

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

Meas. No. 29  
Comp. by \_\_\_\_\_  
Checked by \_\_\_\_\_

*Jday*  
*329*  
*T=1330*

Sta. No. \_\_\_\_\_  
Sta. Name FG - Von GUERARD  
Date Nov 25, 2002 Party TF, KC  
Width \_\_\_\_\_ Area \_\_\_\_\_ Vel. \_\_\_\_\_ G.H. \_\_\_\_\_ Disch. 0  
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 \_\_\_\_\_

*Snow in channel*

GAGE READINGS					
Time				Inside	Outside
Start					
Finish					
Weighted MGH					
GH correction					
Correct MGH					

*NO FLOW*

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: 13.9 Intake/Orifice cleaned/purged: \_\_\_\_\_  
Bubble-gage pressure, psi: Tank 2000, Line \_\_\_\_\_; Bubble-rate \_\_\_\_\_ /min.  
Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_  
CSG checked: \_\_\_\_\_ HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_  
HWM inside/outside: \_\_\_\_\_  
Control: \_\_\_\_\_

Remarks: hooked up solar panel

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

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

	Old	New
Year	2002	→ ✓
Julian Day	329	→ ✓
Time	12:55	→ 13:26

*See 12/2/02 gage visit notes*  
*← must have set time to 12:26*  
*- this is seen in CR10 data*

FG - Von Guerard Lower

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11/25/02

Description

Tim Fitzgibbon  
Karen Corzetto

No flow

Lots of snow  
Solar panel hooked up  
N<sub>2</sub> tank - 0 psi

Checked F6B Storage Module

- Battery on storage module installed 3/2000  
∴ okay
- Erased data on storage module but not prog.

changing module at gauge

- Battery of datalogger is 13.9 V
- Values of old storage module seem to make sense.
- Swap out F6A, install F6B
- New N<sub>2</sub> tank has 2000 psi
- checked that storage module set to fill + stop
- checked that storage module battery is not low
- checked that the storage module contains the program
- Date: 2002, Julian Day is 329 ✓ OK 12/10
- Initial Time: 12:53
- GPS Time: 13:25
- checked that values in storage module OK.

Notes on snow fence for Thomas

White Stakes west side

South - 8-9 in exposed

Middle - 4-5 in exposed

North - 15 in. - mostly exposed (zero)

Snow piled ~13 m from fence uphill

Wide - 17 m

North side length 13 / 20

5	4
uphill	downhill
W	E

Inventories

Portable flume

Aico Solar panel

Next time

Bring extra battery

Bring SNOOP then turn on tank tomorrow

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### N<sub>2</sub> reg notes

- Close tank valve
- ~~DC~~ gas flow on regulator
- For empty tank, make sure that empty

### To Do Next time

Check battery power w/multimeter