

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

01 Jul - 31 Sep 2017



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°19'28"S 27° 59'09"E	0.02	23.00	195	54	77			690,000		6.30		2.50	0.20	6.9	0.35	68	223	51	
		0.01	28.00	105	51	78			510,000		4.70		2.1	0.2	6.6	4.20	59	138	40	
		0.03	28.00		53	79			2,330,000		1.50		1.4	0.2	7.3	4.10	51	99	56	
2	KlipRiver @ R41 26°18'10"S 27° 54'08"E	0.00	0.10	<10	31	35			110		0.00		0.07	2.80	8.1	0.20	27	112	34	
		0.01	0.10	15	30	39			3,420		0.01		0.06	1.70	7.4	0.20	27	106	14	
		0.02	0.14		32	45			600		0.02		0.06	1.80	7.4	0.20	28	97	6	
3	KlipRiver on N12 d/s EP 26°19'14"S 27° 56'20"E		16.00	91	60	54			66,000					1.10	7.5	2.50	62	60	42	
			6.40	102	71	56			6,300					1.40	7.8	1.50	75	60	70	
			6.70		69	62			54,000					0.43	7.5	3.00	69	58	106	
4	Harringtonsprit on N12s/EP 26°19'14"S 27° 56'20"E		0.95	22	47	40			39					7.20	7.4	0.69	53	67	3	
			3.90	38	50	49			1					5.10	7.3	2.10	62	70	3	
			2.00		49	52			4					4.40	7.8	0.64	59	68	5	
5	KlipRiver on Golden Highway 26°20'12"S 27° 54'12"E		5.00	25	47	47			10,000					2.20	7.3	0.33	52	85	3	
			5.04	34	45	50			37,000					2.50	7.11	0.49	57	68	11	
			4.50		46	57			2,000					1.80	7.8	0.44	46	67	51	
6	KlipRiver on R84, old vereening Road 26°19'28"S 27° 59'09"E	0.00	5.60	38	49	46			460		0.02		0.00	3.30	7.2	0.62	51	74	12	
		0.00	5.40	70	48	51			3,960		0.04			0.01	2.70	7.5	1.10	54	65	54
		0.00	4.50		48	56			330		0.02			0.15	2.40	7.7	0.73	55	64	29
7	Klip River on R59 26°24'06.02"S 28° 04'47.88"E	0.01	0.10	28	47	52			1	0.20	0.00	13		0.26	7.9	0.47	50	80	18	
		0.01	0.22	30	73	160			2,600	0.20	0.08	52		6.00	7.2	0.20	98	615	23	
		0.00	0.10	55	79	59			1	0.20	0.00	54		6.80	7.7	0.20	99	683	17	
8	Elsburgsprit on Brug Road 26°14'57.75"S 28° 12'15.95"E		0.10	62	82	285			5,000	0.20	0.06	110		6.10	7.5	0.20	156	1886	38	
			5.00	175	78	325			2,480,000	0.20	0.15	143		0.20	6.8	0.20	156	1886	114	
			4.90	90	77	250			2,500	0.20	0.18	144		0.20	6.9	0.47	156	2401	11	
9	Elsburgsprit on R554 u/s of confluence with Natalspruit 26°17'32.04"S 28° 10'07.20"E	0.04	0.10	17	35	20			1	0.24	0.00	18		4.30	8.0	0.20	22	166	0	
		0.01	6.60	37	33	55			230,000	0.25	0.23	16		0.83	7.0	0.20	26	136	14	
		0.00	0.34	19	33	52			6	0.20	0.00	16		8.50	6.5	0.20	25	130	11	
10	Waterval 150JR- South of Waterval STW on Rietspruit KlipRiver ,26°26'53.76"S 28° 05'37.41"E	0.00	0.10	37		51			1	0.20		13		9.30	6.5	0.44		81	28	
		0.01	0.22	30		160			2	0.20		51		6.10	7.4	0.20		639	18	
		0.00	0.23	21		158			1	0.20		52		6.60	7.6	0.20		673	17	
11	Klip River on Kareekloof 26°27'13.77"S 28° 05'07.85"E	0.00	0.10	35	61	80			100	0.20	0.00	27		9.50	7.9	0.71	73	207	17	
		0.03	2.30	40	58	93			1,200	0.20	0.13	26		5.30	7.4	0.61	74	220	23	
		0.00	0.10	35	61	93			930	0.20	0.00	25		8.10	7.6	0.53	72	283	41	
12	Klip River @ Henley weir 26°32'.963"S 28° 03'.848"E		2.50	33	60	82			420		0.02			5.40	7.6	0.49	67	205	7	
			1.60	28	58	82			100		0.07	25		6.00	7.7	0.55	72	219	24	
			2.40	40	62	94			470		0.03	25		6.10	7.4	0.68	76	230	15	
13	Houtspruit d/s mittal steel 26°40'.174"S 27° 56'.541"E		3.90	19	24	35			28,800		0.20	12	0.2	0.50	7.8	0.39	22	43	6	
			9.40	44	38	48			290,000		0.20	13	0.33	0.2	7.7	0.90	36	45	7	
			5.20	33	25	37			8,000		0.06	8.8	0.19	0.38	7.3	0.45	23	29	13	
14	Klip River @ Vosloopark 26°40'.088"S 27°57'.356"E		0.87	20	59	84			480		0.11	29	0.05	6.80	7.6	0.51	73	215	4	
			0.70	33	60	83			8,000		0.08	26	0.02	6.70	7.6	0.56	74	224	74	
			0.84	31	62	95			37,800		0.02	27	0.4	7.20	7.4	0.71	76	242	5	
15	Isacor Vaal at Dickson Park 26°41'.338"S 27° 56'.094"E		0.93	21	54	77			4,550		0.20	25	0.02	4.50	7.6	0.37	64	192	11	
			0.64	55	54	79			1,890		0.006	26	0.001	4.20	7.7	0.62	68	219	40	
			1.00	105.00	51	81			256		0.01	23	0.08	4.80	7.2	0.51	64	191	49	

Key

9	Elsburgsprit on R554 u/s of confluence with Natalspruit	0.04	0.10	- July 2017
		0.01	6.60	- Aug 2017
		0.00	0.34	- Sept 2017

Water Quality Guidelines

	- Ideal
	- Acceptable
	- Tolerable
	- Unacceptable