

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey
Water Resources Division
DISCHARGE MEASUREMENT NOTES

Meas. No. 91

Comp. by SLD

Checked by Sontek

Sta. No. F3
Sta. Name Last Seal Stream
Date Dec. 2, 2009 Party SLD/Sanderson
Width 3.00 Area .549 Vel. 0.548 G.H. _____ Disch. 0.301
Method .6 No. Sec. 11 G.H. Change _____ in _____ hrs. Susp. Red
Method coef. 1.0 Hor. angle coef. cal'd Susp. coef. 1.0 Meter No. P2151
Type of meter FlowTracker Date rated _____ Tag checked _____
Meter _____ ft. above bottom of wt. Spin before meas. ADV ✓ after _____
Meas. Plots _____ % diff from _____ rating. Levels obtained No

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time	Inside			Outside	No..... Yes.....	Time.....
<u>1901</u>	<u>1.28</u>			<u>.22</u>	<u>X</u>	<u>1935</u>
<u>S1915</u>				<u>1.22</u>		<u>UT=2114°F</u>
<u>F1928</u>						<u>=5.16</u>
<u>1930</u>	<u>1.81</u>			<u>.24</u>	<u>X</u>	<u>1935</u>
				<u>1.24</u>		
					Method Used	
					EDI..... EWI..... Other.....	
					<u>DIP</u>	
					SEDIMENT SAMPLES	
					No..... X..... Yes..... Time.....	
					Method Used	
					EDI..... EWI..... Other.....	
					BIOLOGICAL SAMPLES	
					Yes..... Time.....	
					No..... X..... Type.....	
Weighted MGH						
GH correction						
Correct MGH						

Check bar, chain found _____ changed to _____ at _____
Wading, cable, ice, boat, upstr., downstr., side bridge 80 feet, mile, above, below, gage.
Measurement rated excellent(2%), good(5%), fair(8%), poor(over 8%); based on following cond:
Flow will dist.
Cross section fairly even
Control 1901 → slow over topping low on control
Gage operating Yes Weather Sunny / breezy / cool
Intake/Orifice cleaned No Air _____ °C@ _____ Water 4.4°F @
Record removed No Extreme Indicator: Max _____ Min _____
N2 Pressure Tank 1900 Feed 14 Bbl rate _____ per min. Batt volt _____
CSG checked _____ Stick reading _____
Observer _____
HWM _____
Remarks *6 @ 1901 ① 1.28 ② 6.46 ③ 5.61 ④ 14.3 ⑤ 88 56.8
YSI SL on 12/2/09 @ 2030 = 29.9 mS UT = 7.2°C
Trekman pH on 12/2/09 @ 2030 = 7.34
G.H. of zero flow _____ Chart No _____ of _____ sheets