

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

STATION NUMBER _____

Form 9-276
(July 1967)

LEVEL NOTES

STREAM Commonwealth stream
LOCALITY CI
PARTY JS / RS DATE 1-28-05, 19

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
(4) RM1	4.483	14.483		10.00	bolt 30' DS RS
RP2			5.194	9.289	bolt 11' US
RP3			3.468	11.015	rebar
orifice			6.299	8.184	
PZF			6.285	8.198	
TP			5.270	9.213	
	5.203	14.416			
PZF			6.223	8.193	
orifice			6.233	8.183	✓
RP3			3.403	11.013	✓
RP2			5.127	9.289	✓
RM1			4.417	9.999	✓

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

Sta. No. C1

Meas. No. 53

Comp. by KDC

Checked by JCK

Date 1-28-05, ~~19~~ Party USIRS

Width _____ Area _____ Vel. _____ G. H. _____ Disch 2.856

Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. KDC

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 yes

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	TD	Outside	No	Yes <input checked="" type="checkbox"/>	Time
1130	stage 8.97	3.74	2.26	8.75	JCK	Samples Collected
	WT -			1.7°C	No	Yes <input checked="" type="checkbox"/> Time <u>1130</u>
	cond -			22.9	US	Method Used
					EDI	EWI _____ Other _____

				SEDIMENT SAMPLES		
1307	stage 9.10	3.86	2.14	8.87	JCK	
					No <input checked="" type="checkbox"/>	Yes _____ Time _____
						Method Used
					EDI	EWI _____ Other _____

				BIOLOGICAL SAMPLES	
Weighted M.G.H.				Yes	Time _____
G.H. correction				No <input checked="" type="checkbox"/>	Type _____
Correct M.G.H.					

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 the following cond:

Flow _____

Cross section _____

Control _____

Gage operating _____ Weather sunny

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

Record removed yes Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1500 Feed 10 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks closing box - changed SM (reset fill? step 10L pipe)
date: fine good / battery = 12.93 volts

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

check
sed. →
from
main

Name: Commonwealth Stream

Date: 01/28/05

Sta. #	Velocity														
METER TYPE:	pygmy											From count/CMD			
Vert. Ang.	Air Line Dist to WS	Hor Ang.	Dist. from initial point	Width	Depth	Adj. Depth	Obs. Depth	AA PYG CMD EST	Revolutions	Time in seconds	At point	Mean in vertical	Adjusted for hor. angle	Area	Discharge
				11.9								1.338959		2.133	2.856
TOTALS															
			4.1	0.95	0			pygmy							
			6.0	1.15	0.1		0.6	pygmy	20	52		0.401		0.115	0.046
			6.4	0.4	0.12		0.6	pygmy	50	47		1.05		0.048	0.05
			6.8	0.4	0.14		0.6	pygmy	40	51		0.784		0.056	0.044
			7.2	0.4	0.16		0.6	pygmy	100	48		2.03		0.064	0.13
			7.6	0.4	0.25		0.6	pygmy	50	45		1.1		0.1	0.11
			8.0	0.4	0.2		0.6	pygmy	40	47		0.849		0.08	0.068
			8.4	0.4	0.23		0.6	pygmy	50	44		1.12		0.092	0.103
			8.8	0.4	0.25		0.6	pygmy	30	44		0.686		0.1	0.069
			9.2	0.4	0.2		0.6	pygmy	60	45		1.31		0.08	0.105
			9.6	0.4	0.22		0.6	pygmy	60	40		1.47		0.088	0.129
			10.0	0.4	0.18		0.6	pygmy	80	42		1.86		0.072	0.134
			10.4	0.4	0.3		0.6	pygmy	80	46		1.7		0.12	0.204
			10.8	0.4	0.35		0.6	pygmy	100	47		2.07		0.14	0.29
			11.2	0.4	0.36		0.6	pygmy	80	42		1.86		0.144	0.268
			11.6	0.4	0.4		0.6	pygmy	60	42		1.4		0.16	0.224
			12.0	0.4	0.5		0.6	pygmy	80	44		1.78		0.2	0.356
			12.4	0.4	0.4		0.6	pygmy	80	45		1.74		0.16	0.278
			12.8	0.5	0.2		0.6	pygmy	60	45		1.31		0.1	0.131
			13.4	0.7	0.12		0.6	pygmy	30	42		0.717		0.084	0.06
			14.2	1.3	0.1		0.6	pygmy	20	47		0.44		0.13	0.057
			16.0	0.9				pygmy							