

U.S. DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources Division

9-275-D

Date JAN 9, 2002

MISCELLANEOUS FIELD NOTES

LOST SEAL STREAM CJ, LT, JW

- Flowing
- channel south of flume now containing all of the lower flows, much of control gone, many top sandbags eroded or washed away
- We shored up what we could to prevent further losses
- took a flowrate for the heck of it, could estimate flow based on Aiken
- removed Conductivity and WT probe to prevent loss

Form 9-275G
(Sep. 2000)

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DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES

Meas. No.

Comp. by

Checked by

Sta. No.
Sta. Name LOST SEAL STREAM
Date JAN 9, 2002 Party CJ, LT, JW
Width 10.0 Area 3.44 Vel. 1.56 G.H. Disch. 5.37
Method 0.6 No. secs. 17 G.H. change in hrs.
Method coef. Horiz. angle coef. Susp. Tags checked
Meter Type Agha 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
1649	Start			1.29	0.35
1708	Finish			1.33	0.38
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. 7.0 °C at

Water Temp. 8.5 °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: Negative Record Removed

Battery voltage: 13.4 Intake/Orifice cleaned/purged:

Bubble-gage pressure, psi: Tank 1700, Line 10; Bubble-rate /min.

Extreme-GH indicators: max , min

CSG checked: HWM height on stick Ref. elev. HWM elev.

HWM inside/outside:

Control:

Remarks:

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

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
							AT POINT	MEAN IN VER-TICAL			
LEW @ 14 @ 1650											
	13.4		0.30		7	41					.85
	12.5		0.34		25	48					
	12.0		0.36		30	40					
	11.5		0.42		50	46					.90
	11.0		0.42		60	44					.92
	10.5		0.40		80	41					
	10.0		0.42		100	44					.94
	9.6		0.42		100	43					.96
	9.2		0.48		100	40					.97
	8.8		0.48		100	42					.98
	8.4		0.50		100	45					.99
	7.9		0.48		80	40					
	7.3		0.40		80	40					
○	6.7		0.32		80	46					1.00
	6.1		0.30		60	43					
	5.4		0.24		60	42					
	4.7		0.20		40	40					.99
Reve 4.0 @ 1708											
	10	10								344	5.37
											.96
											.94
											.92
											.90
											.85
											.80