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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. .....

Comp. by. .....

Sta. No. F-9 ..... **DISCHARGE MEASUREMENT NOTES** Checked by .....

Green Stream JD364

Date 29 DEC., 19 2008. Party ARB & PW

Width .35 Area .215 Vel. 1.86 G. H. ..... Disch. 11.655

Method 0.6 . No. secs. ..... G. H. change. ..... in ..... hrs. Susp. cor.

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

Type of meter PYGMY. Date rated ..... Tag checked .....

Meter ..... ft. above bottom of wt. Spin before meas. 2 min 20 sec after 29 DEC

Meas. plots. ..... % diff. from. ..... rating. Levels obtained .....

GAGE READINGS						WATER QUALITY MEASUREMENTS
Time		Inside	ADR	Graphic	Outside	No ..... Yes. X Time 1810.
1650.		4.428		TOP	32.5	.02 Samples Collected
1708.	orifice	purged				No ..... Yes. X Time 1810-1815
1802		4.438		TOP	0.3±0.02	Method Used
						EDI ..... EWI ..... Other. dip
						SEDIMENT SAMPLES
						No X Yes. ..... Time .....
						Method Used
						EDI ..... EWI ..... Other. .....
Weighted M.G.H.						BIOLOGICAL SAMPLES
G. H. correction						Yes. ..... Time .....
Correct M.G.H.						No X ..... Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge 2.0 (C) feet, mile, above, below gage.

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

Flow high, centered & left turbulent

Cross section boulder & gravel

Control Free & Clear overflow

Gage operating Yes Weather snow over

Intake/Orifice cleaned Yes purged Air ..... °C@ ..... Water ..... °C@ .....

Record removed NO Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank 1100 Feed 12 Bbl rate 60 per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks @ t=1650 hrs Stage=4.423 WT=5.337 °C

SC=27.499 µS DV=13.850 volts

.....

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

F9 Green Stream River at— 29 Dec 08

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY At point	VELOCITY Mean in vertical	Adjusted for hor. angle or ----	Area	Discharge
LEW	@ 1722 hrs										
	3 feet		0.0								
	5.0	~~1.0~~	0.10		25	41		0.617		.175	.108
	6.5	1.5	0.16		100.0	49		1.99		.24	.478
0.98	8.0	1.5	0.10		80	42		1.86	1.82	.185	.278
0.97	9.0	1.0	0.12		100.0	41		2.37	2.30	.12	.276
0.97	10.0	1.0	0.15		60	45		1.31	1.27	.15	.190
0.99	11.0	1.0	0.22		150	51		2.86	2.83	.22	.623
	12.0	1.0	0.25		80	45		1.74		.25	.435
	13.0	1.0	0.2		150	43		3.38		.20	.676
	14.0	1.0	0.24		20	40		0.511		.24	.123
	15.0	1.0	0.3		150	49		2.97		.3	.891
	16.0	1.0	0.3		80	42		1.86		.3	.558
	17.0	1.0	0.26		100	40		2.43		.26	.632
⊙	18.0	1.0	0.3		150	50		2.91		.3	.873
	19.0	1.0	0.28		150	40		3.63		.28	1.02
	20.0	1.0	0.32		100	40		2.43		.32	.778
	21.0	1.0	0.25		40	43		0.925		.375	.347
	23.0	2.0	0.18		150	62		2.35		.36	.846
	25.0	2.0	0.18		60	46		1.28		.36	.461
.97	27.0	2.0	0.18		100	43		2.26	2.19	.36	.784
.96	29.0	2.0	0.2		20	47		0.44	.422	.4	.169
	31.0	2.0	0.18		40	47		.849		.36	.306
.97	33.0	~~1.5~~	0.18		100	40		2.43	2.36	.27	.637
	34.0	~~1.9~~	0.1		40	47		0.849		.25	.212
KEW	38.0	~~4.0~~	0.0								
	35							1.875		6.215	11.655