

**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 F10 - Delta

Date Jan 16, 2003 Party JB

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	Tdown			Inside	Outside
	cm				ft
20:03	39.0				4.241
	Start				
20:05				4.143	
	Finish				
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality, sediment, biological, other \_\_\_\_\_

② 20:00

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

Rain gage serviced/calibrated \_\_\_\_\_

Weather: 80° F - cloudy; wind - 5-10 mph fr east

Air Temp. \_\_\_\_\_ °C at \_\_\_\_\_

Water Temp. 5.0 °C at 20:00 DG

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: yes Record Removed \_\_\_\_\_

Battery voltage: 12.78 Intake/Orifice cleaned/purged: \_\_\_\_\_

Bubble-gage pressure, psi: Tank 1800, Line 10; Bubble-rate 60 /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

	Time	IG	OG
Sp Cond	20:00	N/A	187.7 μS
Wtr Temp	20:00		5.0 °C

Top of rebar elevation from 1/9/03 levels = 5.522 ft

① Tapedown @ 20:03 =  $39.0 \text{ cm} \left( \frac{1 \text{ in}}{2.54 \text{ cm}} \right) \left( \frac{1 \text{ ft}}{12 \text{ in}} \right) = 1.280 \text{ ft} \rightarrow 5.522 - 1.280 = 4.242 \text{ ft}$

16 Jan 2003

Delta

JG Solo

WX: 60% cims, wind 5-10 mph from East

arrive 1955

Tape Down = 39.0 cm from rebar @ 20:03

It<sub>0</sub> collected @ 20:00

Cond = 116.0 (not flashing)  $\mu S$

SC = 187.7  $\mu S$  (flashing)

temp = 5.0 °C

CR10 reads E 09 31 after pressing \*0 then  
leaving for 5 minutes

Stage \*GA ch 1 4.143

AT ch 2 0.000

WT 3 5.105

Volts 4 12.78

5 6.00

6 0.17

- no problems or error  
messages after this  
- everything else about it  
looks o.k.

CR10 settings  $\checkmark$  S/m o.k.

has a CR10 WP

- control looks ok
  - cono flow bubbling
  - $N_2$  1800/10
- bubble rate  
rate = 60 per sec

~~Bowles  
Green Creek~~

arrive @ 18:30 20:30

UG sdu

WX 95% cumulus wind 5-10 mph East

$H_2O$  collected @ 18:30

sc 59.3  $\mu S$

conductance 30.2  $\mu S$

temp 4.6  $^{\circ}C$

flow < 1 L/sec