

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

Meas. No. 49

Sta. No. _____ Comp. by _____

Santa Fe Str @ B2, Lake Bonney Checked by _____

Date 12/23, 1998 Party WJS, AB, MG

Width 9.2 Area 1.90 Vel. 2.08 G. H. 1.90 Disch 3.95

Method .6 No. secs. 30 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 No

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	TW	SC	Outside
<u>1540</u>	<u>1.86</u>			<u>0.86</u>
<u>1545</u>	<u>1.83</u>	<u>2.0</u>	<u>340</u>	
<u>1620</u>				<u>0.75</u>
<u>1630</u>	<u>1.785</u>			<u>0.75</u>

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

SEDIMENT SAMPLES

No Yes _____ Time _____
Method Used
 EDI _____ EWI _____ Other _____

BIOLOGICAL SAMPLES

Yes _____ Time _____
 No Type _____

Weighted M.G.H. _____
 G.H. correction _____
 Correct M.G.H. _____

Check bar. chain found _____ changed to _____ at _____
Wading cable, ice, boat, upstr., downstr., side bridge 300 feet, mile, above, below gage.

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

Flow fairly uniform

Cross section 2 channels

Control thin layer of ice in flume - cleared @ 1545

Gage operating OK Weather clear, windy

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

Record removed _____ Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1650 Feed 11 Bbl rate 80 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks @ 1545 field WT = 4.46 SC = 45.6

offset = 1.00

Flow in left channel/wier Batt = 13.94

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

