8674
8675

Diag'd. on diag. ch. No. 6154 & 6146

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. ..... Office No. T-8674 ✓ T-8675 ✓ Horiz Accy Test

LOCALITY

State Oregon and Washington

General locality Columbia River - South of Clark County, Washington

Locality Vancouver, Washington

Nine-Lens Photos: 554-558 incl. 6/30/45
820-824 " 7/1/45
3597-3600 " 11/21/45
3636-3638 " 11/21/45
T-8674

194 6

CHIEF OF PARTY

R. A. Earle

LIBRARY & ARCHIVES

DATE Dec. 3, 1947

B-1870-1 (1)

8674
8675

RECORD SHEET

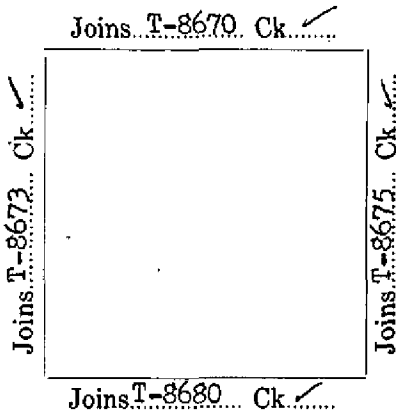
Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Columbia River, Ore., Wash. SHEET NO. T-8674

LOCALITY Vancouver, Washington PROJECT NO. CS-322

PHOTOS ORDERED July, 1945 August, 1945 REC'D 9/24/45 1/15/46 SCALE 1:8000

PROJECTION ORDERED 11/1/45 REC'D 12/4/45



CONTROL:
COMPUTED Harris VERIFIED Bunce

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce, Harris

AZIMUTHS Salazar, Davidson

PASS POINTS Bunce, Harris
Conn

TEMPLETS Bunce VERIFIED Harris

RADIAL PLOT:
PLOTTED BY Harris DATE 4/23/46 to 5/6/46

VERIFIED Deal DATE 5/7/46

COMPILATION:
DETAIL POINTS Jensen DATE 5/29/46

DETAIL BY Jensen DATE 8/1/46

VERIFIED BY Barron DATE 8/15/46 to 8/19/46

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 scale difference only a visual comparison was made with the U.S.G.S. 15 min. Portland, Oregon - Wash. quadrangle, scale 1:62500. In general common planimetric detail is in fair agreement; however, the quadrangle does not show the housing developments at Vanport and East Vanport or an island now existing east of Tomahawk Island. The Washington-Oregon state line on the quadrangle

(Continued on reverse side)

REMARKS

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

FORWARDED TO Washington, D. C. DATE October 11, 1946

R. A. Earle
Chief of Party

M-2305-12

does not agree with that shown on the map manuscript. The state line shown on the map manuscript is the middle of the Columbia River channel as transferred from nautical charts Nos. 6154 and 6155.

Comparison was made with nautical chart No. 6155 by use of the vertical projector. Disagreements were noted as follows:

> The east end of Hayden Island and an area at Lat. 45° 37' 15" and Long. 122° 41' 25" have apparently been built up since the chart was made. There is now an island east of Tomahawk Island which does not appear on the chart. The west end of Tomahawk Island has eroded. At other places where the chart and map manuscripts are in disagreement, it is apparent that the bank line as shown on the map manuscript is the high-water line of the chart.

PHOTOGRAPH DATA

Photo. No.	Date	Time	Stage of Tide
554 to 558 Inc.	6-30-45	13:30	11.9 ft. above M.L.W.*
820 to 824 "	7-1-45	12:50	11.7 ft. above M.L.W.
3597 to 3600 "	11-21-45	14:45	4.9 ft. above M.L.W.
3636 to 3638 "	11-21-45	15:00	4.9 ft. above M.L.W.

* Mean Low Water, as determined by the U.S. Engineers Portland Office at Government Moorings, Willamette River, St. John's Bridge, is 1.29 ft. above Mean Sea Level.

Form T-1

DATA RECORD

T- 8674

Quadrangle (II): Vancouver, Washington (3 minute) **Project No. (II):** C.S-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. Office Files

Completed survey received in office: 16 Oct. 1946

Reported to Nautical Chart Section: ✓

Reviewed: 8 April 1947 **Applied to chart No.** **Date:**

Redrafting Completed: 19 May 1947

Registered: ~~26 Oct.~~ 1 Dec 1947 **Published:** 1947

Compilation Scale: 1:8000 **Published Scale:** 1:9600

Scale Factor (III): None

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

Reference Station (III): Vancouver Bridge (center of draw)., Washington 1913, and 1934.

Lat.: 45° 37' 36.41"(1124.1m) **Long.:** 122° 41' 16.51"(357.7m) **Adjusted** **Unadjusted**

State Plane Coordinates (VI): Ore, North

X = 1,440,319 Y = 722,184

Military Grid Zone (VI)

* (M.H.W. = 6.29 ft. above Mean Sea Level) (M.L.W. = 1.29 ft. above Mean Sea Level) All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
554 to 558 inclusive	6/30/45	13:30	1:17000 contact	11.9ft. above M.L.W.*
820 to 824 "	7/1/45	12:50	1:8000 ratio	11.7 ft. above M.L.W.
3597 to 3600 "	11/21/45	14:45	"	4.9 ft. above M.L.W.
3636 to 3638 "	11/21/45	15:00	"	4.9 ft. above M.L.W.

Tide from (III): 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. Johns 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 camera, focal length 12 inches.

Field Inspection by: See remarks, page 3 **date:**

Field Edit by: F. H. Elrod, Prin. Photo. Aide **date:** Sept., 1946

Date of Mean High-Water Line Location (III): November 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:** November 1945

" " " **checked by:** **date:** November 1945

Control plotted by: Eda H. Bunce **date:** March 1946

Control checked by: James L. Harris **date:** March 1946

Radial Plot by: James L. Harris & J. E. Deal **date:** May 7, 1946

Detailed by: James Jensen **date:** August 1, 1946

Reviewed in compilation office by: Ree H. Barron **date:** August 19, 1946

Corrections and changes after field edit by: James Jensen date: Oct. 4, 1946

Review after changes due to field edit by: Ree H. Barron date: Oct. 7, 1946

Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr. **date:** Sept. 1946

Elevations on Manuscript checked by: Dorothy Moseley, Photo. Aide date: Jan. 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 6.9

Shoreline (More than 200 meters to opposite shore): 13 Statute miles

Shoreline (Less than 200 meters to opposite shore): 0.5 Statute miles

Number of Recoverable Topographic Stations established: 7(2 aeronautical aid's, 1 interior landmark, 2 boundary monuments, 1 section corner, 1 D. L.C. corner.)

Number of Temporary Hydrographic Stations located by radial plot:

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:

		Date:
Field Inspection:	F.H. Elrod, Prin, Photo. Aid	March 1946
Recovery of Horizontal Control:	J.C. LaJoye, Prin. Photo. Aid	Oct., 1945
Recovery of Vertical Control:	J.H. Winniford, Photo. Aid	Sept., 1945
Shoreline Inspection:	J.C. LaJoye, Prin. Photo. Aid	Feb., 1946
Investigation of Geographic:		
Names & Civil Boundaries:	L.E. Ervast, Photo Aid (C of C)	April, 1946

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Columbia River, Ore., Wash. SHEET NO. T-8675

LOCALITY East of Vancouver, Washington PROJECT NO. CS-322

PHOTOS ORDERED July, 1945 August, 1945 REC'D Sept. 19, 24, 1945 Jan. 15, 1946 SCALE 1:8000

PROJECTION ORDERED 11-1-45 REC'D 12-4-45

CONTROL:
COMPUTED Harris VERIFIED Bunce

PLOTTED Bunce VERIFIED Harris

PHOTO PREPARATION:
CONTROL Bunce, Harris

AZIMUTHS Salazar, Davidson

PASS POINTS Bunce, Harris. Conn

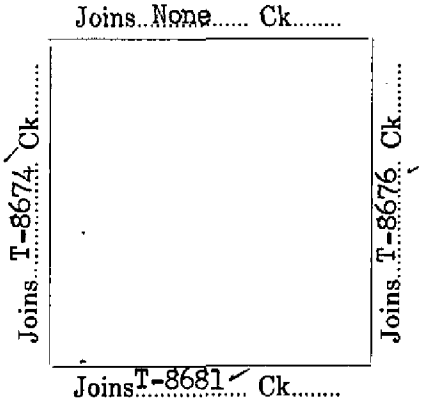
TEMPLETS Bunce VERIFIED Harris

RADIAL PLOT: 4-23-46 to
PLOTTED BY Harris DATE 5-6-46

VERIFIED Deal DATE 5-7-46

COMPILATION: 5-20-46 to
DETAIL POINTS Barron DATE 5-24-46
5-27-46 to
DETAIL BY Letson DATE 8-1-46

VERIFIED BY Deal DATE Aug. 20, 1946



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 scale difference only a visual comparison was made with the U.S.G.S. 15 min. Portland, Oregon - Wash. quadrangle, scale 1:62500. In general, common planimetric detail is in fair agreement; however, the quadrangle does not show the housing developments at McLoughlin Heights, Bagly Downs, or Ogden Meadows. Vancouver Shipyard and an island now existing east of Tomahawk Island are also

(Continued on reverse side)

REMARKS

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

FORWARDED TO Washington, D. C. DATE October 11, 1946

R. A. Earle
Chief of Party

M-2305-12

T-8675 uses a higher water level, therefore a flooded channel makes it appear that there are two islands. L.T.S.

(COMPARISONS continued)

missing from the quadrangle. The Oregon - Washington state line is in disagreement west of Ryan Point. The state line shown on the map manuscript is the middle of the Columbia River channel as transferred from charts Nos. 6155 and 6156.

Comparison was made with nautical chart No. 6156 by use of the vertical projector. In most cases where the chart and map manuscript are in disagreement it is apparent that the bank line shown on the map manuscript is the high-water line of the chart. Disagreements were noted as follows:

1- The area at Lat. 45°36' 45", between Long. 122° 36' 30" and Long. 122° 37' 15" has changed considerably since the chart was made.

2- Ryan Point Light is destroyed and has been recommended for deletion.

3- At Lat. 45° 36' 05", between Long. 122° 38' 30" and 122° 39' 00" the chart and map manuscript do not agree.

4- An island east of Tomahawk Island does not appear on the chart.

5-Land areas in the vicinity of Lat. 45° 36' 10" and Long. 122° 37' 00" have eroded since the chart was made.

PHOTOGRAPH DATA

Photo. No.	Date	Time	Stage of Tide
690 to 693 Inc.	7-1-45	10:35	11.7 ft. above M.L.W.*
761 to 764 Inc.	7-1-45	12:20	11.7 ft. above M.L.W.
3600 to 3602 Inc.	11-21-45	14:45	4.9 ft. above M.L.W.
3634 to 3636 Inc.	11-21-45	15:00	4.9 ft. above M.L.W.

*Mean Low Water, as determined by the U.S. Engineers, Portland Office at Government Moorings, Willamette River, St. Johns Bridge, is 1.29 ft. above Mean Sea Level.

Form T-1

DATA RECORD

T- 8675

Quadrangle (II): McLoughlin Heights, Washington (3 minutes) **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. Phtg. Office Files

Completed survey received in office: 16 Oct. 1946

Reported to Nautical Chart Section: ✓

Reviewed: Nov. 19, 1946 **Applied to chart No.** **Date:**

Redrafting Completed: 16 May 1947

Registered: ~~Nov.~~ Dec. 1947 **Published:** 1947

Compilation Scale: 1:8000 **Published Scale:** 1:9600

Scale Factor (III): None

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

Reference Station (III): HAZEL (WASH.) 1938

Lat.: 45° 37' - 06.816" (210.4m) **Long.:** 122° 36' - 45.875" (993.9m) **Adjusted** ~~Unadjusted~~

State Plane Coordinates (VI): Washington (South)

X = 1,452,227.56 Y = 712,268.74

Military Grid Zone (VI)

* (M.H.W. = 6.29 ft. above Mean Sea Level) (M.L.W. = 1.29 ft. above Mean Sea Level) All elevations are on the Standard 1929 general adjustment of leveling in the U.S.A.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
690 to 693 inclusive	7/1/45	10:35	1:17000 Contact	11.7 ft. above M.L.W.*
761 to 764 "	7/1/45	12:20	1:8000 Ratio	11.7 ft. above M.L.W.
3600 to 3602 "	11/21/45	14:45	"	4.9 ft. above M.L.W.
3634 to 3636 "	11/21/45	15:00	"	4.9 ft. above M.L.W.

Tide from (III): 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 0 + 00 of the gauge is M.L.W., Columbia River Which is 1.29 above Mean Sea Level.

Mean Range: **Spring Range:**

Camera: (Kind or source) K-17 camera, focal length 12 inches.

Field Inspection by: See remarks, page 3 **date:**

Field Edit by: F. H. Elrod, Prin. Photo. Aid **date:** Sept., 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 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:** November, 1945

" " " **checked by:** **date:** " "

Control plotted by: Eda H. Bunce **date:** March, 1946

Control checked by: James L. Harris **date:** "

Radial Plot by: James L. Harris & J. E. Deal **date:** May, 1946

Detailed by: Helen L. Letson **date:** Aug. 1, 1946

Reviewed in compilation office by: J. E. Deal **date:** Aug. 20, 1946
Corrections and changes after field edit by: Helen Letson date: Oct. 4, 1946
Review after changes due to field edit by: Reece H. Barron date: Oct. 8, 1946
Elevations on Field Edit Sheet checked by: Charles Hanavich, Topo. Engr. **date:** Sept., 1946

STATISTICS (III)

Land Area (Sq. Statute Miles): 6.5

Shoreline (More than 200 meters to opposite shore): 7.0 Statute miles

Shoreline (Less than 200 meters to opposite shore): 0.5 Statute miles

Number of Recoverable Topographic Stations established: 13 (3 non-floating aids to navigation, 1 interior landmark and 9 civil boundary monuments)

Number of Temporary Hydrographic Stations located by radial plot:

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:		Date
Field Inspection by:	J.H. Winniford, Photo. Aid	Feb., 1946
Recovery of Horiz. Control by:	J.C. LaJoye, Prin. Photo. Aid	Oct., 1945
Recovery of Vert. Control by:	J.H. Winniford, Photo. Aid	Sept., 1945
Shoreling Inspection:	J.C. LaJoye, Prin, Photo. Aid	Feb., 1946
Investigation of Geographic Names & Civil Boundaries by:	L. E. Ervast, Photo. Aid (C of C)	April, 1946

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 photoindex, 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

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COMPILATION REPORT

MAP MANUSCRIPTS NUMBERS T-8674 and T-8675

PROJECT CS-322

24 fall on 8674
9 fall on 8675

26. Control

Thirty-~~eight~~ Three horizontal control stations were recovered and fall in the area of these two map manuscripts. Eighteen of these were satisfactorily identified on the field photographs. These identified horizontal control stations were well spaced over the area, except in the northeast part of Map Manuscript No. T-8675, where it was necessary for the field units to establish two triangulation stations in order to control the photographs.

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 Second Radial Plot", which is included with this descriptive report. Removed and Filed in Div. Photogram. General Files, under "Sp'l. Rep'ts."

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 Second Radial Plot", which is being forwarded to the Washington Office. → Filed in Library & Archives under G-6785

Parkhill Cam. W.T. & Temp Trav C-6 on T-8675 Shumway H. Sch. sketch on T-8674

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, Second Radial Plot, Project CS-322", which is attached. Removed and Filed in Div. Photogram. General Files, under "Sp'l. Rep'ts."

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 reflight 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 descrepancy 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, which will be forwarded with the map manuscripts, were used to supplement the photographs:

McLoughlin Heights Layout Plan, Scale: 1"=200'. with ms T-8675
Vancouver Shipyard Building Location Plan, Scale: Unknown. with Descr Rept T-8675
Bagley Downs Layout Plan, Scale: Unknown. ms T-8675
Ogden Meadows Layout Plan, Scale: Unknown. ms T-8675
Vancouver Staging Area, Sheet 2, Vancouver Barracks, 1"=1200'. with ms T-8674
Fourth Plain Village, Scale: 1"=100'. ms 8675
Fruit Valley Homes, Scale: Unknown. with Ms encl. 8674

The following maps and plans, which were also used, will be forwarded with map manuscripts of adjacent sheets: Proj File

Vicinity Map-Vancouver, Scale: 1"=1000'.
Map of City of Vancouver, Scale: Unknown.
East Vanport, Oregon, Scale: 1"=300'. Descr Rept T-8674
Vanport City Layout Plan, Scale: Unknown.
Track Map, S.P.& S. Ry Co., Scale: 1"=400'.
Vancouver, Washington, Scale: 1"=600'.
Map of City of Portland, Scale: 1"=1500' approx.
Sheets 23,24,25, and 35 of a set of 74 sheets published by the Multnomah County Assessor's Office, Scale: 1"=600'.

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 continous 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 indicated some indefinite areas which bare at low-water. They have been shown enclosed in a dotted black acid ink line and appropriately noted. 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 small islands and a few rocks covered at low-water. They have been shown in accordance with the data submitted by the field inspection units.

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-8674: GRAIN ELEVATOR, has been recommended for retention as a landmark on nautical chart No. 6155 and for charting on nautical chart No. 6154. Form 567 is attached.

In the area of Map Manuscript No. T-8675, form 567 is attached for the radially plotted positions of the following non-floating aids to navigation:

LEISER POINT LOWER RANGE REAR LIGHT, 1946.
LEISER POINT LOWER RANGE FRONT LIGHT, 1946.

Form 567 is attached for the radially plotted position of a new non-floating aid to navigation, namely:

LEISER POINT LIGHT NO. 13, 1946.

Form 567 is attached for the deletion of the non-floating aid to navigation, "RYAN POINT LIGHT", which has been destroyed.

35. Hydrographic Control:

No additional hydrographic stations were established along the Columbia River. A sufficient number of existing horizontal control stations were recovered in this area to comply with the instructions.

36. Landing Fields and Aeronautical Aids:

Pearson Airpark (private airport) falls within the limits of these two map manuscripts. Copies of form 567, recommending the charting as an aeronautical landmark of "RADIO MAST", Station "KVAN", Vancouver, Wash.

and for the retention as aeronautical landmarks of the East and West Radio Masts of radio station "KGW", Portland, Oregon, are attached. These three aeronautical aids fall within the limits of T-8674.

37. Geographic Names:

Only undisputed geographic names are shown on the map manuscripts. RIM ✓ Geographic names are the subject of a special report, "Investigation of Geographic Names, Project CS-322, Area of the Second Radial Plot", which is being submitted.
→ Filed in Geographic Names Section, Div. of Charts

38. Recoverable Topographic Stations:

Copies of Forms 524 are being submitted for the following:

In the area of Map Manuscript No. T-8674

RADIO MAST, Station "KVAN" Vancouver, Wash., 1946.
RADIO MAST, West of 2 "KGW" radio station towers, 1946.
TANK, (elevated), Fruit Valley Homes, 1946.
Vancouver City Limits Monument "1", 1946.
Vancouver, City Limits Monument "2", 1946.
T 2N-R 1E, section corner 21,22,27,28, 1946.
Most Easterly Northwest Corner of Wm. Ryan, D.L.C., 1946.

In the area of Map Manuscript No. T-8675

Leiser Pt. Lower Range Front Light, 1946.
Leiser Pt. Lower Range Rear Light, 1946.
Leiser Pt. Light No. 13, 1946.
Vancouver City Limits Monument, 1946 (North Boundary).
Vancouver City Limits Monument, 1946 (East Boundary).
Vancouver City Limits Monument, 1946 (East Boundary).
TANK, (elevated), McLoughlin Heights Housing Project, 1946.
N.E. Cor. U.S. Military Reservation, 1946.
N.E. Cor. R. Rockett, D.L.C., 1946.
S.W. Cor. G.B. Ernest, D.L.C., 1946.
N.W. Cor. E. Moore, D.L.C., 1946.
S.W. Cor. J. Durgan, D.L.C., 1946.
T 2N-R 1E, section corner 11,12,13,14, 1946. N.A 8671

39. Junctions:

See Review Report Section Lines + D.L.C. Lines.

Complete and satisfactory junctions have been made between Map Manuscripts Nos. T-8674 and T-8675, 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 ft. lettered nearby.

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

41. Donation Land Claims and Section Lines:

Donation Land Claims 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.

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
Chief of Party

Respectfully submitted:

October 7, 1946.

J. Edward Deal Jr.

J. Edward Deal, Jr.
Photogrammetric Engr.

FIELD EDIT REPORT
T-8674 and T-8675
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 drafting of detail that seemed to be questionable was called to the attention of the Compilation Office by notes. The additional names and numbers of roads which were indicated on the prints were obtained and checked against the road signs.

Pearson Airpark (private field) was located on field photograph 557 and falls in both sheets. It was located by planetable methods.

This area was extensively developed during the war years in regard to housing, shipyards, military posts, etc.. Since the end of the war some of these developments are being abandoned, moved, transformed, and so forth. Various government, city, county, and state agencies were consulted on the disposition of these various developments and the information that was obtained is shown on the field edit sheets by appropriate notes. This official information was obtained at the time of the field edit; however the orders and plans are subject to change.

The names of churches which were omitted during the field inspection were obtained during the field edit.

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. R. Morris, Deputy County Road Engineer, Clark County Engineer's Office, Vancouver. The geographic names in this area have been reviewed by Mr. Lewis A. McArthur, Collaborator for the U.S.Coast and Geodetic Survey. 814 ✓

In accordance with the Acting Director's letter dated 29 August 1946 the investigation of the Donation Land Claims was done by a special 2-man field party. Inasmuch as the field edit sheets were printed prior to the completion of this phase of the work, the Donation Land Claims are shown only on the map manuscripts.

48. Accuracy Tests:

Results of the horizontal accuracy test on T-8675 are attached to the back of this report. For data on this 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 tests in this area refer to the field edit report submitted for T-8676 and T-8677.

These maps are believed to comply with the standard map accuracy requirements.

49. Bench Mark Elevations:

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

Field Edit reviewed by:

Charles Hanavich,
Topo. Engr.

Field Edit by:

F. H. Elrod,
Prin. Photo. Aid

Approved by:

R. A. Earle,
Chief of Party

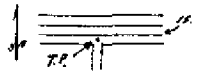
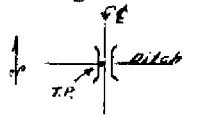
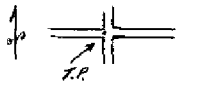
HORIZONTAL ACCURACY TEST
Map Manuscript T-8675
Project CS-322

The first five test points were established on the traverse run between triangulation stations HAZEL,1938 and SNAG 3,(USE),1945. The traverse is 8.5 statute miles in length and contains 25 test points; 5 of which are within the limits of this map manuscript.

The last three test points were established on the spur traverse run between temporary traverse stations B 20 and C 6. The traverse is 1.7 statute miles in length and contains three test points, which are within the limits of this map manuscript. For additional information on this spur traverse refer to item 3a of the "SPECIAL REPORT, THIRD-ORDER TRIANGULATION AND TRAVERSE, PROJECT CS-322, AREA OF THE SECOND RADIAL PLOT."

In the tabulation the geographic 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

Description of Point	Test Point Number	Latitude	Longitude	Displacement in mm
	T.P.No.B22-1	45 37 1250.4	122 36 468.3	
	M.M.No.B22-1	45 37 1252.0	122 36 468.0	.16
	T.P.No.B22-2	45 37 1292.0	122 36 655.5	
	M.M.No.B22-2	45 37 1291.8	122 36 655.5	.02
	T.P.No.B23-1	45 37 1276.9	122 36 964.0	
	M.M.No.B23-1	45 37 1274.3	122 36 965.1	.28
Inter. of T-rd	T.P.No.B23-2	45 37 1093.2	122 36 966.8	
90 degrees	M.M.No.B23-2	45 37 1091.1	122 36 965.8	.23
Inter. of T-rd	T.P.No.B24-1	45 37 527.0	122 36 963.8	
90 degrees	M.M.No.B24-1	45 37 529.6	122 36 963.4	.26
	T.P.No. 1	45 38 153.1	122 36 287.0	
	M.M.No. 1	45 38 152.0	122 36 286.2	.14
	T.P.No. 2	45 38 362.1	122 36 288.8	
	M.M.No. 2	45 38 363.8	122 36 288.0	.19
	T.P.No. 3	45 38 573.4	122 36 290.8	
	M.M.No. 3	Short drive to school - not compiled.		

All the points were well defined and were found to test well within the accuracy requirements.

Approved By:

R.A.Earle
Chief of Party

Respectfully Submitted:

C. Hanavich
C. Hanavich
Photo. Engr.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Project CS-322
T-8675

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

Portland, Oregon, August 26, 1946

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

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

Chief of Party.
R. A. Earle

STATE: Columbia River
East of Vancouver, Washington

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE								
			° ′	D.M. METERS	° ′	D. P. METERS							
	RYAN POINT LIGHT		45 36	1244.0	122 38	569.0	1927	N. A. Scaled Chart 6156	Aug.46		X		#6154 6155 6156

NOTE: This light has evidently been torn down as no structure was found in this vicinity.

Chart letter 66 (1947)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Project CS-322
T-8675

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

Portland, Oregon, August 26, 1946

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

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

R. A. Earle, *Chief of Party.*

STATE	Columbia River East of Vancouver, Washington		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
	LEISER POINT, Lower Range Front Light, 1946		45 36	(744.0) 1108.4	122 36	(547.9) 752.3	N.A. 1927	Radial Plot	July 1946		X		#6156
	LEISER POINT, Lower Range Rear Light, 1946		45 36	(559.8) 1292.6	122 37	(1232.6) 67.5	"	"	"		X		#6156
		NOTE: The geographic positions of the above non-floating aids to navigation are in agreement with the charted positions on chart #6156.											
	Chart letter 662 (1946)												

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Project CS-322
T-8675

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

Portland, Oregon October 4, 1946

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

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

R. A. Earle
Chief of Party.

STATE: Washington (Columbia River East of Vancouver, Wn.)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION: LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LEISER POINT #13 (Flashing green 0.4 Sec. Eclipse 3.6 sec.)		45 36	(719.8) 1132.6	122 37	(1176.1) 124.1	N. A. 1927	Radial Plot	9/17/46		X		6156
	Chart letter 66-(1946)												

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Division of Photogrammetry

Review Report of

Planimetric Map T-8674

Subjects not used in this review report have been adequately covered in other parts of the descriptive report.

26. CONTROL:

Triangulation Station Pacific has been added to the map manuscripts. This station had been recovered and listed in the special report on recovered control stations.

28. DETAILING:

Some of the detailing along the waterfront has been revised slightly and the woodland on Hayden and Tomahawk Islands recompiled.

30. MEAN HIGH WATER LINE:

Minor adjustments have been made to the mean high water line along the northern shore of the Columbia River west of the Vancouver bridge, from the Interstate bridge east to the Vancouver ship yards and also on the west end of Tomahawk Island.

41. LAND LINES:

The land lines on map manuscripts T-8673 and T-8674 have been revised to join between the two maps. This necessitated moving the east and west section lines considerably on both maps to affect a satisfactory junction and also to a junction with T-8680.

44. COMPARISON WITH QUADRANGLES:

A visual comparison of this map manuscript with U.S.G.S. quadrangle Portland, 1:62,500, indicates general agreement between the two maps. T-8674 supersedes the quadrangle for all planimetric detail.

45. COMPARISON WITH NAUTICAL CHARTS AND TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS:

The planimetry of T-8674 supersedes the planimetry of all existing topographic and hydrographic surveys and the nautical charts Nos. 6154 and 6155.

T-8674 has not been applied to the nautical charts as of the date of this review report.

Reviewed by:

Lena T. Stevens
Lena T. Stevens 8 Apr.1947
Photogrammetrist

Reviewed under direction of:

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

APPROVED BY:

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

Chief, Nautical Chart Branch
Division of Charts

K.T.Adams
Chief,Div. of Photogrammetry

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

Division of Photogrammetry

Review Report of

Planimetric Map T-8675

Subjects not used in this review report have been adequately covered in other parts of the descriptive report.

44. COMPARISON WITH EXISTING TOPOGRAHPIC QUADRANGLES

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

A comparison with the above quadrangles shows that the map manuscript and the quadrangles are in good general agreement in comparable detail; but that the great amount of more recent detail on the map manuscript makes the quadrangles obsolete in the areas covered by the map manuscript, ~~of~~ T-8675

45. COMPARISON WITH NAUTICAL CHARTS

Nautical chart 6156 has been compared with this map manuscript by the compilation office and the discrepancies are noted on the back of the Record Sheet filed in this descriptive report.

49. DONATION LAND CLAIMS

Several Donation Land Claims were added to the map manuscript during review, in order to make it agree with General Land Office information.

T-8675 has not been applied to the nautical charts as of the date of this review peport.

Reviewed by:

Lena T. Stevens
Lena T. Stevens 19 Nov.1946
Photogrammetrist

Reviewed under direction of

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

APPROVED BY:

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

K.T. Adams
Chief, Div. of Photogrammetry

H.C. Lindsley
Chief, Nautical Chart Branch
Division of Charts

E. K. Green
Chief Division of Coastal Surveys

GEOGRAPHIC NAMES

Survey No. T-8674-8675

1 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Names on both sheets:									USGB	1
Washington									"	2
Oregon									"	3
Columbia River									"	4
Clark County										5
Multnomah County										6
Spokane, Portland and Seattle										7
U.S. 830/Washington 8		(Evergreen Highway)								8
Vancouver										9
Vancouver Airport										10
Vancouver Barracks										11
Washigton No. 8A										12
Friendly Reach		(section of Columbia River from mouth Willamette R to about long. 122 37': apply to main channel, north of Hayden I)							USGB	13 14
T-8675P										15
Ryan Point									"	16
Burntbridge Creek									"	17
McLoughlin Heights		(residential area)								18
Ogden Meadows		"								19
Ogden Meadows Junior High School										20
Vancouver Shipyard										21
Vancouver City Cemetery										22
State School for the Blind			(Washington)							23
Hudson House		(housing project)				(Hudson House is name of P.O. here)				24
Harney Hills Branch		(McLoughlin Heights housing project)								25
Fourth Plain Village		(housing project)								26
Bagley Downs		"								27

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GEOGRAPHIC NAMES

Survey No. T-8675/8674

2 Name on Survey	On Chart No. A	On previous survey No. B	On U.S. quadrangle Maps C	From local information D	On local Maps E	P.O. Guide or Map F	Rand McNally Atlas G	U.S. Light List H	K	
T-8675, continued:										1
Bagley Downs Elementary School										2
John Rogers Elementary School										3
Clark County Hospital										4
Parkhill Cemetery										5
Portland Yacht Club		(part of its installation)								6
										7
										8
T-8674:										9
Tomahawk Island	"	(note that part of it is shown on T-8675; USGB older maps do not should any island upstream from long. 122 39'.								10
										11
Hayden Island	"								USGB	12
Jantzen Beach Park	"									13
North Portland Harbor	"								"	14
Interstate Bridge	"									15
Pearson Field } Aband. Dec. 1943	See Vancouver A.F.	(part of Vancouver Barracks area)								16
U.S. 99/Washington 1	"									17
U.S. 99	"	(Oregon, on bridge)								18
U.S. 99E	"	"	(unable to find any stateroad numbers for 99E and 99W U.S.)							19
U.S. 99W	"	"								20
Vanport City	"									21
East Vanport	"									22
Force Lake	"									23
Radio Station KGW	"									24
Columbia School, Dist. No. 33			(Oregon)							25
Schools Nos. 2,3,4		"	"							26
Portland Yacht Club	"		(main installation)							27

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GEOGRAPHIC NAMES

Survey No. T-8674/8675

3 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
T-8674, continued:										1
Vancouver Terminal 2		(dock installation)								2
Radio Station KVAN			(Washington)							3
Fruit Valley Homes			" , housing project							4
Fruit Valley School										5
Northern Pacific		(note that Great Northern and Union Pacific								6
		also use this line, the former in								7
		Washington, and latter and both Oregon								
		and Washington)								8
Mud Slough			(Oregon)							9
Multnomah-Clackamas Game Refuge										10
Port of Vancouver		(administrative area of port, not water area)								11
										12
(N.B. The above list was made up without the descriptive report: some										13
modification or additional names may be necessary).										14
										15
										16
										17
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										26
										27

M 234

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

T-8674 CS-322

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

Portland, Oregon October 4, 1946

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

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

R. A. Earle *Chief of Party.*

STATE Washington

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
GRAIN ELEVATOR	Triangulation Station VANCOUVER, GRAIN ELEVATOR TOWER, 1934.		45 37	(354.4) 1498.0	122 41	(677.3) 622.3	N.A. 1927	Trian-gulation	1934		X		6154 6155

Chart letter 248 (1947)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

CS-322

NONFLOATING AIDS OR LANDMARKS FOR CHARTS T-8674 (Aeronautical)

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

~~Portland, Oregon~~ ~~October 4,~~ , 1946

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

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

R. A. Earle *Chief of Party.*

STATE: Washington and Oregon

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
RADIO MAST	Station "KVAN" Vancouver, Wash.		45 38	(787.2) 1065.2	122 41	(729.1) 570.3	N.A. 1927	Radial Plot	3/14/46		X		W-1
	Recommended for retention as aeronautical landmarks.												
RADIO MAST	West of 2 KGW radio station in North Portland, Oregon.		45 36	(1650.1) 202.3	122 41	(875.1) 425.3	N.A. 1927	Radial Plot	4/2/46				W-1
RADIO MAST	Triangulation station PORTLAND, KGW RADIO TOWER, 1938.		45 36	(1706.1) 146.3	122 41	(1109.3) 191.0	N.A. 1927	Trian-gulation	1938				W-1

Letter 248(1947)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

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

POST-OFFICE ADDRESS:
TELEGRAPH ADDRESS:
EXPRESS ADDRESS:

18 April 1947

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

From: Lt. Comdr. R. A. Earle

Subject: Review of Map Manuscripts T-8673 & T-8674

Reference: Your Letter, 78-RCR, dated 10 April 1947

In reply to the above reference, you are respectfully informed that after a thorough investigation and conferences with various county and city engineers, we feel that the Willamette Meridian, as originally located on the map manuscripts, was correct. All local county engineers are agreed that this line and various section lines offset at the Washington shore; therefore, the method of adjusting this base between recovered corners in the States of Washington and Oregon, is felt to be in error (see review report for T-8673).

An additional ozalid print of sheet T-8673 on which the correct location of the Willamette Meridian is shown in red ink, is being forwarded. The azimuths and distances given were obtained from the office of Mr. Claude Powers, Multnomah County Surveyor. The monuments shown are reset monuments which were not recovered by this office, however, past experience leads us to believe that the local surveys were accurate and Mr. Powers has personally recovered and checked the location of several of the monuments. The position of this meridian which is in the same position as the one originally shown on the map manuscript, is also the position accepted by local engineers.

Available information indicates that the Township and Section Lines in the State of Washington were run south to the south sides of Hayden and Tomahawk Islands, which at that time were included in that state. In the State of Oregon, they were run north to what was at that time the south shore of the Columbia River. Local surveyors and engineers who have had experience with the lines state that offsets exist in the lines between the States of Oregon and Washington. For example, the position of the section line between sections 30 and 29, T 2N R 1E at the south shore of Hayden Island if extended to the Oregon shore, would be 146 feet west of the extended parallel line in Oregon. In other words, there was an offset of 146 feet.

The entire area of the Wm. Bybee Donation Land Claim, which was partially omitted on the map manuscript, has been shown. Part of this claim is on the extra print of T-8673 and part on an ozalid print of T-8672. These prints and a copy of the description of this claim are being forwarded.

The township line between T 1N and T 2N has been corrected and is shown in green ink on the extra ozalid print of T-8673 and the original ozalid print of T-8674.

The corner 3-4-33-34, T 1N and T 2N has been relocated on the original print of T-8674. Two measurements have been shown to the corner and two blueprints, obtained from the Multnomah County Assessor Office, showing the location of the corner, are being forwarded. The original corner was destroyed by new highway construction but it is believed that the data given is correct.

It will be necessary to re-draw the Willamette Meridian, in its original position, and many of the D. L. C. and Section Lines to conform with this new data; however, the original map manuscripts which are in the Washington Office are needed to do this work in a satisfactory manner. The investigation of the land claim lines and section lines on these two map manuscripts clearly demonstrates that these lines cannot be adjusted in the manner recommended in the U. S. Geological Survey Topographic Manual. It is agreed, however, that there were two direct errors made by this office. The south line of the Wm. Bybee D.L.C. was not correctly located and the corner 3-4-33-34 T 1-2N was not properly investigated in the field.

+ ½" failure in junction between T-8673-4

Your attention is respectfully called to the fact that it is most difficult to check the changes you make in these lines. This is due to the fact that we have neither the contact or ozalid prints, on which the claims or lines were located by the field party, and also because the sub-party chief, who had been in charge of this work on the Chamber of Commerce rolls, resigned several months ago to accept another position outside of Oregon which means that a complete new study and series of consultations, has to be made. We do, however, still request that all changes made in your office be sent to this office for review, as many of the lines cannot be adjusted by any standard method. As stated in my letter of 11 April 1947, all these lines were checked against county records and by county engineers and while there may be errors, it is felt that many changes, which the reviewers would make, would be occasioned by the lack of knowledge of local conditions and data which proved the original plats in error. It is assumed that all data shown on the 1:7,000 scale contact prints as well as the ozalids is being utilized to review these land lines.

Prints and other data are being forwarded under separate cover.

R. A. Earle
Chief of Party

RAE/gw

78-RCR

10 April 1947

TO: Lt. Comdr. Robert A. Earle
U. S. Coast and Geodetic Survey
c/o Swan Island Postal Station
Portland 18, Oregon

Subject: Review of map manuscripts T-8673 and T-8674

Your attention is called to the adjustment made to the Willamette Meridian on map manuscript T-8673 in accordance with your request. This adjustment has necessitated a review and realignment of the meridian through the entire project and has been made by constructing tangents between recovered corners, as discussed in a previous letter.

It is further called to your attention that the section lines between the subject manuscripts did not junction and that this has necessitated a large shift in the positions of the lines on T-8673 and back to recovered corners on T-8674.

Please inform me if the adjustments made are proper, and if not, send us your interpretation at your earliest convenience.

K. T. Adams
Chief, Div. of Photogrammetry

Enclosures:
Review report and ozalid print
of T-8673 and T-8674

forwarded 4/11/47

Tentative Review Report for
Planimetric Survey T-8675

Paragraph numbers not used in this review report are adequately covered in other parts of the descriptive report.

The map manuscript is complete and adequate except as noted hereafter.

44. Comparison with Existing Topographic Quadrangles.-

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

A comparison with the above quadrangles shows that the map manuscript and the quadrangles are in good general agreement in comparable detail; but that the great amount of more recent detail on the map manuscript makes the quadrangles obsolete in the areas covered by the map manuscript of T-8675.

45. Comparison with Nautical Charts.-

Nautical chart 6156 has been compared with this map manuscript by the compilation office and the discrepancies are noted on the back of the Record Sheet filed in this descriptive report.

49. Donation Land Claims.-

Names on map manuscript but not listed in the special report "Investigation of Boundary Monuments and Lines...."

1. John Switzler
2. Sarah Wilson
3. G Millard

Boundary Lines which need investigation:

1. Pat Donegan: General Land Office Plat shows this claim to extend farther north and west (in the northern part) than is shown on the map manuscript. = R Downing

2. N. F. Nicholson and I. Van Vleet Donation Land Claim: The western limits extend into the area of T-8675 (to meet the northern extension of Pat Donegan)?

3. John Maney Donation Land Claim: Not shown on map manuscript. Vancouver City map shows this claim to lie south of Robert Rockett claim.

see letter attached

4. H. K. Hines Donation Land Claim: Not shown on map manuscript. Vancouver City map shows this claim to lie south of Edward Moore claim, but does not indicate its eastward limit.

5. The Phillip Christ, Henry Schuh, and Levi Douthit Donation Land Claims shown on the General Land Office Plats are not shown on this map manuscript, nor is there any data pertaining thereto in the descriptive report.

6. Phillip Christ, Henry Schuh, Levi Douthit (DLC's) Not on map manuscript. (General Land Office Plat)

This review report will be redrafted when the Portland Photogrammetric Office provides the information necessary to complete the details of this map manuscript indicated in paragraph 49 above.

Reviewed by: Reviewed under direction of:

Photogrammetrist 11/19/46 Chief, Review Section

APPROVED BY:

KTA
78

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

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

16 January 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-8675

Reference: Your Letter, 78-RCR, dated 2 January 1947

In reply to paragraph 49 of the "Tentative Review Report for Planimetric Survey T-8675" the following is submitted:

1. and 2. The names John Switzler and Sarah Wilson were listed in the special report "Investigation of Boundary Monuments and Lines, Project CS-322, Area of the Second Radial Plot"; however, they were shown in the tabulation under Quadrangle T-8681 rather than under T-8675. Since the names of these Donation Land Claims in the above mentioned report were compiled from field photographs on which the limits of each quadrangle have been visually approximated, it is possible that several names have been omitted from quadrangles into which the claims overlap.

1. Patrick Donegan: The limits of this claim have been checked and are shown on the ozalid. The legal description as obtained at the County Courthouse in Vancouver, Washington, is:

> Beginning at a point 11.31 chains W and 17.24 chains N of section 29-30-31-32 in T 2N R 1E, thence W 22.50 chains to the NW corner of said claim, thence S to the Columbia River, thence along the meanders of the Columbia River to the intersection of the W line of Louis Leiser, Donation Land Claim, thence N to place of beginning.

The northerly portion of the original P. Donegan D.L.C. is now listed as the R. Downing Land Claim (pre-emption).

2. N. F. Nicholson and I. Van Vleet Donation Land Claim: The limits of these claims have been checked and are shown on the ozalid. They are Land Claims (pre-emption, mineral or timber). The W limits of these claims are the E line of R. Downing Land Claim and P. Donegan Donation Land Claim.

3. John Maney Land Claim: This Land Claim was granted after the land surveys of 1863. No legal description of this claim could be located from either the City Engineer or the County Surveyor in Vancouver. The only information available in regard to this claim was from an old plat in the County Surveyor's Office in Vancouver. This plat indicates this claim as a Land Claim (pre-emption, mineral or timber) and it has been indicated as such on the ozalid. There were no courses or distances indicated on this old plat.

   This claim has been indicated on the ozalid print as shown on the City Map of Vancouver. A portion of this claim also falls in T-8674; the S boundary of this claim extends to the E boundary line of Vancouver Barracks.

4. H. K. Hines Land Claim: See the first paragraph pertaining to the John Maney Land Claim. This Land Claim has been checked and is shown on the ozalid. The E line of this claim falls along range line T 2N R 1E-2E.

5. and 6. The Phillip Christ, Henry Schuh, and Levi Douthit Donation Land Claims: The limits of these claims have been checked and are shown on the ozalid. These Donation Land Claims were inadvertantly omitted as the man responsible for these lines did not realize they were within the limits of this quadrangle. Your attention is called to the fact that the correct spelling is Levi DOUTHIT and not Doulhit.

   Note: The limits of the claims in question have all been indicated and crosshatched in red on the ozalid print.

R. A. Earle
Chief of Party

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8674, T 8675

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6/17/48	6156	Pisegani	~~Before~~ After Verification and Review Partially appld. T.8674 T.8675
13 Dec 49	6155	Nichols	~~Before~~ After Verification and Review Both completely applied.
1 Aug 50	6156	Nichols	~~Before~~ After Verification and Review Both completely applied to Reconstruction.
31 Jan 64	6154	J. McMillen	~~Before~~ After Verification and Review Both Completely applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-I

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.