**U.S. COAST AND GEODETC SURVEY**

**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

**Type of Survey**: Planimetric, Air Photographic

**Field No.**

**Office No.** T-8686

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**LOCALITY**

**State**: OREGON

**General locality**: Multnomah County

**Locality**: PORTLAND (KINGS HEIGHTS), OREGON

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**CHIEF OF PARTY**

R. A. Earle

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**DATE**: December 4, 1947
RECORD SHEET

GENERAL LOCALITY... Multnomah County, Oregon
LOCALITY... Portland (Kings Heights), Oregon

PHOTOS ORDERED... Aug., 1945... REC'D... 9-24, 9-26, 11-1-45 & 1-21-46
PROJECTION ORDERED... Mar., 1946... REC'D... 4-27-46

SCALE... 1:8000

CONTROL:
COMPUTED... Bushnell VERIFIED... Bunce
PLOTTED... Foster VERIFIED... Bunce

PHOTO PREPARATION:
CONTROL... Bushnell
AZIMUTHS... Davidson
PASS POINTS... Bunce Foster
TEMPLETS... Bushnell VERIFIED... Harris

RADIAL PLOT: Deal
PLOTTED BY... Harris... DATE... 7-12-46
VERIFIED... Deal... DATE... 7-17-46

COMPILATION:
DETAIL POINTS... Davidson... DATE... 7-18-46
DETAIL BY... Davidson... DATE... 9-24-46
VERIFIED BY... Barron... DATE... 10-17-46

DATE OF PHOTOS... See reverse side
TIME OF PHOTOS... " " " "
STAGE OF TIDES... See reverse side

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:
Due to scale difference only a visual comparison was made with the U.S.G.S.
Portland, Oregon - Washington, 15 min. quadrangle. Scale: 1:62500. In general
the map manuscript and quadrangle are in agreement; however, many new buildings,
roads, housing areas, etc., have been built since the quadrangle was made.

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

FORWARDED TO... Washington Office... DATE... November 23, 1946

R. A. Earle, Chief of Party
A very small area of the Willamette River falls in the northeast corner of this map manuscript. The shoreline is in good agreement with that shown on Nautical Charts No's. 6154 and 6155. There are many differences in the inshore area common to the charts and map manuscript, due to new culture features since the charts were made.

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>483 to 487 Incl.</td>
<td>6-30-45</td>
<td>12:00</td>
<td>11.9 ft. above M.L.W.</td>
</tr>
<tr>
<td>617 to 620 &quot;</td>
<td>6-30-45</td>
<td>14:45</td>
<td>11.9 ft.</td>
</tr>
<tr>
<td>656 to 659 &quot;</td>
<td>7-1-45</td>
<td>10:15</td>
<td>11.7 ft.</td>
</tr>
<tr>
<td>3479 to 3483 &quot;</td>
<td>11-21-45</td>
<td>13:15</td>
<td>5.0 ft.</td>
</tr>
<tr>
<td>U.S. Engineer</td>
<td>103 V-65</td>
<td>9-26-44</td>
<td>1.65 ft.</td>
</tr>
</tbody>
</table>
DATA RECORD

T- 8686

Quadrangle (II): Portland(Kings Heights), Ore. Project No. (II): 03-322

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


Completed survey received in office: 27 Nov. 1946

Reported to Nautical Chart Section: ✓

Reviewed: 24 Mar. 1947 Applied to chart No. Date:

Redrafting Completed: 17 April 1947

Registered: 13 May 1947 Published: 1947

Compilation Scale: 1:3000 Published Scale: 1:9600

Scale Factor (III): None

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

Reference Station (III): MONUMENT, GENERAL LAND OFFICE, 1903, r 1945

Lat.: 45° 31' 10.831" (334.4m) Long.: 122° 14' 33.551" (728.2m) Adjusted X Elev. 950.451 Ft. GLO 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>
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<th>Scale</th>
<th>Stage of Tide</th>
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<td>1:17,000 contact</td>
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<tr>
<td>617 to 620 &quot;</td>
<td>6-30-45</td>
<td>14:45</td>
<td>&quot;</td>
<td>11.9 ft. &quot;</td>
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<tr>
<td>656 to 659 &quot;</td>
<td>7-1-45</td>
<td>10:15</td>
<td>&quot;</td>
<td>11.7 ft. &quot;</td>
</tr>
<tr>
<td>3479 to 3483 &quot;</td>
<td>11-21-45</td>
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<td>5.0 ft. &quot;</td>
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<td>9-26-44</td>
<td>15:30</td>
<td>1:10,000 contact</td>
<td>1.65 ft. &quot;</td>
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<tr>
<td>1037-65</td>
<td></td>
<td></td>
<td>1:8,000 ratio</td>
<td></td>
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</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 0+00 of the gauge is Tide from (III): H.L.W., Columbia River, which is 1.29 ft. above Mean Sea Level.

Mean Range:

Spring Range:

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

Field Inspection by: See remarks, page 3
date:

Field Edit by: F. H. Elrod, Prin. Photo. Aid
date: Nov., 1946

date: Nov., 1946

Date of Mean High-Water Line Location (III): February, 1946
Note: The U.S. Engineers photographs taken on September 26, 1944, were used to delineate the high-water line of the Willamette River shown on this map manuscript. They were taken when the water level in the Willamette River was 1.65 ft. above M.L.W. From these a water line of 5.0 ft. above M.L.W., the datum of this project, was delineated.

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

checked by: Washington Office
date: April, 1946

Control plotted by: Richard Foster
date: June, 1946

Control checked by: Eda H. Bunce
date: June, 1946

Radial Plot by: J. L. Harris and J. E. Deal
date: July, 17, 1946

Detailed by: Roy A. Davidson
date: Sept. 24, 1946

Reviewed in compilation office by: Reel H. Barron
date: Oct. 17, 1946

Corrections and changes after field edit by: Reel H. Barron
date: Nov. 20, 1946

Review after changes due to field edit by: J. E. Deal
date: Nov. 21, 1946

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

Elevations on Manuscript checked by Gertrude B. Dean
date: Jan., 1947
STATISTICS (III)

Land Area (Sq. Statute Miles): 83

Shoreline (More than 200 meters to opposite shore): 0.25 statute miles

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

Number of Recoverable Topographic Stations established: 2 (1 section corner and 1 donation land claim corner).

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: April, 1946
Recovery of Horizontal Control: F. H. Elrod, Prin. Photo Aid Date: Sept., 1945
Recovery of Vertical Control by: J. H. Winniford, Photo. Aid Date: Sept., 1945
F. H. Elrod, Prin. Photo. Aid

Investigation of Geographic Names and Civil Boundaries by: L. E. Ervast, Photo. Aid Date: April, May, 1946
1 to 25: All the information that is applicable to these side headings is given in the "Field Inspection Report, Project CS-322, Area of the Second Radial Plot", which was enclosed with the Descriptive Report for Quadrangles T-8674 and T-8675. This Descriptive Report has been submitted.

Approved by:  
R. A. Earle  
Chief of Party

Respectfully submitted:  
Charles Hanavich  
Topographic Engineer
10 recovered
10 plotted
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:

A. Special Reports:
   1. Investigation of Boundary Monuments and Land Lines for Radial Plots 1, 2, 3, and 4
   2. Radial Plots 1, 2, 3, and 4
   3. Legal descriptions of boundaries
   4. Field Inspection for plots 1, 2, 3, and 4

B. Computations: Triangulation and Traverse
   Access No. CS-322 30772 G-6785

C. Field records:
   1. Horizontal Angles (form 250) 12 vol.
   2. Traverse Measurements (form 590) 9 vol.
   3. Descriptions (form 525) and recoveries (form 526)
   4. Pricking cards (form M-982-1) for tri. and trav.
   5. Recoverable Topographic stations (form 524)

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
26. Control:

At the time this project was started there were eighteen horizontal control stations in the area of this map manuscript. Eleven were recovered and seven of these were identified for use in the radial plot. One of these was MAIN RADIO TOWER, 1948 (G.P. 483). A new position was established for this tower in 1946 (see Fig. 1).

In order to satisfactorily control the photographs the field inspection unit established and identified a triangulation station in the northwest corner of this map manuscript namely, "CEDAR, 1946".

In accordance with instructions contained in a letter, dated September 6, 1946, 711 - RCR, from the Chief, Division of Photogrammetry, the field unit established the horizontal control station, "OBSERVATORY DOME, CENTER, 1946". The geographic position, which is an unadjusted field computation, is as follows:

Latitude: 45° 30' 07.635"  235.8m (1616.6m)  G.P.'s
Longitude: 122° 43' 09.010"  195.6m (1107.1m)  P. 732

A complete tabulation of the horizontal control stations which were originally in the area of this map manuscript is attached to the "Field Inspection Report, Project CS-322, Area of the Second Radial Plot". This report is included with the descriptive report for map manuscripts No's. T-3674 and T-3675, which was forwarded on October 11, 1946.

Filed in Div. of Photogrammetry General Files under "Spec. Rep.'s."

The one new triangulation station established in this area is listed in a tabulation attached to a special report, "Third-Order Triangulation and Traverse, Project CS-322, Area of the Second Radial Plot", which has been forwarded.

Filed in Library & Archives under T-3675

27. Radial Plot:

The facts concerning the radial plot for the area of this map manuscript have been fully covered in the "Descriptive Report, Area of the Second Radial Plot, Project CS-322". This radial plot report was included with the descriptive report for map manuscripts numbered T-3674 and T-3675, which was submitted to the Washington Office on October 11, 1946.

Filed in Div. Photogrammetry General Files under Spec. Rep.'s."
28. **Detailing:**

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

The high-water line and shoreline features were delineated and detailed from photographs obtained from the office of the U.S. Engineer Corps, Portland, Oregon, and ratio printed at a scale of 1:8000 by the Coast & Geodetic Survey in the Washington Office. In all inland areas the original photography was adequate. The 1:5000 scale contact prints, taken along the shorelines of the Willamette River, were a great help in interpreting detail.

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

When any item relative to the field inspection data was doubtful, it could be clarified by consultation with the field man who had done the inspection work. It was, therefore, unnecessary to make 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 margin of the map manuscript.

29. **Supplemental Data:**

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

- Black line print, Guild's Lake Courts, Oregon 35288, Div. 35096, Scale: 1" = 103'
- Black line print, Guild's Lake Courts, Oregon 35288, Div. 35098, Scale: 1" = 322'
- Black line print, Guild's Lake Courts, Oregon 35288, Div. 35059, Scale: 1" = 322'
- Black line print, Guild's Lake Courts, Oregon 35288, Div. 35026 & 35097, Scale: 1" = 322'
- Black line print, Guild's Lake Courts, Oregon 35288, Div. 35099, Scale: 1" = 322'
The following maps or plans which were also used were forwarded to the Washington Office on November 7, 1946, with the special report, "Investigation of Boundary Monuments and Lines, Area of the Second Radial Plot":

Multnomah County Assessor's Sheets No'd. 17, 20, and 21, of a set of 74 sheets, Scale: 1" = 600'.

Map of the City of Portland, Scale: 1" = 1500' (approx.).

Project File

30. Mean High-Water Line:

A very small area of the west shoreline of the Willamette River falls in the northeast corner of this map manuscript.

All of the high-water line was detailed from information submitted by the field parties, which was shown on single lens ratio prints, Scale: 1:8000. These photographs were taken by the U.S. Engineers at a contact scale of 1:10,000 on September 26, 1946, when the water level of the Willamette River was 1.65 feet above mean low-water. The field inspector's interpretation of the high-water line was verified by stereoscopic examination of the photographs before detailing was attempted.

The mean high-water line is shown by a continuous heavy-weight black acid ink line at a plane five feet above the Engineers low-water datum which is 1.29 feet above mean sea level.

There are no marsh areas immediately bordering the high-water line.

31. Low-Water and Shoal Lines:

The field inspection unit indicated a definite low-water line at one place along the shoreline of the Willamette River. This low-water line has been shown by a light-weight dash and dot black acid ink line and appropriately noted. The field inspection unit did not indicate any shoal areas in this vicinity.

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

There are no offshore details in the Willamette River within the area of this map manuscript.

33. Wharves and Shoreline Structures:

All shoreline structures indicated by the field inspection unit have been shown.

34. Landmarks and Aids to Navigation:

Copies of Form 567 are being submitted recommending the retention of the Nautical Landmark "TANK" on Nautical Charts No's. 6154 and 6155. This landmark is also the tri. sta. PORTLAND OCEANIC TERMINALS TANK, 1935.

There are no fixed aids to navigation within the area of this map manuscript.
35. **Hydrographic Control:**

The small area of the Willamette River which falls on this map manuscript was also detailed in the west margin of Map Manuscript No. T-3687 when the shoreline for that area was compiled for the ship "Westdahl." Any temporary hydrographic stations falling in the area of T-3686 were included on T-3687.

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

There are no landing fields within the limits of this map manuscript.

Copies of Forms 567 are being submitted recommending the charting as Aeronautical Landmarks of the following:

- RADIO MAST, tri. sta. "RADIO MAST RIGHT (EAST), 1946".
- RADIO MAST, tri. sta. "PORTLAND, BARNES HEIGHTS KOWN RADIO TOWER, 1938".

37. **Geographic Names:**

Only undisputed geographic names are shown on the map manuscript.

Geographic Names are the subject of the special report, "Investigation of Geographic Names, Project CS-322, Area of the Second Radial Plot", which was submitted to the Washington Office on October 22, 1946.

38. ** Recoverable Topographic Stations:**

Copies of Forms 524 are being submitted for the following:

- WILLAMETTE MERIDIAN, T 13 R 1E & 1W
  Section Corner 1, 6, 7, 12, 1946
- WM. POINTER - HEIRS, Northeast corner of
  D. L. C., 1946

39. **Junctions:**

Complete and satisfactory junctions have been made with Map Manuscripts T-3687, T-3679 and T-3694.

40. **Bench Marks:**

Bench marks have been detailed as identified by the field inspection units. Each bench mark is indicated by a black acid ink cross with the name and elevation to the nearest 1/10 ft. lettered nearby.
41. Donation Land Claims and Section Lines:

Donation land claims and section lines were located on an ozalid print of this map manuscript after the initial compilation was completed. These lines, with pertinent notes, were placed on the print in red and purple ink respectively, by the field party; and were then traced on the map manuscript by the compiler. The ozalid print containing these lines is being forwarded.

44. Comparison with Existing Topographic Surveys:

See record sheet which accompanies the map manuscript.

45. Comparison with Nautical Charts:

See record sheet which accompanies the map manuscript.

Approved and forwarded:

[Signature]

Robert A. Earle
Chief of Party

Respectfully submitted:

November 21, 1946

[Signature]

J. Edward Deal, Jr.
Photogrammetric Engineer
46. **Methods:**

This map manuscript was 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 manuscript 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. Several buildings and a railroad spur, which were recently constructed, were located by plane table methods on the field photographs. A few minor changes and omissions were noted and corrected in drainage and other features. The additional names and numbers of roads which were indicated on the print were obtained from and checked against the official road signs. All the shoreline features were checked.

A recently dedicated state park, "Willamette Stone State Park", has been indicated on the print. The boundary limits for this park were obtained from the Multnomah County Tax Assessors Office in Portland.

In accordance with the field edit instructions, the map manuscript was examined for completeness and accuracy in regard to geographic names, boundaries, public land lines, and detail by Mr. R. G. Richardson, City Surveyor, Portland. The geographic names in this area have been reviewed by Mr. Lewis A. McArthur, Collaborator for the U.S. Coast and Geodetic Survey.

48. **Accuracy Tests:**

No horizontal accuracy tests were run in this area. For map accuracy tests, near or adjacent to the area of this map manuscript, refer to the field edit reports for quadrangles T-8671, T-8687, and T-8688.

This map is believed to comply with the standard map accuracy requirements.
49. **Bench Mark Elevations:**

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

50. **Donation Land Claims and Section Lines:**

Donation land claims and section lines were located on an additional ozalid print of the map manuscript 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. This additional ozalid print will be submitted with the field edit sheet.

51. **Geographic Names:**

Refer to the addendum in the "Special Report on Geographic Names; Project GS-322, Area of the Second Radial Plot", for information on the following geographic names:

WILLAMETTE HEIGHTS, KINGS HEIGHTS, PORTLAND HEIGHTS

Field Edit reviewed by:

Charles Hanavich
Topographic Engineer

Field Edit by:

F. H. Elrod
Prin. Photo. Aid

Approved by:

R. A. Earle
Chief of Party
<table>
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<th>Longitude</th>
<th>Datum</th>
<th>Method</th>
<th>Altitude</th>
<th>Signal</th>
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**Non-Navigating aids or Landmarks for Charts**

**Project CG-322 I-3886**

**Department of Commerce**

**To be charted**

**Non-Navigating aids or Landmarks**

**Project CG-322 I-3886**

**Department of Commerce**
<table>
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<th>CHARTS</th>
<th>CHARTS APPERTAINED</th>
<th>POSITION</th>
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**Chief of Party**

H. A. Ranko

**November 20, 1946**

**Nonplotting Aids or Landmarks for Charts**

<table>
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<tr>
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<tbody>
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<td>Department of Commerce</td>
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</table>
Paragraph numbers used in this report refer to paragraph numbers in the descriptive report.


Four triangulation stations established in 1946 are included within the area of the map manuscript.


Several minor changes were made in the woodland symbolization and a number of brush areas were added north of Balch Canyon.

41. Donation Land Claims and Section Lines.

A number of section corners and D.L.C. boundaries were changed, after a careful check, to conform more closely with the General Land Office plats.

The new positions of these lines are not necessarily believed to be absolutely correct but they follow the distances and courses as given on the land plats with considerable accuracy and are considered to be more acceptable.

The Willamette Meridian was changed and moved slightly eastward.

The following section corners have been changed:

Section corner 19-24-25-30
19-20-29-30
20-21-28-29
25-30-31-36
29-30-31-32
4-5-32-33

Due, in some measure, to the relocation of section corners the following D.L.C. boundaries were changed entirely or in part:

Geo. Kittridge
Levi Potter
Peter Guild
Marcus Neff
Danford Balch
T. Carter
Wm. Blackstone

The boundaries of West Hills Municipal Golf Course and Washington Park have been changed. The west line of the Washington Park boundary changed because the T. Carter D.L.C. line changed and this line serves as the west boundary of the park.

44. Comparison with Existing Topographic Quadrangles.


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

44a. Comparison with Topographic Surveys.

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<td>1884</td>
</tr>
<tr>
<td>T-6619 a &amp; b</td>
<td>1:5,000</td>
<td>1938</td>
</tr>
<tr>
<td>T-6618 b</td>
<td>1:10,000</td>
<td>1938</td>
</tr>
</tbody>
</table>

Only a small area of the northeast corner of the manuscript is covered by the above surveys. The area has been developed since the early surveys but compares favorably with the 1938 surveys.

45. Comparison with Nautical Charts.

Refer to Record Sheet on T-8686 for comparison with nautical charts.

T-8686 has not been applied to nautical charts as of the date of this review report.

Reviewed by: Reviewed under direction of:

G. E. Dean S. V. Griffith
Photogrammetric Aid Chief, Review Section

K. N. Maki 3-18-47
Photogrammist
APPROVED BY:

Technical Assistant to the Chief, Div. of Photogrammetry

Chief, Nautical Chart Branch Division of Charts

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

From: Lt. Comdr. R. A. Earle

Subject: Map Manuscript T-8686, Project CS-322

Reference: Your Letter, 78-ROR, dated 23 April 1947 on the
Above Subject

As the adjustments and corrections to the land lines in this area had
been made directly on the map manuscript during the review in the Wash-
ington Office, and an ozalid print showing the corrected lines was fur-
nished this office, it was impossible to determine on the ozalid print
just where these changes had been made, so it was necessary to re-investi-
gate the location of these lines.

The ozalid print which is forwarded herewith, has been corrected and per-
tinent notes relative to land lines have been lettered on the print with
red pigment ink. It is recommended that the donation land claim lines
and section lines be shown on the published map as corrected on this
print. The locations shown have been established over the years by act-
ual ground surveys made by county and municipal engineers, and dimensions
have been shown so that the lines may be accurately plotted on the smooth
draft map. Due to paper distortion, in the east-west direction, difficulty
was encountered in plotting the lines on the ozalid print. This print
has expanded 132 feet in 6000 feet and this must be considered when a re-
view of these corrected lines is made. Dimensions along the section lines
have been shown so that the lines may be accurately plotted on the smooth
draft map.

Attention is respectfully called to section corner 28-29-32-33 in T 1N-1E
which should be located as shown on the ozalid print in red. This corner
was accurately located by the city surveyor, years ago.

For further information on the difficulties experienced in reviewing these
land lines on this sheet, please refer to the second, third and fourth
paragraphs of my letter dated 1 May 1947, relative to the Review and Smooth
Drafting of Map Manuscripts T-8663, T-8664 and T-8665.
In Item 41, of the review report for this sheet, it was stated that D. L.C. Boundaries were changed to conform more closely with the G.L.O. Plats. This method of correction is certainly felt to be wrong because it would tend to throw out recognized local information. These plats also contain errors, in that actual distances and directions will practically never check between recovered corners, which means that a line could be adjusted in various manners. It is definitely felt that information, which has been obtained by local surveys, as to the original location of corners (now lost) and the actual position of land lines, and the position of these lines as recognized by local engineers and shown on local maps, should be the determining factor in locating these lines and not information contained on ancient G.L.O. Plats.

R. A. Earle
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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.