

X - Sec. at N.P. Grade

	+ -	H.I.	Rad	Elev,	
N.P. Staff	0	58.10		58.10	58+10
1921 H.W.			3.59	54.51	
T.P.	-0.78				
	+11.93	67.25			
T.P.	-0.14				
	+3.63	73.74			
	-0.72				
	+1.40	69.42			
	-4.61				
	+2.02	66.83			
	-4.43				
18+37	+0.88	63.28	11.44	61.84	
	-12.34				
	+0.12	51.06			
18+49			1.08	52.51	
18+69			13.70	37.36	
18+85			16.80	34.20	
19+00			14.60	36.46	
19+26			13.70	37.36	
19+43			11.4	39.66	
19+81			10.4	40.66	
19+99			4.6	46.46	
20+84			2.7	48.36	
	-0.74				
T.P.	+5.27	55.59			
21+16			1.08	54.51	
B.M.			0.43	55.16	

3-5-23

Wright
Theret.

Running S. from N.P. Bridge.

On Woods House (Used highest water mark. ^{Not sure which} 15/1921

Note: transferred above H.W. mark to toe of N.P. fill and called this point 0+00 for chaining N. & S.

South 18+37 N. End Br.
18+69 Edge W. 2nd Run.

Bottom of tie-end of bridge. 18+37

1921 H.W.

Surface of water Sta 18+69

Surface of water Sta 19+26

1921 H.W.

B.M. Finish nail in fourth bent from South end of bridge.

N. along N. P. Grade.

	B.M.	14.15	58.06	54.51	54.51
	T.P.	-2.47			
		+12.49	68.68		
	T.P.	-3.72			
19		+0.50	65.46		
	B.M.	12.62			52.84
	T.P.	-3.47			
		+2.91	64.90		
	T.P.	-2.68			
		+2.90	65.12		
	T.P.	-3.71			
		+3.91	65.33		
18	T.P.	-3.59			
		+4.23	65.96		
				11.45	54.51
16				11.45	54.51
18				4.15	61.81
18				4.20	61.76
19				4.26	61.70
19				4.26	61.70
19				4.25	61.71
19	B.M.	+8.72	61.76	52.84	
19	16+47		11.45		
20	16+70		7.25	54.51	
	T.P.	-13.12			
		+1.28	49.92		
			6.50		
21	16+87		8.1	41.8	
22	17+00		16.9	33.0	
	+50		13.6	36.3	
	+90		18.4	31.5	
	18+91		16.2	33.7	
	18+84	6.20	4.5	45.4	
	T.P.	-2.15			
		+8.95	56.72		
19209			4.1	52.61	

65.46
54.51
10.95

65.96
54.51
11.45

Spike in Pike

End Dry Bridge. #86 N.P.

Nend " " "

Top of 2nd Bent S. end

" " 3rd Bent. "

Nend

7+24 N. End Bar.
Face of wall

3rd Br.
S. H.W. line.

Gen. Stream

52.84
8.92
61.76
54.51
7.25

3.5
1.27
1.22

	H.I.	Rod	Elev.
	56.72		
19+26		4.0	52.7
19+27		6.4	50.3
19+35		6.4	50.3
19+40		2.21	54.51
19+54			
49+13			61.8
49+19		2.21	54.51
49+29.5			44.4
49+42.5			42.2
50+90			43.2
50+30			45.7
51			43.2
51+22			42.7
51+35			42.6
51+46			44.1
51+50.5		2.21	54.51
			61.7

over

17.3 below
19.5 below
18.5 below
16' below
18.5 below
19' below tie
19.1 below
Tie
below
17' tie

61.7
17.3
44.4
19.5
4.22

H.W. Line.

End Br.

Send Dry Br. 3/4 just S. of Sedro-Woolley

H.W. Line.

Toe of fill

Low point in grid surface:

Low point

Toe of Slope.

H.W. Line.

End Br.

Level Line to H.W. Marks
from Highway Br.

Sta	↓	H.1	—	Red	Blow
B.M.	1.88	101.88			100.00
T.P.	7.66	103.46	6.08		
340' East of W. line Steelwork produced					
Br. Bank				4.7	98.8
T.P.	3.80	103.11	4.15		
"	2.54	103.59	1.76		
H.W. 690' East Br.				1.34	102.55
Bank				4.6	99.3
T.P.	5.79	103.29	5.79		
H.W. } 970'				2.54	100.75
HW. } East				2.54	100.75
Br. Bank				3.8	99.5
T.P.	4.40	103.04	4.65		
B.M.			1.94		101.10
T.P.	1.16	91.93	12.47		
W. Surface today 12:00 M.				11.00	80.93
B.M.	1.79	102.69			100.90
T.P.	0.88	101.03	2.54		
1285' East Br. HW				0.34	100.69
Bank				1.7	99.3
T.P.	4.60	103.94	1.69		
1455' (HW)				3.10	100.84
Br. (HW)				3.10	100.84
T.P.	4.51	104.34	4.21		
T.P.	3.84	103.24	4.84		
T.P.	2.94	102.76	3.42		

Right Bank (North) River.
East.

(3-6-20)
Wright
Therese

End pave. N. end Highway 13. (MAKE CORRECTION)
46.50 ELEV. U.S. G.S. datum (FOR ACTUAL ELEV.)

$$\begin{array}{r} 988 \\ 53.5 \\ \hline 453 \end{array}$$

$$\begin{array}{r} 1000 \\ 46.50 \\ \hline 53.50 \end{array}$$
 about elevations $\frac{1}{2}$ sec 7/20/20
 are too high u.s.s.

Maple tree Blaze 9 1 notch; 10' L. trail. 102.55 }
60' S. of above tree. 53.50 } 11000
49.05 } 10000

995
 535
 460 4565
 8" Cd } 25' Apart Stained Blazer + 2 matches
 20" " }
 995
 535
 460 4565
 HW 120
 100.75
 950
 77.25 45 65 Blv } 24
 100.75
 950
 77.25 45 65 Blv } 24
 100.75
 950
 77.25 45 65 Blv } 24

Noir Maple Sapling

At point where cable is stretched 1190' East Br.

Herlock Right of 100' East of cable. 1105
Trail-Blaze-2 notches

36" Maple - Blaze - 4 notches } 15' apart
18" Cedar - Notch

$$\begin{array}{r} 10084 \\ 535 \\ \hline \text{HVV } 47.34 \text{ USGS} \end{array}$$

	+	H.I	-	Red	Elev
1790' East		102.76			
Bk. H.W.				1.79	100.97
Bank				3.5	99.26

6' Cedar Stump - 13020
 Double 30" Maple - 13020 - 5 Notches

9926
 53.5
 45.76

1897
 53.5
 47.47

N.P. Chain Gauge
 4.86 @ 5100 P.M.

James Davison
 113 Talcott St.
 Sedro-Whalley

Soundings 1190 Up-

stream from Highway Br.
3-6-13

Sta	Soundng	Sheet tape Check of Dist	Actual Elev
0-15	Top of Bank	0-18	
0+10	0.0	0+07	80.73
0+30	5.2	+24	22
0+50	6.1	+46	21.5
0+70	6.1	+67.5	21.7
0+90	6.0	+89.2	21.8
1+10	5.9	1+11	21.5
1+30	5.6	1+32.5	21.5
1+50	5.6	1+54	21.5
1+70	4.8	1+75.5	21.5
1+90	4.5	1+97	21.6
2+10	4.0	2+18.6	21.4
2+30	3.7	2+40	21.7
2+50	3.4	2+61.7	19.8
2+70	3.1	2+80.5	20.5
2+90	3.0	3+01	21.5
3+10	3.6	3+22.5	19.6
3+30	2.6	3+41.5	20
3+50	2.7	3+63.5	21.5
3+70	2.7	3+75.0	21.5
3+90	2.9	3+96.5	20.5
4+10	3.0	4+17.0	Make equal for balance
4+30	2.9	4+38.5	
4+50	3.4	4+60.0	
4+70	3.4	4.81.5	

See preceeding page.

Water edge.

4+90 3.8
5+10 3.5
5+30 3.3
5+50 2.1
5+65 0.0

5+03.0 ✓
5+24.5 ✓
5+46.0 ✓
5+67.5 ✓
5.83.6

6+15
6+55
6+85
7+05

Test Mens of cable

Water edge

Ridge in gravel bar. 3' Above water.

Bot. bank water level.

Average of Highwater ^{10' Above today's water} (not at flood stage.)

Top of bank Approx 15' Above Water.

X-Sec. at The Dalles

Sta.	+	H.I.	-	Sounding Rod	Elev.
B.M.		14.59			14.59
357					
304				10.85	3.74
290				8.0	
280				11.6	
270				18.0	
260				19.8	
250				19.6	
240				20.0	
230				19.9	
220				19.8	
210				19.5	
200				19.0	
190				18.7	
180				18.0	
170				17.6	
160				16.7	
150				16.2	
140				15.8	
130				14.8	
120				13.0	
110				11.6	
100				10.3	
90				8.6	
80				6.9	

at Lower Guage.

Mar. 7-1923
Wright
Therett
H.D. Stiles
Box 5
Concrete

Guage
Approx H.W. line N. Bank of River.
Edge of Water + Surface of water
on line at N rock cliff A side of
Dalles

304 - 14.59
200 - 19.0

70	5.5
60	4.7
50	3.7
40	3.0
6 30	0.0
6 H.W.	
6 10	
6	
7	

Water edge
 Apparent H.W. line on S. Side. Total width 347'

Levels on R. bank of Skagit Tying in H.W.

Sta.	+	H.I.	-	Rod	Elev.
B.M.	11.64	34.57			<u>22.93</u>
0+00 H.W.				4.57	30.00
0+00				0.94	33.83
TP	7.42	41.89	0.10		34.79 33.79
1				6.8	35.09
2				4.9	36.99
3				4.7	37.19
4				4.8	37.09
5 Peg				4.7	37.19
T.P. Peg	3.87	41.04	4.72		37.27
5+25				11.36	29.68
6				4.0	37.04
7				3.0	38.04
8				3.3	37.74
TP	4.20	42.97	2.27		38.77
9				4.8	38.17
9+85				12.60	30.37
10 Peg				3.75	39.22
11				4.5	38.47
T.P	3.34	41.52	4.79		38.18
12				4.4	37.12
13				4.7	36.82
14				6.3	35.22
TP Peg	6.01	40.37	7.16		34.36
15				5.25	35.12

ford. 3 pages

from Lower Daxles Gauge.
Marks.

Gauge point 22.93
On rotten stump 25' N gauge.

3-7-23
3-8-28
Wright
Theret

22.93
11.64
34.57

H. Co. Log Chicken Ho.
H.W. - Maple tree 60' L. of line.

10' Alder - 50' Left H.W.

Carried Forward 3. pages

X-sec. River 2479' below

Red,
depths

X 252	0.0
236	3.9
220	6.7
210	9.7
200	11.8
190	12.4
180	13.0
170	13.5
160	14.0
150	14.8
140	15.6
130	16.7
120	17.6
110	19.0
100	19.6

Lower Gauge at The Dalles

3-7-23
Wright
Thirt
Stiles

& Level Line Previous page. 2479' below
Dalles Gauge

Edge Water.

Red

90	19.0
80	16.5
70	15.6
60	13.0
50	11.5
40	7.9
30	5.2
20	2.6
08	0.0

0.0

-41'

X

2

2

2

2

1

1

1

1

1

1

1

1

1

1

Water edge

to Natural Bank. Sand in moss + fine drift in bushes
Shows 1921 H.W. to be on break
of bank

Sta	+	H.I.	-	Red	Elev
	6.01	40.37	7.16		34.36
15+25				11.75	28.61
16				5.4	35.0
17				5.0	35.4
T.P.	4.67	34.45	10.59		29.78
18				9.6	24.8
19				11.4	23.0
20				8.48	26.0
T.P.	3.39	29.25	8.59		25.8
20+90		1.99	5.20	0.85	28.4
21				4.3	25.0
T.P.	5.78	31.24	3.79		25.45
22				6.3	24.9
23				4.3	26.9
T.P.	3.60	34.79	0.05		31.1
24+70				5.82	28.97
24+79 =					
7+14 Riv. X-Sec.					
6+82				12.2	22.6
T.P.	0.36	23.25	11.90		22.89
6+57				9.2	14.0
T.P.	2.25	12.59	12.91		10.3
6+47				2.3	10.3
6+50				8.2	4.4

H.W. 30" Hamlock 30' Left

H.W. 10' Left Line - Moss on Pine Blocks - ^{Poorst Evidence}

H.W. 12" After 10' L. Note: this Elev transferred to ground at 7+14 on River X-Section.

Sta	+	HI	-	Rod	Elev.
	2.25	12.59	1291		10.34
6+00		^{3.71}	8.46	8.6	4.0
T.P.	12.17	16.30	8.46		4.13
R.P.	^{8.56} _{3.71}			7.26	9.04
5+00				8.6	7.7
4+00				7.9	8.4
3+50				5.5	10.8
2+56				8.1	8.7
2+38	Sec 3 pps. back for.			14.07	2.23
2+38	continuation of this			14.32	1.98
	Line by Soundings				
	across River.				

Summary of H.W. Marks

0+00	30.00
5+25	29.68
9+85	20.37
15+25	28.62
20+90	28.40
24+70	28.97

30" Cedar.
Check on Bench - Nail in root of twisted

- On peg set at Water edge + surface yesterday when
Soundings taken.
W.L. 7th March - 3:00 Pm.
W.L. 8th March - 3:20 Pm.