(43)

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12/30/00, 19

Slight overcast
breezy
~0°C → +0

MISCELLANEOUS FIELD NOTES

Commonwealth Stream @ C1 PC, JM, CJ

- decent flow, control looks ok
- collected Stream chem
- made Q meas (Pygmy)
- N @ 1800 psi
- leaving 1 extra tank of N here as backup (same as Onyx set-up)
- Date, time good

	inside	outside	
Stage	8.85	2.14	@ 1328
AT	5.3	-	
WT	-	70	
SC	-	21.6	
Volts	13.7	13.-	charging
	8.87	2.13	1400

No. _____ of _____ sheets

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey

Water Resources Division

Meas. No. 43

Comp. by CJ

Sta. No. _____ **DISCHARGE MEASUREMENT NOTES** Checked by _____

Commonwealth stream @ C1

Date 12-30-00 Party JM, CJ, PC

Width 7.4 Area 2.691 Vel. 1.17 G.H. _____ Disch. 3.498

Method .6 No. Sec. 23 G.H. Change -.01 in .5 hrs. Susp. Rod

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. _____ after _____

Meas. Plots _____ % diff from _____ rating. Levels obtained _____

GAGE READINGS						WATER QUALITY MEASUREMENTS
Time	Inside			TD	Outside	No..... Yes..... Time.....
1328	8.85			7.14	8.86	Samples Collected
1400	8.87			7.13	8.87	No..... Yes...X..... Time.....
						Method Used
						EDI..... EWI..... Other.....
						SEDIMENT SAMPLES
						No..... Yes..... Time.....
						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 _____ feet, mile, above, below, gage.

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

Flow _____

Cross section _____

Control _____

Gage operating _____ Weather _____

Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max _____ Min _____

N_2 Pressure Tank _____ Feed _____ Bbl rate _____ per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside,in well _____

Remarks see accompanying notes

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 seconds	VELOCITY: At point	VELOCITY: Mean in ver-tical	Adjusted for hor.-angle or ——	Area	Discharge
	1.2		0	LEW @	1330			0		0	0
	1.6		.15	.6	20	42		0.49		.060	.029
	2.0		.25	|	24	42		0.58		.100	.058
	2.4		.28	|	30	46		0.66		.098	.064
	2.7		.28	|	40	42		0.95		.084	.079
	3.0		.30	|	40	46		0.87		.090	.078
	3.3		.40	|	50	40		1.23		.120	.148
	3.6		.45	|	100	72		1.37		.135	.184
	3.9		.45	|	100	66		1.49		.135	.201
	4.2		.50	|	100	67		1.46		.150	.220
	4.5		.52	|	100	60		1.63		.156	.255
	4.8		.55	|	100	62		1.58		.165	.261
	5.1		.55	|	100	61		1.61		.165	.265
o	5.4		.55	|	100	58		1.69		.165	.278
	5.7		.58	|	100	58		1.69		.174	.294
	6.0		.58	|	100	56		1.75		.174	.304
	6.3		.55	|	100	60		1.63		.165	.269
	6.6		.50	|	100	73		1.35		.150	.202
	6.9		.38	|	50	44		1.12		.152	.171
	7.4		.20	|	45	45		0.99		.100	.099
	7.9		.20	|	20	62		0.34		.100	.034
	8.4		.15	↓	3	45		0.10		.052	.005
	8.6		0	REW @	1356			0		0	0
	7.4							1.17		2.691	3.498

.80 .90 .94 .97 .98 .99 1.0 .99 .98 .97 .94 .90 .85 .80