

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

J. Day
345

Date Dec 11, 2002 Party JG, KC

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 _____

But no flow
yesterday 12/10
as seen from
helo.

GAGE READINGS					
Time				Inside	Outside
	<u>YES</u>	<u>FLOW</u>	<u>but</u>		
	Start	<u>orifice line seems frozen</u>			
12:19				5.0641	<u>2</u>
		<u>Unplugged power</u>			
	Finish				
13:03				4.37	
	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: 50th CC - cirrus; wind < 10 mph fr east

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

Extreme-GH indicators: max _____, min _____

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

HWM inside/outside: _____

Control: _____

I6 STAGE
RDGS PROB.
WRONG



Remarks: orifice line appears frozen

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

Sheet No. _____ of _____ sheets

Reset Time

Old New

00 → 02

00 → 346

00:37 → 13:03

JULIAN DAY
IS WRONG
Should be 345

Year
Julian Day
Time

2002 /
346
12:20

Unplugged
Power

F10- Delta - OPEN!

12/11/02

John, Kaver

Notes

Flow is present → not at gauge yesterday
as seen from field

12:02 - changed scan rate 900 → 10 sec

Tried to purge → did not work

~~Visited line - saw some sediment~~

~~→ saw bubbles at end of outflow line~~

Visited airice line → no bubbles

Loosened some ice & sediment → saw bubbles
at end of line

Purged on off flow a 2nd time & reset on off flow
to normal settings

Bubbles do appear out of airice line but

not as quickly as at other gauges

→ line still appears frozen

Clearing more ice from around airice line
in an effort to warm it up

12:19 x6 Ch. 1 = 5.0641

Ch. 2 = 0.0000

Ch. 3 = -0.84234

Ch. 4 = 13.985

Then Ch. 4 changes to E : 13.978
(when next 10 sec scan takes place)

x5 12:20:24

then wait 10 secs E: 12:20:XX appears

Yr: 02

Julian Day 346 OK

E09 31 appears

Time: 12:22

E09 - Insufficient Input Storage
Unplugged power

x1 - 900 sec → 10 sec

12:24

Downloaded F10A prog onto CR10 and downloaded
prog from CR10

12:28 Ch. 1 = 4.7369

Ch. 2 = 0.0000

Ch. 3 = -0.80251

Ch. 4

E:

→ F10B prog

→ F10A prog
→ F10B prog

Battery pur of stagnant F10B OK

Time:

New

Yr 00 → 02

Time 00:37 → 13:03

Julian Day 00 → 346

Changed Scan rate

Ch. 1 4.37 PSI

Ch. 2 0.00

Ch. 3 -0.8 Wt Kemp

Ch. 4 13.9 Volts

Weather: 50% cloudy w/cirrus clouds

Wind from east, < 10 mph