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 _____
Checked by _____

Sta. No. HI
Sta. Name Andersen
Date 5 Jan , 2003 Party JDG, KDC
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					Inside	Outside
15:35	~~Start~~				1.29	0.21 0.4±0.05
15:47					1.30	0.195 ±0.02
15:59	Start				1.31	0.200 ±0.01
	Finish					
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality, sediment, biological, other WQ
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated ____
Weather: _____
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: _____ 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: _____

Remarks: 15:47 = Qs done after cleared sediment from control

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

Sheet No. _____ of _____ sheets

HI - Andersen

1/5/02

JDG, EDC

Flow is present
Purged OK - orifice line unfrozen

@ 15:35 0.21 ± 0.05 = 06

1.29 = 16

- SC probe buried & partially frozen
  John tried to unbury probe but was unsuccessful

Gauge: HI - Andersen ✓ P[illegible]bl ✓

Before on: Photo

	(Thurs) 12/26/02	1/1	3 Jan 03
Start time of visit	11:30	✓	13:35
Weather - bold, italics			
Air temp.		✓	11°C used to data logger
% cloud cover	30%	✓	97%
Type of cloud		✓	Cumulus
Wind speed (mph)	<5mph	✓	<5mph
Flow present (yes/no)	yes - low	✓	yes
Condition of control (snow, debris, ~~etc.~~)	Sediment no snow in cntl Some snow by channel	✓	orifice line unfrozen some sediment built up in flume some ice on outside gauge plate SC probe buried in permafrost
Inside gauge box (Time)		✓	
N2 tank pressure (psi)	1575	✓	1400 psi
N2 regul. press. (psi)	~11	✓	14 psi - tried to turn regul press down a bit
Conoflow bubblg rate ok (~~GEP~~)	OK	✓	64 bubbles/min
Storage module ~~settings~~		✓	
~~Fill and stop~~	✓	✓	
~~Battery level OK~~	✓	✓	
~~Old~~ year, Julian day, time	02, 360, 11:44 xx	✓	03✓ 5✓ 15:56 → 15:57
~~Two New~~ year, Julian day, time	OK OK OK	✓02 ✓ 365✓ 13:48 → 13:50	
? Ch.1 Stage	Ch.1 9.46756 11:47	✓	1.29 @ 15:52
Ch.3 Water temp	0.61950 11:48	✓	1.4°C @ 15:52
Ch.4 Sp Conductivity	16.869 11:48	✓	16.11 but probe buried @ 15:52
Ch.5 Battery voltage	13.859 11:48	✓	13.54 @ 15:52
? Ch.2 Air Temp ~~x4~~	11.010 11:47	✓	11.0°C @ 15:52
Stream chemistry (Time)			
Water temp ~~and time~~		✓	
pH ~~and time~~		✓	
Sp. Conductivity ~~and time~~	No cond meter - left @ Bunny	✓	27.4 µS, 1.0°C @ 16:30
Get stream chem sampls (Y/N)		✓	yes Ch.4 = 16.91 µS @ 16:30 Ch.3 = 1.41°C WT @ 16:30
Flow measurements (Time)		✓	
~~Inside stage level rdg and time~~			
~~Outside stage level rdg and time~~	0.01 @ 11:54		
~~Outsd flow rdg, start/stop times~~			
Portbl flume, pygmy, or AA	Too low to pygmy, AA, no portable flume		
~~Sprinkled (Y/N)~~			
~~Rating of measurement~~			
~~Point of zero flow~~			
Outside stage level rdg and time			
Inside stage level rdg and time			
*0 on keypad (Y/N)	✓	✓	
Stop time of visit		✓	

pH calibration 3 yes 7, 4 11:15

Stream chem collected