

23

DISCHARGE MEASUREMENT NOTES

Sta. No. LOST SEAL STREAM @ F3

Meas. No. 1

Comp. by KDL

Checked by KDL

Date 12/28, 19 97 Party PAC

Width 5.7 Area 2.05 Vel. 1.18 G. H. _____ Disch 2.41

Method _____ No. secs. 18 G. H. change _____ in _____ hrs. Susp. _____

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

Type of meter _____ 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
1805	1.89	1.94
1840	1.94	1.99

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 (over 8%); 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 _____

River at -

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 .80
							AT POINT	MEAN IN VER- TICAL			
EW	0.8	@ 1810			0	40					
	1.5		0.2		0	40					.85
	2.0		0.3		25	41					
	2.3		0.35		30	44					
	2.6		0.4		50	42					.90
	2.9		0.45		40	44					.92
	3.2		0.45		40	45					.94
	3.5		0.45		45	42					.96
	3.8		0.50		60	45					.97
	4.1		0.50		60	43					.98
	4.4		0.50		70	44					.98
	4.7		0.52		80	43					.99
	5.0		0.52		70	48					
	5.3		0.50		70	40					
o	5.6		0.40		60	41					1.00
	5.9		0.3		70	45					
	6.1		0.25		15	35					
PEW	6.5	@ 1835			0	40					.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12/28, 1997

PAC

MISCELLANEOUS FIELD NOTES

Lost Seal @ F3

flume flowing free, no obstructions
clear of ice and snow

Mostly cloudy
Some sun
breeze @ 5 knots
@ 2-3°C

- Some water going over spillway
- Control looks good except it is leaking a small amount on the left side of flume.
- N₂: 1400 psi batteries charging
feed: 11 psi

	inside	outside
stage	1.88	1.94 ± 0.01 @ 1745
WT	7.93	7.9
SC	84.39	83.4

Discharge measurement taken w/ pygmy meter (good)
@ 1805

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MISCELLANEOUS FIELD NOTES

Lost Seal stream @ F3

Control looks good, flume flowing
free, clear of ice and snow
moderate flow coming through flume, little bit
of water coming over spillway

Overcast
@ 1°C
light breeze

Probes look good, in position
N₂: 1400 psi batteries charging
feed: 11 psi

	inside	outside
stage	1.66	1.72 @ 1115
WT	6.17	6.1
SC	80.44	82.0

(poor)
discharge estimate by visual estimate: @ 1130

~~8.2'~~ 8.2' avg width
0.2' avg depth
0.8 ft³/sec avg V

stage @ 1130 inside: 1.66
outside: 1.72