

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

Sta. No. House H

Meas. No. _____

Comp. by _____

Checked by _____

Date 20 Dec 2008 Party ARB & CHW Checked by _____

Width	Area	Vel.	G. H.	Disch.
				381

Method	No. secs.	G. H. change	in	hrs.	Susp.
1	10	10	10	10	10
2	20	20	20	20	20
3	30	30	30	30	30
4	40	40	40	40	40
5	50	50	50	50	50
6	60	60	60	60	60
7	70	70	70	70	70
8	80	80	80	80	80
9	90	90	90	90	90
10	100	100	100	100	100

Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____

Type of meter *cut throat* 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	Cut throat	Outside	No _____	Yes <input checked="" type="checkbox"/>	Time <u>1630</u>
<u>1617</u>	<u>1.397</u>		<u>0.34</u>	<u>Samples Collected</u>		
<u>1635</u>	<u>1.403</u>	<u>0.30</u>	<u>0.30</u>	No _____	Yes <input checked="" type="checkbox"/>	Time <u>1630</u>
				<u>Method Used</u>		
				EDI _____	EWI _____	Other _____
				<u>SEDIMENT SAMPLES</u>		
				No <input checked="" type="checkbox"/>	Yes _____	Time _____
				<u>Method Used</u>		
				EDI _____	EWI _____	Other _____
Weighted M.G.H.				<u>BIOLOGICAL SAMPLES</u>		
G.H. correction				Yes _____	Time _____	
Correct M.G.H.				No <input checked="" type="checkbox"/>	Type _____	

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

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

Flow low, steady

Cross section sandy gravel

Control Free & Clear

Gage operating Yes! Weather sun but clouds on source

Intake/Orifice cleaned Air °C@ Water 0.9 °C@ 16.23

Record removed 4/12 Extreme Indicator: Max Min

Nitrogen Pressure Tank 1531 Feed 13 Bbl rate 100 per min

Nitrogen Pressure Tank 13 Feed 13 BBI Rate 40 per min
CSG checked N/A Stick reading

Observer *by pulse rate @ 75/min decreased to 60/min

HWM @ $t = 11.78$ outside in well

Remarks $At = 11/17$ $stair = 1.397$ $Ni = \approx 143\%$

Remarks: $\text{INT} = 295.5^\circ\text{C}$ $\text{SC} = 21.2^\circ\text{C}$ 13.5 m/s

$\alpha_{T=1.77} = 0.75 \text{ V}$, $\alpha_L = 3.9.56 \text{ mV}$, 15.2 V
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$\Delta t = 16 \text{ s}$ SC probe reads = 500ms @ 0.1°C
 CH = f. temp. flow ft Shot No f shot

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