

10 Jun 2003

Lost Sea

TG, PS, EUM, ~2000-2030
water chem samples taken

S.C. = 50.1 μ S conductivity 31.7 μ S

temp = 5.6

@ flame SC = 34 μ S, cond 34, temp = 6°
stage on staff plate 0.89 \pm 0.01 @ 2015

@ 2020

ch 10. 1.885

2 9.2

3 6.2

4 14.

88 13.64

89 62.49

BR10 settings and time o.k

N₂ - 1900/10

Bubble rate = ~60

control structure looks good

no sig. under flow

potential around @ side

fix where old position of flame was

add rocks behind new sand bags

photos by John

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

Meas. No. G
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name F3 - Lost Seal
Date Jan 10, 2003 Party JG, PS, EVM
Width _____ Area _____ Vel. _____ G.H. _____ Disch. _____
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	OG	Inside	Outside		
	OG				
	OG				
<u>20:15</u>	<u>1.89</u>		<u>0.89 ± .01</u>		
Start					
<u>20:20</u>		<u>1.885</u>			
Finish					
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality, @ 20:30
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 1900, Line 10; Bubble-rate 60 /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____

Control: potential for flow around (R) side; fix where old position of flume was - add rocks behind new sand bag
Remarks: _____

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

Sheet No. _____ of _____ sheets

	<u>Time</u>	<u>JG</u>	<u>OG</u>
Wtr Temp	20:30	<u> </u>	<u>6°C</u>
	20:20	<u>6.2°C</u>	
Sp. Cond	20:30		<u>54 µS</u>
	20:20	<u>687 6249</u>	
		<u>Ch. 88 13.64</u>	

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