

Department: Water and Sanitation
 Quarterly Water Quality Status of the Klip River Catchment

1 Jul - 30 Sep 2019



Sample Points	Sample Point Description	Aluminium	Ammonia	Chemical Oxygen Demand	Chloride	Conductivity	Daphnia Toxicity	Dissolved Oxygen	E. coli	Fluoride	Iron	Magnesium	Manganese	Nitrate	pH	Phosphate	Sodium	Sulphate	Suspended Solids
1	Russel Stream @ New Canada Road 26°12'40.00"S 27° 57'07.00"E	0.05	5.3	20	34	45			1,080		0.08	12		1.61	7.4	0.02	35	60	20
		0.05	32.3	369	49	72			6,000,000		0.19	14		0.01	7.3	2.45	58	48	111
2	Klip River @ R41 26°10'33.55"S 27° 49'04.20"E	0.05	5.3	20	34	44			200		0.08	10		2.07	7.4	0.02	35	59	20
3	Klip River @ N12 d/s EP 26°18'10.00"S 27° 54'08.00"E	0.05	0.3	20	51	50			22					1.93	7.7	6.34		50	68
		0.05	29.9	66	54	68			59,000					1.73	7.7	9.52	61	51	39
		0.05	5.0	20	27	55			330		0.05		1.27	0.50	7.8	1.26	46	40	20
4	Harringtonspruit @ N12 s/s EP 26°19'14.00"S 27° 56'20.00"E		0.6	20	39	45			570			15		7.87	7.4	0.93	50	55	20
			1.0	20	42	43			1			12		6.80	7.5	1.10	45	55	20
			0.7	20	44	45			11			9		7.78	7.7	1.08	51	55	20
5	Klip River @ Golden Highway 26°20'12.00"S 27° 54'12.00"E		1.5	20	47	51			1,450					4.42	7.7	0.27	55	68	20
			1.5	20	48	49			0					4.39	7.7	0.35	58	65	20
			9.3	47	40	59			280,000					0.50	7.7	2.26	49	94	20
6	Klip River @ R84 on Old Vereeniging Road 26°19'28.00"S 27° 59'09.00"E	0.05	5.8	108	43	53			400		0.05		0.39	3.93	7.5	1.28	49	62	193
		0.05	7.1	39	43	51			9,600		0.05		0.18	5.22	7.5	2.08	51	58	37
		0.01	12.4	109	42	55			28,000		0.05		0.51	1.69	7.5	2.26	5	69	88
7	Klip River @ R59 26°24'5.90"S 28° 4'47.88"E	0.05	3.6	28	43	47			2,900		0.05	23		6.92	7.3	1.48	71	68	35
		0.05	4.1	20	44	51			150		0.05	13		7.03	7.4	2.09	52	59	45
		0.05	7.0	56	46	53			570		0.05	13		4.19	7.5	2.39	54	53	58
8	Elsburgspruit @ Brug Road 26°14'58.46"S 28°12'15.83"E		11.0	75	86	332			114,000		0.05	141		1.72	7.0	0.61	157	1,750	71
			3.4	54	68	255			230,000		0.06	143		0.52	7.0	0.10	145	1,550	26
			7.7	68	78	394			56,000		0.06	128		0.13	6.9	0.91	155	1,810	41
9	Elsburgspruit @ R554 u/s of confluence with Natsalspruit 26°17'31.66"S 28°10'9.24"E	0.05	0.4	20	80	330			200		0.05	13		0.13	7.4	0.12	45	1,500	20
		0.05	0.1	20	82	350			6		0.05	119		0.13	7.4	0.31	151	1,490	20
		0.05	0.0	20	70	227			39		0.05	116		0.13	7.5	0.26	146	1,320	20
10	Rietspruit south of Waterval WWTW 26°26'53.76"S 28° 5'37.26"E	0.05	3.2	20		117			360			47		4.55	7.5	0.13		477	20
		0.05	3.0	20		128			58					4.29	7.4	1.30		511	67
		0.05	2.7	22		136			220			54		3.79	7.6	1.06			20
11	Klip River @ Kareekloof 26°27'13.87"S 28° 05'07.56"E	0.05	3.7	20	58	74			1,600	0.18	0.05	47		6.18	7.3	1.16	79	190	27
		0.05	4.0	20	55	76			2	0.19	0.05	23		4.80	7.5	1.82	68	183	33
		0.05	6.5	55	64	88			36	0.21	0.05	26		3.61	7.6	0.68	77	223	36
12	Klip River @ Henley weir 26°32'58.38"S 28° 03'52.55"E		4.3	31	62	81			2,400		<0,005	23		4.00	7.3	1.14	72	197	21
			5.2	44	58	76			790		<0,05	21		3.90	7.4	1.51	61	186	27
			6.9	64	62	84			1,320		<0,05	24		3.10	7.4	1.80	76	193	46
13	Houtspruit d/s of Mittal Steel 26°40'10.26"S 27°56'33.65"E		9.4	116	32	50			200,000		0.29	17	0.51	<0,13	7.0	0.97	32	49	32
			15.1	148	34	52			340,000		0.70	14	1.19	1.10	7.2	0.98	34	45	71
			15.2	99	31	51			210,000		0.66	13	0.75	<0,13	7.1	3.96	31	36	28
14	Klip River @ Vosloopark 26°40'00.06"S 27°57'27.34"E		4.1	26	60	82			300		<0,05	25	0.31	5.80	7.6	1.17	71	209	<20
			4.1	20	57	76			10,200		<0,05	24	0.36	5.10	7.6	2.25	64	191	<20
			6.2	32	62	83			13,000		<0,05	26	<0,05	4.30	7.5	2.40	73	192	<20
15	Iscoor Vaal @ Dickinson Park 26°41'20.95"S 27°56'05.93"E		2.6	22	52	76			3,800		<0,05	24	0.21	4.90	7.5	0.84	63	200	<20
			2.9	<20	58	80			1,900		<0,05	25	0.25	2.80	7.6	1.99	65	218	<20
			3.9	24	52	75			2,400		<0,05	25	<0,05	3.10	7.8	1.21	63	208	<20

Key

11	Klip River @ Kareekloof 26°27'13.87"S 28° 05'07.56"E	0.05	3.7	- Jul 2019
		0.05	4.0	- Aug 2019
		0.05	6.5	- Sep 2019

Water Quality Guidelines

	- Ideal
	- Acceptable
	- Tolerable
	- Unacceptable