

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTESMeas. No. 6

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name H2 - House CkDate Dec 8, 2002 Party JG, RC

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>06</u>		
			<u>Corrxn</u>		<u>01</u>
<u>15:50</u>			<u>1.425</u>	<u>22.62</u>	<u>0.425</u>
	Start				
<u>18:05</u>				<u>22.653</u>	
	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: unsuccessful - orifice line frozen

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: Added ferrul to conoflow; connected solar panel

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

Sheet No. _____ of _____ sheets

BAD ST6
RDGS

⇒ Couldn't purge conoflow → ORIFICE LINE FROZEN

Water escaping around outside of wall + underneath wall
(north side)

Used sand from channel

H2 - House Ck.

John, Karen

12/8/02

Notes

@ 15:50 - .425 ft stage rdg - some flow is escaping of frame on the

" Ch. 1 - 22.621 - too high (north side)

Added ferrel to canoflow, did snooty

Ch. 1 - 1.09

2 outice

- no leaks

stage rdg 13.5 cm above outice tube

Canoflow
Open

N2 reg
press

Ice
blocked 1/2 N

Ch. 1 rdg

4-22

10

4

10

N-bypass

50

couldn't blow into it w/ mass
Even w/ bypass & press @ 50
couldn't purge

⇒ We think it's blocked w/ ice

water escaping around outside
of wall & underneath wall
we will need to add wall

used sand from channel - only
sand avail. → sedo resting curve
on hsm flow

*6 - Ch. 1 - 22.653

Ch. 2 - 6.1694

Ch. 3 - 0.64937

Ch. 4 - 43.625

Ch. 5 - 13.118

Ch. 6 - 21.661

~ 18:05

*5 : 4r 02

Julian Day 342

old time : 1:15

New time 18:09

Connected solar panel!
- East side

Do Next Time

Red wall w/ more canvas

Monitor sy values - we think
line is frozen