

6484

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 16 1936

Acc. No. _____

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. Sk

State OREGON

LOCALITY

COLUMBIA RIVER

Skipanon River

1935

CHIEF OF PARTY

Robert W. Knox

U. S. GOVERNMENT PRINTING OFFICE

6484

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

& GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 16 1936

REG. NO.

Acc. No.

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

Field Letter sk

6484

REGISTER NO.

State OregonGeneral locality Columbia RiverLocality Skipanon RiverScale 1:2,500 Date of survey July 27 & 28, 19 35Vessel Party No 9Chief of Party Robert W. KnoxSurveyed by R. S. ThompsonInked by R W K

Heights in feet above _____ to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated February 26, 1935, 19

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET

"Sk"
Scale 1:2,500

COLUMBIA RIVER

OREGON

SKIPANON RIVER

Instructions dated Feb. 26, 1935

Surveyed by R. S. Thompson

GENERAL DESCRIPTION: Topographic sheet Sk is a survey of the Skipanon River between the Spokane, Portland and Seattle Railroad bridge and the interstate highway bridge, a distance of about a mile. The survey joins sheet B at the railroad bridge.

As the form of the river indicates, the land is low and marshy, except for two low hills on the west side of the river. Portions of the logged-off land has been cleared of brush to provide pasture land.

CONTROL: The survey was controlled by several stations located by measured distances and azimuths from station Warrenton; namely, Nail, RR, Nail, RR and Skipanon Rear Range. Station Warrenton was located by a three point fix. Because of natural obstacles and the unwarranted cost of extending third order triangulation to such a relatively unimportant area, it was necessary to use several intersection stations in the three point fix. Four stations were pointed upon and the check on the common side was about 1 in 2,900

Through an oversight on the part of the chief of party the computations were included in the triangulation records. None of the stations, however, were marked.

SURVEY METHODS: The area was mapped on a scale of 1:2,500 because 1) of the narrow width of the river, 2) to provide experience in such scaled surveys for the topographer preparatory to a proposed large scaled survey of the Tongue Point Naval Base and 3) the U. S. Engineers requested a large scale (1:5,000 or larger) survey of the area because of the proposed improvement of the river.

A system of graphic triangulation was extended southward from stations along the railroad track and a closed traverse was run around the entire area. In all cases the traverse closed upon the previously cut in stations, and upon itself, within such narrow limits that no adjustment was warranted.

MAGNETIC MERIDIAN: No suitable place was available from which to determine a magnetic meridian.

COMPARISON WITH PREVIOUS SURVEYS: The area was surveyed in 1926, registry number 4264. The agreement appears to be very good, although a strict comparison between two sheets of such wide difference in scale is difficult without proper office equipment.


GEOGRAPHIC NAMES: Correct as appearing on the published chart.

LANDMARKS FOR CHARTS will be submitted under separate cover.

STATISTICS:

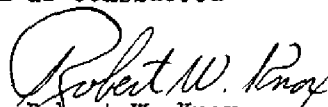
Statute miles of shoreline	=	4.4
Statute miles of roads	=	0.7
Statute miles of railroads	=	0.6

Respectfully submitted:


Robert W. Knox,
H. & G. Eng'r.

Approval of Chief of Party.

Topographic sheet "Sk" has been inspected and approved by me. The field work was done under my occasional supervision; the office work by myself. No additional work is considered necessary.


Robert W. Knox,
Chief of Party.

Plane-table positions
Sheet Sk

Name of signal or object	Latitude			Longitude			Remarks
	°	'	m	°	'	m	
High	46	09	521✓	123	55	636✓	hydrographic mark in concrete post
Low	46	09	812✓	123	55	626✓	do
Schultz	46	09	1188✓	123	55	69✓	do
Age	46	09	10✓	123	55	451✓	power pole on east bank of river near Highway 30
Tal	46	09	09✓	123	55	503✓	power pole on west bank of river near Highway 30
Dead tree	46	09	989✓	123	55	155✓	conspicuous tree in field
Barn, north gable	46	09	1182✓	123	55	04✓	
Bar	46	09	1316✓	123	55	473✓	north gable small barn
Met	46	09	1701✓	123	55	270✓	tall power pole, west side of river between SP&S RR bridge and state highway bridge
Pol	46	09	1667✓	123	55	192✓	as above, but on east side of river.
Sta	46	09	1798✓	123	55	282✓	east gable Shell Oil Co service station
Middle Stack USE	46	09	1774✓	123	55	75✓	middle of 3 stacks on sawmill
RR Sign	46	09	1662✓	123	54	1054✓	RR crossing warning sign
Center of SP&S swing bridge	46	09	1714✓	123	55	215✓	large 4-sided nut, flush with bridge decking in center of swing
Station D	46	09	590✓	123	55	287✓	pole and flag
Station B	46	09	1692✓	123	55	468✓	do
BM C21 - 1920	46	09	1702✓	123	55	372✓	Standard disk in concrete monument, el = 5.331 ft

scaled by RWK
checked KmcB

✓ Out

Remarks

Decisions

1		
2	corrected by initials S.P. & S.	
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GEOGRAPHIC NAMES

Survey No. 6484

Name on Survey	<div style="display: flex; justify-content: space-between;"> <div>On Chart No. 6151</div> <div>On previous survey</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Railway Guide</div> <div>U. S. Light List</div> </div>											
	A	B	C	D	E	F	G	H	K			
<u>Skipanon River</u>	*			✓	✓				✓		1	
<u>Spokane Portland & Seattle R.R.</u>	*			✓				✓			2	
											3	
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Names underlined in red approved
by *[Signature]* on 6/9/26

6484

FORM M-238

MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTO STAT BOOK~~

~~MOORE~~
No. T 6484

received MAY 16 1936
registered MAY 22 1936
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
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RETURN TO

82	
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C. K. Gresa

T

REVIEW OF TOPOGRAPHIC SURVEY No. 6484

Title (Par. 56) *Skipanon River, Oregon*Chief of Party *R.W. Knox* Surveyed by *R.S. Thompson* Inked by *R.W. Knox*Ship *Field Party #9* Instructions dated *Feb. 26, 1935* Surveyed in *July 27-28, 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. ~~The amount of vertical control that the Manual specifies for contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. The delineation of ~~contours-formlines-~~ is satisfactory. (Par. 49, 50.) *Only a very small amount of relief shown on sheet.*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None Submitted*
7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, ~~reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See Reverse Side

10. The span, draw and clearance of bridges are ~~shown~~. (Par. 16c.)
not shown
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Paragraph 9

T4264 (1926)

This survey could only be compared in a general way with the present survey due to the large difference in scale. T4264 was executed on a scale of 1:10000, whereas T6484 was on 1:2500. The present survey is much more in detail than either T4264 or Chart 5902.

T6484 supersedes T4264 in part.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *None submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian not shown*
18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
Joins T648/a(1935)
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~ ✓
24. Remarks:

Reviewed in office by *Chas. R. Bush Jr. June 23, 1936.*

Examined and approved:

E. H. Green
Chief, Section of Field Records

L. O. Dolbert
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. de
Chief, Division of Hyd. and Top.