

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 31
Comp. by. KDL

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by AE

Crescent
Date 01-21-05, 1905 Party JJ CF
Width 6.8 Area 793 Vel. 1.178 G. H. Disch. 0.934
Method No. secs. 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	ADR	Graphic	Outside	No	Yes	Time
						Samples Collected		
						No	Yes	Time/ <u>300</u>
						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. 100 feet, mile, above, below gage.
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow low, slightly turbulent but even
 Cross section cobbles
 Control ok
 Gage operating yes Weather sunny / cold
 Intake/Orifice cleaned Air °C@ Water °C@
 Record removed yes Extreme Indicator: Max. Min.
 Manometer N₂ Pressure Tank Feed Bbl rate per min.
 CSG checked Stick reading
 Observer
 HWM outside, in well
 Remarks closed gage / ran levels
For discharge used value of 3.037
average between 1400 and 1500 AE
 G.H. of zero flow ft. Sheet No. of sheets

River at—

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	3.5	.55	0								
	4.6	.7	.08	S	20	40		.511		.056	.029
	4.9	.8	.11	S	40	43		.925		.033	.031
	5.2	.8	.12	S	50	46		1.08		.036	.039
	5.5	.8	.15	S	60	40		1.47		.046	.066
	5.8	.8	.21	S	60	42		1.40		.063	.088
	6.1	.8	.17	S	60	44		1.34		.051	.068
	6.4	.8	.20	S	80	46		1.70		.060	.102
	6.7	.8	.20	S	60	44		1.34		.060	.080
	7.0	.8	.15	S	50	42		1.17		.045	.053
	7.3	.8	.19	S	40	45		.885		.057	.050
	7.6	.8	.20	S	80	46		1.70		.060	.102
	7.9	.8	.15	S	50	40		1.23		.045	.055
	8.2	.8	.11	S	25	43		.590		.033	.019
0	8.5	.4	.09	S	50	41		1.20		.036	.043
	9.0	.4	.09	S	30	40		1.23		.036	.044
	9.3	.8	.09	S	40	45		.885		.027	.024
	9.6	.5	.10	S	40	49		.815		.050	.041
	10.3	.35	0								
											.934
											K05
											K00

0.934
K05
K00

LEVEL NOTES

STREAM Crescent
LOCALITY FB
PARTY JJ / CY DATE 1-21-05, 19

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
(X) RM3	2.598	8.139		5.541	bolt 55' DSL
RM4			3.583	4.556	bolt 5' from onfire (4.535)
RPI			3.887	4.252	rebar (4.259)
onfire			5.420	2.719	
PZF			5.370	2.769	
IP			5.073	3.066	
	5.462	8.528			
PZF			5.766	2.762	
onfire			5.808	2.720	
RPI			4.277	4.251	
RM4			3.970	4.558	
RM3			2.983	5.545	
PZF			5.763	2.765	

Date 1/20/05, 19

MISCELLANEOUS FIELD NOTES

JJ/cy Crescent

- flow

- N₂ 1800psi

- changed SW

reset & change memory
to fill & stop.

- sp cond @ 1400 170.2ms

WT 7.2°C

*6 @ 1400

inside 3.1930 TID 1.19

$$\overset{WT}{*6} 06 = 4.252 - 1.19 = 3.062$$