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. _____
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name F21-Upper Von Guerard
Date Jan 10, 2003 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 _____

GAGE READINGS						
Time	TD				Inside	Outside
	in					
(1) 18:39	26 5/16	= 2.20'				0.80
	Start					
⇒ 18:56					0.9089	
	Finish					
Weighted MGH						
GH correction						
Correct MGH						

RDGS WILL BE WRONG - SEE BELOW

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

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

Rain gage serviced/calibrated _____

Weather: 5% cc - cumulus; wind = 10-15mph
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: _____
Bubble-gage pressure, psi: Tank 1650, Line 0 → 10, Bubble-rate 0 /min.
Extreme-GH indicators: max _____, min _____.
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

CONDFLOW IS NOT WORKING

STAGE MEASMTS WILL BE WRONG

Remarks: CONDFLOW IS NOT WORKING; ORIFICE LINE ABOVE FLOW AT START OF VISIT; Problems w/ control struc → see KC NB

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

Sheet No. _____ of _____ sheets

RP1 3.00
- TD 2.20
0.80 = OG

F21 - Upper VG

1/10/03

Time: ~18:00

At start of visit orifice line was above flow
→ orifice line should be @ or below pt of zero flow

North side of tarp has been pulled off by the force of water, sandbags appear to have remained in place below flow

South side tarp + sandbags still covered in snow

Water appears to be flowing under some of snow

~~No Stop module~~

~~Array repulsion light not on~~ → ~~appears~~ non-functional

~~Possible dead battery~~

Cooflow oil is low

Cannot see temp or conductivity probes

Scraped off snow + spread dirt on control structure

TO DO

Bring some tarp & sandbags

~~[illegible]~~

Need canoflow oil

Bring new canoflow

Bring spare battery

Visit during low flow - AM

Bring shovel

Bring rock bag to take out junk

F21 - Upper V6

1/10/03

Time: ~18:00

At start of visit orifice line was above flow
→ orifice line should be @ or below pt of zero flow

North side of tarp has been pulled off by the force of water, sandbags appear to have remained in place below flow

Southside tarp + sandbags still covered in snow

Water appears to be flowing under some of snow

~~No Stop module~~

~~Array repeater light not on~~ → ~~appears~~ ~~non functional~~

~~Possible dead battery~~

Condflow oil is low

Cannot see temp or conductivity probes

Scraped off snow + spread dirt on control structure

Gauge: F21 - Upper VG

Date	Jan - 3 - 03	10 - Jan - 03	- -
time of visit (start & finish)	18:25	17:45	
party	JG, KC	KC	
cloud cover (%, type)	30%, cirrus, cumulus	5% cumulus	
wind (spd, dir)	5-10 mph	10-15 mph ?	
air temp	34°F		
surveying?	yes	no	
photo? (#, which camera)	, JG		
to do items? (y/n)	yes	yes	
which field notebook?	yes (KDC)	KC	
Flow measurements (times)		18:16	
condition of control, probes	frozen under ice, flow 5' to left of active line	See NB	
method (meter, flume, visual)	visual		
discharge (units)	F3 cfs		
outside stage (staff or top down)	N/A	~~2.22~~	
CR10 stage reading	N/A	0.90890	
Inside Box		messed up comflow	
CR10 Channels (times)			
Ch. 31 stage	25.0 @18:56	0.90890	
Ch. 25 water temp	-2.31	3.0137	
Ch. 32 conductivity	-2278.6	55.562	
Ch. 1 battery voltage	13.637	14.080	
Ch. 2 air temp	7.62	8.4206	
Year, Day, Time	03 ✓, 3 ✓, 13:12 → 18:58	2003 ✓, 0010 ✓, 18:25 ✓	
settings o.k?	✓	✓	
*0 ?	✓	✓	
N2 tank pressure (psi)	1650	1650	
N2 feed pressure (psi)	11	0 → changed to 10	
purge?	tried but could not purge line, frozen	—	
bubble rate (per min)	2 → now screwed up	0 - be screwed up	
Stream Chemistry (times)			
water temp. (units)	0.0 - 0.1		
sp. cond. (units)	25.6 µS		
pH and temp of probe			
instrument notes (i.e. cal. time)			
water samples collected?	yes		

Is flow present or not

flow present stage = 0.64 ft
anchor ice present