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. 45

Comp. by _____

Checked by _____

Arrived @ 16:40

Sta. No. _____

Sta. Name B1 - Prisch

Date Jan 13 , 2003 Party PAS, KDC Q = 0,381

Width _____ Area _____ Vel. _____ G.H. _____ Disch. 0.413 JCK → using new Baski conversion.

Method Portable Flume 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	P flume	P flume		OG	Inside	Outside
	ft	cfs		corrkn		
17:00				1.25	1.52	0.25 ± .02
	Start					
17:05					1.52	
17:19	0.30	0.381				
17:55					1.37	0.22 ± .02
	Finish					
Weighted MGH						
GH correction						
Correct MGH						

prob outside watch

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

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

Rain gage serviced/calibrated ____

Weather: 80°/70 CC, wind-east 10mph

Air Temp. ^30 °C at 17:20

Water Temp. 5.4 °C at 17:45 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: 14.2 Intake/Orifice cleaned/purged: _____

Bubble-gage pressure, psi: Tank 750 , Line 11 ; Bubble-rate 20 ~~45~~ typical 40 min.

Extreme-GH indicators: max _____ , min _____ .

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

HWM inside/outside: _____

Control: Flume not level

Remarks: _____

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

Sheet No. _____ of _____ sheets

	Time	IG	OG
Sp Cond	17:45	—	81.6 µS
Temp	17:45		5.4 °C

9-275-H
(Rev. 6-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. ~~Portable~~ Flume
Comp. by

Sta. No. Prisch

DISCHARGE MEASUREMENT NOTES

Checked by

Date Jan 13, 2003 Party AAS, KAC

Width ____ Area ____ Vel. ____ G.H. ____ Disch. 0.41

Method ~~Portable~~ Flume No. secs. ____ G.H. change ____ in ____ hrs. Susp. ____

Method coef. ____ Hor. angle coef. ____ Susp. coef. ____ Meter No. ____

Date rated ____ Used rating for rod ____ susp. Meter ____ ft above bottom of wt. Tags checked ____ Spin before meas. ____ after ____

Meas. plots ____ % diff. from ____ rating. Wading, cable, ice, boat, upstr., downstr., side bridge ____ feet, mile, above, below gage. Levels obtained no

BASE GAGE READINGS

Time		Recorder	Inside	Outside
1700			1.52	0.25 ±.02
1719	0.30 on Portable Flume staff plate = 0.413 GS			
1755			1.37	0.22 ±.02
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

AUX. GAGE READINGS

Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Check-bar, chain found ____ changed to ____ at ____

Check-bar, chain found ____ changed to ____ at ____

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section

Flow Shallow, sandy Weather Partly Cloudy, cold, breezy

Other wish the wind would fucking stop Air ~30 °F. @ 1720

Gage yep, that's why we're here Water 5.4 °F. @ 1745

Record removed Intake flushed U L

Observer Conductance = ~~[illegible]~~ 50.6

C 1745 SpC = 81.6 Temp = 5.4°C

Control good; Parshall flume filling downstream

Remarks too late in season to worry about Flume this year. Next year run levels first, fix Portable Flume, then shoot levels on it again.

G.H. of zero flow ____ ft. Sheet No. ____ of ____ sheets.

Conductance ____

Clarity ____

Gauge: BI-PRISCU

Date	07-Jan-03						13-Jun-03
time of visit (start & finish)	1200 - 1230						1700
party	JG KC						KAC, PAS
cloud cover (%, type)	5% cumulus						80%
wind (spd, dir)	E 15 mph						E 10
air temp	chilly						~ 0°C
surveying?	N						N
photo? (#, which camera)	N						N
to do items? (y/n)	check Temp probe						when leveling next year, fix Partial Flume
which field notebook?	-						
Flow measurements (times)	24:00	2406	0024	1:15	0120	01:25	
condition of control, probes	good						good, Flume not horizontal
method (meter, flume, visual)	prbl flume	↓					Flume
discharge (units)	0.235±0.05"	= 0.291 cfs	0.23" =	0.21"=	0.21		
outside stage (staff or top down)	~~0.57±0.05~~	0.15 ±0.02	0.12±0.01	0.10±.01	0.09±0.2		0.24 on Partial
CR10 stage reading					1.42		1.52
Inside Box							
CR10 Channels (times)	24:00	00:21		1:15			1705
ch1 stage	1.531	1.48		1.39			01 = 1.52
ch3 water temp		-1.8 *			-9999		"
conductivity							03 = —
ch4 battery voltage		13.5			13.4		04 = 14.2
ch2 air temp		4.5 *			2.6		02 = 5.36
Year, Day, Time							
settings o.k?		✓					✓
*0 ?							
N2 tank pressure (psi)	650						750
N2 feed pressure (psi)	11						11
purge?							NO
bubble rate (per min) on conoflow							20 - turned up to 40
Stream Chemistry (times)							
water temp. (units)	1.4 -1.3°C						5.4°C
sp. cond. (units)	LErr (Flashing) 875 µS (not flashing)						81.6
pH and temp of probe	in lab						
instrument notes (i.e. cal. time)							
water samples collected?	Yes						Yes

- AT & WT could be switched
- had problem w/ WT before

Observation: AT is below freezing

~~to~~ pulled plug and restarted CR10

written inside B3 bungalow

	Offset	RM1	RM2
11/12/93	0.813	8.67	16.08
12/15/93	0.763		
1/5/94	0.703		
12/8/94	1.01		

~ Bolt in rock 70' US of box L.S.

Bolt in rock 100' US of B3, LS

1.53 - 0.15 = 1.38

Jan 2003 Temp read -1.8
then -99999
@ N125
after rebooting program

ZOTTE, ETC.

1/13/03

Time: 16:00

Lizotte - no flow, not even ice in ch

Adj channel (adjacent to Lizotte) - no flow, not even ice in ch

Incised ch "next to" Prisca

- no flow

- very narrow, maybe fed by snow + not glacial fed

Wind - from east
steady 5-10 mph
50% cloud cover

Lake Ice - Shitty!

Bl- Prisca

1/13/03

Time: 16:40

Flow is present

To Do

Next year - flume is really not leveled
try + level flume