

6533

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Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. "G"

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 18 1937

Acc. No. _____

State Washington

LOCALITY
Deschutes Waterway
Olympia to Tumwater

~~_____~~

1936.

CHIEF OF PARTY

G. C. Jones.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "G"

REGISTER NO. T-6533

State Washington

General locality ~~West Sound~~ Deschutes Waterway

Locality Olympia to Tumwater

Scale 1:5,000 Date of survey September, 19 36

Vessel U.S.C. & G.S.S. EXPLORER

Chief of party G. C. Jones

Surveyed by Fred A. Riddell

Inked by Fred A. Riddell

Heights in feet above M.H.W. to ground ~~to tops of trees~~

Contour, Approximate contour, ~~Form line~~ interval 50 feet

Instructions dated March 29, 19 34.

Remarks: Project HT-171

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "G",

OLYMPIA - TUMWATER,

PUGET SOUND, WASHINGTON.

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1 9 3 6

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G. C. Jones, Chief of Party, C. & G. S.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "G",

OLYMPIA - TUMWATER, WASHINGTON.

AUTHORITY:

This survey was made in accordance with the Director's Instructions dated March 29, 1934, Project No. HT-171. ✓

CONTROL:

The triangulation is on the 1927 North American Datum, is of second order, and was executed in 1936. ✓

SURVEY METHODS:

Standard plane table practices were followed. A closed traverse supplemented by graphic triangulation was run south from station "WARREN". Failing to close by four meters it was adjusted on cuts taken from stations "WARREN" and "PERCIVAL", to signals on prominent points. ✓

CONTOURS:

Few contours are shown on this sheet. In general the banks are heavily wooded bluffs and in my opinion the contours on chart No. 6462, are of more value than any which could be obtained without an unwarranted amount of additional field work. Elevations were determined at frequent intervals as a check on the contours of the present chart. ✓

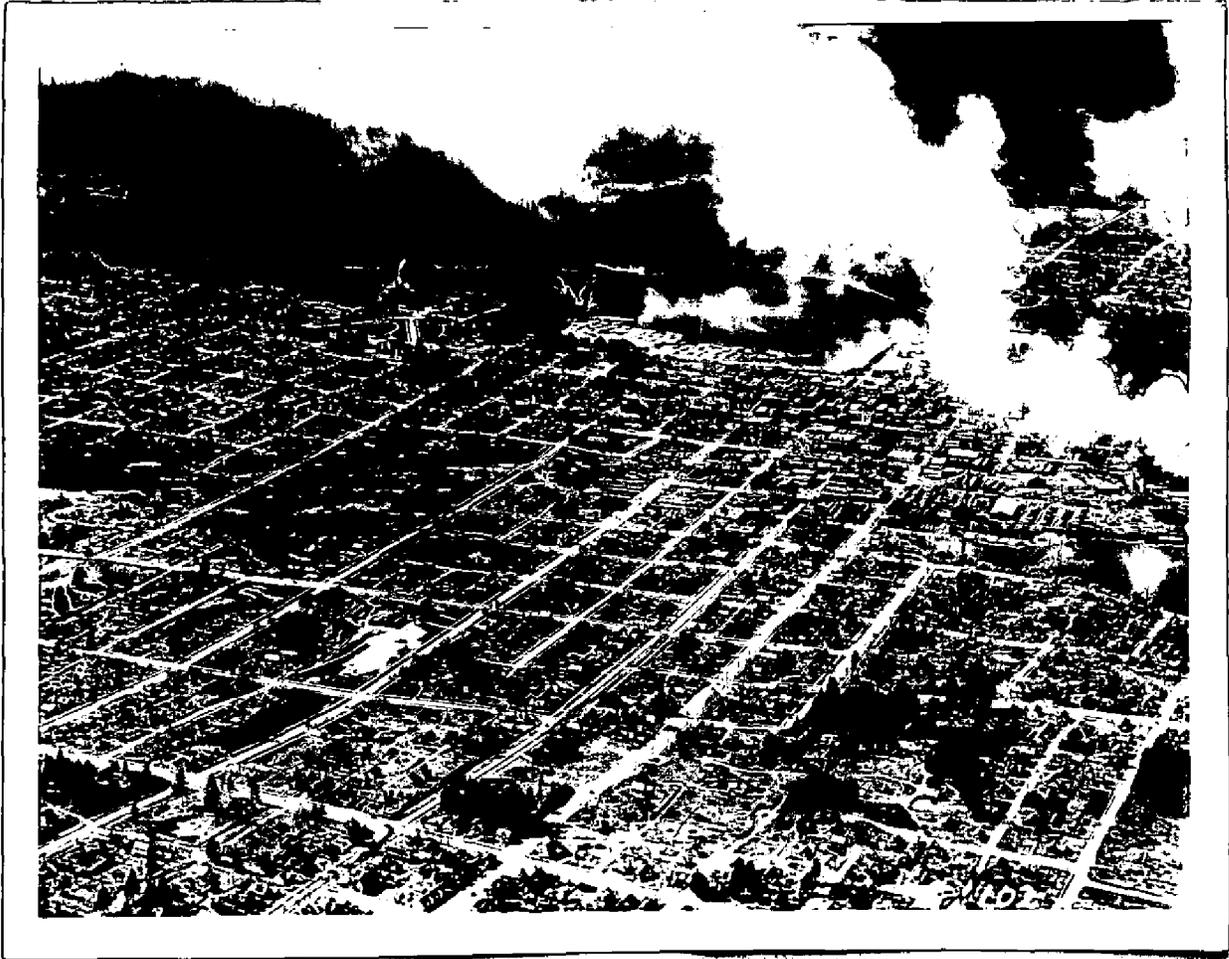
CHARACTER OF COUNTRY:

The banks in general are bluffs heavily wooded with second growth timber, bushes and small trees extending to, and overhanging the high water line. ✓

At Percival Point is an exposed clay bank about fifty feet in height. ✓

The waterway, mud bottom, goes dry at low water except for a small stream coming from the Deschutes River. The approximate course of this stream is indicated by dashed pencil lines. Tugs follow the course at half tide using the piles as aids. ✓

The capitol buildings are located on comparative-ly level ground about 120 feet above the water. From most places along the shore only the dome is visable above the trees.



The above aerial photograph gives a general idea of the character of the area covered by this survey.

COMPARISON WITH CHART NO. 6462:

Because of the difference in scale no detailed comparison of the shore line was made.

The track shown along the west bank south of Warren point has been abandoned and the trestle between Percival and Warren Points is used only as a siding.

The bridge north of Tumwater is in ruins.

The buildings shown at Tumwater differ considerably. The buildings on the sheet were built originally for a brewery. Later they were converted into a paper mill which at the present time is not operated.

There is no float or building off-shore from the Freight Station as shown on the Chart.

There are, however, numerous small shacks along the shore.

TOPOGRAPHIC SIGNALS:

The topographic signals below high water are not of a chartable nature.

GEOGRAPHIC NAMES:

NAME	SOURCE OF
Deschutes Waterway	Letsker's County Atlas

Respectfully submitted,

Fred A. Riddell

Fred A. Riddell,
Jr. H. & G. Engr.,
U.S.C. & G.S.S. EXPLORER.

APPROVED & FORWARDED: *sheet examined & approved*

J. C. Jones
J. C. Jones,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

STATISTICS

Statute miles of shoreline	5.6
Statute miles of roads	1.6
Statute miles of railroads	3.9
Area, square statute miles	1.9

Remarks

Decisions

1		
2		
3		<i>ch'd since 1876</i>
4		<i>USGB decision</i>
5	<i>Enters Puget Sd. at Olympia (Meany)</i>	<i>USGB decision</i>
6		
7		<i>Not on this sheet</i>
8		<i>ch'd since 1876</i>
9		<i>" "</i>
10		<i>" "</i>
11		<i>USGB decision</i>
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GEOGRAPHIC NAMES

Survey No. T-6533

On Chart No. 6462
 On previous survey No. H-1301
 On U.S. Quadrangle Maps 26865
 From local information
 On local Maps see D.R. Pt. 3
 P. O. Guide or Map
 Rand McNally Atlas
 U. S. Light List
H.R. Doc. 244
64 Cong. 1906-5

Name on Survey

	A	B	C	D	E	F	G	H	K	
Deschutes Waterway <i>OK see below</i>										1
<u>Tumwater</u>	✓	✓ T-1327				✓				2
<u>Monroe Point</u>	✓	✓								3
<u>Olympia</u>	✓ app'd									4
<u>Deschutes R</u>	✓ app'd									5
<u>Deschutes Waterway</u>			✓		✓				✓	6
<u>Olympia Hbr.</u>	✓	✓							✓	7
<u>Percival Pt</u>	✓	✓								8
<u>Warren Pt</u>	✓	✓								9
<u>Capitol Pt</u>	✓	✓								10
<u>Washington</u>	✓ app'd									11
										12
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Names underlined in red approved
 by WHE on 5/28/37

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~NOTE~~
~~PHOTOSTAT OF~~ } No. T-6533

{ received May 18, 1937
 { registered May 20, 1937
 { verified
 { reviewed
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
✓ 25		CKG	sent memo
26			
30			
40			
62			
63			
82			
✓ 83			
88			
90			

RETURN TO

82	C. K. Green
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Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6533 (1936) FIELD NO. G

Olympia to Tumwater, Deschutes Waterway, Washington
Surveyed in Sept. 1936, Scale 1:5,000
Instructions dated March 29, 1934 (EXPLORER)

Plane Table Survey

Aluminum Mounted.

Chief of Party - G. C. Jones.
Surveyed and inked by - F. A. Riddell.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Topographic Manual except that there is no evidence that the declinatoire was checked at a station of known declination during the season's work. (par. 17). The magnetic meridian was shown and the declination checked the charted value.

The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The plan, character, and extent of the survey satisfy the instructions for the project.

3. Junction with Contemporary Surveys.

The junction with T-6532b (1936) on the north is satisfactory.

4. Comparison with Prior Surveys.

a. H-507 (1855), 1:10,000

This is a combined topographic and hydrographic preliminary survey with a projection based on the magnetic meridian. It covers only a small portion at the northern limits of the present survey. It contains no information of current value and should be superseded by the present survey in future charting.

b. T-1327b (1873), 1:10,000; T-2074 (1891), 1:4800.

Each of the above surveys covers the entire area of the present survey. The agreement is in general good. They show some features back of high water line which are not shown on the present survey so they should be used wherever necessary to supplement the contours and other detail of the current topography.

5. Comparison with Chart 6462 (New Print dated April 8, 1937).

a. Topography.

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs. The low water line charted south of the bridge in lat. $47^{\circ} 02.7'$, long. $122^{\circ} 54.5'$, is compiled from these surveys and from additional information, the source of which could not be readily ascertained. The low water line sketched on the present survey should be used in future charting. See descriptive report, page 3, for discussion of changes in artificial features.

b. Aids to Navigation.

There are no aids to navigation within the area of the present survey.

6. Field Drafting.

The field drafting is very good.

7. Additional Field Work Recommended.

No additional field work is recommended.

8. Note to Compiler.

The compiler's attention is called to the descriptive report, page 1, relative to low water line sketched in pencil in Deschutes Waterway.

9. Superseding Old Surveys.

In so far as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:

H-507 (1855) in part (Topography only)
T-1327b(1873) in part
T-2074 (1891) in part

10. Reviewed by - J. A. McCormick, Oct. 4, 1937.

Inspected by - A. L. Shalowitz.

Examined and approved:

K. T. Adams
K. T. Adams,
Asst. Chief, Div. of Charts.

Fred. L. Peacock
Chief, Section of Field Work.

L. O. Polbit
Chief, Division of Charts.

Stude
Chief, Division of H. & T.