

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Meas. No. 2

Sta. No. #12 Sailing Fe Cr @ B2

Comp. by *KP L*

Checked by *KDL*

Date 12-16, 19 97 Party KOL

Width 10.7 Area 2.51 Vel. 1.00 G. H. Disch 2.52

Method *0,6* No. secs. *14* G. H. change in hrs. Susp.

Method coef.	Hor. angle coef.	Susp. coef.	Meter No.
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Type of meter *Pgmmg* Date rated Tag checked

Meter	ft. above bottom of wt. Spin before meas.	after
1	1.0	1.0
2	1.0	1.0
3	1.0	1.0
4	1.0	1.0
5	1.0	1.0
6	1.0	1.0
7	1.0	1.0
8	1.0	1.0
9	1.0	1.0
10	1.0	1.0
11	1.0	1.0
12	1.0	1.0
13	1.0	1.0
14	1.0	1.0
15	1.0	1.0
16	1.0	1.0
17	1.0	1.0
18	1.0	1.0
19	1.0	1.0
20	1.0	1.0
21	1.0	1.0
22	1.0	1.0
23	1.0	1.0
24	1.0	1.0
25	1.0	1.0
26	1.0	1.0
27	1.0	1.0
28	1.0	1.0
29	1.0	1.0
30	1.0	1.0
31	1.0	1.0
32	1.0	1.0
33	1.0	1.0
34	1.0	1.0
35	1.0	1.0
36	1.0	1.0
37	1.0	1.0
38	1.0	1.0
39	1.0	1.0
40	1.0	1.0
41	1.0	1.0
42	1.0	1.0
43	1.0	1.0
44	1.0	1.0
45	1.0	1.0
46	1.0	1.0
47	1.0	1.0
48	1.0	1.0
49	1.0	1.0
50	1.0	1.0
51	1.0	1.0
52	1.0	1.0
53	1.0	1.0
54	1.0	1.0
55	1.0	1.0
56	1.0	1.0
57	1.0	1.0
58	1.0	1.0
59	1.0	1.0
60	1.0	1.0
61	1.0	1.0
62	1.0	1.0
63	1.0	1.0
64	1.0	1.0
65	1.0	1.0
66	1.0	1.0
67	1.0	1.0
68	1.0	1.0
69	1.0	1.0
70	1.0	1.0
71	1.0	1.0
72	1.0	1.0
73	1.0	1.0
74	1.0	1.0
75	1.0	1.0
76	1.0	1.0
77	1.0	1.0
78	1.0	1.0
79	1.0	1.0
80	1.0	1.0
81	1.0	1.0
82	1.0	1.0
83	1.0	1.0
84	1.0	1.0
85	1.0	1.0
86	1.0	1.0
87	1.0	1.0
88	1.0	1.0
89	1.0	1.0
90	1.0	1.0
91	1.0	1.0
92	1.0	1.0
93	1.0	1.0
94	1.0	1.0
95	1.0	1.0
96	1.0	1.0
97	1.0	1.0
98	1.0	1.0
99	1.0	1.0
100	1.0	1.0

Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time		Inside		Outside	No	Yes	Time
1525		1.54		1.78	-flume	Samples Collected	
1550		1.58		1.82	No	Yes	Time
						Method Used	
					EDI	EWI	Other
					<u>SEDIMENT SAMPLES</u>		
					No	Yes	Time
						Method Used	
					EDI	EWI	Other
Weighted M.G.H.					<u>BIOLOGICAL SAMPLES</u>		
G.H. correction					Yes	Time	
Correct M.G.H.					No	Type	

Check bar. chain found	changed to	at
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Wading, cable, ice, boat, upstr., downstr., side bridge 75 feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%) poor (over 8%); based on the following cond:

Flow uneven - more on left side

Cross section sand Bottom

Control Flow is Free Flowing no Ice binds

Gage operating 014 N₂ leak Weather cooling off Partly cloudy

Intake/Orifice cleaned *yes* Air °C@ Water *0.6* °C@ *1445*

Record removed Extreme Indicator: Max. Min.

Nitrogen Pressure Tank 1950 Feed 11 Bbl rate ✓ per min.

CSG checked

Observer

HWM outside, in well

Remarks Still Reading low no N. leaves found.
will check again.

G.H. of zero flow ft. Sheet No. / of / sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at-

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VERTICAL			
	LEW @	1530									
	2.4		0		0	40					.85
	3.5		0.34		55	49					
	4.25		0.33		50	41					
	5.0		0.34		60	40					.90
	5.5		0.30		60	45					.92
	6.0		0.25		60	44					
	6.5		0.26		50	42					.94
	7.5		0.27		40	40					.96
	8.5		0.27		40	43					.97
	9.5		0.27		40	51					.98
	10.5		0.18		20	40					.99
	11.5		0.19		30	53					
	12.5		0.11		0	10					
0	13.1		0		0	40					1.00
	REW @	1550									
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80

.0 .10 .20 .30 .40 .50 .60 .70 .75