

9-275-F
(Apr. 93)

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

Meas. No. _____

Comp. by _____

Checked by _____

Sta. No. _____
Sta. Name Onyx @ LWRT AQ: Transect 3
Date 12-16-03 Party W, C, KC
Width _____ Area Mean Vel. 1.1 G.H. _____ Disch. 11.97 cfs
Method _____ No. Sec. _____ G.H. Change _____ in _____ hrs. Susp. _____
Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
Type of meter _____ Date rated _____ Tag checked _____
Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____
Meas. Plots _____ % diff from _____ rating. Levels obtained _____

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time	Inside	IG		Outside	No.....	Yes... <input checked="" type="checkbox"/> ... Time <u>1245</u>
<u>1244</u>	<u>stage</u>	<u>1.533</u>		<u>0.322</u>	Samples Collected	
<u>(start)</u>	<u>WT</u>	<u>5.479</u>		<u>5.3</u>	No.....	Yes... <input checked="" type="checkbox"/> ... Time <u>1245</u>
	<u>SC</u>	<u>26.01</u>		<u>13.1</u>	Method Used	
					EDI.....	EWI..... Other.....
<u>1306</u>	<u>stage</u>	<u>1.534</u>		<u>0.332</u>	SEDIMENT SAMPLES	
<u>(finish)</u>	<u>WT</u>	<u>5.79</u>			No.....	Yes..... Time.....
	<u>SC</u>	<u>25.96</u>			Method Used	
					EDI.....	EWI..... Other.....
Weighted MGH					BIOLOGICAL SAMPLES	
GH correction					Yes..... Time.....	
Correct MGH					No..... Type.....	

Check bar, chain found _____ changed to _____ at _____
Wading, cable, ice, boat, upstr., downstr., side bridge 25 (feet) mile, above, below, gage.
Measurement rated excellent(2%), good(5%), fair(8%), poor(over 8%); based on following cond:
Flow cover steady, uniform flow
Cross section smooth & gravelly bed
Control _____
Gage operating _____ Weather pc/warm
Intake/Orifice cleaned _____ Air _____ C@ _____ Water _____ °C@ _____
Record removed _____ Extreme Indicator: Max _____ Min _____
N₂ Pressure Tank 1700 Feed _____ Bbl rate _____ per min. Batt volt 14.266
CSG checked _____ Stick reading _____
Observer _____

HWM _____ outside, in well _____
Remarks

	Time	IG	OG
<u>WT</u>	<u>1244</u>	<u>5.479</u>	<u>5.3</u>
<u>SC</u>		<u>26.01</u>	<u>13.1</u>

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

Form 9-276-D
(Jan. 1988)

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

WATER RESOURCES DIVISION

Date 12-16-03

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MISCELLANEOUS FIELD NOTES

Onyx @ ~~Bowman~~ Lawrence, KS, CO

→ Flow

→ Night date and time

→ 03/350/1235

$N_2 = 1700$ psi

*6 @ 1237

stage = 1.531

WT = 5.345

SC = 26.058

volts 14.286

WQ @ 1245

AqauCalc 5000 (tm) by JBS Instruments
 Firmware Version AQCUG: '94

'95 '96 '97 1999

GAGE ID# 0
 DATE 12/16/03
 TRANSECT 3
 USER ID# 0
 STAFF HEIGHT 0
 GAGE HEIGHT 0
 METER ID# 0
 AQUACALC ID# 1363
 METER TYPE PriceAA 1:1 ST2
 METER CONST. C1 2.2048
 METER CONST. C2 0.0178
 METER CONST. C3 0
 METER CONST. C4 0.0178
 METER CONST. C5 1
 MEAS. SYSTEM S.A.E. (English)
 TOTAL STATIONS 18
 TOTAL WIDTH 14.5
 TOTAL AREA 10.69
 TOTAL DISCHARGE 11.9711
 MEAN VELOCITY 1.11

ST.	DIST	DEPTH	REVS	TIME	COS:VF	LOC	CLOCK	VEL	AREA	FLOW(Q)
1	8	0	0	0	0	1	0.6 0:00	0	0	0
2	9.5	0.37	5	41.8	1	1	0.6 12:48	0.281	0.555	0.1559
3	11	0.42	20	40.9	1	1	0.6 12:49	1.096	0.525	0.5754
4	12	0.52	13	40.4	1	1	0.6 12:50	0.727	0.52	0.378
5	13	0.62	6	40.2	1	1	0.6 12:52	0.347	0.62	0.2151
6	14	0.53	11	41.4	1	1	0.6 12:53	0.604	0.53	0.3201
7	15	0.67	21	40.3	1	1	0.6 12:54	1.167	0.67	0.7818
8	16	0.65	23	40.6	1	1	0.6 12:55	1.267	0.488	0.6182
9	16.5	0.76	20	41.7	1	1	0.6 12:57	1.075	0.38	0.4085
10	17	0.83	18	40.4	1	1	0.6 12:58	1	0.415	0.415
11	17.5	8	26	41.6	1	1	0.6 12:59	1.396	4	5.584
12	18	0.82	22	40.9	1	1	0.6 13:00	1.204	0.41	0.4936
13	18.5	0.54	32	40.2	1	1	0.6 13:01	1.773	0.27	0.4787
14	19	0.61	29	40.9	1	1	0.6 13:02	1.581	0.305	0.4822
15	19.5	0.5	26	41.4	1	1	0.6 13:03	1.402	0.25	0.3505
16	20	0.41	23	40.8	1	1	0.6 13:04	1.261	0.308	0.3883
17	21	0.36	13	40.6	1	1	0.6 13:05	0.724	0.45	0.3258
18	22.5	0	0	0	0	1	0.6 0:00	0	0	0