

9-275-F  
(Apr. 93)

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

Meas. No. 49

Comp. by JCK

Checked by \_\_\_\_\_

Sta. No. \_\_\_\_\_

Sta. Name PRISCA STREAM AQUACHECK #9

Date 12-26-03 Party S, J, K

Width 8.1 Area 1.13 Vel. 1.02 G.H. \_\_\_\_\_ Disch. 1.17

Method 0.6 No. Sec. 12 G.H. Change \_\_\_\_\_ in \_\_\_\_\_ hrs. Susp. \_\_\_\_\_

Method coef. \_\_\_\_\_ Hor. angle coef. \_\_\_\_\_ Susp. coef. \_\_\_\_\_ Meter No. \_\_\_\_\_

Type of meter PSM7 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	SC <sub>m</sub>	WT <sub>m</sub>	Outside
1902	1.73			
1904	1.73			0.61
	1.77			
	1.67			
	1.70			
1930	-			0.60 ± 0.02
1950	1.601			0.59 ± 0.01
Weighted MGH				
GH correction				
Correct MGH				

No..... Yes..... Time.....  
 1.61 Samples Collected 19:30  
 No..... Yes..... Time.....  
 Method Used  
 EDI..... EWI..... Other.....

**SEDIMENT SAMPLES**  
 No..... Yes..... Time.....  
 Method Used  
 EDI..... EWI..... Other.....

**BIOLOGICAL SAMPLES**  
 Yes..... Time.....  
 No..... Type.....

Check bar, chain found \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_

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 following cond:

Flow Steady, Uniform

Cross section Sandy, level

Control Sand

Gage operating \_\_\_\_\_ Weather \_\_\_\_\_

Intake/Orifice cleaned \_\_\_\_\_ Air \_\_\_\_\_ °C@ \_\_\_\_\_ Water \_\_\_\_\_ °C@ \_\_\_\_\_

Record removed \_\_\_\_\_ Extreme Indicator: Max \_\_\_\_\_ Min \_\_\_\_\_

N<sub>2</sub> Pressure Tank 1550 Feed 10 Bbl rate \_\_\_\_\_ per min. Batt volt \_\_\_\_\_

CSG checked \_\_\_\_\_ Stick reading \_\_\_\_\_

Observer \_\_\_\_\_

HWM \_\_\_\_\_

Remarks Sp. Cond 160.0 μs @ 8.4 °C (flashing) @ 19:30

Discharge

U. S. DEPARTMENT OF THE INTERIOR  
Geological Survey

Form 9-275-D  
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12-26-03, 19

MISCELLANEOUS FIELD NOTES

PRISCA STREAM @ B1 S, J, LCC

- Flowing
- Warm day, Stream not flowing 6 HRS ago

IG All over the place.

Time	OG
*6e 1911	0.61
stag + 15 sec 1.92	
+15 sec 1.97	
" 2.02	
" 2.06	
" 2.11	
" 2.15	
" 2.20	
" 1.96	
" 1.68	
" 1.74	

- Try to Purge

Time	OG
*6e 1917	0.62 +/- 0.05
stag 1.88	
+15 sec 1.53	0.60 +/- 0.02
ti 1.83	
1.87	
1.897	
1.71	

□

AqauCalc 5000 (tm) by JBS Instruments

Firmware Version AQCUG '94

'95

'96

'97

1999

GAGE ID# 0  
 DATE 12/26/03  
 TRANSECT 9  
 USER ID# 0  
 STAFF HEIGHT 0  
 GAGE HEIGHT 0  
 METER ID# 0  
 AQUACALC ID# 1363  
 METER TYPE Pygmy ST2  
 METER CONST. C1 0.9604  
 METER CONST. C2 0.0312  
 METER CONST. C3 0  
 METER CONST. C4 0.0312  
 METER CONST. C5 1  
 MEAS. SYSTEM S.A.E. (English)  
 TOTAL STATIONS 12  
 TOTAL WIDTH 8.1  
 TOTAL AREA 1.13  
 TOTAL DISCHARGE 1.172  
 MEAN VELOCITY 1.02

ST.	DIST	DEPTH	REVS	TIME	COS:VF	LOC	CLOCK	VEL	AREA	FLOW(Q)
1	3.7	0	0	0	1	0.6	0:00	0	0	0
2	4.5	0.17	21	40.8	1	0.6	19:38	0.526	0.136	0.0715
3	5.3	0.17	42	40.8	1	0.6	19:39	1.02	0.136	0.1387
4	6.1	0.21	48	40.6	1	0.6	19:42	1.167	0.147	0.1715
5	6.7	0.21	50	40.1	1	0.6	19:44	1.229	0.126	0.1548
6	7.3	0.24	52	40.5	1	0.6	19:45	1.264	0.144	0.182
7	7.9	0.23	60	40.1	1	0.6	19:46	1.468	0.138	0.2025
8	8.5	0.17	44	40.5	1	0.6	19:47	1.075	0.102	0.1096
9	9.1	0.15	34	41	1	0.6	19:48	0.828	0.113	0.0935
10	10	0.1	20	40.5	1	0.6	19:49	0.505	0.095	0.0479
11	11	0	0	0	1	0.6	0:00	0	0	0
12	11.8	0.1	0	0	1	0.6	0:00	0	0	0

NOTE: Turbulent Velocity Measurements Allowed

□