<table>
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<th>Type of Survey</th>
<th>Planimetric Air Photographic</th>
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<tr>
<td>Field No.</td>
<td>T-8684</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-8685</td>
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</tbody>
</table>

**LOCALITY**

State: Oregon & Washington

General locality: Columbia River

Locality: Camas, Washington

Government Island, Lady Island

**1946**

**CHIEF OF PARTY**

R. A. Earle

**LIBRARY & ARCHIVES**

**DATE** December 16, 1947
RECORD SHEET

GENERAL LOCALITY Columbia River, Ore.-Wash.

LOCALITY Government Island, Ore.
Nov. 1945  REC'D. Jan. 21, 1946

PHOTOS ORDERED  REC'D. Aug. 1945  REC'D. Sept. 24, 1945

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

CONTROL: Computed Harris  VERIFIED Myers

PLOTTED Letson  VERIFIED Bance

PHOTO PREPARATION:
CONTROL I. L. Harris

AZIMUTHS Letson & Salazar

PASS POINTS J. L. Harris

TEMPLENTS Myers  VERIFIED Harris

RADIAL PLOT:
PLOTTED BY I. L. Harris DATE 11-2-45
VERIFIED J. E. Deal  DATE 11-6-45

COMPILED POINTS Turner  DATE 11-9-45

DETAIL BY Turner  DATE 3-19-46

VERIFIED BY R. Barlow  DATE 3-21-46

DATE OF PHOTOS See Reverse Side

TIME OF PHOTOS See Reverse Side

STAGE OF TIDE See Reverse Side

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

Due to the scale difference only a visual comparison could be made with the USGS
CAMSAS Quadrangle. Common planimetric detail is in fair agreement however the
Washington-Oregon State Line boundary, as shown on the quadrangle, is in error.
The boundary line as shown on the map manuscript was verified by various engineers
from Multnomah County.

By using the vertical projector, comparison could be made with nautical chart
number 6156. It was noted that the high-water line on the chart seems higher than
that on the map manuscript.

(Continued on Reverse Side)

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

FORWARDED TO Washington, D. C.  DATE July 23, 1946

R. D. Earle
Chief of Party
COMPARISONS (continued)

Changes due to erosion or building up were noted at the following places:

The north shore of an unnamed island at Lat. 45°34'30" and Long. 122°27'30" has built up from 20 to 100 meters. The east end of this same island has receded approximately 100 meters.

The north shore of Government Island has built up for distances ranging from 10 to 100 meters.

The northeast shore of Government Island has receded as much as 50 meters and riprap has now been placed along this shore to prevent further erosion. The south shore of this island has receded slightly.

At some places where the chart and map manuscript are in disagreement, it is evident that the bank line as shown on the map manuscript is the high-water line of the chart.

PHOTOGRAPH DATA

<table>
<thead>
<tr>
<th>Photo. No.</th>
<th>Date</th>
<th>Time</th>
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<tr>
<td>45-D-373 to 375 Inc.</td>
<td>6-30-45</td>
<td>10:25</td>
<td>11.9 ft. above M.L.W.*</td>
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<td>6-30-45</td>
<td>10:45</td>
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<tr>
<td>45-D-727 to 731 Inc.</td>
<td>7-1-45</td>
<td>11:10</td>
<td>11.7 ft. above M.L.W.</td>
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<td>45-D-1244 to 1247 Inc.</td>
<td>7-2-45</td>
<td>12:25</td>
<td>11.0 ft. above M.L.W.</td>
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<td>45-D-3608 to 3610 Inc.</td>
<td>11-21-45</td>
<td>14:00</td>
<td>4.9 ft. above M.L.W.</td>
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<td>45-D-3627 to 3629 Inc.</td>
<td>11-21-45</td>
<td>14:00</td>
<td>4.9 ft. above M.L.W.</td>
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* Mean Low Water, as determined by the U.S. Engineers at Government Moorings, Willamette River, St John Bridge, Portland Oregon, is 1.29 feet above Mean Sea Level.
DATA RECORD
T-8684

Quadrangle (II): Government Island, Oregon  Project No. (II): C.S. 322

Field Office: Portland, Oregon  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. T-____ (VI)
Oct. 25, Nov. 30 and Dec. 6, 1945  Division of Photogrammetry Office files

Completed survey received in office: 27 Mar. 1946

Reported to Nautical Chart Section:

Reviewed: August 28, 1946  Applied to chart No. Date:

Redrafting Completed: 4 Nov. 1946

Registered: 31 July 1947  11/47 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): DOCK (U.S.E.), 1935 r 1945

Lat.: 45°34' 58.954" (1820.1m)  Long.: 122°28' 20.273 (443.8m)  Adjusted

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)

<table>
<thead>
<tr>
<th>Number</th>
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<th>Scale</th>
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<td>(1-7000 contact) 1-8000 ratio</td>
<td>11.9 ft. above M.L.W.*</td>
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<tr>
<td>383 to 387 Inc.</td>
<td>6-30-45</td>
<td>10:45</td>
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<td>11.9 &quot; &quot; &quot; &quot; &quot; &quot;</td>
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<tr>
<td>727 to 731 Inc.</td>
<td>7-1-45</td>
<td>11:10</td>
<td>&quot;</td>
<td>11.7 &quot; &quot; &quot; &quot; &quot;</td>
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<tr>
<td>3608 to 3610 Inc.</td>
<td>11-21-45</td>
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<td>4.9 &quot; &quot; &quot; &quot; &quot;</td>
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<tr>
<td>3627 to 3629 Inc.</td>
<td>11-21-45</td>
<td>14:00</td>
<td>&quot;</td>
<td>4.9 &quot; &quot; &quot; &quot; &quot;</td>
</tr>
</tbody>
</table>

Daily readings of the U.S. Engineer Tide Gauge located at Government Moorings on the west shore of the Willamette River just south of St. John's Bridge. The 0400 of the gauge Tide from (III): is M.L.W., Columbia River, which is 1.29 ft. above Mean Sea Level.

**Mean Range:**

**Spring Range:**

**Camera:** (Kind or source) K 17, 12 inch focal length

**Field Inspection by:** See Remarks, page 3

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

**Date:** May-June, 1946

**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 taken on Nov. 21, 1945, when the water was at 4.9 ft. above M.L.W.

**Projection and Grids ruled by (III):** Washington Office

**" " " checked by:** Washington Office

**Control plotted by:** Helen L. Letson

**Control checked by:** Eda H. Bunce

**Radial Plot by:** James L. Harris & J.E. Deal

**Detailed by:** Albert C. Turner

**Reviewed in compilation office by:** Ree H. Barron

**Corrections and changes after field edit by:** A.C. Turner

**Review after changes due to field edit by:** Ree H. Barron

**Elevations on Field Edit Sheet checked by:** C. Hanavich, Photo Engr.

**Date:** March 19, 1946

**Date:** March 21, 1946

**Date:** July 15, 1946

**Date:** June, 1946
STATISTICS (III)

Land Area (Sq. Statute Miles): 6.7

Shoreline (More than 200 meters to opposite shore): 16.2 statute miles

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

Number of Recoverable Topographic Stations established: 5 (3 fixed aids to navigation and 2 marked section corners.)

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: F.H. Elrod, Prin. Photo Aid Date: Dec. 1945

Shoreline Inspection By: J.C. Lajoya, Prin. Photo Aid Date: Feb. 1946

Recovery of Horizontal Control By: J.C. Lajoya, Prin. Photo Aid Date: Sept. 1945

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

Investigation of Geographic Names and Civil Boundaries By: L.E. Ervast, Photo Aid (CofC) Date: Nov. 1945
RECORD SHEET

GENERAL LOCALITY....Columbia River, Ore.-Wash.

LOCALITY......Camas, Washington

Aug. 1945 Sept. 20, 1945
Nov. 1945 Rec'd. Jan. 21, 1946

PHOTOS ORDERED...8/45 Rec'd. 9/24/45

PROJECTION ORDERED...8/45 Rec'd. 9/24/45

CONTROL:
COMPUTED.......Harris VERIFIED...Myers

PLOTTED.......Letson VERIFIED...Bunce

PHOTO PREPARATION:
CONTROL......J. L. Harris

AZIMUTHS.......Letson & Salazar

PASS POINTS......Harris

TEMPLETS.......Myers VERIFIED...Harris

RADIAL PLOT:
PLOTTED BY......Harris DATE...11-5-45

VERIFIED.......Deal DATE...11-6-45

DATE OF PHOTOS. See Reverse Side

TIME OF PHOTOS...'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''
COMPARISONS (Continued)

Changes due to erosion or building up were noted at the following places:

On the north shore of Lady Island the bank has eroded for distances ranging up to 25 meters. On the south shore of this same island the shoreline has receded as much as 25 meters.

Between Long. 122° 25’ 00" and Long 122° 25’ 40", along the north shore of Camas Slough, the shoreline has receded for distances ranging from 1 to 25 meters.

At some places where the chart and map manuscript are in disagreement it is evident that the bank line of the map manuscript is the high-water line of the chart.

PHOTOGRAPH DATA

<table>
<thead>
<tr>
<th>Photo. No.</th>
<th>Date</th>
<th>Time</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>727 to 730 Inc.</td>
<td>7-1-45</td>
<td>1110</td>
<td>11.7 ft. above M.L.W. *</td>
</tr>
<tr>
<td>735 to 739 Inc.</td>
<td>7-1-45</td>
<td>1130</td>
<td>11.7 ft. above M.L.W.</td>
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<tr>
<td>750 to 755 Inc.</td>
<td>7-1-45</td>
<td>1140</td>
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<tr>
<td>3610 to 3612 Inc.</td>
<td>11-21-45</td>
<td>1400</td>
<td>4.9 ft. above M.L.W.</td>
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<tr>
<td>3628 &amp; 3629</td>
<td>11-21-45</td>
<td>1400</td>
<td>4.9 ft. above M.L.W.</td>
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</tbody>
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* Mean Low Water, as determined by the U. S. Engineers at Government Moorings, Willamette River, St John Bridge, Portland, Oregon, is 1.29 feet above Mean Sea Level.
DATA RECORD
T-8685

Quadrangle (II): CAMAS, WASH., ORE. (3 Minute) Project No. (II): C.S. 322
Field Office: Portland, Oregon Chief of Party: R. A. Earle

Instructions dated (II III): July 12, 1945 Copy filed in Descriptive
Supplemental Instructions: Aug. 29, Oct. 25 Report No. T—(VI)
Nov. 30 and Dec. 6, 1945 Division Photogrammetry Off. files
Completed survey received in office: 27 Mar. 1946

Reported to Nautical Chart Section: Reviewed: Aug. 27, 1946 Date:
Applied to chart No. 1947

Redrafting Completed: 14 Nov. 1946 Published: 1947

Registered: 31 July, 1947 11/47 Published Scale: 1:3600

Compilation Scale: 1:8000

Scale Factor (III): None

Geographic Datum (III): N.A. 1927 Datum Plane (III): * See below
Reference Station (III): CAMAS, WASH., 1938 r 1941 r 1945

Lat.: 45°35' 15.753" (486.3 m) Long.: 122°26' 15.266" (330.9 m) Adjusted X
Unadjusted

State Plane Coordinates (VI): Oregon North Grid: blue
Washington South Grid: black

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.
<table>
<thead>
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<th>Date</th>
<th>Time</th>
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<th>Stage of Tide</th>
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<td>4.9 ft. &quot; &quot; &quot; &quot;</td>
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<td>3628 to 3629 Inc.</td>
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<td>14:00</td>
<td>&quot;</td>
<td>4.9 ft. &quot; &quot; &quot; &quot;</td>
</tr>
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Daily readings of the U.S. Engineer tide gauge located at Government Moorings on the west shore of the Willamette River just south of St. Johns Bridge. The 0400 of the gauge is

Tide from (III): 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  
Field Edit by: F. H. Elrod, Prin. Photo Aid  
Date of Mean High-Water Line Location (III): Nov. 21, 1945  
Date: May 1946

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: Sept. 1945  
" " " " checked by:  
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: Nov. 6, 1945

Detailed by: Helen L. Letson  
Date: April 20, 1946

Reviewed in compilation office by: Ree H. Barron  
Date: April 20, 1946

Corrections and changes after field edit by: Helen L. Letson  
Date: June, 1946

Review after changes due to field edit by: Ree H. Barron  
Date: July 17, 1946

Elevations on Field Edit Sheet  
checked by: C. Hanavich, Photo. Engr.  
Date: May, 1946
STATISTICS (III)

Land Area (Sq. Statute Miles): 6.0

Shoreline (More than 200 meters to opposite shore): 8.2 statute miles

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

Number of Recoverable Topographic Stations established: 11 (1 landmark for charts, 1 section corner, 9 fixed aids to navigation)

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: F. H. Elrod, Prin. Photo. Aid Date: Nov. 1945

Shoreline Inspection By: J. C. Lajoye, Prin. Photo Aid Date: Feb. 1946

Recovery of Horizontal Control By: J. C. Lajoye, Prin. Photo Aid Date: Sept. 1945

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

Investigation of Geographic Names and Civil Boundaries By: L. E. Ervast, Photo Aid (C of C) Date: Sept.-Nov. 1945
FIELD INSPECTION REPORT
QUADRANGLES T-3694 and T-3695
PROJECT CS-322

1 to 25: Except for the supplemental data listed below under side headings 10 and 17, all information applicable to these side headings is given in the "Field Inspection Report, Project CS-322, Area of the First Radial Plot". This report was enclosed with the Descriptive Report for Quadrangles T-8709 and T-8710, which has been submitted.

10. Details offshore from the High-Water Line:

The heights of the rocks located in Quadrangle T-3695 at the west end of Camas Slough, on Ione Reef, and at the east end of Lady Island, will be reported by the Ship WESTDAHL.

17. Boundary Monuments and Lines:

In addition to the Donation Land Claims in Clark County, Washington, other claims which were granted by the Federal Government, have been compiled on the map manuscripts at the request of Mr. Charles Deaco, Clark County Engineer and Mr. Bernard Morris, Clark County Surveyor. These claims are, as in the case of the Donation Land Claims, the basis for property surveys.

These claims include pre-emption claims, timber claims, and mineral claims. No attempt was made to distinguish between these various types of claims inasmuch as the required information was not available at the Clark County Court House. These other claims were listed with the Donation Land Claims in the Special Report on Boundary Monuments and Lines; however, they are noted as Land Claims rather than Donation Land Claims on the Map Manuscripts.

Approved by: Respectfully submitted:

R. A. Earle
Chief of Party

Charles Hanavich
Photogrammetric Engineer

*Special Report: Investigation of Boundary Monuments and Land Lines... Area of the First Radial Plot. Filed in Rm. Photogram. Gen. Files under "Special Reports"
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 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 red notes in the Descriptive Reports:

<table>
<thead>
<tr>
<th>A.</th>
<th>Special Reports:</th>
<th>Access No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Investigation of Boundary Monuments and Land Lines for Radial Plots 1, 2, 3, and 4</td>
<td>CS-322 Hpt. 1</td>
</tr>
<tr>
<td>2.</td>
<td>Radial Plots 1, 2, 3, and 4</td>
<td>&quot; &quot; 2</td>
</tr>
<tr>
<td>3.</td>
<td>Legal descriptions of boundaries</td>
<td>&quot; &quot; 3</td>
</tr>
<tr>
<td>4.</td>
<td>Field Inspection for plots 1, 2, 3, and 4</td>
<td>&quot; &quot; 4</td>
</tr>
</tbody>
</table>

| B. | Computations: Triangulation and Traverse | 943/072 0-6785 |

<table>
<thead>
<tr>
<th>C.</th>
<th>Field records:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Horizontal Angles (form 250) 12 vol. 943/08 0-7082</td>
</tr>
<tr>
<td>2.</td>
<td>Traverse Measurements (form 590) 9 vol. 943/08 0-7083</td>
</tr>
<tr>
<td>3.</td>
<td>Descriptions (form 525) and recoveries (form 526) 943/08A 0-6786</td>
</tr>
<tr>
<td>4.</td>
<td>Pricking cards (form N-932-1) for tri. and trav. Div. of Photogrammetry General File</td>
</tr>
<tr>
<td>5.</td>
<td>Recoverable Topographic stations (form 524) Div. of Photogrammetry General File</td>
</tr>
</tbody>
</table>

| D. | Recovery of bench marks (form 685) Filed in Leveling Sec. |

<table>
<thead>
<tr>
<th>E.</th>
<th>Supplemental data; maps, plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>These were transferred to the Map Section (Mr. Stanley, Chief), Division of Charts, to be selectively filed or discarded.</td>
<td></td>
</tr>
</tbody>
</table>

LTS
January 1951
COMPILATION REPORT

MAP MANUSCRIPT NUMBERS T-8684 and T-8685
PROJECT CS-322

26. Control:

Sixteen horizontal control stations, located in the area of the two map manuscripts, were recovered. Ten of these were satisfactorily identified on the field photographs. Two permanent triangulation stations and one temporary traverse station were established to supplement the existing horizontal control stations.

The position of triangulation station TEE 2, 1940 (OR324), U.S.E. was plotted on map manuscript No. T-8685 from plane coordinates, Oregon North Zone. The field unit recommended that this station be listed as destroyed, but it could be used for controlling the photographs. See Form 526 for a detailed description.

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.

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.

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.

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 refight photographs made on Nov. 21, 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:

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

Industrial map of Camas and Washougal, Wash., Scale 1" = 1000'. Forwarded to Washington Office on July 15, 1946.

Sheets 36, 37, 42, and 45 of a set of 74 sheets published by the Multnomah County, Oregon, Assessor's Office, Scale 1" = 600'. Forwarded to Washington Office with the Geographic Names Report on July 15, 1946.

Black and white print of Camas, Washington, Scale 1" = 400'. Compiled for Camas Street Department and forwarded herewith.

Photostat, Aluminum Co. of America, plant map, Scale 1" = 200', Forwarded herewith.

Black and white print, Crown Willamette Paper Co., Camas Mill Scale 1" = 200'. Forwarded herewith.

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 Nov. 21, 1945. The mean high-water line 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 ft. above mean sea level. There are no marsh areas immediately bordering the mean high-water line. The bank line at the normal flood stage of the river has been noted.

31. **Low-Water and Shoal Lines:**

The field inspection unit did not furnish any information on definite or indefinite low-water lines in the area of these two map manuscripts. Approximate shoal lines have been shown by a light dashed black acid ink line as indicated by the field inspection unit.

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

The offshore details include rocks, boulder areas, and small islands. They have been shown in accordance with the data submitted by the field inspection parties.

33. **Wharves and Shoreline Structures:**

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

34. **Landmarks and Aids to Navigation:**

In the area of Map Manuscript No. T-8685, MAST, 1946, is recommended as a landmark for nautical charts. Form 567 is attached.

In the area of Map Manuscript No. T-8685, the landmark TOWER shown on nautical chart No. 6156 is recommended for deletion. Form 567 is attached.

The below listed three aids to navigation, for which Form 567 is attached, fall in the area of T-8684:

- MCGUIRE ISLAND LOWER DIKE LIGHT
- HASSALO ROCK LIGHT
- QUARRY LIGHT

The below listed nine aids to navigation, for which Form 567 is attached, fall in the area of T-8685:

- CAMAS SLough RANGE FRONT LIGHT
- CAMAS SLough RANGE REAR LIGHT
- LADY ISLAND RANGE FRONT LIGHT
- LADY ISLAND UPPER LIGHT
- CAMAS LIGHT
- IONE REEF LIGHT
- TROUTDALE LIGHT
- GOVERNMENT ISLAND RANGE FRONT LIGHT
- GOVERNMENT ISLAND RANGE REAR LIGHT & LADY ISLAND RANGE REAR LIGHT

(Two names are listed for light on this structure)
35. **Hydrographic Control:**

See paragraph 12 of the "Field Inspection Report, Project CS-322, Area of the First Radial Plot" which is included in the Descriptive Report for Map Manuscripts Nos. T-8709 and T-8710. This report was forwarded to the Washington Office on July 5, 1946.

36. **Landing Fields and Aeronautical Aids:**

A small portion of Troutdale Airport falls in the southeast corner of Map Manuscript No. T-8685.

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

37. **Geographic Names:**

Only undisputed geographic names are shown on the map manuscripts.

Geographic names are the subject of 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. (Report No. 72, 1946).

38. **Recoverable Topographic Stations:**

Copies of Forms 524 are being submitted for the one recommended landmark and twelve aids to navigation listed in paragraph No. 34 of this descriptive report.

In addition copies of Forms 524 are being submitted for the following:

- T 1-N R 3-E, Section Corner 4,5,8,9, 1945
- T 1-N R 3-E, Section Corner 5,6,7,8, 1945
- T 1-N R 3-E, Section Corner 3,4,9,10, 1945

**Mast (Northwestern Tel. Co., Power Line)**

39. **Junctions:**

Complete and satisfactory junctions have been made between map manuscripts Nos. T-8684 and T-8685 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.

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:  

Respectfully submitted:

July 19, 1946

Robert A. Earle  
Chief of Party

J. Edward Deal, Jr.  
Photogrammetric Engineer
FIELD EDIT REPORT  
T-8684 and T-8685  
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 print in colored ink; or the place where a correction or addition is to be made has been indicated by a note to refer to the 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 in the field 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.

In the town of Camas, where the relative widths of streets (between curbs) seemed to be in error, field measurements were taken and noted on sheet T-8685. The boundary limits of Blue Lake Park were obtained by the field edit party. Any drafting of detail that seemed to be questionable was called to the attention of the compilers and reviewers by notes.

Shoreline features could not be accurately checked because of the extreme high-water caused by the spring fresnet. Some changes and additions, such as recently excavated ditches, have been noted.

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. B.G. Smith, City Engineer of Camas, Washington, and Mr. C.G. Powers, County Surveyor of Multnomah County, Portland. The geographic names shown on these sheets have been reviewed by Mr. Lewis A. McArthur of Portland.

48. Accuracy Tests:

Results of the horizontal accuracy test on T-8685 are attached to the back of this report. For data on the traverse, refer to "Special Report, Third-Order Triangulation and Traverse, Project CS-322, Area of the First Radial Plot", which has been submitted.

For additional map accuracy tests adjacent to the area of these map manuscripts, refer to the field edit reports on T-8677, T-8683, and T-8692.

These maps are believed to comply with the horizontal accuracy specifications.
49. Bench Mark Elevations:

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

50. Geographic Names:

A thorough investigation was made to ascertain a geographic name established by local usage of the island just north of the east end of Government Island. The below listed individuals, who were consulted, claim that this island does not have a name.

H. G. Richardson, City Surveyor
City Hall, Portland, Ore.

Claude Powers, County Surveyor
County Court House, Portland, Ore.

Robert A. Ostrom, River Pilot of USED Tug "Gen. C. F. Powell"
4125 NE 72 Avenue, Portland, Ore.

Bernard Morris, Asst. County Surveyor
Clark County Court House, Vancouver, Wash.

Field Edit Reviewed By: C. Hanavich
Photo. Engr.

Field Edit By: Frank F. Eldred
Prin. Photo. Aid

Date: Oct, 1946

Approved By: R. A. Earle
Chief of Party
HORIZONTAL ACCURACY TEST
Map Manuscript T-3665
Project CS-322

This test consists of a spur traverse between triangulation station CAMAS, 1938
and A-5 (Temp. Sta.), 1945. The traverse is 1.5 statute miles in length and
contains two test points within the limits of this manuscript. In the tabulation
the geodetic position from the traverse computation 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Test Point Number</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Displacement in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.I. of 2 rds.</td>
<td>T.P.No.1-A</td>
<td>45 35 1434.1</td>
<td>122 26 208.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M.M.No.1-A</td>
<td>45 35 1432.1</td>
<td>122 26 214.8</td>
<td>66</td>
</tr>
<tr>
<td>Inter. of T-rod</td>
<td>T.P.No.2-A</td>
<td>45 35 1439.0</td>
<td>122 26 13.0</td>
<td></td>
</tr>
<tr>
<td>90 degrees</td>
<td>M.M.No.2-A</td>
<td>45 35 1435.2</td>
<td>122 26 15.2</td>
<td>44</td>
</tr>
</tbody>
</table>

Test point No. 1-A is not a well defined point; it is the point of inter-
section on the extension of two roads. The remaining test point is well de-

The points tested are within the accuracy requirements.

Approved By:  
R.A. Earle  
Chief of Party

Respectfully Submitted:  
C. Hanovich  
Photo. Engr.
The following Fixed Aids to Navigation have been inspected, surveyed and located by the methods shown.

The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>NAME AND DESCRIPTION</th>
<th>LOCALITY</th>
<th>POSITION</th>
<th>DATUM</th>
<th>METHOD</th>
<th>DATE</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quarry Light</td>
<td>Columbia River,</td>
<td>Latitude</td>
<td></td>
<td>Radial</td>
<td>May</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Washington,</td>
<td>45° 34'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oregon</td>
<td>1813.4</td>
<td>122° 28'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>36</td>
<td>28</td>
<td>483.9</td>
<td>1927</td>
<td></td>
</tr>
<tr>
<td>HASSALO ROCK LIGHT</td>
<td></td>
<td>45° 34'</td>
<td>122° 28'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1657.9</td>
<td>27</td>
<td>1148.9</td>
<td>1927</td>
<td></td>
</tr>
<tr>
<td>McGUIRE ISLAND LOWER DIKE LIGHT</td>
<td></td>
<td></td>
<td>45° 34'</td>
<td>202.9</td>
<td>122° 28'</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>27</td>
<td>27</td>
<td>517.8</td>
<td>1927</td>
<td>#6156</td>
</tr>
</tbody>
</table>

Note: The geographic positions of the above nonfloating aids to navigation are in agreement with the charted positions shown on Chart #6156.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be deleted from the charts indicated.

The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>Name and Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOWER (This Landmark is located South of Lady Island and opposite Lime Reef on the South Side of Columbia River at Sundial Beach, (Stott Landing)</td>
<td>45° 33' 164° 3' 122° 24' 760° 3'</td>
<td>U.S. T. 1927</td>
<td>Triangulation 1938</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Note:
This Landmark is also Triangulation Station "TRANSMISSION TOWER, SOUTH SIDE COLUMBIA RIVER APEX, 1938".

This tower has been torn down and the triangulation station is reported destroyed. The base of the tower remains and the station can still be used as horizontal control for air photographs.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.
# Landmarks for Charts

## General Locality
- **Columbia River, Oregon and Washington**

## Name and Description

### The Geographic Positions of the following fixed aids to navigation are not in perfect agreement with the positions shown on nautical charts:

<table>
<thead>
<tr>
<th>Light Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
<th>Charts Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camas Sling Range Front Light</strong>, Fl. R., 1 Sec.</td>
<td>45 34</td>
<td>847.8</td>
<td>122 26</td>
<td>102.4</td>
<td>1927</td>
<td>Flot 1946</td>
</tr>
<tr>
<td><strong>Camas Sling Range Rear Light</strong>, Sec. N., 6 Sec.</td>
<td>45 34</td>
<td>815.0</td>
<td>122 26</td>
<td>22.8</td>
<td>1927</td>
<td>Flot 1946</td>
</tr>
<tr>
<td><strong>Lady Island Range Front Light</strong>, Fl. R., 1 Sec.</td>
<td>45 33</td>
<td>1482.2</td>
<td>122 26</td>
<td>581.5</td>
<td>1927</td>
<td>Flot 1946</td>
</tr>
<tr>
<td><strong>Lady Island Upper Light</strong>, Fl. R., 4 Sec.</td>
<td>45 34</td>
<td>631.2</td>
<td>122 26</td>
<td>40.4</td>
<td>1927</td>
<td>Flot</td>
</tr>
<tr>
<td><strong>Lady Island Range Rear Light</strong>, Sec. N., 6 Sec.</td>
<td>45 33</td>
<td>1449.8</td>
<td>122 26</td>
<td>882.9</td>
<td>1927</td>
<td>Flot</td>
</tr>
<tr>
<td><strong>Trotta Light</strong>, Fl. R., 4 Sec.</td>
<td>45 33</td>
<td>1366.1</td>
<td>122 25</td>
<td>1273.9</td>
<td>1927</td>
<td>Flot</td>
</tr>
<tr>
<td><strong>Canas Light</strong>, Fl. Q., 2.5 Sec.</td>
<td>45 34</td>
<td>1042.0</td>
<td>122 26</td>
<td>704.8</td>
<td>1927</td>
<td>Flot</td>
</tr>
<tr>
<td><strong>Government Island Range Front Light</strong>, Fl. R., 1 Sec.</td>
<td>45 33</td>
<td>1620.8</td>
<td>122 26</td>
<td>1080.3</td>
<td>1927</td>
<td>Flot</td>
</tr>
<tr>
<td><strong>Ink Reef Light</strong>, Fl. W., 4 Sec.</td>
<td>45 33</td>
<td>1679.1</td>
<td>122 24</td>
<td>688.9</td>
<td>1927</td>
<td>Flot</td>
</tr>
</tbody>
</table>

### The Geographic Positions of the following fixed aids to navigation are in agreement with the positions shown on nautical charts:

- **Camas Sling Range Rear Light**, Sec. N., 6 Sec.
- **Lady Island Range Rear Light**, Sec. N., 6 Sec.
- **Trotta Light**, Fl. R., 4 Sec.
- **Canas Light**, Fl. Q., 2.5 Sec.
- **Government Island Range Front Light**, Fl. R., 1 Sec.
- **Ink Reef Light**, Fl. W., 4 Sec.

---

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

*Two names for light on this structure.*
TO BE CHARTED

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing.

Robert A. Earle

Chief of Party.

<table>
<thead>
<tr>
<th>GENERAL LOCALITY</th>
<th>Columbia River, Oregon</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME AND DESCRIPTION</td>
<td>NAST, Steel, 255 ft. high. (Northwestern Electric Co.)</td>
</tr>
<tr>
<td>LATITUDE</td>
<td>45 33 1626.5</td>
</tr>
<tr>
<td>LONGITUDE</td>
<td>122 24 759.4</td>
</tr>
<tr>
<td>DATUM</td>
<td>N.A.</td>
</tr>
<tr>
<td>METHOD OF LOCATION</td>
<td>Radial</td>
</tr>
<tr>
<td>DATE OF LOCATION</td>
<td>1927</td>
</tr>
<tr>
<td>CHARTS AFFECTED</td>
<td>#6156</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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
Planimeteric Map Manuscript No. T-3684

The first radial plot for Project CS-322, consisting of 14 surveys, was completed 14 March, 1946. Survey T-3684 is one of the first manuscripts in this group of surveys to be completed and reviewed. All of the field edit data were applied to the manuscript by the Portland, Oregon, Photogrammetric Office prior to final review.

27. RADIAL PLOT

Each of the office photographs within the area of the survey were oriented separately under the manuscript, holding to the existing horizontal control stations and photograph centers as established by the main radial plot, and the position of the planimeteric details and pass points checked by radial intersections. The radial plot is believed to be within the required accuracy. Planimeteric details in the following areas, however, failed to meet the standard of accuracy:

McGuire Island Lower Bike Light: Position of this light and planimeteric in immediate vicinity were changed a maximum of 2 mm.

Latitude 45° 34‘ 40" and Longitude 122° 27‘: Shore line and off-shore details changed in position a maximum of 2 mm.

Government Island: Roads changed in positions from 1 mm to 2 mm.

The planimeteric in these areas were corrected by the reviewer, holding to re-intersected and newly established detail points. The errors in the original detailing apparently were due to errors in location of detail points by the compiler.

28. DETAILING

The field inspection data of December 1945 and February 1946; and the results of the field edit data of May 1946 as applied to the manuscript by the Portland Photogrammetric Office were checked during the review.

A drafting overlay was prepared to facilitate the smooth drafting of this manuscript.

34. LANDMARKS AND AIDS TO NAVIGATION

The position of McGuire Island lower Bike light, as radially plotted by the compilation office, was found to be 1.6 mm in error after re-intersecting this light during review. The position has been listed of Form 567 and forwarded to Nautical Charts to supersede the position submitted originally.

36. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS:

The planimeteric features appearing on the following surveys are superseded by Survey T-3684 in all common areas:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2085</td>
<td>1:10,000</td>
<td>1891</td>
</tr>
<tr>
<td>T-2522</td>
<td>1:10,000</td>
<td>1900</td>
</tr>
</tbody>
</table>

Considerable changes were noted upon comparison with these surveys,
especially the island just northeast of Government Island. This island now lies much farther to the west.

39. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

This side-heading is not applicable to Survey T-8684

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:


In general, planimetry common to the quadrangle and the manuscript are in good agreement, except for the position of the A.M.W. line, which is probably due to datum difference.

The planimetry shown on Survey T-8684 supersedes that appearing on the above-mentioned quadrangle.

45. COMPARISON WITH NAUTICAL CHARTS:

No. 6156  1:40,000  1942

Discrepancies, in addition to those listed below, have been noted in the Record Sheet which accompanies the Descriptive Report.

The first light just southeast of McGuire Island Lower Dike Light, as shown on the chart, was noted as a dolphin by the field inspection party and shown as such on the manuscript.

Hassalo Rock, appearing on the chart, was not shown on the manuscript, because its image was not visible on any of the photographs.

This survey has not been applied to Chart 6156 at the date of this review.

Reviewed by; Reviewed under the direction of:

Michael C. Migusia
Photogrammist
August 28, 1946

Approved by:  

Technical Assistant to the
Chief, Division of Photogrammetry

K.T. Adams
Chief, Division of Photogrammetry

B.J. Jones 11/47

Chief, Review Section

Chief, Nautical Chart Branch

C.K. Green
Chief, Division of Coastal Surveys
DIVISION OF PHOTOGRAMMETRY  
Review Report of  
Planimetric Survey Manuscript No. T-8685

Subjects (peregraph numbers) not used in this review have been adequately covered in other parts of this report.

28. DETAILING

The field inspection data of November 1946 and February 1947; and the field edit data of May 1946 as applied to the manuscript by the Portland Photogrammetric Office, were checked during the review.

34. Landmarks and Aids to Navigation

The Camas Pulp Mill Stack (concrete) shown on Chart 6156 as a landmark has been destroyed. Form 567 has been submitted for its deletion. However, the triangulation intersection station Camas, Crown-Willamette Paper Co., Brick Stack (largest and tallest) has been established in 1945 in almost the same position. Form 567 has been submitted for this new landmark.

43. Comparison with Previous Topographic Survey

The planimetric features appearing on the following survey are superseded by Survey T-8685 in all common areas; except for off-shore rocks:

\[
\begin{array}{lll}
T-2522 & 1:10,000 & 1900
\end{array}
\]

44. Comparison with Existing Topographic Quadrangles


The planimetry of T-8685 supersedes that of the above-named quadrangle in their common areas.

45. Comparison with Nautical Chart

No. 6156 1:40,000 1942. revision Oct. 1945

The Record Sheet accompanying this descriptive report gives adequate comparison data.

This Survey sheet has not been applied to Nautical Chart 6156 as of the date of this review.

49. Donation Land Claims, Land Claims, and Section Lines:

South of the Columbia River: Donation Land Claim lines on the map manuscript were checked against Multnomah County assessment maps (numbers 44 and 45) and against General Land Office plats.

North of the Columbia River: Donation Land Claim lines on the map manuscript could be checked only against Field Inspection data on the contact prints Nos. 727, 736, 739, 758, 751, and 753 upon which the lines had been drawn in red.
Reviewed by:

Lucas T. Stimson
Photogrammetrist
Aug. 23, 1946

Reviewed under the direction of:

Chief, Review Section

Approved by:

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

Chief, Nautical Chart Branch

K.T. Adams
Chief, Division of Photogrammetry

Chief, Division of Coastal Surveys
<table>
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<tr>
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USGB 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27

N 234
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Names of individual land claims of various sorts are not properly listed here as Geographic Names. If they are to be applied, the name shown on sheet should be used as indicated.
27 November 1946

To: Lt. Comdr. Robert A. Earle
U. S. Coast and Geodetic Survey
c/o Swan Island Postal Station
Portland 15, Oregon

Subject: Map manuscript T-3685

With the materials forwarded to this office for map manuscript T-3685 there were three plates showing the street system in the city of Camas, Washington, and on one of these copies was the note, "All names of streets have been changed. Copy of revisions can be obtained from local newspaper office, Camas Post, 25 cents." The three plates showing the street system have identically the same names and these also correspond to the names shown on the map manuscript.

Please inform us by return mail if we are to accept the names shown on the maps and on the map manuscript, and if we are not, please obtain the Camas Post map referred to and forward it at your earliest convenience.

(Signed) K. T. Adams
Chief, Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry
3 December, 1946

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

From: Lt. Comdr. R. A. Earle

Subject: Map Manuscript T-3685


In reply to the above reference, the reason for having the note "All names of streets have been changed, etc.", on a copy of one of the plats showing the street system of Camas, Washington, is unknown.

The names of streets as shown on the plat and map manuscript are correct and these names were checked during field edit.

It is probable that the copy of the plat was one which had been posted several years ago when names were changed, and that personnel of the County Courthouse, instead of issuing copies of that plat, referred residents to the local newspaper office.

R. A. Earle
Chief of Party
# Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>6/18/48</td>
<td>6156</td>
<td>Piazzi</td>
<td>Exam. for important changes. Before after verification and review.</td>
</tr>
<tr>
<td>8/19/50</td>
<td>6156</td>
<td>Melbo</td>
<td>Before after verification and review Complete application Before after verification and review</td>
</tr>
</tbody>
</table>

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.