

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

01 Oct - 31 Dec 2018



Sample Points	Sample Point Description	Aluminium	Ammonia	Chemical Oxygen Demand	Chloride	Conductivity	Dephnia 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	0.006	30.00	10	76	60			10,000		1.17	10		0.20	7.5	1.40	71	54	96	
		0.026	18.00	85	36	35.2			216,000		0.43	14		0.20	6.8	0.61	39	37	68	
		0.040	31.00	10	47	34.2			108,000,000		0.83	10		0.29	7.25	0.94	46	39	104	
2	KlipRiver @ R41 26°18'10"S 27° 54'08"E	0.073	3.70	10	35	44			13,000		0.02		0.52	0.89	7.5	0.36	45	49	5	
		0.010	4.20	106	34	33.3			80,000		10.90		7.61	0.20	6.5	0.20	48	5	24	
		0.019	10.00	10	37	32			3,700,000		3.00		2.88	0.20	6.9	0.20	45	48	110	
3	KlipRiver on N12 d/s EP 26°19'14"S 27° 56'20"E		30.00	89	75	65			63,000					0.20	7.4	1.40	75	53	59	
			24.00	31	60	46			2,070					0.44	7.2	1.00	70	47	63	
			31.00	10	65	44			8,000					0.47	7.4	1.70	69	56	35	
4	Harringtonspruit on N12s/s EP 26°19'14"S 27° 56'20"E		4.40	11	39	29			28			11		3.80	7.0	1.20	56	50	3	
			0.26	10	48	32			20			9		5.00	7.6	0.22	55	62	9	
			0.14	10	50	28			60			10		3.60	8.23	0.20	65	75	8	
5	KlipRiver on Golden Highway 26°20'12"S 27° 54'12"E		1.60	10	48	35			1,100					2.00	7.7	0.20	57	67	10	
			1.80	27	39	78			2,300						2.90	7.1	0.21	56	54	6
			2.60	77	47	28			12,600						3.30	7.6	0.24	61	70	11
6	KlipRiver on R84, old vereeniging Road 26°19'28"S 27° 59'09"E	0.002	5.90	15	48	44			6,700		0.02		0.12	3.90	7.6	0.36	53	60	71	
		0.020	5.60	17	40	29			4,320		0.04		6.30	3.40	6.9	0.58	53	1	39	
		0.020	5.90	61	46	31			15,300		0.10		0.26	6.80	7.1	0.35	53	67	72	
7	Klip River on R59 26°24'06.02"S 28° 04'47.88"E	0.002	4.10	10	7528	36			11,700		0.02	13		0.20	7.3	0.34	56	375	110	
		0.003	2.70	16	41	30			1,440		0.02	12		5.80	7.0	0.57	54	51	43	
		0.004	3.30	10	45	30			2,800		0.03	13		7.00	7.4	0.45	52	85	119	
8	Elsburgspruit on Brug Road 26°14'57.75"S 28° 12'15.95"E		2.30	10	6099	157			90,000		0.90	112		0.20	6.9	0.20	143	166	3	
			2.40	30	52	189			8,000		0.04	85		1.60	6.7	0.20	120	841	8	
			4.50	10	54	167			9,900		0.01	67		0.63	7.1	0.20	99	5914	20	
9	Elsburgspruit on R554 u/s of confluencewith Natalspruit 26°17'32.04"S 28° 10'07.20"E	0.001	0.24	10	715	281			117		0.00	98		0.20	7.3	0.20	140	95	11	
		0.001	0.10	10	57	181			210		0.01	82		0.24	7.0	0.20	120	5158	11	
		0.001	0.10	10	50	148			3,430		0.01	59		0.22	7.4	0.20	85	715	12	
10	Waterval 150JR- South of Waterval STW on Rietspruit KlipRiver ,26°26'53.76"S 28° 05'37.41"E	0.001	0.10	10		74			360			36		2.10	7.3	2.20		85	15	
		0.001	0.27	12		74			648			32		4.60	7.0	0.20		262	22	
		0.020	0.10	10		58			2,150			0		2.90	8.1	0.20		320	81	
11	Klip River on Kareekloof 26°27'13.77"S 28° 05'07.85"E	0.001	5.80	10	62	49			600		0.03	19		5.10	7.4	0.59	71	138	48	
		0.001	4.20	19	51	43			2,450		0.02	18		4.70	6.9	0.30	73	96	109	
		0.002	5.20	10	48	44			29,400		0.02	18		4.40	7.4	0.52	58	161	76	
12	Klip River @ Henley weir 26°32'.963"S 28°03'.848"E		4.40	10	50	45			1,300		0.03	17		4.40	7.0	0.38	68	96	62	
			2.70	21	56	55			1,300		0.012	18		5.50	7.1	0.41	64	149	51	
			3.90	10	54	45			9,600		0.02	19		4.80	7.1	0.36	63	167	123	
13	Houtspruit d/s mittal steel 26°40'.174"S 27°56'.541"E	0.050	8.70	53	28	28			1,650,000		1.03	14	1.20	0.20	6.8	0.28	33	42	18	
		0.014	9.40	85	48	53			80,000		0.74	17	1.00	0.20	6.4	0.46	44	140	32	
		0.030	5.50	16	28	21			343,000		1.17	12	0.47	0.20	6.9	0.20	25	53	12	
14	Klip River @ Vosloopark 26°40'.088"S 27°57'.356"E		2.90	52	47	10			4,800		0.01	17	0.06	0.06	7.1	0.37	67	93	22	
			4.20	77	64	57			430		0.01	20	0.20	5.70	6.5	1.60	77	164	33	
			4.18	10	60	44			560		0.03	17	0.00	6.50	7.2	0.61	71	115	43	
15	Isacor Vaal at Dickson Park 26°41'.338"S 27°56'.094"E		3.00	10	48	44			4,800		0.01	19	0.00	4.20	7.4	0.32	64	97	97	
			4.50	11	65	58			44,000		0.00	21	0.00	3.60	6.8	0.48	73	193	16	
			5.85	30	56	41			16,800		0.17	18	0.18	2.50	7.2	0.64	66	114	8	

Key

9	Elsburgspruit on R554 u/s of confluence with Natalspruit	0.001	0.24	- Oct 2019
		0.001	0.10	- Nov 2019
		0.001	0.10	- Dec 2019

Water Quality Guidelines

-	Ideal
-	Acceptable
-	Tolerable
-	Unacceptable