

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTESMeas. No. 24

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name F8 - Crescent StrDate Jan 29, 20 03 Party JBWidth _____ Area _____ Vel. _____ G. H. _____ Disch. 0.611 cfs - pflume

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	Town	Pflume	Pflume	Inside	Outside	
	<u>ft</u>	<u>ft</u>	<u>cfs</u>			
14:20				3.04		
	Start					
① 16:45	1.25	0.38	0.611	3.09	2.998	
	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: _____

Air Temp. _____ °C at _____

Water Temp. 65 °C at 16:25 OG

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 1900, Line 10; Bubble-rate _____ /min.

Extreme-GH indicators: max _____, min _____

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: sp cond probe was a little dirty with algaeRemarks: no end of year survey?; because tank so full, did not change tank→ left replacement tank in box; @ 16:23 took out F8 story module
put in F8A 5/11

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

Sheet No. _____ of _____ sheets

Elevation of top of rebar = 4.25
4.248 ft from 1/9/03 levels① Tape down at 16:45 = 1.25 ft → $(4.248 - 1.25) = 2.998$ ft
4.25 3.0

	Old	New
Year	2003	→ ✓
Day	30	→ 29
Time	16:19	→ 16:20

Time	JB	OG
Wtr Temp	16:25	6.4 °C
Sp Cond	16:25	159.3 or 158.7 μS
Sp Cond	16:33	185.8 μS

29 Jan 2003

Crescent Area

JB 54

WX: awesome! same as Delta

AT = 0.8°C

No survey at end of season

16th

N₂ tank = 1900 psi / 10

did not change

left full tank in box

S/M's CH10 settings ok except
day was 30 changed to 29
moved time ahead 1 minute from

16:19 - 16:20

KG @ 1420

chl 3.04 stage

2 6.50 wt

3 185.5 SC

4 13.8 Volts

change S/m @ 16:23 took out F8 put in F84
S/m's CH10 settings still ok

Water ^{chem} samples @ 16:30 / 16:25

SC 159.3 μ S or 158.9

cond 102.6 μ S

temp 6.4

SC probe was a little dirty
with algae

control and other probes ok

orifice bubbler 3 purged ok

SC inside (CR10 did not change much)

read 185.8 @ 16:33

@ 1645

portable flow 0.38 ft and

stage top down flow rebar = 1.25 ft

CR10 ch10 = 309

→ 0.611 cfs KDC

29 Jan 2023

Harnish

JG solo

wx: still awesome
same as Cr

no flow present
no end of yr survey

CR10 s/n setting
changed s/n &
took out F7
put in F7,
changed scan rate

CR10 readings

ch1 stage =
4 batt volt =

changed N₂ tank
pressure was 11
now 200

purge was good
orifice was covered in
cleaned it out &
probably fill bac