

LEVEL NOTES

STREAM Commonwealth @ CI

LOCALITY _____

PARTY ANW, TK DATE 2012-12-03, 19__

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
					• open box @ 1056, arriving by foot w/TK
					* stream is flowing
					• Connecting to CR10x via loggernet.
					-connection established @ 1101
					• sending new program "CI-1213-A.dld"
					-file sent and compiled.
					• station date and time look O.K
					* @ 1106 (before program trans. to SM)
stage	1.6048				}
WT	1.2276				
cond	- 4.4528				
AT	7.7591				
BV	12.286				
					• program (new) moved from CR10x to SM ✓
stage	1.4016				} • checked to ensure
WT	5.3733				
cond	33.760				} ? - shouldn't stage be 8. something?
AT	7.99				
BV	12.273				
					• measured flow w/ pygmy
					• Leaving @ 1254

U.S. DEPARTMENT OF THE INTERIOR

U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES

Meas. No. _____

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name Commercially Stream @ C7

Date _____, 20____ Party ANW, TR

Width 5.0 Area 0.91 Vel. 0.65 G. H. 1.409 Disch. 0.60

Method pygmy No. secs. ~40 G. H. change 0.12 in 0.5 hrs.

Method coef. _____ Horiz. angle coef. _____ Susp. _____ Tags checked _____

Meter Type _____ Meter No. _____ Meter _____ ft. above bottom of wt

Rating used _____ Spin test before meas. _____; after _____

Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS				
Time			Inside	Outside
1145			1.40	
1150			1.409	8.34
1200	Start		1.432	8.42
1215			1.41	
1230			1.43	
1245			1.43	
1250	Finish			
1300			1.47	
Weighted MGH				
GH correction				
Correct MGH				

Samples collected: water quality, sediment, biological, other _____

* offset adj req. in prog

Measurements documented on separate sheets: water quality, aux./base gage, other _____

Rain gage serviced/calibrated _____

Weather: _____

Air Temp. _____ °C at _____

Water Temp: _____ °C at _____

Check bar/chain found _____

Changed to _____ at _____

Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, 20 ft., mi. upstr., downstr. of gage

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

conditions: Flow: Unsteady,

Cross section: Sandy

Gage operating: _____ Record Removed _____

Battery voltage: _____ Intake/Orifice cleaned/purged: _____

Bubble-gage pressure, psi: Tank _____, Line _____; Bubble-rate _____ /min

Extreme-GH indicators: max _____, min _____

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: _____

Remarks: _____

GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____

Sheet No. _____ of _____ sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75
River at -

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE .80
							AT POINT	MEAN INVER-TICAL			
LEW = 3.8											
REW = 9.2											.85
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4.0	0.2	0.2	0.16		20	40					
4.2	0.4	0.2	0.18		25	43					.90
4.4	0.6	0.2	0.20		20	50					.92
4.6	0.8	0.2	0.20		30	47					
4.8	1.0	0.2	0.22		30	41					.94
5.0	1.2	0.2	0.24		20	46					.96
5.2	1.4	0.2	0.24		25	48					.97
5.4	1.6	0.2	0.20		30	42					.98
5.6	1.8	0.2	0.18		45	42					.99
5.8	2.0	0.2	0.20		40	40					
6.0	2.2	0.2	0.22		35	41					
6.2	2.4	0.2	0.22		40	45					1.00
6.4	2.6	0.2	0.24		30	43.5					
6.6	2.8	0.2	0.24		30	40					
6.8	3.0	0.2	0.22		40	41					.99
7.0	3.2	0.2	0.22		35	41					.98
7.2	3.4	0.2	0.18		15	45.5					.97
7.4	3.6	0.2	0.20		40	44					.96
7.6	3.8	0.2	0.12		25	50					
7.8	4.0	0.2	0.10		20	40					.94
8.0	4.2	0.2	0.14		15	46					.92
8.2	4.4	0.2	0.14		20	46					.90
8.4	4.6	0.2	0.12		15	44					
8.6	4.8	0.2	0.12		20	41					
8.8	5.0	0.2	0.10		0	40					.85
9.0	5.2	0.2	0.10		0	40					
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10%

.0 .10 .20 .30 .40 .50 .60 .70 .75