

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

Meas. No. G
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name H2 - House
Date Jan 12, 2003 Party JG, EVM 17:00 - 19:00
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
		<u>0.8</u>	<u>Staff</u>
		<u>com-ft</u>	<u>in</u>
		<u>1.0729</u>	<u>7/8</u>
Start			
		<u>0.926</u>	
Finish			
Weighted MGH			
GH correction			
Correct MGH			

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

@: 17:30

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

Rain gage serviced/calibrated _____

Weather: 100% cc - cumulostratus; wind < 5 mph

Air Temp. _____ °C at _____

Water Temp. 0.2 °C at 17:30

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: 13.49 Intake/Orifice cleaned/purged: _____

Bubble-gage pressure, psi: Tank 1600, Line 11; Bubble-rate 65 /min.

Extreme-GH indicators: max _____, min _____

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

HWM inside/outside: _____

Control: _____

Remarks: Took out rocks, piled sand on temp - maybe
fixed control??; Vials are buried

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

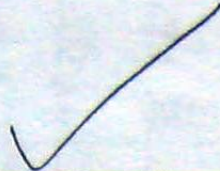
Sheet No. _____ of _____ sheets

?? but
probe
unburied

Time - changed time was 2 min slow

① Staff plate rdg = $\frac{7}{8} \ln\left(\frac{61}{12 \text{ in}}\right) = 0.0729 \text{ ft}$

Gauge:

H2
House

5

Date	12 - Jan - 2003		
time of visit (start & finish)	1700 - 1900		
party	JG EUM		
cloud cover (% type)	100% cumulostratus		
wind (spd, dir)	< 5 mph		
air temp			
surveying?	No		
photo? (#, which camera)	JG		
to do items? (y/n)	check control, unbug lines		
which field notebook?			
Flow measurements (times)			
condition of control, probes	fixed control, lines buried in plaster		
method (meter, flume, visual)			
discharge (units)			
outside stage (staff or top down)	7/8"		
CR10 stage reading			
Inside Box			
CR10 Channels (times)			
ch1 stage	0.926		
ch2 water temp	1.01		
3 conductivity	0.399		
ch5 battery voltage	13.49		
ch4 air temp	95.435		
Year, Day, Time	changed time was 2 min slow		
settings o.k?	✓		
*0?			
N2 tank pressure (psi)	1600		
N2 feed pressure (psi)	11		
purge?	bubbles visible		
bubble rate (per min)	65		
Stream Chemistry (times)			
water temp. (units)	0.2°C		
sp. cond. (units)	48.1 (not flushing)	LErr (flashing)	
pH and temp of probe			
instrument notes (i.e. cal. time)			
water samples collected?	Yes		

fixed control

HZ-House

11/12/03

JG, EV

Took out rocks

Piled sand on tarp

John & Eva think they've solved the
problem