

LEVEL NOTES

Stream H2 - House Creek

Locality _____

Party JG, EV, KCDate Jan 262003

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
RM60	0.182				orange painted post sideways in road 20 ft (L) of glass box
RPI			5.169		top of rebar
Rock			2.562		mark on rock (v. faded) from survey at beginning of section ~ 60 ft up on weir
Flume (a)			5.860		US top (R)
Flume (b)			7.921		US bottom (C)
Orifice			7.920		
Staff plate			5.910		top of plate
Flume (c)			6.055		DS top (L)
Flume (d)			8.268		DS bottom (C)
PZF (a)			6.885		nr weir
PZF (b)			6.962		nr middle
PZF (c)			7.169		@ edge
Flume (a)			5.862		US top (R) 0.002
Flume (b)			7.920		US bottom (C) 0.001
Orifice			7.917		0.003
Staff plate			5.910		0
Flume (d)			8.275		DS bottom (C) 0.007
Flume (c)			6.049		DS top (L) 0.006
RPI			5.167		0.002

Did not move
instrument.
because very
difficult to
find a location
to set up level

No _____ of _____ sheets _____ Comp. by _____ Chk. by _____

Rock 2.560

RM60 0.179

★ GPO 1984 O-452-826

0.002

0.003

is this DS left
be north - maybe
RM2
moved
which would

HOUSE CR

1/26/03

- CLOSED!

Stream chem collected yesterday by algae ops.
1/25/03

Notes

A RM60 - orange painted bolt sideways in rock
20' \odot of gage box

B // Rebar in channel

C mark on rock (very faded) from
survey at beginning of season
~ 60 ft upstream of weir

Station	BS	Ilt Instr	F.S.	Elev	Remarks
RM60	0.182				A
Rebar			5.169		B
Rock			2.562		C
Flume			5.860		US Top R
"			7.921		US Bottom center
"			7.920		on face
"			5.910		top of staff
"			6.055		DS Top left
"			8.268		DS Butt center
PZF			6.885		nr weir
PZF			6.962		nr middle
PZF			7.169		at edge
Flur			5.862		US Top R
			7.920		us B. H center
			7.917		on face
			5.910		top of staff
			5.910		
			8.275		DS butt center

second check
without instrument

House (contd)

frozen w/ in flume

Station	BS	H ₂ O	FS	Elev.	Remarks	
			6.049		DS top (A)	Took out H2B starg module
			5.167		Rebar (B)	Installed H2B H2A starg module
			2.560		Markson (C) Rock	Conductivity probe now out of permafrost
Bolt	0.179		0.179		Bolt	(first time during entire season)

21:00- reopened conoflow

Temp probe wire still stuck in permafrost

N₂ tank press ≈ 1925 ps.

N₂ reg press = 10 ps.

Readings do seem funny

Conoflow bubble rate = 60 bubbles min

21:00

(after new starg module installed) 21:07

21:17

Ch. 1	1.0220		1.5272		3.1648	3.6826
Ch. 2	0.60148		0.46744		0.39274	0.38508
Ch. 3	0.27976		0.26980		-0.880	-1.0200
Ch. 4	-196.14		-223.86		2004.4	53.219
Ch. 5	13.336		13.322		13.309	13.302
Ch. 6	0.50708		1.3462		2.2564	2.6726

NO FLOW

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

Meas. No. 6
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name H2 - House
Date Jan 26, 2003 Party JG, EV, KC arrived @ 17:40
Width _____ Area _____ Vel. _____ G. H. _____ Disch. _____
Method _____ No. secs. _____ G. H. change _____ in _____ 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
17:45			1.0723	
21:00	Start		1.022	
21:07			1.5272	
21:10			3.1648	
21:11			3.6226	
	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: 100th cc; wind < 5 mph ft east
Air Temp. _____ °C at _____
Water Temp. _____ °C at _____
Check bar/chain found _____
Changed to _____ at _____
Correct _____

collected on 1/25/03
by algae ops

re-opened conoflow →

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 _____
² Battery voltage: 13.03, 13.03 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1500 → 2000, Line 12 → 10; Bubble-rate 80 /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

Remarks: Installed new N2 tank @ 18:00 - left 1500 psi N2 tank in gage box as spare; LEVELS; took out H2B 5019 module, put in H2A 514
GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____

Sheet No. _____ of _____ sheets

INFLC 516
RDGS

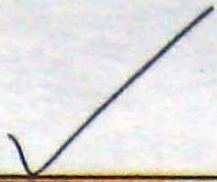
→ changed N2 tank @ 18:00
re-opened conoflow @ 21:00

INFLC WTR
TEMP RDGS

⇒ temp probe line still buried

Gauge:

H2
House



Date	6 - Jan - 2003	26 - Jan - 2003	
time of visit (start & finish)	8:15	17:40	
party	JG PS	JG, EV, KC	
cloud cover (% type)	100% cumdostratus	100%	
wind (spd, dir)	~10 mph E	< 5 mph from east	
air temp			
surveying?	N	Yes	
photo? (#, which camera)	4 - JG		need to install plaque
to do items? (y/n)	Fix tarp, CR10 channels	Yes - new bench marks needed	need to fix retaining strap for
which field notebook?		A	N2 tank - drill
Flow measurements (times)		NO FLOW	
condition of control, probes	control not o.k., probes buried	control not o.k., flume above PZC	South side of wall
method (meter, flume, visual)	visual		
discharge (units)	< 0.5 L/sec		
outside stage (staff or top down)	< 0.01		
CR10 stage reading	0.837??		
Inside Box			
CR10 Channels (times)	~820	17:45	
? ch1 stage	0.837	1.0723	
2 water temp	-0.96	1.1871	
3 conductivity	0.24	0.22975	
? 5 battery voltage	13.2	13.397	
6 air temp	-0.17	10.6330	
Year, Day, Time	2003, 06, 824 (824 on 16 until)	03, 26, 1, 18:16	
settings o.k?	yes		
*0?	✓	ch. 4 127.01	can 18:00
N2 tank pressure (psi)	1600	1500	installed new N2 tank 2000 psi left 1500 psi tank in box as spare
N2 feed pressure (psi)	10	12	✓/10
purge?	Yes! first time	=	✓/yes
bubble rate (per min) on conoflow	76	80	
Stream Chemistry (times)	8:34	collected yesterday by algae d(2)	
water temp. (units)	10.2 on road, near		
sp. cond. (units)	8.8 - 6 ERR when flushing		
pH and temp of probe	in lab		
instrument notes (i.e. cal. time)			
water samples collected?	Yes		

ch 4 III.

uncounted
ch 4 = 111 @ ~820

13.03 ✓, 13.03 ✓

H2 - House Ck

1/26/03

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1/25/03.

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