

City of Johannesburg  
Quarterly Water Quality status of the Klip River catchment



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**BBS3**  
S26.31105 / E28.01345

Silver Lane, Kibler Park

	E.coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiologic al Index	Chemical Index
	8 400	0.5	1.6	0.6	28	8.0	20	24	30	Unacceptable	Acceptable
	27 000	0.5	1.6	0.5	34	7.7	26	29	34	Unacceptable	Acceptable
	179	0.5	2.0	0.5	36	8.1	26	26	31	Acceptable	Acceptable
	8 900	0.5	0.8	0.5	25	8.0	29	20	30	Unacceptable	Acceptable

**BBS4**  
S26.28292 / E28.00940

Fransdaph Str, Mondeor

	8 400	0.5	2.0	0.7	30	7.8	25	25	33	Unacceptable	Acceptable
	27 000	0.5	1.5	0.7	29	7.7	23	28	28	Unacceptable	Acceptable
	1 500	0.5	2.0	0.5	32	7.9	31	25	30	Unacceptable	Acceptable
	8 400	0.5	1.5	0.5	27	7.9	22	24	24	Unacceptable	Acceptable

**BBS5**  
S26.32492 / E28.00358

Bloubos Spr, Peggy Vera Str,  
Kibler Park

	6 400	0.5	2.0	0.5	30	7.9	25	25	31	Unacceptable	Acceptable
	23 000	0.5	4.3	0.5	41	7.8	35	50	50	Unacceptable	Acceptable
	470	0.5	1.9	0.5	35	8.1	28	28	33	Unacceptable	Acceptable
	23 000	0.5	1.5	0.5	25	7.8	31	20	21	Unacceptable	Acceptable

**FD15**  
S26.22658 / E28.02235

Robinson Canal

	0	0.3	0.9	8.1	160	3.6	56	34	870	Ideal	Unacceptable
	22 000	0.5	0.7	9.8	120	6.6	67	42	640	Unacceptable	Tolerable
	900 000	0.5	1.1	13.0	95	6.9	88	45	310	Unacceptable	Tolerable
	1 200 000	0.5	1.2	5.5	58	5.2	64	25	288	Unacceptable	Tolerable

**FLOUT**  
S26.18138 E27.90750

Florida Lake Outlet, Hamberg Rd

	440	0.5	0.7	0.5	15	7.7	31	13	9	Unacceptable	Acceptable
	200	0.5	0.5	0.5	17	7.4	33	13	8	Acceptable	Acceptable
	170	0.5	0.5	0.5	19	7.4	51	16	10	Acceptable	Acceptable
	2 200	0.5	0.5	0.5	17	7.9	71	14	8	Unacceptable	Acceptable

**GV1**  
S26.27465 / E28.04830

Glenvista Spruit, Golf Course

	4 100	0.5	4.4	0.5	40	7.8	32	52	52	Unacceptable	Acceptable
	4 600	0.5	1.9	0.5	30	7.8	22	42	42	Unacceptable	Acceptable
	1 200	0.5	0.5	0.5	35	7.8	28	36	36	Acceptable	Acceptable
	11 000	0.5	2.0	2.7	39	7.9	52	29	53	Unacceptable	Tolerable

**GV2**  
S26.29215 / E28.07147

Glenvista Spruit, Cnr  
Bellairs/loubcher

	6 200	0.5	1.7	0.5	35	7.7	25	38	38	Unacceptable	Acceptable
	5 100	0.5	1.8	0.5	38	8.4	28	41	41	Unacceptable	Acceptable
	1 700	0.5	1.0	0.5	36	8.0	31	25	29	Acceptable	Acceptable
	14 000	0.5	1.3	0.5	27	7.8	32	20	31	Unacceptable	Acceptable

**H2**  
S26.28252 / E27.91232

Harrington Spruit at Union Rd,  
Eldorado

	2 300	0.6	1.9	0.5	51	7.9	32	53	53	Unacceptable	Tolerable
	530	0.6	0.6	0.5	54	7.7	45	54	54	Tolerable	Tolerable
	31 000	1.1	5.8	0.5	54	7.7	48	54	54	Unacceptable	Tolerable
	6 900	0.6	0.6	0.5	53	7.9	37	55	55	Unacceptable	Tolerable

**H4**  
S26.31172 / E27.91862

Harrington Spruit at Golden Highway

	59 000	0.5	4.4	0.5	51	7.9	33	53	53	Unacceptable	Tolerable
	16 000	0.7	5.9	0.5	54	7.8	38	58	54	Unacceptable	Tolerable
	32 000	0.9	7.7	0.5	54	7.7	47	61	53	Unacceptable	Tolerable
	180 000	0.6	0.6	0.5	52	7.9	39	59	51	Unacceptable	Tolerable

**IN3**  
S26.19175 / E27.95545

Klip Sp at Brg Behind Mosque,  
Maroela St

	380 000	0.5	5.0	2.0	44	7.2	78	42	34	Unacceptable	Tolerable
	880 000	1.1	1.3	6.2	50	7.8	320	75	75	Unacceptable	Tolerable
	160 000	0.7	0.7	0.5	46	7.2	110	42	42	Unacceptable	Acceptable
	1 100 000	2.5	0.5	13.0	62	7.2	710	47	47	Unacceptable	Tolerable

**KR1**  
S26.24042 / E27.95545

Klipspruit, Cnr Klipspruit Valley  
& Kumalo

	380 000	0.5	5.2	4.9	63	7.1	48	30	170	Unacceptable	Tolerable
	340 000	0.6	4.3	4.4	58	7.4	42	28	150	Unacceptable	Tolerable
	300 000	0.6	6.0	8.2	58	7.3	53	35	100	Unacceptable	Tolerable
	41 000	0.5	0.5	2.3	43	6.0	66	19	110	Unacceptable	Tolerable

**KR10**

Olifantsvlei Causeway, upstream of  
pond discharge

	8 000	0.3	4.2	0.5	49	7.7	32	30	91	Unacceptable	Acceptable
	2 500	0.5	5.4	0.5	51	7.7	37	32	79	Unacceptable	Acceptable
	9 900	0.5	11.0	2.2	55	7.6	30	32	88	Unacceptable	Tolerable
	21 000	0.5	2.8	1.0	50	7.6	30	27	90	Unacceptable	Acceptable

February 2013 - April 2013	Ideal
May 2013 - July 2013	Acceptable
August 2013 - October 2013	Tolerable
November 2013 - January 2014	Unacceptable

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**KR11**  
 S26.33522 / E27.80172

Klip River - Van Der Bijl Road

	E.coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiological Index	Chemical Index
	1 000	0.5	3.6	0.5	14	7.8	19	36	72	Unacceptable	Acceptable
	1 300	0.5	5.0	0.5	35	7.8	36	38	63	Unacceptable	Acceptable
	910	0.5	6.0	0.7	51	7.9	31	39	66	Unacceptable	Acceptable
	870	0.5	4.3	0.6	47	7.9	37	34	72	Unacceptable	Acceptable

**KR12**  
 S26.26263 / E27.88873

Klipspruit Cnr Klipspruit Valley & Old Potch

	44 000	0.5	5.1	0.5	44	7.5	21	24	64	Unacceptable	Acceptable
	810 000	0.5	3.7	0.5	52	7.6	32	34	85	Unacceptable	Acceptable
	89 000	0.5	33.0	4.8	45	7.2	46	35	32	Unacceptable	Tolerable
	120 000	0.5	6.8	4.3	52	7.6	51	28	82	Unacceptable	Tolerable

**KR13**  
 S26.16938 / E27.83358

Klip River, R41 Before Corlett Av Intersection

	90	0.5	0.9	0.5	52	7.0	61	18	160	Ideal	Acceptable
	8 100	0.5	1.3	0.5	29	7.4	56	25	50	Unacceptable	Acceptable
	0	0.5	0.5	0.5	30	7.8	38	21	48	Ideal	Acceptable
	880	0.5	0.9	0.5	29	7.4	41	17	73	Unacceptable	Acceptable

**KR14**  
 S26.17812 / E27.83650

Klip River, Alpha Cement Service Rd, off R41

	240	0.5	9.7	0.5	66	6.6	35	33	540	Tolerable	Tolerable
	150	0.7	20.0	5.7	110	7.0	37	36	370	Unacceptable	Tolerable
	190	0.5	9.2	3.2	68	7.3	29	28	180	Unacceptable	Tolerable
	2 100	0.5	4.1	3.2	110	7.1	45	29	440	Unacceptable	Tolerable

**KR15**  
 S26.17617 / E27.81747

Klip River, Leratong Settlement, Roodepoort Ext

	250	0.5	0.7	0.5	23	7.3	25	21	22	Tolerable	Acceptable
	20	0.5	1.0	0.5	21	7.3	26	20	25	Ideal	Acceptable
	120	0.6	1.4	0.5	21	7.4	31	21	9	Ideal	Acceptable
	1 200	0.5	0.5	0.5	25	7.4	32	18	34	Unacceptable	Acceptable

**KR2**  
 S26.28992 / E27.88547

Klipspruit, Cnr Klipspruit Valley / Klipspruit West

	820 000	1.1	6.4	7.0	48	7.4	100	32	39	Unacceptable	Tolerable
	98 000	0.6	4.6	5.4	59	7.5	50	41	65	Unacceptable	Tolerable
	37 000	0.5	23.0	5.3	61	7.6	48	43	61	Unacceptable	Tolerable
	240 000	0.5	6.4	1.9	48	7.8	40	30	61	Unacceptable	Tolerable

**KR4** S26.32890 / E27.94272

Klip River, Living Waters Upstream of Harringtonspruit

	910	0.5	4.4	0.5	50	7.6	82	34	70	Unacceptable	Unacceptable
	790	0.5	14.0	0.5	50	7.6	40	36	190	Unacceptable	Acceptable
	690	0.8	5.6	0.5	53	7.6	33	38	70	Unacceptable	Tolerable
	41 000	0.5			45	7.8	37	33	99	Unacceptable	Tolerable

**KR6**  
 S26.31975 / E27.94072

Klip River near Lido Hotel off R554

	3 400	0.8	8.8		54	7.5	34	46	70	Unacceptable	Tolerable
	1 400	0.5	5.5		55	7.5	33	46	72	Unacceptable	Acceptable
	500	0.6	5.5	0.5	53	7.5	39	45	65	Unacceptable	Tolerable
	110 000	0.5		0.5	49	7.6	36	35	98	Unacceptable	Unacceptable

**KR7**  
 S26.38045 / E28.07117

Klip River, R550 Johannesburg Border

	20 000	0.8	6.0		52	7.6	41	42	73	Unacceptable	Tolerable
	95 000	0.5	6.5		54	9.7	31	46	72	Unacceptable	Tolerable
	750	0.6	5.8	0.5	55	7.7	41	47	73	Unacceptable	Tolerable
	100 000	0.6			48	7.6	46	38	86	Unacceptable	Tolerable

**KR8**  
 S26.30705 / E27.84557

Klip River, Lenasia Country Club

	1 400	0.5	1.1	0.5	46	7.5	31	19	64	Unacceptable	Acceptable
	57 000	0.5	1.4	0.5	50	7.7	26	21	75	Unacceptable	Acceptable
	1 100	0.5	0.9	0.5	51	7.7	29	18	64	Unacceptable	Acceptable
	410	0.5	0.5	0.5	35	7.9	33	20	130	Unacceptable	Acceptable

**NS1**  
 S26.22793 / E28.10643

Natalspruit, Houer Rd below Rosherville Dam

	8 700	0.5	1.2	4.9	31	7.0	35	25	250	Unacceptable	Tolerable
	1 400	0.5	1.6	3.4	100	7.6	41	30	160	Unacceptable	Tolerable
	8 800	0.5	2.0	7.5	54	7.3	42	34	200	Unacceptable	Tolerable
	91 000	0.5	0.6	4.5	48	7.3	36	19	320	Unacceptable	Tolerable

**NS2**  
 S26.23775 / E28.09002

Natalspruit, Cr Outspan/Neale Rds

	120 000	0.7	5.7	1.6	58	6.2	150	43	230	Unacceptable	Tolerable
	34 000	0.5	15.0	1.6	85	6.4	97	32	180	Unacceptable	Tolerable
	1 700	0.6	2.0	2.4	65	6.7	39	30	180	Unacceptable	Acceptable
	12 000	0.5	1.1	1.5	47	7.2	32	26	140	Unacceptable	Acceptable

**NS3**  
 S26.24280 / E28.11880

Natalspruit, Pauline Smith Cleverland Park

	15 000	0.5	1.9	3.5	71	6.9	23	25	190	Unacceptable	Acceptable
	8 200	0.5	1.2	2.4	33	7.1	45	30	510	Unacceptable	Tolerable
	19 000	0.7	25.0	5.8	80	7.3	46	31	190	Unacceptable	Tolerable
	3 400	0.5	0.7	3.5	49	7.3	32	21	130	Unacceptable	Acceptable

February 2013 - April 2013	Ideal
May 2013 - July 2013	Acceptable
August 2013 - October 2013	Tolerable
November 2013 - January 2014	Unacceptable



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**NS5**  
S26.21975 / E28.12693

Natalspruit, Metsep/ray Str

	E.coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiological Index	Chemical Index
	130 000	0.7	7.6	1.6	54	6.6	36	47	200	Unacceptable	Tolerable
	86 000	1.0	1.2	12.0	50	6.2	35	43	120	Unacceptable	Tolerable
	18 000	0.5	1.2	3.6	59	6.9	39	28	120	Unacceptable	Acceptable
	30	0.5	2.5	10.7	67	6.1	33	51	420	Ideal	Acceptable

**OAD**  
S26.24882 / E27.91047

Orlando Dam Outlet

	2 400 000	1.5	0.6	14.0	53	7.2	190	48	51	Unacceptable	Tolerable
	2 400 000	0.7	1.3	3.9	53	7.4	170	33	150	Unacceptable	Acceptable
	2 400 000	1.8	0.5	23.0	61	7.2	240	45	35	Unacceptable	Tolerable
	2 400 000	1.5	0.5	20.0	59	7.8	220	45	48	Unacceptable	Tolerable

**OPE\_G**

Olifantslei Pond Effluent - grab

	10	0.5	3.7	9.3	45	8.3	31	42	52	Ideal	Acceptable
	10	0.5	5.1	10.7	48	8.1	32	42	60	Ideal	Acceptable
	0	0.5	4.2	6.5	48	8.2	39	43	56	Ideal	Acceptable
	10	0.5	4.2	6.5	46	8.6	36	42	55	Ideal	Acceptable

**RP1**

S26.2262 / E28.02242

Russell Stream, Lake Rd, Booyens

	2 400 000	1.5	10.0	9.0	63	7.6	100	50	100	Unacceptable	Unacceptable
	76 000	1.1	1.1	11.0	200	6.9	52	73	570	Unacceptable	Unacceptable
	860 000	1.5	1.6	11.0	109	6.4	72	47	350	Unacceptable	Tolerable

**RP2**

S26.22730 / E28.0232

Russell Stream - Crown Mines

	1 100 000	1.5	0.5	14.0	64	5.3	190	48	300	Unacceptable	Tolerable
	1 000 000	1.1	0.5	16.0	150	6.8	50	43	52	Unacceptable	Tolerable
	1 100 000	1.5	1.5	10.0	100	6.7	72	47	500	Unacceptable	Tolerable
	1 200	1.5	2.5	5.1	78	5.2	39	24	250	Unacceptable	Tolerable

**SIA1**

S26.26215 / E27.87787

Downstream of Moroka Dam

	13 000	0.5	23.0	0.5	38	7.7	25	21	46	Unacceptable	Acceptable
	590	0.6	5.9	3.6	49	7.9	26	34	35	Unacceptable	Tolerable
	590	0.5	19.0	2.6	56	8.0	39	36	64	Unacceptable	Tolerable
	26 000	0.5	5.9	3.5	38	7.8	41	22	39	Unacceptable	Tolerable

**SIA12**

S26.28295 / E27.87947

Klipspruit - Mzimhlope Womens Hostel

	280 000	1.5	4.8	5.2	65	7.0	44	32	160	Unacceptable	Tolerable
	240 000	1.6	1.5	5.6	73	7.0	49	44	220	Unacceptable	Tolerable
	290 000	0.5	11.0	9.2	67	7.2	52	33	290	Unacceptable	Tolerable
	99 000	0.5	1.5	3.8	54	6.2	72	24	190	Unacceptable	Acceptable

**SIA13**

S26.22382 / E27.88110

Tributary of Klipspruit from Dube at Bridge below Bowl

	890 000	1.5	4.8	11.0	48	7.4	160	32	86	Unacceptable	Tolerable
	41 000	0.5	5.3	2.9	32	7.4	32	34	79	Unacceptable	Tolerable
	86 000	0.5	4.9	1.9	30	7.4	34	18	12	Unacceptable	Tolerable
	86 000	1.4	1.4	6.3	44	7.7	86	27	34	Unacceptable	Tolerable

**SIA15**

S26.23387 / E27.81792

Tributary of Klip River, Zembe Rd. Dobsonville

	180 000	0.5	27.0	0.5	54	8.1	32	47	72	Unacceptable	Acceptable
	68 000	0.5	4.9	4.9	72	7.6	32	42	100	Unacceptable	Tolerable
	4 800	0.5	23.0	6.1	67	7.6	40	42	110	Unacceptable	Tolerable
	54 000	0.5	5.8	6.1	44	7.9	31	28	51	Unacceptable	Acceptable

**SIA19**

S26.25443 / E27.94178

Balleyspruit at Diepkloof, Immink Street

	2 400 000	1.4	0.5	9.0	55	7.0	1443	50	50	Unacceptable	Tolerable
	1 600 000	1.5	5.7	8.5	190	7.0	290	390	35	Unacceptable	Unacceptable
	2 400 000	5.0	0.5	13.0	65	7.2	320	87	87	Unacceptable	Tolerable
	2 400 000	1.1	0.5	9.2	57	7.3	300	33	34	Unacceptable	Tolerable

**SIA20**

S26.25443 / E27.92860

Diepkloofspruit above Orlando Dam.

	31 000	0.5	1.5	0.5	33	7.9	39	31	15	Unacceptable	Acceptable
	920 000	1.0	1.8	7.7	50	7.2	120	32	22	Unacceptable	Tolerable
	3 300	0.5	2.4	0.5	35	7.7	36	27	9	Unacceptable	Acceptable
	500 000	1.5	1.5	1.7	41	7.7	51	28	79	Unacceptable	Tolerable

**SIA3** S26.27875 / E27.84042

Tributary of Klip River, Alekhine Rd. Protea

	140 000	1.4	37.0	8.1	59	7.6	110	47	53	Unacceptable	Unacceptable
	780 000	0.9	6.0	6.7	61	7.4	94	41	51	Unacceptable	Tolerable
	1 600 000	1.3	4.9	14.0	68	7.6	150	47	46	Unacceptable	Tolerable
	1 700 000	0.5	0.7	7.8	52	7.7	90	33	37	Unacceptable	Tolerable

**SIA4**

S26.22435 / E27.83712

Klip River, Mohajane St Dobsonville Gardens

	11 000	0.5	31.0	0.5	55	8.0	32	39	95	Unacceptable	Acceptable
	11 000	1.1	12.0	10.0	71	7.9	47	37	290	Unacceptable	Unacceptable
	59 000	0.6	4.4	6.0	37	7.8	49	42	110	Unacceptable	Tolerable
	37 000	0.5	5.5	0.5	45	7.9	37	28	54	Unacceptable	Acceptable

February 2013 - April 2013	Ideal
May 2013 - July 2013	Acceptable
August 2013 - October 2013	Tolerable
November 2013 - January	Unacceptable

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**SIA5**

S26.26422 / E27.83950

Klip River above Doornkop

	E.coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiologi- cal Index	Chemical Index
	150 000	0.5	34.0	0.1	47	7.6	36	38	54	Unacceptable	Tolerable
	150 000	1.5	4.5	13.0	63	7.6	33		59	Unacceptable	Tolerable
	1 000	0.5	5.7	3.3	52	7.8	37	41	83	Unacceptable	Tolerable
	11 000	0.5	8.3	0.5	48	7.9		29	63	Unacceptable	Tolerable

**SIA8**

S26.25058 / E27.89137

Tributary of Klipspruit,  
Nancefield Rd, Moroka

	1 600 000	1.3	21.0	8.7	51	7.4	80	35	35	Unacceptable	Unacceptable
	1 600 000	0.7	9.3	4.0	49	7.3	90	38	180	Unacceptable	Tolerable
	850 000	1.1		16.0	50	7.4	84	30	23	Unacceptable	Tolerable
	1 300 000	0.7	0.6	9.5	48	7.7	75	28	62	Unacceptable	Tolerable

**SIN1**

S26.14710 / E27.85978

Klip R. Tiene Crous Prk,  
Nickelspanner

	1 700	0.7	15.0	2.3	28	6.9	39	25	14	Unacceptable	Tolerable
	10	1.0		2.4	25	7.3	35	29	9	Ideal	Tolerable
	110	0.3	3.7	0.5	20	6.9	59	17	11	Ideal	Acceptable
	660	0.3	2.8	3.5	22	7.0	32	19	18	Unacceptable	Acceptable

**WOUT**

S26.23283 / E28.06040

Wemmer Pan Outlet

	1 500	0.5	41.0	0.5	38	7.6	18	21	110	Unacceptable	Acceptable
	920	0.5	3.0	0.7	38	7.6	30	22	84	Unacceptable	Acceptable
	150	0.3	0.7	0.5	39	8.0	33	20	91	Acceptable	Acceptable
	860	0.3	0.6	0.5	39	7.7	30	20	89	Unacceptable	Acceptable

**WPIN**

S26.22548 / E28.07147

Wemmer Pan Inlet

	26 000	0.5	23.0	0.5	36	7.4	33	22	89	Unacceptable	Acceptable
	98 000	0.5	1.6	0.5	36	7.2	30	16	21	Unacceptable	Acceptable
	6 000	0.5	2.3	0.5	30	7.9	31	18	54	Unacceptable	Acceptable
	9 500	0.5	2.0	0.5	40	7.6	31	33	85	Unacceptable	Acceptable

February 2013 - April 2013	Ideal
May 2013 - July 2013	Acceptable
August 2013 - October 2013	Tolerable
November 2013 - January 2014	Unacceptable