

MOGALE CITY LOCAL MUNICIPALITY  
INFRASTRUCTURE SERVICES  
ANALYTICAL RESULTS

No.	RESERVOIR SAMPLE POINTS	JANUARY 2011						FEBRUARY 2011						MARCH 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
	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	22.3	7.81	0.22	0.37	0	0	22.3	7.27	0.22	0.35	0	0	21.6	7.10	0.17	0.32	0	0
2	Azaadville New	21.9	7.71	0.26	0.33	0	0	23.1	7.30	0.20	0.26	0	0	21.6	7.18	0.30	0.26	0	0
3	Chamdor	22.0	7.92	0.26	0.18	0	0	22.4	7.46	0.25	0.23	0	0	21.1	7.32	0.29	0.17	0	0
4	Dan Pienaarville Old	22.0	7.79	0.25	0.28	0	0	22.5	7.48	0.21	0.11	0	0	21.4	7.40	0.21	0.15	0	0
5	Dan Pienaarville New	21.7	7.75	0.27	0.30	0	0	22.5	7.46	0.21	0.14	0	0	21.5	7.37	0.26	0.19	0	0
6	Factoria	21.7	7.97	0.27	0.37	0	0	22.5	7.51	0.20	0.16	0	0	21.0	7.35	0.23	0.26	0	0
7	Kagiso	21.0	7.78	0.27	0.23	0	0	22.5	7.49	0.19	0.21	0	0	21.5	7.35	0.21	0.20	0	0
8	Kagiso 12	21.2	7.76	0.22	0.40	0	0	22.5	7.42	0.21	0.31	0	0	21.5	7.32	0.26	0.32	0	0
9	Kenmare / Silverfields	21.5	7.73	0.27	0.20	0	0	22.4	7.44	0.27	0.10	0	0	21.2	7.37	0.20	0.17	0	0
10	Krugersdorp	21.4	7.78	0.34	0.25	0	0	22.4	7.52	0.25	0.15	0	0	21.2	7.37	0.29	0.13	0	0
11	Magalies	22.6	7.89	0.27	0.37	0	0	22.5	7.27	0.33	0.26	0	0	22.2	7.32	0.20	0.33	0	0
12	Munsieville	22.0	7.81	0.28	0.23	0	0	22.7	7.34	0.22	0.13	0	0	21.4	7.48	0.21	0.17	0	0
13	Noordheuwel	21.4	7.85	0.25	0.23	5	4	22.4	7.38	0.27	0.12	0	0	21.2	7.51	0.25	0.11	0	0
14	Rant & Dal / Noordheuwel	21.5	7.77	0.27	0.27	0	0	22.4	7.49	0.20	0.15	0	0	21.2	7.49	0.28	0.19	0	0
15	Rand Water	N/D	N/D	N/D	N/D	N/D	N/D	22.3	7.24	0.34	0.32	0	0	21.2	7.43	0.34	0.11	0	0

No.	DISTRIBUTION NETWORK SAMPLE POINTS	JANUARY 2011						FEBRUARY 2011						MARCH 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
	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	22.6	8.03	0.33	0.47	0	0	23.0	7.15	0.29	0.37	0	0	22.3	7.32	0.16	0.37	0	0
2	Hakunamatata	23.6	7.57	0.53	0.40	0	0	23.6	6.98	0.32	0.30	0	0	21.4	7.58	0.21	0.32	0	0
3	Hole in one road	21.6	7.84	0.32	0.33	0	0	22.0	7.10	0.36	0.23	0	0	21.4	7.36	0.25	0.25	0	0
4	Mindalore Connection	22.6	8.16	0.23	0.22	0	0	22.5	7.58	0.21	0.43	0	0	21.6	7.55	0.20	0.14	0	0
5	West Village Connection	21.5	7.66	0.25	0.30	0	0	22.4	7.44	0.22	0.22	0	0	21.2	7.38	0.23	0.17	0	0
6	Westonaria Connection	21.7	7.79	0.29	0.32	0	0	22.0	7.46	0.27	0.40	0	0	21.4	7.37	0.26	0.34	0	0

No.	NETWORK HYDRANTS FOR WATER TANKERS	JANUARY 2011						FEBRUARY 2011						MARCH 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
	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	23.1	8.01	0.25	0.60	0	0	22.1	7.05	0.43	0.15	0	0	23.3	7.75	0.17	0.04	0	0
2	Tarlon Helderblom	23.3	7.98	0.20	0.30	0	0	19.4	7.46	1.30	0.15	0	0	23.5	7.64	0.23	0.60	0	0
3	Tarlon Marabeth	23.4	8.00	0.21	0.40	0	0	20.4	7.67	0.63	0.20	0	0	23.1	7.73	0.21	0.30	0	0
4	Wildtuin Park	22.1	8.01	0.23	0.20	0	0	22.3	7.75	1.15	0.30	0	0	22.4	7.53	0.23	0.30	0	0
5	Zwartskop	22.8	7.89	0.19	0.20	0	0	22.9	7.86	0.40	0.20	0	0	22.6	7.71	0.24	0.06	0	0

END POINT USER SAMPLE POINTS		JANUARY 2011						FEBRUARY 2011						MARCH 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	N/A	N/A	0.29			0	22.0	7.41	0.34			0	20.0	7.60	0.39			0
2	RW Kagiso CS	21.0	7.00	0.49			0	23.0	7.08	0.39			0	21.0	7.20	0.39			0
3	RW Krug West TS	22.0	7.00	0.44			0	24.0	7.01	0.39			0	20.0	7.00	0.28			0
4	RW Magalies WWTW	23.0	7.10	0.46	0.40		0	23.0	7.28	0.42	0.20		0	20.0	7.30	0.36	0.20		0
5	RW Maranata Church	20.0	7.20	0.28	0.30		0	23.0	7.34	0.33	0.20		0	19.0	7.30	0.40	0.15		0
6	RW Munsieville JP	22.0	7.00	0.36			0	23.0	7.15	0.36			0	21.0	7.30	0.32			0
7	RW Noordheuwel RB	22.0	6.90	0.47			0	22.0	7.03	0.32			0	21.0	7.20	0.28			0
8	RW Nulaid Eggs	22.0	7.00	0.46	0.20		0	22.0	7.17	0.42	0.06		0	19.0	7.10	0.34	0.20		0
9	RW Ruimsig KM	21.0	7.20	0.33			0	22.0	7.05	1.40			0	20.0	7.30	0.37			0
10	Bastion High School	22.9	8.11	0.40	0.25	0	0	23.2	7.55	0.36	0.13	0	0	21.9	7.47	0.27	0.13	0	0
11	NWT Hekpoort	21.9	7.85	0.36	0.40	0	0	22.2	7.15	0.27	0.22	0	0	21.9	7.41	0.60	0.38	0	0
12	Letamo Game Lodge	22.4	8.23	0.33	0.17	0	0	22.9	7.43	0.32	0.10	0	0	22.1	7.57	0.19	0.09	0	0
13	NWT Lindley Joe Slovo	21.6	7.65	0.24	0.13	0	0	23.8	6.88	0.24	0.12	0	0	20.7	7.47	0.17	0.11	0	0
14	Lusaka Pump Station	22.0	7.81	0.32	0.20	0	0	22.5	7.45	0.19	0.17	0	0	21.5	7.37	0.19	0.15	0	0
15	Maropeng	21.2	7.64	0.34	0.27	0	0	22.4	7.08	0.35	0.13	0	0	20.7	7.41	0.23	0.22	0	0
16	Muldersdrift Primary	21.3	7.68	0.45	0.23	0	0	22.6	7.07	0.24	0.14	0	0	21.0	7.50	0.82	0.14	0	0
17	NWT Plot 89 Nootgedacht	20.8	7.73	0.20	0.17	0	0	22.8	7.17	0.19	0.13	0	0	20.9	7.37	0.19	0.13	0	0
18	Percy Stewart (Drinking)	23.2	7.90	0.24	0.30	0	0	23.4	7.57	0.25	0.27	0	0	21.9	7.57	0.19	0.28	0	0
19	President Building	21.7	7.81	0.32	0.23	0	0	22.4	7.45	0.24	0.15	0	0	21.3	7.30	0.23	0.16	0	0
20	NWT Protearidge Plot 126	22.3	7.58	0.17	0.08	0	0	22.5	7.31	0.42	0.25	0	0	21.8	7.15	0.27	0.11	0	0
21	Sasol Pinehaven	21.5	7.79	0.22	0.17	0	0	22.5	7.18	0.34	0.12	0	0	21.3	7.46	0.25	0.08	0	0
22	Sterkfontein Caves	22.2	7.87	0.22	0.17	0	0	23.2	6.94	0.21	0.12	0	0	21.8	7.35	0.17	0.15	0	0
23	NWT Tarlton Smokedown	22.1	7.64	0.20	0.17	0	0	22.8	7.28	0.22	0.09	0	0	21.3	7.44	0.24	0.12	0	0

RURAL BOREHOLES WITH STORAGE TANKS SAMPLE POINTS		JANUARY 2011						FEBRUARY 2011						MARCH 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	26.1	7.63	0.89		0	0	26.9	6.77	0.60		0	0	29.5	6.75	0.59		0	0
2	FJ Klopper School	66.3	7.68	0.31	0.08	0	0	64.5	6.71	0.12	0.15	0	0	64.8	7.10	0.61	0.06	0	0
3	Golden Harvest	25.2	7.74	0.18	0.20	307	395	26.3	7.08	0.18	0.06	0	0	26.5	7.19	0.10	0.06	0	0
4	Kwaggafontein School	6.0	6.62	0.67		0	0	6.7	6.57	0.64		0	0	5.2	7.07	0.16		0	0
5	Letamo Game Lodge	64.7	7.51	0.15		0	0	23.0	6.73	0.72		0	0	21.2	7.47	0.18		0	0
6	Little Farm Yard	9.4	7.23	0.18		0	0	9.6	6.65	0.16		0	0	9.3	7.42	0.10		0	0
7	Maanhaarrand	27.0	7.16	0.20		0	0	26.6	6.95	0.36		0	0	27.9	6.78	0.32		2	11
8	Maloney's Eye School	17.9	7.45	1.32		0	0	18.8	7.26	1.00		0	0	19.2	7.21	1.12		0	0
9	Migalsoord	56.7	6.84	0.20		0	0	40.6	6.38	0.22		0	0	41.0	6.71	0.14		0	0
10	Protearidge Plot 124	36.7	7.60	0.10		0	0	37.7	7.35	0.10		0	0	37.9	7.43	0.10		0	0
11	Satellite Station	2.5	6.45	3.91		0	0	2.5	6.19	0.11		0	0	2.7	7.23	5.16		0	0

RURAL BOREHOLES WITHOUT STORAGE TANKS SAMPLE POINTS		JANUARY 2011						FEBRUARY 2011						MARCH 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	47.6	7.83	0.24		0	0	48.1	7.44	0.25		0	0	48.4	7.66	0.21		0	0
2	Driefontein Plot 38	14.6	7.05	0.56		0	0	15.4	6.75	0.52		0	0	15.4	6.55	0.50		0	0
3	Harpers Café	76.1	7.76	> 100		0	0	N/D	N/D	N/D		N/D	N/D	N/D	N/D	N/D		N/D	N/D
4	Radikgomo	47.6	7.43	5.51		0	0	49.0	6.51	1.45		0	0	49.7	7.01	2.30		0	0