

@ 1450 ~~some thin ice at central~~
~~orifice high & dry~~
SC/WT probe frozen

	<u>CR10</u>	<u>Field</u>	
Stage	25.615		Tapedown from RMI
SC	113.3	2.26	3.48
WT	-1.9°C	0.25°C	↓ off = 6.52

@ 1645 TD = 3.47
CR10 = 25.36

Batt = 13.93 N₂ = 1800
Offset = 5.50 Feed = 10
0 bpm

Orifice line thoroughly frozen in frozen sediment/muck.

We are seeing significant flow, but above the frozen layer where orifice is.

The orifice is frozen deep, suggesting a lot of aggradation by the stream at orifice

Portable flume @ 2001

US = 0.15

DS = 0.07

Q = 0.14 cfs

Good

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey

Meas. No. 210

Comp. by _____

Water Resources Division

Sta. No. _____ **DISCHARGE MEASUREMENT NOTES** Checked by _____

Lyons Cr. @ R4 Lake Bonney

Date 12/16/98 Party WJS AB MG

Width _____ Area _____ Vel. _____ G.H. _____ Disch. see P-flume

Method 16 No. Sec. _____ G.H. Change _____ in _____ hrs. Susp. rod

Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. 1.0 Meter No. _____

Type of meter pygmy Date rated 1/80 Tag checked _____

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

Meas. Plots _____ % diff from _____ rating. Levels obtained yes

GAGE READINGS TD (10.00ft) **WATER QUALITY MEASUREMENTS**

Time	Inside		From RMI	Outside
			<u>5.50</u>	<u>6.50</u>
<u>1915</u>	<u>9.70</u>	<u>reset offset</u>	<u>3.50</u>	<u>6.50</u>
<u>1920</u>	<u>10.17</u>			

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

SEDIMENT SAMPLES
 No..... Yes..... Time.....
Method Used
 EDI..... EWI..... Other.....

Weighted MGH _____
 GH correction _____
 Correct MGH _____

BIOLOGICAL SAMPLES
 Yes..... Time.....
 No..... Type.....

Check bar, chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge 5 feet, mile, above, below, gage.

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

Flow _____

Cross section sand, ice

Control New

Gage operating ok on departure Weather cloudy, breezy

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

Record removed No Extreme Indicator: Max _____ Min _____

N2 Pressure Tank 1806 Feed 9 Bbl rate 90 per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer * IG still recovering at 1915

HWM _____ outside, in well _____

Remarks Found orifice buried in ~1 ft frozen sand chopped out, cleared - restring orifice reset offset (orifice elev = 6.08) from 5.50 to 6.08

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

