Form 9-275-G
(July 1994)

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Meas. No. 17

Sta. No. _____ Comp. by _____

Lyons Str. @ B4, Lake Bonney Checked by _____

Date 12/22, 1998 Party WS, AB, MG, BH

Width 7.4 Area 2.18 Vel. .59 G. H. 7.29 Disch 1.29

Method .6 No. secs. 20 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 _____ Tag checked _____

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

Meas. plots _____ % diff. from _____ rating. Levels obtained No

GAGE READINGS

10.0-

Time	WT	Inside	SC	TD	Outside
1545	-2.0	9.87	108	3.04	6.96
	retrieved orifice				
	reset offset			6.08→6.65	
1730		7.19		2.80	7.20
1745				2.72	7.28
1755					
1809		7.31		2.70	7.30
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No _____ Yes X Time _____

Samples Collected

No _____ Yes X Time _____

Method Used

EDI _____ EWI _____ Other _____

SEDIMENT SAMPLES

No X Yes _____ Time _____

Method Used

EDI _____ EWI _____ Other _____

BIOLOGICAL SAMPLES

Yes _____ Time _____

No X 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 (over8%); based on the following cond:

Flow 2 channels around rock, fairly uniform

Cross section OK, sedimented orifice

Control Natural, not very good

Gage operating Orifice buried Weather Warm, sunny

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

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

Nitrogen Pressure Tank 1800 Feed 8 Bbl rate 60 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well

Remarks Field WT=0.75 SC=117

battery 13.6V probe buried/frozen

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

River at–

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY AT POINT	VELOCITY MEAN IN VERTICAL	ADJUSTED FOR HOR. ANGLE OR ----------	AREA	DISCHARGE
	1.9	0.40	0		LEW	@ 1745					
	2.7	0.65	0.22	0.6	0	60		0		0.143	0
	3.2	0.40	0.24	0.4	15	51		0.315		0.096	0.03024
	3.5	0.30	0.26		50	45		1.11		0.078	0.08658
	3.8	0.30	0.38		40	41		0.981		0.114	0.111834
	4.1	0.30	0.45		100	43		2.30		0.135	0.3105
	4.4	0.30	0.40		50	40		1.25		0.12	0.15
	4.7	0.30	0.40		25	42		0.610		0.12	0.0732
	5.0	0.40	0.62		25	40		0.639		0.248	0.1585
	5.5	0.75	0.28		0	60		0		0.21	0
4.6	6.5	0.50	0		REW						
		~ROCK~									
	7.2	0.15	0		LEW						
	7.5	0.30	0.48		3	40		0.101		0.144	0.0145
	7.8	0.30	0.45		10	46		0.240		0.135	0.0324
⊙	8.1	0.35	0.42		25	50		0.516		0.147	0.0758
	8.5	0.30	0.40		50	44		1.14		0.12	0.1368
	8.7	0.30	0.22		40	40		1.00		0.066	0.066
	9.1	0.35	0.35		15	41		0.385		0.1225	0.0472
	9.4	0.45	0.40		0	60		0		.180	0
	10.0	0.30	0		REW	@ 1755					
	2.8	7.4								2.178	1.29
+	4.6										
	7.4										

again, reset orifice and control, reset offset to 6.65

TD @ 1745 = 2.72

TD @ 1800 = 2.70