

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 _____

J-Dry
328

Sta. No. _____
Sta. Name H2-House
Date Nov 24, 2002 Party KC
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 _____

Some snow & ice
in stream channel

GAGE READINGS					
Time					
				Inside	Outside
Start					
Finish					
Weighted MGH					
GH correction					
Correct MGH					

NO FLOW

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: _____

2 batteries

Gage operating: _____ Record Removed _____
Battery voltage: 13.0, 13.0 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1200, Line _____; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

NO POWER
→ BOGUS RDGS
ON CR10

Remarks: Solar panel + batteries not hooked up
GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____
Sheet No. _____ of _____ sheets

H2-House CK

11/24/02

Description

- No flow ^{sill}
- Some snow in stream ahead
- Orifice lines are exposed
- Damage to weir on side closer to gauge box
- Solar panel not hooked up
- Batteries not hooked up
- No storage module
- Partially assembled portable flame
- Nz tank ~ 1200 PSI
- Two batteries - both @ 13.0 volts
- CR10 datalogger not CR10X

Next time

- Bring out drill
- Mounting hardware
- Look @ Andersen how solar panels hooked up

11/24/02 (Sun) - No flow, some snow + ice in stream channel

Wind - damaged wall

- unhooked solar panel
- CR10 not CR10X

Did not have tools to install solar panel therefore did not hook up N₂ tank

Did not have CR10X → ∴ did not hook up

Brought out new N₂ tank (did not record psi)

12/7/02 (Sat) Yes flow - OPEN

Not all of flow being captured by dam - some going around it,
some going below it

Conoflow missing ferrets

Two batteries OK

Hooked up N₂ tank to two batteries

12/8/02 (Sun) Yes flow

Opened conoflow

Rebuilt wall part of the way

Opened N₂ tank

2 - House To Do

11/24/02

✓ Hook up solar panel (12/8)

Install CR10X

✓ Hook up N₂ tank (12/8)

✓ Open conoflow (12/8)

12/7/02

Rebuild wall w/ sandbags

✓ Bring 2 ferrels for conoflow + open conoflow (12/8)

✓ Hook up solar panel permanently (12/8)

Attach handles for door

Bring extra stg module

Need black cap for pressure transducer box

Bring extra stg module

12/8/02

Monitor stg values - think line is frozen