

MOGALE CITY LOCAL MUNICIPALITY
INFRASTRUCTURE SERVICES
ANALYTICAL RESULTS

No.	RESERVOIR SAMPLE POINTS	OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
	Standard	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0
1	Azaadville Old	22.9	7.97	0.16	0.40	0	0	23.0	8.13	0.16	0.40	0	0	21.8	8.23	0.10	0.40	31	0
2	Azaadville New	23.0	7.98	0.14	0.30	0	0	22.9	7.80	0.15	0.30	3	0	22.6	8.19	0.17	0.30	0	0
3	Chamdor	22.8	7.96	0.15	0.25	6	0	23.2	7.98	0.12	0.30	0	0	21.6	8.00	0.12	0.30	0	0
4	Dan Pienaarville Old	23.4	7.76	0.22	0.30	0	0	23.1	7.40	0.10	0.40	0	0	22.7	7.67	0.10	0.40	16	0
5	Dan Pienaarville New	23.2	7.75	0.10	0.40	0	0	23.0	7.70	0.21	0.30	0	0	21.3	7.73	0.20	0.30	50	0
6	Factoria	22.9	8.06	0.10	0.40	3	0	23.0	7.93	0.16	0.40	0	0	22.4	7.88	0.10	0.40	0	0
7	Kagiso	23.2	7.63	0.12	0.35	0	0	23.1	7.74	0.13	0.20	1	0	23.1	7.71	0.10	0.30	0	0
8	Kagiso 12	23.2	7.71	0.14	0.35	0	0	23.1	7.80	0.16	0.40	0	0	23.1	7.65	0.10	0.40	0	0
9	Kenmare / Silverfields	23.1	7.80	0.18	0.35	0	0	22.9	7.82	0.23	0.30	22	0	20.9	7.62	0.10	0.30	0	0
10	Krugersdorp	23.0	7.82	0.23	0.20	0	0	22.9	7.76	0.14	0.25	1	0	21.1	7.70	0.19	0.15	16	0
11	Magalies	23.2	8.07	0.10	0.40	0	0	23.4	8.16	0.10	0.40	0	0	20.8	8.13	0.19	0.40	1	0
12	Munsieville	22.8	7.82	0.23	0.25	0	0	23.1	7.93	0.23	0.20	0	0	21.4	7.75	0.24	0.20	5	0
13	Noordheuwel	23.2	7.94	0.11	0.25	0	0	22.8	7.79	0.23	0.30	0	0	21.1	7.75	0.11	0.30	4	0
14	Rant & Dal / Noordheuwel	23.3	7.74	0.12	0.25	0	0	23.2	7.76	0.17	0.15	0	0	21.9	7.57	0.64	0.20	124	0
15	Rangeview	23.2	7.82	0.15	0.18	0	0	22.9	7.75	0.21	0.30	1	0	21.1	7.75	0.18	0.15	416	0
16	Rand Water	23.1	7.60	0.28	0.15	0	0	22.9	7.79	0.22	0.13	37	0	21.0	7.70	0.37	0.15	0	0

No.	DISTRIBUTION NETWORK SAMPLE POINTS	OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
	Standard	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0
1	Game Reserve Connection	22.9	8.05	0.19	0.40	0	0	22.8	8.21	0.12	0.40	0	0	20.6	7.96	0.10	0.40	15	0
2	Hakunamatata	22.3	8.20	0.24	0.40	0	0	22.6	8.03	0.20	0.40	0	0	20.8	8.18	0.24	0.40	34	0
3	Hekpoort Connection	22.9	8.17	0.15	0.30	0	0	22.9	8.20	0.14	0.30	0	0	20.8	7.95	0.12	0.30	14	0
4	Hole in one road	22.6	8.01	0.26	0.30	0	0	22.9	8.03	0.15	0.25	0	0	20.8	7.90	0.10	0.30	0	0
5	Mindalore Connection	23.8	8.31	0.20	0.15	0	0	23.2	8.16	0.14	0.20	17	0	23.8	8.64	0.12	0.30	0	0
6	West Village Connection	23.5	7.74	0.15	0.30	0	0	23.0	7.70	0.13	0.30	2	0	21.3	7.70	0.10	0.30	2	0
7	Westonaria Connection	22.9	7.83	0.18	0.40	1	0	22.8	7.85	0.15	0.40	17	0	21.2	7.62	0.23	0.40	71	0

No.	NETWORK HYDRANTS FOR WATER TANKERS	OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
	Standard	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0
1	Magalies Taxi Rank	23.9	7.44	0.14	0.30	0	0	23.3	8.01	0.16	0.15	63	0	20.8	8.16	0.10	0.40	0	0
2	Tariton Helderblom	23	7.91	0.10	0.40	0	0	23.5	7.91	0.20	0.30	0	0	21.7	7.94	0.10	0.30	0	0
3	Tariton Marabeth	23.3	7.87	0.21	0.20	0	0	23.4	8.09	0.10	0.40	54	0	22	7.93	0.10	0.40	0	0
4	Wildtuin Park	23.0	7.53	0.16	0.30	0	0	22.9	7.66	0.15	0.20	25	0	23.4	7.62	0.13	0.30	31	0
5	Zwartkop	22.2	7.79	0.21	0.15	0	0	23.6	7.84	0.10	0.20	0	0	22.2	7.60	0.20	0.30	35	0

No.	END POINT USER SAMPLE POINTS	OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
	Standard	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0
1	RW Azaadville LX	24.0	8.20	0.29		3	0	23.0	7.80	0.30		5	0						
2	RW Kagiso CS	25.0	7.30	0.29		129	0	23.0	7.20	0.23		24	0						
3	RW Krug West TS	25.0	7.90	0.22		2	0	24.0	7.40	0.25		0	0						
4	RW Magalies WWTW	25.0	8.10	0.34	0.40	0	0	26.0	8.00	0.24	0.40	12	0						
5	RW Maranata Church	25.0	8.10	0.26	0.40	0	0	26.0	8.00	0.31	0.20	1	0						
6	RW Munsieville JP	24.0	7.70	0.42		2490	0	22.0	8.70	0.26		29700	0						
7	RW Noordheuwel RB	24.0	7.70	0.21		35	0	23.0	7.20	0.32		12	0						
8	RW Nulaid Eggs	23.0	8.10	0.25	0.20	0	0	24.0	8.00	0.32	0.30	1	0						
9	RW Ruimsig KM	24.0	7.60	0.22		49	0	24.0	7.40	0.31		137	0						
10	Azaadville Engen Garage	22.8	8.07	0.16	0.15	5	0	23.2	8.04	0.15	0.30	0	0	22.0	8.20	0.10	0.15	0	0
11	Bastion High School	23.6	8.44	0.18	0.25	0	0	23.3	8.13	0.10	0.15	1	0	23.8	8.24	0.16	0.20	67	0
12	Breunanda 27 Walnut str	23.3	8.08	0.14	0.15	0	0	23.1	7.84	0.17	0.13	4	0	21.7	7.96	0.19	0.10	0	0
13	Chamdor BP Garage	22.9	8.04	0.33	0.25	0	0	23.1	8.03	0.20	0.30	15	0	22.4	8.14	0.19	0.30	0	0
14	Featherbrooke Clubhouse	23.0	7.66	0.18	0.20	0	0	22.7	7.77	0.13	0.25	1	0	22.4	7.59	0.18	0.30	0	0
15	Kagiso Ext 1 Clinic	23.2	8.09	0.22	0.15	0	0	23.5	8.21	0.11	0.18	24	0	21.7	8.17	0.28	0.20	0	0
16	Kagiso Ext 14 School	23.3	8.03	0.22	0.30	0	0	23.2	7.96	0.15	0.30	0	0	22.7	8.10	0.14	0.30	33	0
17	Kagiso Ext 2 Clinic	23.1	7.58	0.20	0.23	0	0	23.1	7.59	0.15	0.13	24	0	23.3	7.63	0.25	0.20	0	0
18	Kagiso Ext 2 Mandiba High School	23.3	7.72	0.17	0.23	0	0	23.2	7.72	0.12	0.13	18	0	23.2	7.69	0.22	0.15	0	0
19	Kagiso Ext 6 Church of Jesus C.	23.2	7.71	0.19	0.35	0	0	23.1	7.70	0.14	0.35	0	0	23.1	7.69	0.17	0.30	0	0
20	Kagiso Ext 6 Power Station	23.2	7.71	0.13	0.30	5	0	22.9	7.91	0.70	0.28	0	0	22.9	7.72	0.13	0.20	3	0
21	Kagiso Ext 8 Assembly of God	23.3	7.66	0.13	0.25	3	0	23.2	7.74	0.17	0.30	2	0	23.2	7.63	0.12	0.20	0	0
22	Kagiso Leratong Total Garage	23.3	7.66	0.20	0.20	0	0	23.1	7.82	0.21	0.30	0	0	23.1	7.77	3.04	0.30	0	0
23	Kagiso Post Office	23.3	7.93	0.32	0.20	0	0	23.1	7.86	0.16	0.20	2	0	23.0	7.64	0.10	0.10	0	0
24	Kenmare c/o Dingle & Dromore	23.1	7.92	0.52	0.35	0	0	23.1	7.84	0.51	0.35	3	0	22.7	7.77	0.40	0.30	13	0
25	Luipaardsvlei Old Age Home	23.0	7.96	0.12	0.15	0	0	23.1	7.97	0.16	0.15	1	0	22.9	7.92	0.22	0.20	23	0
26	Lusaka 1 Community Hall	23.6	8.14	0.18	0.18	0	0	23.1	7.98	0.20	0.35	0	0	23.8	7.87	0.24	0.20	0	0
27	Lusaka 1 Sportsground	23.5	8.07	0.16	0.30	0	0	23.2	8.04	0.17	0.25	0	0	22.7	8.03	0.25	0.30	0	0
28	Lusaka 2 & 3 Clinic	23.0	8.09	0.17	0.25	0	0	22.9	7.87	0.17	0.25	0	0	22.6	7.74	0.15	0.20	0	0
29	Lusaka Pump Station	23.1	8.05	0.12	0.23	0	0	23.0	7.92	0.12	0.25	0	0	22.7	7.73	0.37	0.30	52	0
30	Mindaloro Tennis Courts	22.6	8.10	0.17	0.40	0	0	23.1	8.20	0.10	0.35	0	0	22.4	8.02	0.35	0.30	29	0
31	Muldersdrift Primary	23.1	7.79	0.19	0.30	3	0	22.7	7.47	0.17	0.20	0	0	22.5	7.68	0.18	0.20	0	0
32	Muldersdrift Wolf Autohaus	22.9	7.80	0.10	0.25	0	0	22.8	7.70	0.19	0.30	0	0	21.8	7.79	0.19	0.30	0	0
33	NWT Lindley Joe Slovo	22.6	7.67	0.38	0.18	0	0	21.5	7.61	0.19	0.30	20	0	22.4	7.67	0.12	0.15	0	0
34	NWT Plot 89 Nooitgedacht	21.9	7.80	0.12	0.25	0	0	22.4	7.63	0.13	0.25	14	0	22.1	7.67	0.13	0.20	75	0
35	Sasol Pinehaven	22.9	7.70	0.12	0.25	0	0	22.8	7.72	0.15	0.18	6	0	21.4	7.78	0.11	0.30	2	0
36	Ruimsig Excel Garage	22.9	8.14	0.17	0.15	0	0	22.7	7.96	0.13	0.20	0	0	20.9	8.27	0.11	0.15	0	0
37	Silverfields 13 Gladwin Ave	23.6	8.21	0.19	0.15	9	0	23.3	7.93	0.14	0.20	9	0	22.5	8.16	0.27	0.15	0	0
38	Sinqobile Inkwenkwezi Edu Care	23.1	7.85	0.21	0.23	0	0	23.5	7.91	0.12	0.15	0	0	22.9	7.71	0.10	0.40	0	0
39	Wentworthpark Level & Peg	23.0	7.88	0.21	0.18	0	0	23.0	7.89	0.24	0.18	0	0	22.8	7.61	0.12	0.30	34	0
40	Boltonia Diesekl Pro	23.4	7.80	0.19	0.13	0	0	23.0	7.72	0.24	0.18	0	0	21.2	7.63	0.10	0.20	3	0
41	Chancellor Pumpstation	23.2	7.70	0.19	0.23	0	0	23.1	7.79	0.16	0.30	1	0	21.1	7.79	0.20	0.30	3	0
42	Gamohale Ubuntu Arts & Crafts	23.3	7.98	0.14	0.20	0	0	23.6	8.14	0.25	0.35	6	0	20.9	8.08	0.16	0.30	2	0
43	Kenmare Ext 4 Dublin str 79	23.2	7.85	0.19	0.15	0	0	23.0	7.76	0.24	0.13	1	0	21.1	7.76	0.18	0.20	0	0
44	Krugerdsorp-N Caltex Garage	23.3	8.25	0.31	0.20	0	0	23.1	7.92	0.26	0.18	55	0	21.4	7.88	0.20	0.30	16	0
45	Krugerdsorp Privat Hospital	23.1	7.89	0.14	0.25	0	0	22.5	7.82	0.16	0.13	1	0	21.0	8.00	0.10	0.15	75	0
46	Krugerdsorp-W Agavia Park	23.2	7.94	0.23	0.35	0	0	23.2	7.93	0.21	0.25	4	0	20.9	7.86	0.10	0.20	0	0
47	Krugerdsorp-W Caltex Garage	23.1	7.94	0.18	0.25	0	0	23.1	7.88	0.10	0.30	2	0	20.7	8.02	0.16	0.30	34	0
48	Letamo Game Lodge	23.6	7.86	0.28	0.18	0	0	23.2	7.87	0.12	0.20	1	0	21.5	8.02	0.17	0.20	26	0
49	Maropeng	23.6	7.58	0.31	0.30	0	0	23.3	7.82	0.22	0.30	3	0	20.5	7.66	0.68	0.20	15	0

50	Monument Nicolas Smuts str	23.1	7.78	0.18	0.20	0	0	22.8	7.70	0.17	0.20	0	0	21.4	7.72	0.21	0.30	9	0
51	Monument Woodstream Lofts	23.2	7.82	0.23	0.15	0	0	23.0	7.74	0.26	0.18	0	0	21.2	7.89	0.24	0.20	2	0
52	Munsieville Clinic	22.8	7.81	0.19	0.18	6	0	23.0	7.86	0.48	0.15	2	0	20.9	7.83	0.16	0.30	0	0
53	Munsieville Ext 4 Pumpstation	22.9	7.75	0.11	0.15	0	0	23.0	7.81	0.17	0.20	25	0	20.9	7.83	0.39	0.20	4	0
54	Noordheuwel Sasol Garage	23.2	7.86	0.17	0.23	0	0	22.9	7.74	0.24	0.15	2	0	21.0	7.73	0.10	0.20	4	0
55	Noordheuwel 49 Soutpansberg	23.1	7.83	0.19	0.10	0	0	22.9	7.71	0.72	0.23	2	0	21.0	7.79	0.20	0.30	13	0
56	NWT Hekpoort	23.5	8.05	0.25	0.40	0	0	23.2	7.97	0.19	0.40	2	0	20.8	7.95	0.12	0.40	14	0
57	NWT Protearidge Plot 126	23.7	7.56	0.12	0.18	1	0	22.9	7.82	0.10	0.18	3	0	22.5	7.53	0.23	0.20	101	0
58	NWT Tariton Smokedown	22.4	7.84	0.11	0.23	1	0	23.2	7.75	0.23	0.18	1	0	20.3	7.79	0.23	0.30	1	0
59	Percy Stewart (Drinking)	22.8	7.89	0.30	0.30	0	0	23.5	7.59	0.14	0.30	11	0	21.5	8.40	0.10	0.30	0	0
60	President Building	23.6	7.74	0.17	0.15	5	0	23.3	7.86	0.46	0.18	8	0	23.1	7.82	0.34	0.30	63	0
61	Rangeview Jehova Watch Tower	23.3	7.79	0.21	0.30	0	0	23.0	7.76	0.12	0.18	5	0	21.7	7.81	0.24	0.30	34	0
62	Rangeview Total Garage Norden	23.1	7.74	0.22	0.20	0	0	22.9	7.69	0.21	0.18	5	0	21.2	7.71	0.10	0.20	69	0
63	Rant & Dal Gau-Trans Yard	23.3	7.77	0.31	0.15	0	0	23.3	7.92	0.16	0.30	3	0	21.4	7.84	0.11	0.30	1	0
64	Rant & Dal Shell Garage	23.4	7.92	0.26	0.30	0	0	23.1	8.01	0.28	0.13	3	0	21.1	7.84	0.10	0.30	4	0
65	Sterkfontein Caves	23.5	7.71	0.17	0.23	0	0	23.4	7.87	0.11	0.30	3	0	22.2	7.78	0.18	0.20	4	0
66	Sterkfontein Zenex Garage	23.4	7.86	0.17	0.18	0	0	23.5	7.99	0.19	0.15	0	0	21.4	7.97	0.10	0.20	0	0

No.	Standard	OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/100ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
		<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	0	0
1	Bekker School	26.7	7.52	1.02	0.10	0	0	25.4	7.83	0.26	0.20	12	0	24.5	7.50	0.13	0.10	0	0
2	FJ Klopper School	54.3	7.60	0.10	0.06	0	0	55.9	7.54	0.10	0.06	63	0	64.3	7.48	0.11	0.10	5	0
3	Golden Harvest	26.2	7.79	0.16	0.06	0	0	26.6	7.81	0.21	0.10	0	0	26.5	7.73	0.17	0.15	0	0
4	Kwaggafontein School	8.2	6.80	0.16		0	0	4.5	6.47	0.21		0	0	5.4	6.53	0.14		0	0
5	Letamo Game Lodge	69.7	7.31	0.31		0	0	68.1	7.86	0.22		5	0	70.9	7.29	0.10		0	0
6	Little Farm Yard	10.0	7.02	0.10		17	3	9.9	7.10	0.13		0	0	10.0	7.11	0.11		0	0
7	Maanhaarand	28.2	7.22	0.65		1	0	28.2	7.49	0.65		5	0	27.6	7.35	0.39		112	0
8	Maloney's Eye School	19.2	7.79	0.63		0	0	19.5	7.84	0.30		1	0	19.2	7.70	0.78		15	0
9	Migaloord	37.5	6.82	0.14		0	0	91.2	8.18	0.10		22	0	91.7	6.97	0.10		7	0
10	Protearidge Plot 124	37.7	8.11	0.10		19	0	38.2	8.00	0.20		11	0	38.0	8.09	0.10		66	0
11	Satellite Station	2.5	6.27	5.21		0	0	2.6	6.37	3.48		70	0	7.1	7.49	0.78		20	0

RURAL BOREHOLES WITHOUT STORAGE TANKS SAMPLE POINTS		OCTOBER 2011						NOVEMBER 2011						DECEMBER 2011					
		Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli	Electricity Conductivity	pH	Turbidity	Free Chlorine	TPC	Escherichia Coli
		mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml	mS/m		NTU	mg/l	cfu/1ml	cfu/100ml
No.	Standard	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0	<150	5.0-9.5	<1	N/S	N/S	0
1	Boikarabelo	46.6	7.71	0.15		0	5	42.1	7.52	0.16		0	0	47.1	7.78	0.10		74	0
2	Driefontein Plot 38	15.4	6.70	0.66		0	0	17.6	6.89	0.89		0	0	15.7	6.86	0.33		52	0
3	Radikgomo	53.3	7.13	5.12		0	0	39.2	7.12	2.28		59	0	53.5	7.11	2.55		67	0