16-46

SHEET NO. T-8658
PROJECT NO. CS-322
SCALE 1:8000

CONTROL:

COMPUTED Bunce VERIFIED Harris

PLOTTED Bunce VERIFIED Letson

PHOTO PREPARATION:

CONTROL Sherwood

AZIMUTHS Davison

PASS POINTS Bunce, Davison
Davison

TEMPLATES Elrod VERIFIED Harris

RADIAL PLOT: Davison

PLOTTED BY Harris DATE 11-18-46

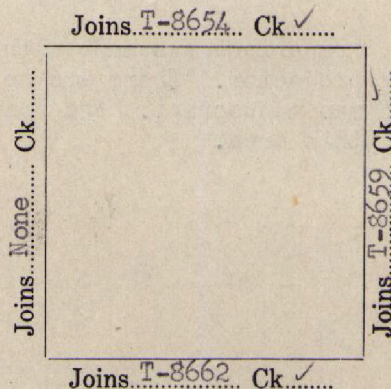
VERIFIED J. E. Deal DATE 11-19-46

COMPILATION:

DETAIL POINTS Davison DATE 11-22-46

DETAIL BY Davison DATE 12-23-46

VERIFIED BY R. H. Barron DATE 1-16-47



361 to 364 Inc. 6-30-45
DATE OF PHOTOS 1376 to 1378, 7-10-45

TIME OF PHOTOS 361 to 364, 10:20
1376 to 1378, 10:30

STAGE OF TIDE

361 to 364, 11.9 ft. above M.L.W.
1376 to 1378, 9.9 ft. above M.L.W.

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

Due to scale difference only a visual comparison was made with the ^{USE} ~~USGS~~ St. Helens, Oregon-Washington, 15 min. quadrangle, Scale: 1:62500. The following differences were noted: Many new roads have been constructed and buildings erected, just east of Scappoose, since the quadrangle map was made. The Clark & Wilson logging railroad which is shown on the quadrangle map, has been abandoned. The water level (over)

REMARKS

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

FORWARDED TO Washington Office DATE 18 February 1947

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

M-2305-12

COMPARISONS (continued)

of Scappoose Bay as shown on the quadrangle maps is higher than that shown on the map manuscript; and a new airport has been built northeast of Scappoose. Elsewhere, the planimetry which is common to the map manuscript and quadrangle map is in agreement.

Comparison was made with nautical chart no. 6154 by use of the vertical projector. There are no navigable waters within the area covered by the map manuscript. The road system shown on the chart is now obsolete in this area.

DATA RECORD

T- 8658

Quadrangle (II): SCAPPOOSE, OREGON
(3 minute)

Project No. (II): CS-322

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

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

Instructions dated (II III): July 12, 1945
Supplemental Instructions: Aug. 29, Sept. 10,
Oct. 25, Nov. 30 and Dec. 6, 1945

Copy filed in Descriptive
~~Report No. T-~~ (VI)
Div. Photogram. Off. Files

Completed survey received in office: 24 Feb. 1947

Reported to Nautical Chart Section: -

Reviewed: 13 June, 1947 Applied to chart No. Date:

Redrafting Completed: 21 Aug. 1947

Registered: ^{Dec} 6 Nov 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): AIRPORT, 1946

Lat.: 45° 46' 15.618" (482.2m) Long.: 122° 51' 33.113" (715.5m) Adjusted
Unadjusted X

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.

J.E.W.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
361 to 364 Inc.	6-30-45	10:20	1:17000 contact 1: 8000 ratio	11.9 ft. above M.L.W.
1376 to 1378 "	7-10-45	10:30	"	9.9 ft. " "

Daily readings of the U. S. Engineers tide gauge located at Government Moorings on the west shore of the Willamette River just south of St. John's Bridge. The 0+00 of the Tide from (III): 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, focal length 12 inches

Field Inspection by: See remarks, page 3.

date:

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

date: Jan., 1947

Date of Mean High-Water Line Location (III): Nov. 21, 1945
Note: According to supplemental instructions dated Sept. 10, 1945, a high-water line of 5.0 ft. above Mean Low-Water is to be shown on the map manuscripts. Photographs made on Nov. 21, 1945, were taken when the water level was 4.9 ft. above M.L.W.

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

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

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

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

Radial Plot by: James L. Harris & Roy A. Davidson date: Nov. 19, 1946

Detailed by: Mary Davison date: Dec. 23, 1946

Reviewed in compilation office by: Ree H. Barron date: Jan. 16, 1947
Corrections and changes after field edit by: Marie B. Elrod date: Feb. 13, 1947
Review after changes due to field edit by: Roy A. Davidson date: Feb. 14, 1947
Elevations on Field Edit Sheet
checked by: Charles Hanavich, Topo. Engineer date: Jan., 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 6.0

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

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

Number of Recoverable Topographic Stations established: None

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: May, 1946

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

Recovery of Horizontal Control by: J. C. LaJoye, Prin. Photo. Aid date: June, 1946

Recovery of Vertical Control by: J. H. Winniford date: Oct., 1946

Investigation of Geographic Names
and Civil Boundaries by: L. E. Ervast, Photo. Aid date: June, 1946

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Columbia County, Oregon

LOCALITY Jackson Slough

PHOTOS ORDERED Aug. 1945 REC'D 9-24, 26-45
1-21-46

PROJECTION ORDERED June '46 REC'D 7-16-46

CONTROL:

COMPUTED Bunce VERIFIED Harris

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:

CONTROL Sherwood Harris

AZIMUTHS Davidson

PASS POINTS Harris, Davidson
Elrod

TEMPLATES Bunce VERIFIED Davidson

RADIAL PLOT: Davidson

PLOTTED BY Harris DATE 11-18-46

VERIFIED Deal DATE 11-19-46

COMPILATION:

DETAIL POINTS Letson DATE 11-21-46

DETAIL BY Letson DATE 1-9-47

VERIFIED BY Barron DATE 1-16-47

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

Due to scale difference only a visual comparison was made with the ~~USE~~ USGS St. Helens, Oregon-Washington, 15 min. quadrangle, Scale: 1:62500. The planimetry which is common to the map manuscript and quadrangle map is in agreement. Comparison was made with a black line print on clear acetate of Topographic Survey No. 6617a, made in October, 1938, at a Scale of 1:10000 and enlarged to a scale of 1:8000.

(over)

REMARKS

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

FORWARDED TO Washington Office DATE 18 February 1947

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

M-2305-12

SHEET NO. T-8659

PROJECT NO. CS-322

SCALE 1:8000

Joins T-8655 Ck ☒

Joins T-8658 Ck ☒

Joins T-8660 Ck ☒

Joins T-8663 Ck ☒

DATE OF PHOTOS See reverse side

TIME OF PHOTOS "

STAGE OF TIDE "

COMPARISONS (cont'd.)

The shoreline which is common to the topographic survey and the map manuscript is in excellent agreement.

Comparison was made with Nautical Chart No. 6154, Scale; 1:40000 by use of the vertical projector. In general the shoreline of the Multnomah Channel is in agreement between the chart and the map manuscript. Extensive drainage operations west of the Multnomah Channel have made the chart obsolete in that area. The location of the Gilbert River is in error on the chart between Lat. $45^{\circ} 45'$ and Lat. $45^{\circ} 46'$. The ponds shown on Sauvie Island on the chart do not agree with present conditions.

PHOTOGRAPH DATA

Number	Date	Time	Scale	Stage of Tide
			1:17000 contact	
328 to 331	Inc. 6-30-45	9:50	1: 8000 ratio	11.9 ft. above M.L.W.
439 to 441	" 6-30-45	11:30	"	11.9 ft. " "
535 to 537	" 6-30-45	13:00	"	11.9 ft. " "
3505 to 3508	" 11-21-45	13:45	"	4.9 ft. " "
3518 to 3521	" 11-21-45	13:45	"	4.9 ft. " "
3639 to 3641	" 11-21-45	15:00	"	4.9 ft. " "

DATA RECORD

T- 8659

Quadrangle (II): JACKSON SLUGH, Columbia Co., Project No. (II): CS-322
Oregon (3minute)

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
Supplemental Instructions: Aug. 29, Sept. 10, ~~Report No. IV~~ (VI)
Oct. 25, Nov. 30 and Dec. 6, 1945 Div. Photogram. Office Files

Completed survey received in office: 24 Feb. 1947

Reported to Nautical Chart Section: -

Reviewed: 25 June 1947 Applied to chart No. Date:

Redrafting Completed: 11 July 1947

Registered: 6 ^{Dec} ~~Nov~~ 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): WATTS, ORE., 1938 r1946

Lat.: 45° 46' 21.76" (671.8m) Long.: 122° 48' 59.13" (1277.6m) 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.

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PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
			1:17000 contact	
328 to 331 Inc.	6-30-45	9:50	1: 8000 ratio	11.9 ft. above M.L.W.*
439 to 441 "	6-30-45	11:30	"	11.9 ft. " "
535 to 537 "	6-30-45	13:00	"	11.9 ft. " "
3505 to 3508 "	11-21-45	13:45	"	4.9 ft. " "
3518 to 3521 "	11-21-45	13:45	"	4.9 ft. " "
3639 to 3641 "	11-21-45	15:00	"	4.9 ft. " "

Daily readings of the U. S. Engineers tide gauge located at Government Moorings on the west shore of the Willamette River just south of St. John's 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, focal length, 12 inches.

Field Inspection by: See remarks, page 3.

date:

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

date: Jan., 1947

Date of Mean High-Water Line Location (III): Nov. 21, 1945

Note: According to supplemental instructions dated Sept. 10, 1945, a high-water line of 5.0 ft. above Mean Low Water is to be shown on the map manuscripts. Photographs made on Nov. 21, 1945, were taken when the water level was at 4.9 ft. above M. L. W.

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

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

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

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

Radial Plot by: James L. Harris & Roy A. Davidson date: Nov. 19, 1946

Detailed by: Helen L. Letson date: Jan. 9, 1947

Reviewed in compilation office by: Ree H. Barron date: Jan. 16, 1947

Corrections and changes after field edit by: Marie B. Elrod date: Feb. 12, 1947

Review after changes due to field edit by: Roy A. Davidson date: Feb. 13, 1947

Elevations on Field Edit Sheet

checked by: None

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 7.0

Shoreline (More than 200 meters to opposite shore): 9.4 statute miles

Shoreline (Less than 200 meters to opposite shore): 6.0 statute miles

Number of Recoverable Topographic Stations established: 2

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: May, 1946
Shoreline Inspection by:	J. C. LaJoye, Frin Photo. Aid	date: May, 1946
Recovery of Horizontal Control by:	J. C. LaJoye	date: June, 1946
Recovery of Vertical Control by:	None	
Investigation of Geographic Names and Civil Boundaries by:	L. E. Ervast, Photo. Aid	date: June, 1946

FIELD INSPECTION REPORT

T-8658 and T-8659

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 Fourth Radial Plot", which was enclosed with the Descriptive Report for Quadrangles T-8669 and T-8670. This Descriptive Report has been submitted.

Approved by:

Robert A. Earle

Robert A. Earle
Chief of Party

Respectfully submitted:

Charles Hanavich

Charles Hanavich
Topographic 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-8658 and T-8659
PROJECT CS-322

26. Control:

At the time this project was started there were nine horizontal control stations in the area of these two map manuscripts. Four of these were recovered and identified for use in the radial plot. The field unit established one new triangulation station in the area of T-8658.

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 Fourth Radial Plot". This report was included with the descriptive report for Map Manuscripts T-8669 and T-8670 which was forwarded on 8 January 1947.

→ *Filed in Div. Photogram. General Files, under "Sp'l. Rpts."*

The supplemental horizontal control stations which were established in this area are listed in a tabulation attached to a special report, "Third-Order Triangulation and Traverse, Project CS-322, Area of the Fourth Radial Plot", which has been forwarded.

→ *Filed in Library & Archives under G-6785*

27. Radial Plot:

The facts concerning the radial plot for the area of these two map manuscripts have been fully covered in the "Descriptive Report, Fourth Radial Plot, Project CS-322". This radial plot report was included with the descriptive report for Map Manuscripts No's. T-8669 and T-8670, which was submitted to the Washington Office on 8 January 1947.

→ *Filed in Div. of Photogram. General Files, under "Sp'l. Rpts."*

28. Detailing:

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

The photography was adequate. The re-flight photographs made on 21 November 1945, were helpful in determining the high-water line and other shoreline details. They were not satisfactory for accurately determining the detail falling in the outer limits of the photograph or for orientation and use in the radial plotting of the minor pass points. 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:

There was no supplemental data used in the area of these two map manuscripts.

30. Mean High-Water Line:

The mean high-water line was detailed from information submitted by the field parties and from stereoscopic examination of the photographs. Most of the shoreline data is shown on field photographs taken on 21 November 1945. The mean high-water line, bordering firm ground, is shown by a continuous heavy-weight black acid ink line, at a plane five feet above the U. S. Engineers low-water datum, which is 1.29 feet above the mean sea level. The mean high-water line bordering marsh or mud, is shown with a continuous light-weight black acid ink line at the same plane.

31. Low-Water and Shoal Lines:

The field unit did not indicate any low-water or shoal areas within the limits of these two map manuscripts.

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

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

33. Wharves and Shoreline Structures:

Piers, wharves, dolphins, dikes, etc., have been shown.

34. Landmarks and Aids to Navigation:

There are no landmarks or fixed aids to navigation within the area of these two map manuscripts.

35. Hydrographic Control:

In the area of T-8659 two recoverable topographic stations were established along Multnomah Channel, which can be used during future hydrographic surveys to supplement the existing horizontal control stations in the area.

The first radial plot was made on the basis of the survey of the area of the first radial plot. The second radial plot was made on the basis of the survey of the area of the second radial plot.

The third radial plot was made on the basis of the survey of the area of the third radial plot. The fourth radial plot was made on the basis of the survey of the area of the fourth radial plot.

The fifth radial plot was made on the basis of the survey of the area of the fifth radial plot. The sixth radial plot was made on the basis of the survey of the area of the sixth radial plot.

The seventh radial plot was made on the basis of the survey of the area of the seventh radial plot. The eighth radial plot was made on the basis of the survey of the area of the eighth radial plot.

The ninth radial plot was made on the basis of the survey of the area of the ninth radial plot. The tenth radial plot was made on the basis of the survey of the area of the tenth radial plot.

The eleventh radial plot was made on the basis of the survey of the area of the eleventh radial plot. The twelfth radial plot was made on the basis of the survey of the area of the twelfth radial plot. The thirteenth radial plot was made on the basis of the survey of the area of the thirteenth radial plot. The fourteenth radial plot was made on the basis of the survey of the area of the fourteenth radial plot. The fifteenth radial plot was made on the basis of the survey of the area of the fifteenth radial plot.

T-86 58
11 new; 8 plotted

The sixteenth radial plot was made on the basis of the survey of the area of the sixteenth radial plot. The seventeenth radial plot was made on the basis of the survey of the area of the seventeenth radial plot. The eighteenth radial plot was made on the basis of the survey of the area of the eighteenth radial plot.

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

The nineteenth radial plot was made on the basis of the survey of the area of the nineteenth radial plot. The twentieth radial plot was made on the basis of the survey of the area of the twentieth radial plot. The twenty-first radial plot was made on the basis of the survey of the area of the twenty-first radial plot.

The twenty-second radial plot was made on the basis of the survey of the area of the twenty-second radial plot. The twenty-third radial plot was made on the basis of the survey of the area of the twenty-third radial plot. The twenty-fourth radial plot was made on the basis of the survey of the area of the twenty-fourth radial plot.

The twenty-fifth radial plot was made on the basis of the survey of the area of the twenty-fifth radial plot. The twenty-sixth radial plot was made on the basis of the survey of the area of the twenty-sixth radial plot. The twenty-seventh radial plot was made on the basis of the survey of the area of the twenty-seventh radial plot. The twenty-eighth radial plot was made on the basis of the survey of the area of the twenty-eighth radial plot. The twenty-ninth radial plot was made on the basis of the survey of the area of the twenty-ninth radial plot.

36. Landing Fields and Aeronautical Aids:

Columbia County Airport falls entirely in the area of T-8658. There are no aeronautical aids within the limits of the two map manuscripts.

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 Fourth Radial Plot", which was forwarded on 8 January 1947.

→ *Filed in Geographic Names Section, Div. of Charts*

38. Recoverable Topographic Stations:

In the area of Map Manuscript T-8659 copies of Forms 524 are being submitted for the following:

MOOR, 1947
Dolphin

NELL, 1947
Dolphin

39. Junctions:

Complete and satisfactory junctions have been made between Map Manuscripts T-8658 and T-8659, and with adjoining map manuscripts.

40. Bench Marks:

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

41. Donation Land Claim and Section Lines:

← Donation land claim 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.

Filed with map manuscript

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:
18 February 1947

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

FIELD EDIT REPORT
Quadrangles T-8658 and T-8659
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 omissions or drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by notes. The additional names of roads were obtained and the spelling verified from official road signs. Several buildings, roads, and drainage ditches, which were recently constructed were located by planetable methods or field measurements on the field photographs or the ozalid prints. Other minor changes, omissions, and deletions were noted and corrected.

In T-8659, all offshore and shoreline features were checked. Several additions and corrections were noted. Inland the numerous marsh, pond and lake areas appear to have been delineated correctly on both sheets. It is to be noted that the low areas, which are unprotected by dikes and terrain relief, become inundated when the sloughs, ponds, et cetera, overflow during the annual freshets. Areas enclosed by dikes are not subject to these severe flood conditions as the drainage is carefully controlled by pumping stations and dredged ditches. For additional information refer to side headings 1 and 7 of the "Field Inspection Report, Area of the Fourth Radial Plot, Project CS-322".

In accordance with the field edit instructions, these map manuscripts were examined for completeness and accuracy in regard to geographic names, boundaries, public land lines, and detail by Mr. D. C. Slaght, City and County Engineer, St. Helens, Oregon. The geographic names in this area have been reviewed by Mr. Lewis A. McArthur, Collaborator for the U. S. Coast and Geodetic Survey.

48. Accuracy Tests:

No horizontal accuracy tests were run in this area. For map accuracy tests near the area of these map manuscripts refer to the field edit reports for T-8651, T-8654 and T-8655.

49. Bench Mark Elevations:

The elevations of the bench marks in T-8658 have been checked. Some of the elevations at the USO&GS bench marks are unadjusted elevations and are subject to change when adjusted. There were no bench marks in T-8659.

50. Donation Land Claim 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: (Not listed in Geographic Names Report) *4*

Honeymoon Station - an obsolete name in T-8658.

This name as it appears on the Corps of Engineers St. Helens Quadrangle (1:62500) was the designation of a railroad station which is no longer in existence. It is recommended that the name be deleted. It has not been shown on the map manuscript. The following individuals also have verified the obsolescence of this name:

Messrs. C. F. Thomas and L. E. Swan
Engineers for the S.P. & S. R.R.
1101 N. W. Hoyt Street
Portland, Oregon

Mr. R. Tarbell, County Judge
Columbia County Court House
St. Helens, Oregon

Field Edit reviewed by:

Charles Hanavich
Charles Hanavich,
Topographic Engineer

Field Edit by:

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

Approved by:

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

Division of Photogrammetry
Review Report of
Planimetric Map Manuscript T-8658

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

28. Detailing.

The Columbia County Airport was incorrectly compiled. The width of the runway was not uniform and the warm-up apron did not agree with the field inspection. The necessary adjustments were made by the reviewer.

Several changes were made in stream and woodland delineation.

The offshore limits of wooded marsh were changed from a dashed line to a thin solid line.

41. Donation Land Claim and Section Lines.

Corrections were made to two Donation Land Claim boundaries. They have been shown in brown acid ink.

44. Comparison with Existing Topographic Surveys.

U. S. E. St. Helens, Ore.-Wash., 15' 1:62,500

The comparison between this quadrangle and T-8658 is adequately described on the Record Sheet attached to this Descriptive Report.

45. Comparison with Nautical Charts.

6154 1:40,000 1945

This manuscript has not been applied to nautical charts.

Reviewed by:

B. Thomas Hynson
B. Thomas Hynson
13 June 1947

and

Harold R. Brooks
Harold R. Brooks
23 June 1947

Reviewed under direction of:

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

APPROVED BY:

P. J. Jones 11/47
Technical Assistant to the
Chief, Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry

J. H. Sturges
Chief, Nautical Chart Br.
Division of Charts

Chief, Div. of Coastal Surveys

41. Letter to Portland, dated 6-27-47,
questioned 5 claims as original D.L.C's. →
Reply dated 7-14-47 accompanying and original print
contained verification of claims as D.L.C.'s New claims
added to the map manuscript 7-24-47

P.S. Corrections extended to T-8655, T-8658 and T-8663
JB.

Division of Photogrammetry
Review Report of
Planimetric Map Manuscript T-8659

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

28. Detailing.

Considerable re-interpretation of drainage features was required to rectify inconsistent delineation.

41. Donation Land Claim and Section Lines.

Section lines were adjusted approximately to the positions they occupied on the General Land Office plats.

The Donation Land Claim boundary line was reconstructed around the B. M. Watts tract.

44. Comparison with Existing Topographic Surveys.

Comparisons were made with the following (A) Previous Surveys and (B) Quadrangle, and planimetry in all common areas is superseded by T-8659:

A. Previous Surveys

T-1542	1:10,000	1882
T-6617	1:10,000	1938

B. Quadrangle

U. S. E. St. Helens, Ore.-Wash., 15' 1:62,500

45. Comparison with Nautical Charts.

6154	1:40,000	1945
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An adequate description of the comparison appears on the Record Sheet attached to this Descriptive Report. This manuscript has not been applied to nautical charts.

Reviewed by:

B. Thomas Hynson
B. Thomas Hynson
Photogrammetrist
18 June 1947

Reviewed under direction of:

and

Harold R. Brooks
Harold R. Brooks
Photogrammetrist
25 June 1947

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

APPROVED BY:

B. J. Jones 11/47
Technical Assistant to the
Chief, Div. of Photogrammetry

Alfred [unclear]
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

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

GEOGRAPHIC NAMES

Survey No. T-8658-59

GEOGRAPHIC NAMES		Survey No. T-8658-59									
		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
1	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Both sheets: Oregon</u>									1	
	<u>Columbia County</u>									2	
	<u>Jackson Slough</u>									3	
	<u>Scappoose Creek</u>									4	
	<u>Dike Road</u>									5	
	<u>P.G.E. Power Line</u>									6	
	<u>Honeyman Road</u>									7	
										8	
										9	
	<u>T-8658:</u>									10	
	<u>Scappoose</u>									11	
	<u>E.M. Warren Road</u>									12	
	<u>Congregational Community Church</u>									13	
	<u>Scappoose Union High School</u>									14	
	<u>U.S. No. 30</u>									15	
	<u>Bonneville Power Administration Transmission Line</u>									16	
	<u>Spokane Portland and Seattle</u>									17	
	<u>J.P. West Road</u>									18	
	<u>Grace Lutheran Church</u>									19	
	<u>Scappoose Assembly of God Church</u>									20	
	<u>Honeyman Road</u>									21	
	<u>Scappoose Depot</u>									22	
	<u>West Lane</u>									23	
	<u>White Road</u>									24	
	<u>West Coast Shoe Factory</u>									25	
	<u>Bell Crest Road</u>									26	
	<u>Gilmore Road</u>									27	

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GEOGRAPHIC NAMES

Survey No.

T-8658-59

GEOGRAPHIC NAMES											
Survey No.											
T-8658-59											
Name on Survey		A	B	C	D	E	F	G	H	K	
2											
	<u>T-8658 (continued)</u>										1
	<u>South Scappoose Creek</u>										2
	<u>North Scappoose Creek</u>										3
	<u>Columbia County Airport</u>										4
	<u>Harry West Road</u>										5
	<u>Fullerton Road</u>										6
	<u>Honeyman Creek</u>										7
	<u>Watts Road</u>										8
											9
											10
	<u>T-8659:</u>										11
	<u>Sauvie Island</u>										12
	<u>Multnomah Channel</u>										13
	<u>Gilbert River</u>										14
	<u>Sturgeon Lake</u>										15
	<u>Honeyman Road</u>										16
	<u>Evans Slough</u>										17
	<u>Wendts Island</u> <i>Watts</i>										18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved
by L. Heck at 5/1/47

M 234

Names underlined in red approved
by L. Heck of 5/1/47

KTA
7TV
78

POST-OFFICE ADDRESS:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
c/o Swan Island Postal Station
Portland 18, Oregon



TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

10 July 1947

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

From: Lt. Comdr. R. A. Earle

Subject: Review of Map Manuscript T-8658

The changes of the land lines in T-8658, recommended by the Washington Office, have been investigated. It was found that the changes were minor and are necessary to tie into the extension of these lines on adjoining map manuscripts. As they do not contradict any planimetry shown on the map, such as fence lines, they are accepted.

This office had completed the smooth draft work on T-8658 prior to the Washington Office Review of the map manuscript. We will hold the smooth draft sheet and the ozalid print showing the corrections to the land lines until the map manuscript is received in order that all corrections can be completed in this office.

Note → It is requested that the map manuscript for this sheet, also the ones for Quadrangles T-8654 and T-8701, be forwarded immediately. All smooth draft work on these sheets has been completed, except for the minor corrections, and the map manuscripts are needed for that purpose.

Sent Sent. 7/14/47

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

Returned 8/4/47

RAE/gw

KTA

741000

78 JB

POST-OFFICE ADDRESS:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
c/o Swan Island Postal Station
Portland 18, Oregon



TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

14 July 1947

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

From: Lt. Comdr. R. A. Earle

Subject: Review of Map Manuscript T-8659

Reference: Your Letter, 78-aar, dated 27 June 1947

The recommended changes and additions to the land lines, made by the Washington Office during the review of Map Manuscript T-8659, have been investigated.

It has been found that the five names suggested as donation land claims are original claims, however, the G.L.O. plats, which were furnished this office, did not contain any information on four of these claims and only meager information on the Nelson Hoyt claim.

All knowledge of these claims was denied, when they were reinvestigated in the Columbia County Courthouse, and it was only through the cooperation of the Assessor of Columbia County and the persistence of the investigator in searching through very old records, that they were found.

Two of these new claims extend south into T-8663 and a copy of an advance print of this map manuscript is being forwarded showing these two claims in red crayon pencil. An ozalid print of T-8659 is being forwarded which contains complete information on all five claims. Corrections will be made to the Nelson Hoyt claim in T-8654 and T-8658 at the compilation office. It will be necessary for the Washington Office to add part of the claim to Map Manuscript T-8655.

Evidently the field man used existing detail which appeared on Photograph 438 to determine the location of the B. M. Watts D.L.C. meander line. This subject was discussed in the last paragraph of my letter, dated 10 July 1947, relative to the review of Map Manuscript T-8669.

R. A. Earle

R. A. Earle
Chief of Party

RAE/gw