Form 9-275F
(Apr. 2001)

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

Meas. No. 6
Comp. by
Checked by

Sta. No.
Sta. Name F7 - Harrnish
Date Jan 10, 2003 Party PAS, ECVM, JG
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	T-dwn ft				Inside	Outside
① 16:18	1.45 Start				N/A	5.684
② 16:30	1.45				N/A	5.684
③ 17:30	1.46 Finish					5.674
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: Sunny, slight breeze SE
Air Temp. 5 °C at 16:15
Water Temp. 11.1 °C at 16:15
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 1750, Line 10; Bubble-rate /min.
Extreme-GH indicators: max , min .
CSG checked: HWM height on stick Ref. elev. HWM elev.
HWM inside/outside:
Control:
Remarks: LEVELS done
GH of zero flow = GH - depth at control = ft., rated
Sheet No. of sheets

not entered as inspection bec gage still not working

got gage to work @ 1730 & entered as inspection bec no flow measurement associated w/ it

← LEVEL NOTES ARE MISSING

① Tape down = 1.45 ft @ 16:18 → (7.134 ft top of rebar elev. on today − 1.45 ft tape down) = 5.684 ft ✓
Stage readings not working

② Tape down @ 16:30 = 1.45 ft → (7.134 ft − 1.45 ft) = 5.684 ft ✓
Stage readings not working

③ Tape down @ 17:30 = 1.46 ft → (7.134 ft − 1.46 ft) = 5.674 ft
Stage readings not working

BAD STG RDGS

Stage readings were -9999. Switched power off - did not fix problem. Pressure transducer was not getting power because red w. Pe went to SW12V. Moved wire to 12V & readings were fine (@ 17:30). Power back on

Form 9-275G
(Sep. 2000)

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

Meas. No. _____

Comp. by estimate

Checked by _____

7.134
L.45
5.684

Sta. No. _____

Sta. Name Harnish

Date Jan 10 , 2003 Party PAS, ECVM

Width _____ Area _____ Vel. _____ G.H. _____ Disch. ~30 from?

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					Inside	Outside
1618						5.68
1630						5.68
	Start					
	Finish					
1730						5.67
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality, sediment, biological, other _____
parms

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

Rain gage serviced/calibrated _____
SE

Weather: Sunny, slight breeze

Air Temp. ~~4~~ 5 °C at 1615

Water Temp. 11.1 °C at 1615

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: [X] yes Record Removed _____

Battery voltage: _____ Intake/Orifice cleaned/purged @ 1615

Bubble-gage pressure, psi: Tank 1750 , Line 10 ; Bubble-rate 56 /min.

Extreme-GH indicators: max _____ , min _____ .

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

HWM inside/outside: _____

Control: good, clear, ice bridged above orifice not affecting stage

Remarks: TPD = 1.45' from top of rebar @ 1618 = 7.134 (Elev of top of rebar leveled today) − 1.45' = 5.68 G.H. →

GH of zero flow = GH 5.68 - depth at control ~~0.00~~ 0.16 = 5.53 ft., rated _____

[X] no stage, NO power input. Fixed power input @ 1730 now reading

Sheet No. _____ of _____ sheets

River at -

DISCHARGE .80	AREA	ADJUSTED FOR ANGLE OR HOR.	VELOCITY: MEAN IN VERTICAL	VELOCITY: AT POINT	TIME IN SECONDS	REVOLUTIONS	OBSERVATION DEPTH	DEPTH	WIDTH	DIST. FROM INITIAL POINT	ANGLE COEFFICIENT
										0	
7.134											
1.46											
.674											

@ 1630 TPD = 1.45'. 7.134 RPI - 1.45 = 5.68

address = 00:000001

Setting = 03:0010

Fill stop = 04:01

Battery = 06:01

01 = stage

02 =

03 =

04 = 13.9 batt

05 = 17.0

no probes

@ 1730 TPD = 1.46'. 7.134 - 1.46 = 5.67

[C1- Commonwealth] 1/11/03

To Do

Get new N_2?

1/10/03 FJ - Hamish

Powered CRIO down but did not reset time

JG, PS, EVM

→ see Pete's NB

Stage on CRIO was reading ~~9999~~, so switched power off and on, didn't fix it. Press. transducer was not getting power b/c red wire was to SW12V. Moved to 12V and everything worked fine!

Forgot to change time!!! (so time was 00:00:00... afterwards) power back on.