

**MOGALE CITY LOCAL MUNICIPALITY
INFRASTRUCTURE SERVICES
ANALYTICAL RESULTS**

RESERVOIR SAMPLE POINTS		APRIL 2011						MAY 2011						JUNE 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0
1	Azaadville Old	23.9	7.83	0.22	0.28	0	0	21.8	7.58	0.14	0.32	0	0	21.8	7.85	0.26	0.38	0	0
2	Azaadville New	24.2	7.84	0.23	0.33	0	0	22.3	7.78	0.19	0.38	0	0	21.3	7.72	0.25	0.29	0	0
3	Chamdor	23.3	7.89	0.24	0.21	0	0	21.1	7.60	0.19	0.21	0	0	21.0	7.72	0.16	0.19	0	0
4	Dan Pienaarville Old	23.2	7.95	0.17	0.24	0	0	22.0	8.03	0.20	0.28	0	0	20.9	7.27	0.23	0.35	0	0
5	Dan Pienaarville New	23.1	7.96	0.25	0.28	0	0	21.8	8.03	0.22	0.24	0	0	20.9	7.51	0.21	0.30	0	0
6	Factoria	23.2	8.05	0.21	0.35	0	0	21.4	8.05	0.34	0.32	0	0	22.8	7.64	0.23	0.40	0	0
7	Kagiso	23.3	8.01	0.19	0.20	0	0	21.5	8.20	0.20	0.22	0	0	20.3	7.69	0.21	0.28	0	0
8	Kagiso 12	23.4	8.07	0.18	0.30	0	0	21.1	8.15	0.18	0.38	0	0	20.3	7.84	0.26	0.35	0	0
9	Kenmare / Silverfields	23.1	7.93	0.15	0.23	0	0	21.6	8.15	0.27	0.28	0	0	21.0	7.71	0.19	0.28	0	0
10	Krugersdorp	23.1	7.95	0.24	0.14	0	0	21.6	8.04	0.20	0.14	0	0	20.8	7.76	0.26	0.19	0	0
11	Magalies	23.7	7.89	0.24	0.35	0	0	20.9	8.21	0.17	0.36	0	0	22.0	8.05	0.20	0.38	0	0
12	Munsieville	23.1	8.08	0.18	0.14	0	0	21.6	8.22	0.32	0.15	0	0	21.7	7.86	0.20	0.18	0	0
13	Noordheuwel	23.1	8.03	0.21	0.20	1	1	21.7	8.31	0.28	0.22	0	0	21.0	7.70	0.18	0.26	0	0
14	Rant & Dal / Noordheuwel	23.1	7.99	0.20	0.28	0	0	21.6	8.20	0.20	0.22	0	0	21.0	7.77	0.25	0.28	0	0
15	Rand Water	23.1	7.98	0.28	0.12	0	0	21.7	8.22	0.22	0.11	0	0	21.0	7.73	0.15	0.11	0	0

DISTRIBUTION NETWORK SAMPLE POINTS		APRIL 2011						MAY 2011						JUNE 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0
1	Game Reserve Connection	23.7	8.14	0.22	0.33	0	0	21.0	7.72	0.22	0.40	0	0	20.6	7.89	0.26	0.40	0	0
2	Hakunamatata	22.8	8.01	0.18	0.33	0	0	19.6	8.12	0.19	0.40	0	0	20.3	7.98	0.18	0.40	0	0
3	Hole in one road	22.4	7.83	0.37	0.25	0	0	20.0	7.89	0.18	0.30	0	0	20.4	7.73	0.18	0.30	0	0
4	Mindalore Connection	23.5	8.11	0.17	0.16	0	0	21.4	8.33	0.25	0.16	0	0	20.7	8.16	0.34	0.14	0	0
5	West Village Connection	22.9	8.01	0.21	0.28	0	0	21.4	8.29	0.22	0.27	0	0	20.3	8.20	0.19	0.30	0	0
6	Westonaria Connection	23.1	8.07	0.26	0.38	0	0	21.2	8.29	0.17	0.38	0	0	20.4	8.26	0.23	0.40	0	0

NETWORK HYDRANTS FOR WATER TANKERS		APRIL 2011						MAY 2011						JUNE 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0
1	Magalies Taxi Rank	24.1	8.14	0.23	0.06	0	0	19.7	7.04	0.20	0.15	0	0	23.6	7.59	0.13	0.40	0	0
2	Tariton Helderblom	24.5	8.50	0.29	0.20	0	0	19.8	8.75	0.28	0.30	0	0	22.0	7.43	0.29	0.60	0	0
3	Tariton Marabeth	23.6	8.49	0.30	0.40	0	0	19.3	7.60	0.30	0.40	0	0	21.8	7.45	0.11	0.30	0	0
4	Wildtuin Park	24.4	8.43	0.20	0.10	0	0	19.9	8.48	0.15	0.06	0	0	22.1	7.38	0.21	1.00	0	0
5	Zwartkop	24.4	8.30	0.23	0.10	0	0	19.0	7.78	0.29	0.10	0	0	21.5	7.98	0.29	0.15	0	0

END POINT USER SAMPLE POINTS		APRIL 2011						MAY 2011						JUNE 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0
1	RW Azaadville LX	25.0	7.90	0.23			0	26.0	7.70	0.36			0	N/A	N/A	N/A			0
2	RW Kagiso CS	23.0	7.80	0.27			0	21.0	7.20	0.30			0	19.0	7.00	0.30			0
3	RW Krug West TS	23.0	7.70	0.36			0	22.0	7.20	0.28			0	19.0	7.00	0.29			0
4	RW Magalies WWTW	22.0	7.90	0.24	0.10		0	22.0	7.30	0.33	0.20		0	19.0	7.10	0.45	0.20		0
5	RW Maranata Church	24.0	7.90	0.20	0.15		0	22.0	7.50	0.31	0.40		0	21.0	7.50	0.34	0.40		0
6	RW Munsieville JP	23.0	7.80	0.25			0	24.0	7.30	0.25			1	22.0	7.10	0.26			0
7	RW Noordheuwel RB	22.0	7.80	0.31			0	22.0	7.30	0.33			0	19.0	7.20	0.37			0
8	RW Nulaid Eggs	23.0	7.70	0.16	0.10		0	20.0	7.30	0.34	0.10		0	19.0	7.10	0.29	0.10		0
9	RW Ruimsig KM	23.0	6.90	0.26			0	22.0	7.40	0.37			0	22.0	7.10	0.32			0
10	Bastion High School	23.9	8.09	0.18	0.15	0	0	22.0	7.93	0.29	0.17	0	0	21.6	7.91	0.23	0.13	0	0
11	NWT Hekpoort	23.0	7.96	0.27	0.35	0	0	21.0	7.83	0.20	0.35	0	0	21.2	7.55	0.27	0.35	0	0
12	Letamo Game Lodge	23.8	8.08	0.23	0.15	0	0	22.4	8.27	0.16	0.13	0	0	21.4	7.93	0.29	0.11	0	0
13	NWT Lindley Joe Slovo	23.2	7.75	0.17	0.10	0	0	19.2	8.14	0.20	0.13	0	0	19.8	7.72	0.23	0.15	0	0
14	Lusaka Pump Station	23.7	8.05	0.45	0.18	0	0	22.3	8.14	0.23	0.15	0	0	21.8	7.92	0.31	0.18	0	0
15	Maropeng	23.7	7.93	0.22	0.18	0	0	21.7	8.16	0.58	0.21	0	0	19.8	7.78	0.55	0.28	0	0
16	Muldersdrift Primary	23.1	7.92	0.51	0.17	0	0	22.3	8.22	0.31	0.19	0	0	19.9	7.85	0.49	0.20	0	0
17	NWT Plot 89 Nootgedacht	22.6	7.96	0.27	0.11	0	0	19.5	8.31	0.15	0.16	0	0	N/D	N/D	N/D	N/D	N/D	N/D
18	Percy Stewart (Drinking)	23.1	8.11	0.21	0.30	0	0	22.3	8.23	0.17	0.30	0	0	21.4	7.92	0.20	0.30	0	0
19	President Building	23.2	8.01	0.19	0.15	0	0	21.6	8.10	0.17	0.16	0	0	20.9	7.93	0.13	0.19	0	0
20	NWT Protearidge Plot 126	23.8	7.87	0.67	0.14	0	0	22.2	8.09	0.27	0.10	0	0	20.8	7.91	0.24	0.15	0	0
21	Sasol Pinehaven	23.2	8.00	0.19	0.10	0	0	22.0	8.40	0.21	0.16	0	0	20.9	7.96	0.22	0.16	0	0
22	Sterkfontein Caves	23.7	8.03	0.13	0.12	0	0	22.5	8.30	0.21	0.17	0	0	20.9	8.05	0.17	0.20	0	0
23	NWT Tarlton Smokedown	23.4	7.96	0.17	0.07	0	0	20.5	8.36	0.18	0.09	0	0	21.3	7.96	0.20	0.14	0	0

RURAL BOREHOLES WITH STORAGE TANKS SAMPLE POINTS		APRIL 2011						MAY 2011						JUNE 2011						
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	
1	Bekker School	27.9	7.26	2.82	0.06	0	0	24.9	7.55	1.47	0.06	0	0	24.4	7.19	0.37	0.06	0	0	
2	FJ Klopper School	56.9	7.34	0.34	0.06	0	0	53.4	7.63	0.36	0.10	0	0	51.5	7.52	0.42	0.15	0	0	
3	Golden Harvest	26.5	6.61	0.10	0.10	0	0	25.9	7.86	0.14	0.06	2	3	25.7	7.43	0.23	0.06	11	15	
4	Kwaggafontein School	5.7	6.87	0.26			0	4.7	8.20	0.26			0	4.5	6.46	0.47			0	
5	Letamo Game Lodge	N/D	N/D	N/D			N/D	N/D	N/D	N/D			N/D	N/D	N/D	N/D			0	0
6	Little Farm Yard	9.6	7.06	0.12		3	4	9.2	7.98	0.28			0	9.3	6.96	0.25			0	
7	Maanhaarand	29.7	7.11	0.24			0	31.4	7.67	0.13			0	27.3	7.12	0.27			0	
8	Maloney's Eye School	19.1	7.51	1.29			0	18.6	8.22	0.98			0	18.7	7.18	1.41			0	
9	Migalgaard	40.9	6.84	0.14			0	39.6	7.47	0.11			0	40.0	6.94	0.24			0	
10	Protearidge Plot 124	38.0	7.88	0.11			0	37.2	8.37	0.22			0	37.4	7.58	0.26			0	
11	Satellite Station	2.6	6.71	2.07			0	2.4	7.81	4.22			0	4.3	6.23	4.49			0	

RURAL BOREHOLES WITHOUT STORAGE TANKS SAMPLE POINTS		APRIL 2011						MAY 2011						JUNE 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	Faecal Coliforms	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/100ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0	<150	5.0-9.5	<1	N/S	0	0
1	Boikarabelo	48.0	6.98	0.24		0	0	47.1	7.34	0.18		0	0	46.2	7.38	0.26		0	0
2	Driefontein Plot 38	15.2	6.79	0.53		0	0	14.9	6.80	0.87		0	0	15.2	7.12	0.61		0	0
3	Radikgomo	49.9	7.70	1.70		0	0	49.0	6.79	2.27		0	0	48.5	7.13	3.17		0	0