

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Sta. No. 133 Lawson Meas. No. _____
 Date 12/7/07, 19 _____ Party NRM, LFS, AMS Comp. by NRM
 Width 2.9 ft. Area .38 ft² Vel. .815 G. H. _____ Disch. .333 cfs
 Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____
 Method coef. 0.6 Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
 Type of meter Pygmy Date rated _____ Tag checked _____
 Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____
 Meas. plots _____ % diff. from _____ rating. Levels obtained

GAGE READINGS				<i>tap down</i>
Time	Inside			Outside
1201	6.793		6.39	1.39
1246	6.88			
1301	6.959		6.40	1.37
		RPI = 7.57		
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

WATER QUALITY MEASUREMENTS
 No _____ Yes Time _____
 Samples Collected 1205 = T
 No _____ Yes Time pH 8.0
 SC = error Method Used Conductivity 26.3
 EDI _____ EWI _____ Other MS

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 125 feet mile, above, below gage.
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow Present
 Cross section _____
 Control clear, some ice, snow in channel US of control
 Gage operating _____ Weather mostly sunny
 Intake/Orifice cleaned _____ Air +3 °C @ 1305 Water 0.1 °C @ 1205
 Record removed _____ Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1300 Feed 10.5 Bbl rate _____ per min.
 CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well _____
 Remarks nutrients filtered on site
Ran levels

River at-

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VERTICAL			
	3.8	.35		.6	LEW @		12:37				
	4.5	.5	.1		25	44		.577		.005	.0029
	4.8	.3	.2		40	46		.866		.06	.0520
	5.1	.3	.3		60	44		1.34		.09	.1206
	5.4	.3	.3		40	43		.925		.09	.0833
	5.7	.3	.2	↓	50	49		1.01		.06	.0606
	6.0	.5	.15		7	47		.174		.075	.0131
	6.7	.35	0					4.892		.38	.3325
	REW		1255					.815			
	2.9	2.9									