(Sep. 2000)

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

Meas. No. _____

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name House Creek

Date 1-11 , 2013 Party Devin Castendyk + Jon Denner

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

Method 0.6 No. secs. _____ G. H. change _____ in _____ hrs.

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

Meter Type Pygmy 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
	Start					
	Finish					
Weighted MGH						
GH correction						
Correct MGH						

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

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, _____ ft., mi. upstr., downstr. of gage

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

Cross section : _____

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 _____

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Sheet No. _____ of _____ sheets

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

River at -

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA-TION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY AT POINT	VELOCITY MEAN INVER-TICAL	ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
LEW:	0	.4	0				0				
L440	.8	.55	.18		10	53	.212				
	1.1	.3	.16		60	46	1.28				
	1.4	.3	.18		40	40	.992				
	1.7	.3	.18		25	41	.617				
	2.0	.3	.20		50	46	1.08				
	2.3	.3	.18		20	49	.423				
	2.6	.3	.16		25	48	.531				
	2.9	.3	.18		30	40	.752				
	3.2	.3	.16		30	58	.528				
	3.5	.3	.20		40	53	.756				
	3.8		.16		30	40	.752				
1455	4.1		.15		40	54	.743				
RIEW	4.6		0				0				
⊙											

.80 .85 .90 .92 .94 .96 .97 .98 .99 1.00 .99 .98 .97 .96 .94 .92 .90 .85 .80

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

eas. N

Site Visit Sheet

House Creek

11 Jan. 13

arrive @ 1420 S.O. + D.C.

weather : 30% cloud; 70% clear; slight up-valley wind

conditions : Moderate Stream Flow

YSI : 1445

Temp 0.9

S.Cond 2Evr

Cond. 33.6

unadjusted

WQ collected by D.C. at 1445

Jon measures discharge w/ Piggy

* See USGS Discharge Measurement Sheet and Excel discharge file

Q = 0.47 cfs measurement is POOR

Leave at 1500

over →