

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

146

Date 12/28, 1997

PAC

MISCELLANEOUS FIELD NOTES

Aiken Creek @ F5

control looks ok.

flume flowing free, moderate flow

some water going through spillway

probes look ok

N₂: 1700 psi batteries charging

feed: 10 psi.

overcast
warm @ 1-2°C
breezy 5-10 knots

	<u>inside</u>	<u>outside</u>	
stex	1.54	1.54 ± 0.01	@ 1235
WT	7.64	7.3	
Sc	174.15	163.0	

discharge measurement: ~~poor~~ pysmy (poor)

DONT USE
14

DISCHARGE MEASUREMENT NOTES

Sta. No. Aiken Creek @ F5

Meas. No. 2

Comp. by KDL

Checked by KDL

Date 12-28, 19 97 Party PAC

Width 19.07 Area 4.78 Vel. 0.186 G. H. _____ Disch 0.89

Method 0.6 No. secs. 39 G. H. change _____ in _____ hrs. Susp. _____

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

Type of meter Pysny Date rated _____ Tag checked _____

Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____

Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	Outside
1255	1.54	1.54
1340	1.54	1.54

No _____ Yes _____ Time _____
Samples Collected
 No _____ Yes _____ Time _____
Method Used
 EDI _____ EWI _____ Other _____

SEDIMENT SAMPLES

No _____ Yes _____ Time _____
Method Used
 EDI _____ EWI _____ Other _____

Weighted M.G.H. _____
 G.H. correction _____
 Correct M.G.H. _____

BIOLOGICAL SAMPLES

Yes _____ Time _____
 No _____ Type _____

Check bar. chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge _____ feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over8%); based on the following cond:

Flow _____

Cross section _____

Control _____

Gage operating _____ Weather _____

Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank _____ Feed _____ Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks _____

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE
							AT POINT	MEAN IN VER- TICAL			
LEW	0.5				0	40					
	1.0		0.1		0	40					.85
	1.5		0.11		0	40					
	2.0		0.15		0	40					
	2.5		0.15		0	40					.90
	3.0		0.2		0	40					.92
	3.5		0.25		0	40					
	4.0		0.27		0	40					.94
	4.5		0.27		0	40					.96
	5.0		0.3		0	40					.97
	5.5		0.3		0	40					.98
	6.0		0.3		0	40					.99
	6.5		0.3		15	40					
	7.0		0.3		0	40					
0	7.5		0.3		0	40					1.00
	8.0		0.3		0	40					
	8.5		0.3		3	40					
	9.0		0.3		15	44					.99
	9.5		0.3		10	44					.98
	10.0		0.3		30	46					.97
	10.5		0.35		15	54					.96
	11.0		0.35		30	43					
	11.5		0.35		30	46					.94
	12.0		0.4		20	40	16.5	.2			.92
	12.5		0.35		20	57	17	.2			.90
	13.0		1.35		15	50	17.5	.15			
	13.5		0.30		15	41	18	.15			
	14.0		0.30		20	62	18.5	.15			.85
	14.5		0.25		15	50	19	.10			
	15.0		0.25		10	75	18.5	LEW @	1340		
	15.5		0.25		10	40					.80
	16.0		0.3		1						

