

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 Guericke
Date Dec 27, 2002 Party PAS, KDC
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 _____

J-dang
361

control covered
in snow

GAGE READINGS					
Time				Inside	Outside
17:49				20.144	/
	Start				/
	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: 100% CC
Air Temp. 30 °F 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: 14.241 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1600, Line 10; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

Remarks: can't flow not bubbling; orifice line & conductivity probe appear frozen

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

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DISCHARGE MEASUREMENT NOTES**

Sta. No. F21-44PT VG Meas. No. _____
 Date 12/27, 10 02 Party MS, KDC Comp. by _____
 Width _____ Area _____ Vel. _____ G. H. _____ Disch _____
 Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____
 Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
 Type of meter _____ Date rated _____ Tag checked _____
 Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____
 Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time		Inside		Outside	No <input checked="" type="checkbox"/>	Yes _____	Time _____
					Samples Collected		
					No _____	Yes _____	Time _____
					Method Used		
					EDI _____	EWI _____	Other _____
					SEDIMENT SAMPLES		
					No <input checked="" type="checkbox"/>	Yes _____	Time _____
					Method Used		
					EDI _____	EWI _____	Other _____
					BIOLOGICAL SAMPLES		
					Yes _____		Time _____
					No <input checked="" type="checkbox"/>		Type _____

Weighted M.G.H. _____
 G.H. correction _____
 Correct M.G.H. _____
 Check bar. chain found _____ changed to _____ at _____
 Wading, cable, ice, boat, upstr., downstr., side bridge _____ feet, mile, above, below gage.
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow _____
 Cross section _____
 Control _____
 Gage operating _____ Weather _____
 Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____
 Record removed _____ Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1600 Feed 10 Bbl rate 610 per min.
 _____ N/A _____ Stick reading N/A
 Observer N/A
 HWM _____ outside, in well _____
 Remarks Control is covered w/ snow
Control is covered w/ snow

FZ1

Vic Greenland - Upper

12/29/02

Pete, Karen

Time: 17:45

Battery volty = 14.22

Fill + stop OK

Battery of storg module OK

Yr 2002 ✓

Julian Day 361 ✓

Time: 17:49 ✓

Ch. 1 14.241 = Battery Volty

Ch. 2 3.0502°C = Air temp

Ch. 3 0.000

Ch. 25 = -4.690 °C = ^{wh temp} actually

Ch. 31 = 20.144

snow
flow

↳ on ice frozen

↑ pressure

Ch. 32 = -2545.2 conductivity

↳ probe probably frozen

Air Temp = 30°F

Weather = 100% overcast

photo - Pete