9-276
(Rev. 7-67)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Station Number ----------

LEVEL NOTES

Stream F21- UPPER VON GUERARD

Locality

Party JG, KDC, PAS Date Jan 21, 2003

RESET ORIFICE LINE

-no level taken before reset

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
RP1	4.742	7.886		3.144	top of rebar; using elevation from previous visit as a reference elevation because not clear from level notes which reference marks are what
orifice			6.995	0.891	
PZF			6.965	0.921	overflow
water level			6.898	0.988	
Turning point					
RP1	3.900	7.044		3.144	
RP2			2.490	4.554	
orifice			6.150	0.894	0.003 avg = 0.892
PZF			6.131	0.913	0.008 avg = 0.917
water level			6.035	1.009	0.021 avg = 0.998
RP2			2.490	4.554	ø ✓
PZF			6.160	0.884	0.037 - not including this measurement since we have two others and the discrepancy is large

entire rebar was moved bec flow bypassing rebar

No. by Chk. by

☆ GPO 1984 O-452-826

UNITED STATES
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WATER RESOURCES DIVISION
WYOMING DISTRICT

SUMMARY OF LEVELS

Sta. ID _____ Sta. Name _____

Party _____ Date _____

Purpose of Levels _____

Chain/Wire Weight found (not needed) at _____ HR.

Chain/Tape Length found (not needed) at _____ HR.

Corrected to (not needed) at _____ HR.

Instrument Type _____ S/N _____

Rod Length Checked Y N Two-Peg Test Date _____

Point	Elevation given	Mean elev. found	Diff
RM			
RM			
RM			
RM			
CK Bar (Not needed)			

Time	OG	IG				WS	Diff

Levels computed by: _____ Checked by _____

21 Jan 2003 F21 Upper Von Guerard

Fixed control
reset orifice + probe
channel
02 = 3.91 = stage @ 1640

TPD = 2.18 from top of rebar
@ 1705
8.593 (leveled today)
− 2.18
6.413

LEVELS

	Gartner	Π	Cozzetto Ø		
	@ 1645				
	BS	HI	FS	Elev	Remark
RP1	3.340	13.340		10.0	Given today arbitrarily
RP2			3.181	10.15	
RP1			4.742	8.598	top of rebar
orifice			6.995	6.345	
PZF			6.965	6.375	
Water Surface			6.898	6.442	
TP/RP1	2.490	12.489	3.341	~~9.999~~ 4.591	E.001
RP2			2.331	10.158	E-.005
RP1			3.900	8.589	E-.009
orifice			6.150	6.339	E-.006
PZF			6.131	6.358	E-.017
W.S.			6.035	6.454	E.012
RP1			2.490	9.999	E.000
PZF			6.160		

3.022

Ask Pete about this

Ch.1 ~~[illegible]~~ 13.15 battery
Ch.2 4.22 air temp
~~Ch.3 0.0~~
Ch31 0.989 stage
Ch.25 0.80 wtr temp
Ch. ~~[illegible]~~ 32 = 130.07 cond

Settings OK, ~~[illegible]~~
N_2 tank press = 600 psi
N_2 reg press = 11
condflow 28 bubbles/min

VG PERMAFROST TRANSECT #4 1/31/03

Start / Stop Times: 18:22 / 19:20

Ø	21	20	23 @ 19:20 (23)		DS right
1.5	28.5	27 GS			
3	27.5	28.5 GS			
4.5	31	31 GS			
6	36	35 GS			
7.5	35	33 GS	34 GS		
9	30	29 GS	29.5 @ 19:20 (29.5)		
10.5	23	25 GS	24 GS		
12	15	15.5	14.5 GS		
13.5	16	17	GS		
15	22.5	22.5	GS		
16.5	28 ± 1	28.	GS		water in hole
18	30	30	GS		standing H_2O
19.5	30	31	GS		
21	~~28.5~~ 31	32	GS		H_2O in hole
22.5	34	28	31		sound not so good
24	33.5	34			

[redacted] 1/21/2003

Station	BS	HI	FS	Elev.
RM2	3.181	7.772		4.591
[redacted]			[redacted]	[redacted]
RP1			4.742	3.03
orifice			6.995	0.777
PZF			6.965	0.807
TP (RM1)			3.34	4.432
	2.49	6.922		
PZF			6.131	0.791
orifice			6.15	0.772
RP1			3.9	3.022
[redacted]			[redacted]	[redacted]
RM2			2.331	4.591

Station	Ave Elev
RM1	4.432
RP1	3.026
orifice	0.7745
PZF	0.799

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. _____
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name F21- Upper Von Guerard
Date Jan 21, 2003 Party JG, PAS, KC
Width _____ Area _____ Vel. _____ G.H. _____ Disch. — No Flow Measurement
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	Tdwn ft				Inside	Outside
(1) 17:05	2.18					0.846
	Start					
	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. _____ °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 600, Line 11; Bubble-rate 28 /min.
Extreme-GH indicators: max _____, min _____.
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: FIXED CONTROL; RESET ORIFICE & PROBE

Remarks: _____

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

Sheet No. _____ of _____ sheets

RP1 = 3.026
- TD = - 2.18
0.846 = OG

F21

21 Jan 2003 Upper Von Guerard

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