

U.S. DEPARTMENT OF THE INTERIOR  
U.S. Geological Survey  
WATER RESOURCES DIVISION  
DISCHARGE MEASUREMENT AND  
GAGE INSPECTION NOTES

Meas. No. 38  
Comp. by \_\_\_\_\_  
Checked by \_\_\_\_\_

Sta. No. \_\_\_\_\_  
Sta. Name F6 - Lwr Von Guericke  
Date Jan 30, 2003 Party JDG  
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 (ft)						
Time	TD	Pflume	Pflume	IG	Inside	Outside
	ft	ft	CFS	CR10X		
17:15				0.72		
17:30	1.52	0.11	0.051	0.711		0.84
17:40				0.711		
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: \_\_\_\_\_

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: \_\_\_\_\_

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

Sheet No. \_\_\_\_\_ of \_\_\_\_\_ sheets

① Tape down = 1.52 ft from top of rebar  
Since no end-of-season levels, assume that elevations = Jan 1 elevations  
→ (2.36 ft - rebar elev) - 1.52 ft = 0.84 ft

30 Jan 2003

17:30

Lower Von Guernard

Top of re down from rebar  
1.52 ft

Stage in prtbl flume  
0.11 ft

WX: cc: 5% cumulus  
wind: 10 mph E

J& solo

CRID & slm settings o.k.  
changed slm @ 17:40

took out F6A put in F6B  
slm settings ok.

@ 17:40

ch 1 .711 (atg)

ch 4 14.05

control looks good

N<sub>2</sub> pressure = 1800 / 10

did not charge tanks

Full tank in box

F6 - Lower Von Guerd

11/25/02 (Mon) - No flow, lots of snow

Swapped out FIA string module, installed F6B string module

Changed date on string module

Did string module checks

Swapped out old N<sub>2</sub> tank + installed new N<sub>2</sub> tank (2000 psi)

Did not hook up bec no SNOOP to detect leaks in N<sub>2</sub> tank

12/2/02 (Mon) No flow, snow in channel

Opened N<sub>2</sub> tank - no leaks detected (2000 psi)

Opened conoflow

12/17/02 (Tue) No flow