Form 9-275F
(Apr. 2001)

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
J-Day 341 Date Dec 7 , 2002 Party JG, 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 _____

GAGE READINGS						
Time				06	Inside	Outside
				corr'n		ft
17:40				1.265		0.265
	Start					
18:38				1.245		0.245
	YES	FLOW				
	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 _____
2 batteries — Battery voltage: 12.8, 12.8 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: Caroflow missing ferrel; got it to work for now by wrapping teflon tape around caroflow where ferel should be
GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____

Sheet No. _____ of _____ sheets

Power - "Turned on" power - using battery power - still need to hook up solar panel

BAD PROBE RDGS - Two of the probes are buried

BAD STG RDGS - some of flow going outside the wall, some going below it
- jerry-rigged caroflow (see above) - maybe ok rdgs

JULIAN DAY - changed to 341

H2 - House Ck

12/7/02

Stg Rdg .265 ft 17:40

Ice-free at free line

Not capturing all the flow - some going outside the wall, some going below it

Batteries #1 12.8
#2 12.8

Two of the probes are imbedded in the permafrost lines

Sta

18:38
- 51.5 cm top of flume to top of wtr
- 8 cm Depth of wtr on top of orifice tube
- 9 cm ~~From gauge~~ - depth of water
- .245 ft Stage rdg

Some of flow escaping flume

P1001 - Conoflow missing ferrell
Wrapped teflon tape around
Jerry-rigged teflon tape ferrel

Initial rdg before jerry rig - 0.1
After jerry rig - slowly inc. - now up to 2.7

To Do Next Site Visit
For conoflow - 2 ferrels
3 hinges, attach handles for the door
Hook-up solar panel permanently
~~Plug-in solar panel~~
Extra storage module
Need black cap type of tubing for pressure transducer box
Rebuild wall w/ sandbags
Put in CR10X

Julian Day: 341 - corrected