

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



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		E.coli	Phosphate	Nitrate	Ammonia	Conductivity	PH	COD	Chloride	Sulphate	Microbiologic al Index	Chemical Index
BBS3	Silver Lane, Kibler Park	11 000	0.5	5.8	0.5	26	7.7	29	20	24	Unacceptable	Acceptable
		68 000	0.5	2.7	0.5	34	7.7	33	25	37	Unacceptable	Acceptable
		350	0.5	1.8	0.5	31	8.1	29	24	23	Tolerable	Acceptable
BBS4	Fransdaph Str, Mondeur	350	0.6	2.7	0.5	32	8.5	29	25	33	Tolerable	Acceptable
		14 000	0.5	9.9	0.5	28	7.4	33	22	25	Unacceptable	Acceptable
		14 000	0.5	28.0	0.5	35	7.7	43	25	37	Unacceptable	Tolerable
BBS5	Bloubos Spr, Peggy Vera Str, Kibler Park	1 500	0.5	2.1	0.5	30	7.9	29	23	24	Unacceptable	Acceptable
		670	0.6	4.9	0.5	31	8.2	30	32	50	Unacceptable	Acceptable
		8 900	0.5	3.0	0.5	26	7.5	30	20	24	Unacceptable	Acceptable
BPE_G	Bushkoppie Pond Effluent - grab	5 700	0.5	2.2	0.5	35	7.7	33	27	37	Unacceptable	Acceptable
		16 000	0.7	1.8	5.2	39	7.7	90	26	33	Unacceptable	Tolerable
		800	0.5	4.3	0.5	33	8.5	32	28	33	Unacceptable	Acceptable
FD15	Robinson Canal	30	1.2	10.0	0.5	50	7.7	33	52	68	Ideal	Tolerable
		10	1.7	8.8	14.0	58	7.8	35	52	110	Ideal	Tolerable
		10	0.8	11.0	0.6	55	7.8	34	64	86	Ideal	Tolerable
FLOUT	Florida Lake Outlet, Hamberg Rd	20	1.5	9.4	0.6	54	7.6	39	56	73	Ideal	Tolerable
		240 000	0.5	7.1	0.5	55	7.5	29	22	130	Unacceptable	Acceptable
		3 400	0.5	0.7	0.5	23	7.5	29	16	22	Unacceptable	Acceptable
		240	0.5	0.5	0.5	16 000	7.7	29	13	7	Tolerable	Acceptable
		800	0.5	1.6	0.5	17	7.8	31	15	10	Unacceptable	Acceptable
		2 000	0.5	1.5	0.5	20	8.1	32	18	11	Unacceptable	Acceptable

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GFE_G	Goudkoppies Combined Effluent (Grab) and for spill monitoring	230	0.6	3.7	0.5	55	7.8		55	49	Tolerable	
		180	0.7	4.8	14.0	57	7.8		65	85	Acceptable	
		180	1.0	6.2	1.2	63	7.7		65	83	Acceptable	
		290	1.4	4.2	13.0	53	7.7		63	61	Tolerable	
GV1	Glenvista Spruit, Golf Course	84 000	0.5	8.7	0.5	79	7.5	29	27	37	Unacceptable	Acceptable
		2 900	0.5	2.4	0.5	40	8.0	29	29	54	Unacceptable	Acceptable
		2 800	0.5	3.2	0.5	37	7.8	29	30	39	Unacceptable	Acceptable
		2 200	0.5	1.8	0.5	35	8.4	29	25	37	Unacceptable	Acceptable
GV2	Glenvista Spruit, Cnr Bellairs/Joubcher	12 000	0.5	3.6	0.5	29	7.6	29	23	29	Unacceptable	Acceptable
		1 500	0.5	0.8	0.5	38	8.1	30	24	40	Unacceptable	Acceptable
		4 000	0.5	2.3	0.5	38	8.1	29	25	29	Unacceptable	Acceptable
		350	0.5	10.0	0.5	33	8.5	29	33	49	Tolerable	Acceptable
H2	Harington Spruit at Union Rd, Eldorado	26 000	0.9	3.9	0.5	53	8.2	38	53	50	Unacceptable	Acceptable
		51 000	1.5	6.7	14.0	59	7.6	48	65	56	Unacceptable	Tolerable
		37 000	0.9	7.6	1.3	61	7.7	55	68	57	Unacceptable	Tolerable
		31 000	2.2	4.1	13.0	56	7.6	57	58	61	Unacceptable	Tolerable
H4	Harington Spruit at Golden Highway	110 000	0.6	3.6	0.5	56	9.1	40	52	49	Unacceptable	Tolerable
		43 000	0.6	3.7	14.0	55	8.0	52	61	57	Unacceptable	Tolerable
		10 000	1.0	7.5	0.8	56	7.8	50	62	56	Unacceptable	Tolerable
		41 000	1.4	5.9	0.5	54	7.7	52	59	62	Unacceptable	Tolerable
HS1	Hamber St Hammerkop Bird Sanctuary Westlake Rd	10 000	0.5	2.8	0.5	25	7.2	35	14	26	Unacceptable	Acceptable
		440	0.5	0.6	0.5	19 000	7.5	33	17	7	Unacceptable	Acceptable

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		110	0.7	2.2	0.5	21	7.5	29	18	13	Ideal	Acceptable
IN3	Klip Sp at Brg Behind Mosque, Maroela St	1800	0.5	1.6	0.5	41	7.5	50	22	59	Unacceptable	Acceptable
		830 000	0.7	5.0	0.5	48	7.5	150	37	61	Unacceptable	Tolerable
		140 000	0.5	2.0	0.5	50	7.4	56	39	24	Unacceptable	Acceptable
		890 000	1.2	3.1	10.0	56	7.0	150	40	42	Unacceptable	Tolerable
		#####	0.8	10.0	0.8	46	7.1	95	44	26	Unacceptable	Tolerable
KR1	Klipspruit, Cnr Klipspruit Valley & Kumalo	920 000	0.5	8.2	1.1	53	6.4	120	26	92	Unacceptable	Tolerable
		#####	0.5	8.2	5.3	54	7.1	180	39	89	Unacceptable	Tolerable
		#####	2.2	2.9	18.0	70	7.1	230	45	86	Unacceptable	Tolerable
		#####	1.2	18.0	8.2	68	7.0	250	48	63	Unacceptable	Unacceptable
KR10	Olifantsvlei Causeway, upstream of pond discharge	52 000	0.7	9.3	0.7	51	7.5	31	29	98	Unacceptable	Tolerable
		180 000	0.6	13.0	0.9	59	7.4	61	36	70	Unacceptable	Tolerable
		210 000	0.7	6.1	7.3	63	7.5	76	42	79	Unacceptable	Tolerable
		630 000	0.8	6.3	3.3	57	7.4	88	37	66	Unacceptable	Tolerable
KR11	Klip River - Van Der Bijl Road	13 000	0.5	4.1	0.5	49	7.7	30	33	76	Unacceptable	Acceptable
		48 000	0.9	6.7	0.5	54	7.5	40	43	69	Unacceptable	Tolerable
		46 000	0.6	15.0	2.7	57	7.7	39	44	68	Unacceptable	Tolerable
		73 000	0.7	6.0	0.9	52	7.7	42	43	67	Unacceptable	Tolerable
KR12	Klipspruit Cnr Klipspruit Valley & Old Potch	860 000	0.5	5.8	1.1	41	6.5	56	21	100	Unacceptable	Tolerable
		#####	0.5	9.3	4.0	59	7.2	120	35	77	Unacceptable	Tolerable
		810 000	0.8	2.5	6.6	61	7.1	210	45	71	Unacceptable	Tolerable
		#####	0.6	11.0	9.0	60	7.3	170	36	64	Unacceptable	Tolerable

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		E coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiologic # Index	Chemical Index
KR13	Klip River, R41 Before Corlett Av Intersection	8 200	0.5	1.9	0.5	32	7.2	30	17	57	Unacceptable	Acceptable
		200	0.5	0.5	0.5	33	7.7	29	21	44	Acceptable	Acceptable
		30	0.5	4.6	0.6	38	7.6	29	22	88	Ideal	Tolerable
		8 100	0.7	1.0	0.5	40	7.3	61	23	66	Unacceptable	Acceptable
KR14	Klip River, Alpha Cement Service Rd, off R41	8 900	0.5	17.0	1.4	92	6.6	31	27	690	Unacceptable	Tolerable
		280	0.5	13.0	0.5	98	7.0	53	38	500	Tolerable	Tolerable
		1 600	0.5	20.0	0.5	79	6.6	29	31	640	Unacceptable	Acceptable
		4 600	0.5	0.5	0.5	23	7.1	29	17	10	Unacceptable	Acceptable
KR15	Klip River, Lerabong Settlement, Roodepoort Est	1 500	0.5	0.5	0.5	22	7.5	29	13	63	Unacceptable	Acceptable
		160	0.5	2.7	0.5	29	7.7	29	23	21	Acceptable	Acceptable
		20	0.5	6.4	0.5	28	7.3	29	27	11	Ideal	Acceptable
		2 100	0.5	8.3	0.5	22	7.3	29	16	27	Unacceptable	Acceptable
KR2	Klipspruit, Cnr Klipspruit Valley /Klipspruit West	41 000	0.5	4.8	0.5	46	7.4	52	24	68	Unacceptable	Acceptable
		450 000	0.5	5.5	4.3	49	7.5	63	34	47	Unacceptable	Tolerable
		2 000	0.5	8.2	2.7	60	7.2	48	37	110	Unacceptable	Tolerable
		240 000	1.0	10.0	8.3	58	7.5	120	39	70	Unacceptable	Tolerable
KR4	Klip River, Living Waters Upstream of Haningtonspruit	10 000	0.5	13.0	0.5	50	6.8	29	33	84	Unacceptable	Tolerable
		13 000	0.6	7.8	0.5	58	7.3	40	36	67	Unacceptable	Tolerable
		32 000	0.7	2.0	4.0	62	7.3	200	34	71	Unacceptable	Tolerable
		140 000	1.2	15.0	2.5	61	7.5	66	43	64	Unacceptable	Tolerable
KR5	Haningtonspruit Above Klip River	68 000	1.3	9.0	0.5	59	7.9	43	50	65	Unacceptable	Tolerable
		7 300	1.1	7.2	14.0	57	7.7	44	61	75	Unacceptable	Unacceptable

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KR6	Klip River near Lido Hotel off R554	20 000	0.8	13.0	0.7	59	7.8	43	51	71	Unacceptable	Tolerable
		14 000	1.8	8.7	0.5	54	7.6	45	59	70	Unacceptable	Tolerable
		8 600	0.7	14.0	1.2	51	6.8	32	29	72	Unacceptable	Tolerable
		22 000	0.7	7.6	0.5	57	7.4	44	44	65	Unacceptable	Tolerable
KR7	Klip River, R550 Johannesburg Border	2 500	0.6	5.5	0.9	58	7.2	140	41	76	Unacceptable	Tolerable
		12 000	1.4	8.0	1.1	60	7.3	62	30	87	Unacceptable	Tolerable
		86 000	0.5	14.0	0.5	50	7.1	32	29	150	Unacceptable	Tolerable
		43 000	0.6	5.8	0.5	55	7.5	36	45	74	Unacceptable	Tolerable
KR8	Klip River, Lenasia Country Club	8 700	0.6	7.6	0.5	58	7.5	34	47	53	Unacceptable	Tolerable
		5 700	1.1	13.0	0.7	57	7.5	39	42	99	Unacceptable	Tolerable
		10 000	0.5	5.8	0.5	45	7.5	29	19	96	Unacceptable	Acceptable
		120 000	0.5	1.4	0.5	54	7.3	39	31	69	Unacceptable	Acceptable
LR1	Len Ruller Stream, nr Goldham/sauer St Fla	630	0.9	4.1	0.5	60	7.6	30	27	84	Unacceptable	Tolerable
		5 600	0.7	2.0	0.5	56	7.5	37	25	74	Unacceptable	Acceptable
		28 000	0.5	2.8	0.5	5 049	7.0	29	15	12	Unacceptable	Acceptable
		2 800	0.5	2.1	0.5	92 000	7.0	33	15	7	Unacceptable	Acceptable
NS1	Natalspuit, Houer Rd below Rosherville Dam	1 900	0.5	3.2	0.5	91	7.0	29	15	10	Unacceptable	Acceptable
		1 400	0.5	1.6	0.5	13	7.7	29	17	26	Unacceptable	Acceptable
		12 000	0.5	2.9	1.0	56	6.9	31	18	200	Unacceptable	Acceptable
		9 400	0.5	18.0	1.2	72	7.5	36	23	200	Unacceptable	Tolerable
		65 000	0.5	31.0	1.7	57	7.5	37	29	93	Unacceptable	Tolerable
		10 000	0.8	3.3	2.1	40	7.7	34	20	160	Unacceptable	Tolerable

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NS2	Nataispruit, Cr Ouispan/Neale Rds	5 500	0.5	5.2	1.2	66	5.8	33	24	160	Unacceptable	Tolerable
		13 000	0.5	7.9	1.9	70	6.5	37	34	110	Unacceptable	Tolerable
		9 900	1.3	2.9	5.6	73	5.8	37	34	360	Unacceptable	Unacceptable
NS3	Nataispruit, Pauline Smith Cleveland Park	10 000	0.5	2.9	0.9	70	6.8	43	28	200	Unacceptable	Acceptable
		980	0.5	1.5	2.4	68	6.8	44	27	220	Unacceptable	Acceptable
		2 500	0.5	2.3	6.4	74	6.9	34	36	88	Unacceptable	Tolerable
NS5	Nataispruit, Metsp/fayStr	1 200	0.5	4.0	5.4	73	6.0	31	32	330	Unacceptable	Tolerable
		10	0.5	1.6	0.5	55	4.8	29	42	100	Ideal	Acceptable
		0	0.5	1.8	0.5	59	6.1	35	36	220	Ideal	Acceptable
OAD	O	0	0.5	2.5	0.6	65	5.6	29	49	100	Ideal	Tolerable
		10	0.8	3.1	0.6	60	6.5	42	23	220	Ideal	Tolerable
		#####	0.7	13.0	7.8	59	7.0	140	63	31	Unacceptable	Tolerable
OPE_G	Olifantsvlei Pond Effluent - grab	#####	1.3	13.0	6.3	56	7.5	190	41	33	Unacceptable	Unacceptable
		#####	2.0	2.6	21.0	70	7.1	370	55	35	Unacceptable	Tolerable
		#####	3.0	7.8	12.0	67	7.6	320	39	33	Unacceptable	Unacceptable
RP1	Russell Stream, Lake Rd, Booysens	70	0.5	3.9	0.5	46	8.1		46	54	Ideal	
		10	0.5	5.0	0.5	53	8.2		53	67	Ideal	
		20	0.5	8.9	0.5	55	8.1		52	66	Ideal	
RP2	Russell Stream - Crown Mines	10	0.6	4.7	0.5	49	8.4		42	72	Ideal	
		#####	0.5		5.8	71	7.4	150	56	140	Unacceptable	
		120 000	0.5	8.8	2.0	59	5.9	63	29	150	Unacceptable	Tolerable
		920 000	0.5	5.2	0.5	60	6.7	100	28	130	Unacceptable	Acceptable

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RS4	Rietspruit Weggevonden	#####	0.7	0.8	17.0	90	6.6	280	51	150	Unacceptable	Tolerable
		#####	0.5	11.0	4.9	64	6.8	150	40	83	Unacceptable	Tolerable
		40	0.5	2.0	0.5	21	7.3	38	21	39	Ideal	Acceptable
		4 800	0.5	3.9	0.5	56	7.9	92	24	110	Unacceptable	Acceptable
SA1	Downstream of Moroka Dam	400	0.5	2.9	0.5	34	7.1	30	27	11	Unacceptable	Acceptable
		30	0.5	11.0	0.5	53	7.9	30	29	28	Ideal	Tolerable
		14 000	0.5	5.0	0.5	35	7.5	45	20	21	Unacceptable	Acceptable
		6 700	0.5	10.0	2.6	44	7.6	61	22	39	Unacceptable	Tolerable
SA12	Klipspruit - Mzimhlope Womens Hostel	2 600	0.8	4.8	1.1	50	7.9	56	31	60	Unacceptable	Tolerable
		450 000	0.9	17.0	5.0	57	7.5	92	35	53	Unacceptable	Tolerable
		#####	0.5	5.1	1.3	55	6.4	130	21	82	Unacceptable	Tolerable
		#####	0.5	17.0	3.7	64	7.1	170	34	89	Unacceptable	Tolerable
SA13	Tributary of Klipspruit from Dube at Bridge below Bowl	730 000	0.7	2.3	12.0	69	6.9	270	44	160	Unacceptable	Tolerable
		680 000	1.1	6.3	6.7	68	7.2	330	36	32	Unacceptable	Tolerable
		350 000	1.1	19.0	7.5	40	7.3	66	32	32	Unacceptable	Unacceptable
		620 000	0.7	3.2	5.0	35	7.5	30	20	41	Unacceptable	Tolerable
SA15	Tributary of Klip River, Zembe Rd. Dobsonville	140 000	0.6	7.8	2.7	34	7.3	63	20	16	Unacceptable	Tolerable
		7 900	1.7	12.0	0.8	30	7.6	30	33	30	Unacceptable	Tolerable
		39 000	0.5	8.1	1.3	49	7.0	30	26	130	Unacceptable	Tolerable
		140 000	0.5	10.0	0.5	71	7.6	150	35	97	Unacceptable	Tolerable
	#####	1.9	36.0	14.0	63	7.5	97	46	50	Unacceptable	Unacceptable	
	#####	1.1	8.3	5.7	73	7.8	97	37	150	Unacceptable	Unacceptable	

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SIA19	Baileyspruit at Diepkloof, Immink Street	#####	1.0	1.7	8.8	59	6.5	210	44	42	Unacceptable	Tolerable
		#####	1.3	6.5	11.0	58	7.2	210	57	50	Unacceptable	Tolerable
		#####	1.1	0.9	13.0	62	7.1	240	53	31	Unacceptable	Tolerable
		#####	1.3	4.0	6.9	59	7.3	250	47	27	Unacceptable	Tolerable
SIA2	Upstream Of Moroka Dam	7 000	0.5	11.0	0.9	36	7.0	45	17	28	Unacceptable	Tolerable
		6 500	0.5	10.0	2.1	44	7.6	44	22	39	Unacceptable	Tolerable
		1 400	0.5	5.5	0.8	51	8.1	50	31	30	Unacceptable	Tolerable
		750 000	2.8	17.0	12.0	61	8.0	99	39	61	Unacceptable	Unacceptable
SIA20	Diepkloofspruit above Orlando Dam.	82 000	0.5	1.5	0.5	32	7.4	87	23	14	Unacceptable	Acceptable
		32 000	0.5	1.5	0.5	32	7.8	46	23	55	Unacceptable	Acceptable
		11 000	0.6	2.6	0.5	34	7.7	32	24	14	Unacceptable	Acceptable
		3 500	0.9	2.9	2.1	37	7.8	96	30	23	Unacceptable	Tolerable
SIA3	Tributary of Klip River, Aekhine Rd. Protea	1 000	0.5	8.6	0.5	31	7.6	29	28	13	Unacceptable	Acceptable
		480 000	1.0	13.0	0.5	52	7.4	49	35	31	Unacceptable	Tolerable
		73 000	0.5	7.1	1.1	49	7.3	40	42	47	Unacceptable	Tolerable
SIA4	Klip River, Mohajane St Dobsonville Gardens	910 000	0.8	14.0	2.3	48	7.4	66	37	43	Unacceptable	Tolerable
		12 000	0.5	10.0	1.1	63	7.0	34	22	140	Unacceptable	Tolerable
		69 000	0.5	7.6	0.5	70	7.8	38	38	130	Unacceptable	Acceptable
SIA5	Klip River above Doornkop	910 000	1.1	70.0	7.6	75	7.5	70	43	47	Unacceptable	Unacceptable
		890 000	1.1	17.0	3.1	74	7.7	88	37	160	Unacceptable	Tolerable
		530 000	0.6	18.0	0.6	62	7.1	50	29	77	Unacceptable	Tolerable
		#####	0.8	18.0	0.5	60	7.5	74	39	140	Unacceptable	Tolerable

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SIA8	Tributary of Klipspruit, Nancefield Rd, Moroka	830 000	0.9	7.4	6.1	76	7.4	66	39	82	Unacceptable	Tolerable
		#####	1.0	9.5	5.0	63	8.0	74	42	61	Unacceptable	Tolerable
		450 000	1.0	24.0	1.0	33	7.0	35	23	56	Unacceptable	Tolerable
		650 000	0.7	9.0	0.5	39	7.4	85	22	22	Unacceptable	Tolerable
SIA9	Klipspruit, Mzilikazi Rd, Moroka	180 000	1.4	12.0	1.4	38	7.4	38	24	42	Unacceptable	Tolerable
		350 000	1.2	3.8	3.0	42	7.7	52	32	31	Unacceptable	Tolerable
		#####	0.8	10.0	6.3	50	7.2	120	29	27	Unacceptable	Tolerable
		#####	1.8	8.8	15.0	58	7.2	230	33	43	Unacceptable	Unacceptable
SIN1	Klip R. Tiene Crous Prik, Nickelspanner	#####	2.3	2.3	20.0	64	7.3	190	43	38	Unacceptable	Tolerable
		#####	1.1	13.0	9.0	70	7.4	160	41	65	Unacceptable	Unacceptable
		9 500	0.5	3.4	0.6	26	7.0	320	20	43	Unacceptable	Acceptable
		100	0.5	4.9	0.5	24	7.2	63	29	14	Ideal	Acceptable
SIN2	Klip River, Duikant Str, Rdpt West	280	0.5	13.0	0.5	23	6.8	30	19	17	Tolerable	Acceptable
		410	0.5	2.3	0.5	23	7.3	29	18	14	Unacceptable	Acceptable
		630	0.5	4.7	0.5	26	7.4	29	15	22	Unacceptable	Acceptable
		30	0.5	3.1	0.5	65	8.2	98	17	11	Ideal	Acceptable
WOUT	Wemmer Pan Outlet	800	0.5	11.0	0.6	23	7.8	29	13	11	Unacceptable	Tolerable
		0	1.0	11.0	0.5	22	8.1	33	19	23	Ideal	Tolerable
		1 300	0.5	2.7	0.8	47	7.3	30	25	91	Unacceptable	Acceptable
		1 900	0.5	1.0	0.5	48	7.5	35	20	130	Unacceptable	Acceptable
		390	0.5	3.7	0.5	51	7.8	29	27	87	Tolerable	Acceptable
		8 000	0.6	11.0	0.5	52	7.7	29	26	150	Unacceptable	Tolerable

November 2014 - January 2015	Ideal
February 2015 - April 2015	Acceptable
May 2015 - July 2015	Tolerable
August 2015 - October 2015	Unacceptable

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



a world class African city

WFIN Wemmer Pan Inlet

	E coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiologic all Index	Chemical Index
	21 000	0.5	2.2	0.8	40	7.3	33	19	51	Unacceptable	Acceptable
	5 800	0.5	0.9	0.5	49	7.5	39	22	130	Unacceptable	Acceptable
	150	0.5	6.5	0.5	32	7.8	29	21	43	Acceptable	Acceptable
	870	0.7	2.1	0.5	38	7.6	32	21	83	Unacceptable	Acceptable

November 2014 - January 2015	Ideal
February 2015 - April 2015	Acceptable
May 2015 - July 2015	Tolerable
August 2015 - October 2015	Unacceptable