

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



		E. coli	Phosphate	Nitrate	Ammonia	Conductivity	pH	COD	Chloride	Sulphate	Microbiological Index	Chemical Index
BBS3	Silver Lane, Kibler Park	2,300	0.5	2.4	0.5	33	7.7	29	26	35	Unacceptable	Acceptable
		8,400	0.5	1.1	0.5	28	8.2	29	22	40	Unacceptable	Acceptable
		50	0.5	1.0	0.5	30	8.2	29	22	30	Ideal	Acceptable
		2,300	0.5	1.1	0.5	28	7.9	29	23	38	Unacceptable	Acceptable
BPE_G	Bushkoppie Pond Effluent - grab	200	0.7	6.3	0.7	46	7.7	30	41	65	Tolerable	Tolerable
		140	0.6	7.3	0.6	49	7.7	29	43	63	Acceptable	Tolerable
		450	0.9	6.5	0.8	52	7.6	32	47	62	Unacceptable	Tolerable
		80	0.6	7.6	0.9	48	7.5	33	42	57	Ideal	Tolerable
FLOUT	Florida Lake Outlet, Hamberg Rd	920	0.5	0.5	0.5	19	7.6	29	17	24	Unacceptable	Acceptable
		50	0.5	0.5	0.5	18	7.4	45	17	10	Ideal	Acceptable
		110	0.5	0.5	0.5	20	8.0	32	18	40	Ideal	Acceptable
		150	0.5	0.5	0.5	20	7.7	30	19	17	Acceptable	Acceptable
GFE_G	Goudkoppies Combined Effluent (Grab)and for spill monitoring	1,500	2.4	4.3	10.0	65	7.6	38	60	66	Unacceptable	Tolerable
		1,700	1.7	12.0	10.0	70	7.8	41	66	65	Unacceptable	Unacceptable
		2,400	3.0	9.7	10.0	78	7.7	43	54	57	Unacceptable	Unacceptable
		2,400	1.9	6.8	17.0	72	7.2	42	52	54	Unacceptable	Tolerable
GV2	Glenvista Spruit, Cnr Bellairs/loubcher	1,600	0.5	1.2	0.5	32	7.9	29	21	30	Unacceptable	Acceptable
		640	0.5	1.2	0.5	39	8.1	29	27	54	Unacceptable	Acceptable
		450	0.5	0.8	0.5	40	8.3	29	30	47	Unacceptable	Acceptable
		11,000	0.5	2.0	0.5	38	7.6	29	28	51	Unacceptable	Acceptable
HS1	Hamber St Hammerkop Bird Sanctuary Westlake Rd	9,300	0.5	0.5	0.5	43	7.5	36	12	9	Unacceptable	Acceptable
		3,800	0.5	0.5	0.5	20	7.1	65	17	12	Unacceptable	Acceptable
		80	0.5	0.5	0.5	21	7.4	43	18	24	Ideal	Acceptable
		6,900	0.5	0.8	0.5	19	7.9	43	17	17	Unacceptable	Acceptable
KR2	Klipspruit, Cnr Klipspruit Valley / Klipspruit West	240,000	1.0	2.4	8.8	53	7.3	120	30	65	Unacceptable	Tolerable
		99,000	0.7	3.3	5.3	51	7.4	70	30	63	Unacceptable	Tolerable
		300	0.5	4.9	0.5	60	7.6	49	34	65	Tolerable	Acceptable
		240,000	0.5	12.0	0.5	68	6.7	46	40	270	Unacceptable	Tolerable

January 2019 - March 2019	Ideal
April 2019 - June 2019	Acceptable
July 2019 - September 2019	Tolerable
October 2019 - December 2019	Unacceptable

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KR7	Klip River, R550 Johannesburg Border	5,500	0.5	5.7	0.5	48	7.2	37	36	77	Unacceptable	Tolerable
		6,300	0.5	7.1	0.5	51		34	41	77	Unacceptable	Tolerable
		3,100	0.9	9.0	1.0	55	7.2	47	47	61	Unacceptable	Tolerable
		43,000	0.8	6.3	2.9	54	7.5	50	39	84	Unacceptable	Tolerable
NS5	Natalsspruit, Metsep/ray Str	10,000	0.5	1.1	0.6	55	6.9	85	67	110	Unacceptable	Acceptable
		8,000	0.5	1.3	0.7	53	6.7	44	28	160	Unacceptable	Acceptable
		60	0.5	1.2	0.5	48	6.9	36	24	170	Ideal	Acceptable
		1,200	0.5	0.6	0.7	53	6.7	76	42	140	Unacceptable	Acceptable
OAD	Orlando Dam Outlet	1,100,000	0.5	5.7	1.8	40	7.5	34	31	36	Unacceptable	Tolerable
		190,000	0.5	6.0	1.3	41	7.7	42	33	42	Unacceptable	Tolerable
		1,700,000	2.4	2.6	23.0	72	7.5	210	56	45	Unacceptable	Tolerable
		2,400,000	1.7	2.2	15.0	63	7.4	150	43	61	Unacceptable	Tolerable
OPE_G	Olifantsvlei Pond Effluent - grab	60	0.5	3.0	0.7	49	8.5	30	46	73	Ideal	Acceptable
		90	0.5	4.6	0.5	53	8.2	30	50	69	Ideal	Acceptable
		30	0.7	3.7	2.0	55	8.5	33	53	69	Ideal	Tolerable
		10	0.7	3.7	0.6	53	8.2	34	50	69	Ideal	Tolerable
PIN1	Klip River, Fearick Str, Davidsonville	800	0.5	1.1	2.6	180	3.2	29	21	1100	Unacceptable	Tolerable
		0	0.5	0.8	3.0	380	2.9	42	28	1100	Ideal	Tolerable
		0	0.5	0.5	2.6	360	2.9	33	32	3500	Ideal	Tolerable
		0	0.5	0.5	1.8	370	3.0	29	40	1500	Ideal	Tolerable
RP1	Russell Stream, Lake Rd, Booyens	2,000,000	0.5	1.1	5.5	77	6.6	57	53	510	Unacceptable	Tolerable
		170,000	0.5	0.5	7.2	54	7.0	76	34	140	Unacceptable	Tolerable
		280,000	0.5	4.4	9.3	93	6.5	120	45	330	Unacceptable	Tolerable
		480,000	0.5	8.0	2.7	59	7.1	49	50	150	Unacceptable	Tolerable
RP3	Russell Stream, Nasrec Rd, Riverlea	2,400,000	0.5	1.1	8.8	73	7.1	57	42	130	Unacceptable	Tolerable
		2,000,000	0.5	0.5	19.0	67	7.2	150	40	130	Unacceptable	Tolerable
		1,500,000	0.6	0.5	8.7	45	6.9	98	36	43	Unacceptable	Tolerable
		1,200,000	0.5	1.5	2.2	42	6.7	140	32	37	Unacceptable	Acceptable

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SIA19	Baileyspruit at Diepkloof, Immink Street	920,000	0.7	2.8	3.4	39	7.3	93	33	29	Unacceptable	Tolerable
		890,000	1.4	3.0	7.9	53	7.3	480	54	43	Unacceptable	Tolerable
		830,000	1.0	4.0	4.5	55	7.5	66	57	67	Unacceptable	Tolerable
		1,300,000	0.6	3.4	3.3	46	7.4	41	36	56	Unacceptable	Tolerable
SIA20	Diepkloofspruit above Orlando Dam.	87,000	0.6	2.7	0.5	29	7.5	31	22	19	Unacceptable	Acceptable
		110,000	0.5	3.0	1.8	33	7.4	37	23	21	Unacceptable	Acceptable
		57,000	0.6	3.0	1.6	34	7.4	31	27	22	Unacceptable	Tolerable
		84,000	0.5	2.9	1.5	33	7.3	30	27	27	Unacceptable	Acceptable
SIA3	Tributary of Klip River, Alekhine Rd. Protea	2,400,000	2.1	1.2	13.0	63	7.6	75	39	48	Unacceptable	Tolerable
		820,000	0.7	3.2	5.3	51	7.5	72	30	67	Unacceptable	Tolerable
		1,700,000	2.5	4.7	27.0	62	7.5	220	48	32	Unacceptable	Tolerable
		2,400,000	2.0	4.3	25.0	73	7.4	210	49	69	Unacceptable	Tolerable
SIN1	Klip R. Tiene Crous Prk, Nickelspanner	5,600	0.5	2.6	0.5	15	7.2	29	14	41	Unacceptable	Acceptable
		13,000	0.5	2.3	3.4	25	6.8	41	21	21	Unacceptable	Tolerable
		1,000	0.9	2.4	7.0	22	6.7	94	23	36	Unacceptable	Tolerable
		5,800	1.0	1.3	6.5	42	7.1	2040	45	250	Unacceptable	Tolerable
SIN2	Klip River, Buitekant Str, Rdpt West	86,000	1.2	0.6	7.0	31	7.3	74	17	18	Unacceptable	Tolerable
		31,000	0.5	2.3	0.5	55	7.3	50	19	45	Unacceptable	Acceptable
		3,700	0.5	3.2	0.5	44	7.7	64	18	37	Unacceptable	Acceptable
		14,000	0.5	2.2	0.5	42	7.7	29	19	34	Unacceptable	Acceptable
WOUT	Wemmer Pan Outlet	520	0.5	0.6	0.5	50	7.6	29	21	130	Unacceptable	Acceptable
		10,000	0.5	0.6	0.5	52	8.0	29	21	160	Unacceptable	Acceptable
		1,200	0.5	1.2	0.5	56	8.2	35	22	100	Unacceptable	Acceptable
		1,000	0.5	1.0	1.7	55	7.9	37	31	130	Unacceptable	Acceptable

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