

**U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES**

Meas. No. 72

Sta. No. _____ Lost Seal Stream

Comp. by _____

Checked by CHW

Date 1/11/07, 19 _____ Party ESG, PAC

Width 26.9 Area 7.75 Vel. 1.62 G. H. _____ Disch 12.55

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

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

Type of meter Pygmy Date rated _____ Tag checked _____

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

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

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time		Inside		Outside	No <input checked="" type="checkbox"/>	Yes _____	Time _____
1950		2.992		2.42			
					Samples Collected		
					No <input checked="" type="checkbox"/>	Yes _____	Time _____
					Method Used		
2025		2.499		2.44	EDI _____	EWI _____	Other _____
					SEDIMENT SAMPLES		
					No _____	Yes _____	Time _____
					Method Used		
					EDI _____	EWI _____	Other _____
					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 uniform

Cross section sandy

Control clear, highest obs. flow of season, control taking @ RS

Gage operating yes, still temp. on bit Weather clear, warm

Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____

Record removed no Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 700 Feed _____ Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks 1) @ 2025 1) 2.501 ft. 2) 10.03 AT 3) 3.62 WT

4) 13.8 BV 88) 25.7 SC

River at -

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VER-TICAL			
	5.0	LEW		@	1950						
	5.5	.75	.12		20	48	.431			.09	.039
	6.5	1	.1		30	45	.671			.1	.067
	7.5	1	.19		46	41	.968			.19	.184
	8.5	1	.13		40	41	.968			.13	.126
	9.5	1	.25		80	46	1.70			.25	.425
	10.5	1	.35		100	43	2.26			.35	.791
	11.5	1	.52		150	60	2.43			.52	1.264
	12.5	1	.6		100	49	1.99			.6	1.194
20:00	13.5	1	.6		100	43	2.26			.6	1.356
	14.5	1	.55		100	52	1.88			.55	1.034
	15.5	1	.48		100	43	2.26			.48	1.085
	16.5	1	.45		80	42	1.86			.45	.837
	17.5	1	.31		80	47	1.67			.31	.518
0	18.5	1	.29		80	44	1.78			.29	.516
	19.5	1	.36		80	44	1.78			.36	.641
	20.5	1	.23		50	47	1.05			.23	.242
	21.5	1	.23		50	46	1.08			.23	.248
	22.5	1	.20		60	47	1.26			.20	.252
	23.5	1	.31		60	40	1.47			.31	.456
	24.5	1	.38		30	45	.671			.38	.255
20:15	25.5	1	.3		50	40	1.23			.3	.369
	26.5	1	.2		30	40	.752			.2	.150
	27.5	1	.21		50	44	1.12			.21	.235
	28.5	1	.1		30	43	.701			.1	.070
	29.5	1	.11		20	42	.489			.11	.054
	30.5	1	.15		30	40	.752			.15	.113
	31.5	.7	.09		20	40	.511			.063	.032
	31.9	REW @	2020				1.62			7.75	12.55

* flow is leaking @ RE of control - around + thru, even where we fixed it. @ 2035, Pete plugged up, so St may