



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	1.75	8.60	27	37	86			108,133		12.70		4.28	0.95	6.7	0.10	29	348	30	
		2.85	7.25	24.5	21	79.5			2150		9.97		3.87	0.55	5.75	0.1	26.2	360	31	
		4.35	3.85	21.5	15.5	62.5			30,000.50		43		3.2	0.85	5.1	0.1	16.95	24.25	55	
		2.14	12.1	33	34	92.33			30,300.00		15.38		4.2	2.5	6.5	0.1	32	281	37	
2	KlipRiver @ R41 26°18'10"S 27° 54'08"E	1.45	0.15	85	24	49			122		2.44		0.07	1.15	6.8	0.10	27	176	2921	
		0.5	0.5	16.5	10.01	44			65		0.62		0.11	0.45	7.3	0.1	17.25	159	2724	
		0.45	0.45	19	22	30			1,555		0.7		0.15	0.55	7.5	0.1	16.95	55	427	
		0.34	0.5	23.6	20	33.6			743		0.52		0.24	1.03	7.2	0.1	21	176.6	1063	
3	KlipRiver on H12 d/s EP 26°19'14"S 27° 56'20"E	0	2.00	14	27	62			719		0.60		1.42	0.08	7.4	0.2	34	120	11	
			0.85	32	55	50			500					5.8	7.7	0.5	49.45	71.5	19.5	
		0.25	0.35	28.5	41.5	46			5,500		0.65		0.245	1.05	7.6	0.15	23.15	85.5	35.5	
			0.8	31	50	52			8,670					3.63	7.7	0.63	51.1	65.3	38	
4	Harringtonspruit on N12s/s EP 26°19'14"S 27° 56'20"E	0.075	0.2	14.5	25	57			3500		0.215		0.18	0.45	7.7	0.2	29.3	126	13.5	
			0.9	29	47	46.5			23,450					5.1	7.5	0.8	44.85	49	25	
			3	18	52	56.6			8					5.8	7.4	33	51.73	138.3	10	
			0.10	20	43	49			84					3.50	7.3	0.10	45	64	10	
5	KlipRiver on Golden Highway 26°20'12"S 27° 54'12"E		1.1	37	32	48.5			1,390				2.2	7.7	0.5	35.05	73.5	140		
			1	37.5	32.5	44			1,835					2.9	7.5	0.2	31.2	69.5	129.5	
			0.4	13.3	38.6	47.33			200		200			3.9	7.5	0.26	35.4	68.6	10	
			0.15	1.80	32.00	45	56			5,487		0.35		0.75	4.00	7.4	0.25	45	91	17
6	Klip River in R84, old Vereeninging Road 26°19'28"S 27° 59'09"E	0.075	1.85	30.5	39	51			8250		0.23		0.09	3.5	7.5	0.65	40.15	70	17	
			0.15	1.85	20.5	39	48			28,800		0.35		0.25	3.6	7.4	0.45	35.6	74	22
			0.1	1.06	18	40	51.66			1,533		0.23		0.21	3.83	7.56	0.6	39.8	79.6	17.6
			0.10	2.30	16	38	58			4,637	0.20	0.36	14.00		2.90	7.8	0.55	48	92	28
7	Klip River on R59 26°24'06.02"S 28° 04'47.88"E		0.15	1.00	29	43	57			18660	0.30	0.37	13.05		3.30	7.3	0.50	38	77	24
			0.23	0.36	23	36	50			2906.67	0.20	0.63	12.36		4.20	7.2	0.33	29	172	55
			0.37	0.43	25	37	33			2166.6	0.20	0.36	15.30		3.80	7.5	0.16	46	83	26
			3.14	65	51	121				423,333	0.25	0.99	29		0.70	7.4	0.20	55	172	40
8	Elsburgspruit on Brug Road 26°14'57.75"S 28° 12'15.95"E		7.45	37	44	108			305,000	0.30	53.94	23		0.95	7.3	0.10	46	338	15	
			5.13	30	42	105				337,267	26.00	0.56	25		1.20	7.2	0.26	43	385	39
			9.70	77	43	95				146,667	0.26	1.86	20		1.63	7.2	0.10	58	350	171
			0.08	2.20	11.00	126	103			923	0.40	0.31	26		2.60	7.4	0.45	68	180	10
9	Elsburgspruit on R554 u/s of confluence with Natalspruit 26°17'32.04"S 28° 10'07.20"E		0.05	0.55	12.50	50	75			276	0.30	0.07	21		0.80	7.3	0.40	50	170	10
			0.06	0.70	12.33	46	68			2700	0.40	0.27	11		0.47	7.1	0.50	38	77	13
			0.05	1.76	15.66	56	83			705	0.33	0.28	18		0.70	7.4	0.23	57	167	21
			0.10	2.25	13		86			847	0.30		18		9.50	7.4	0.40		159	23
10	Bothasfontein 408 South of Waterval STW on Rietspruit KlipRiver, 26°26'53.76"S 28° 05'37.41"E		0.10	2.00	25		67			1,230	0.80		33		2.85	7.4	0.15		61	87
			0.13	0.27	24		72			1,313	0.33		23		2.96	7.2	0.30		149	86
			1.25	13		81				272	0.30		17		5.70	7.6	0.10		175	10
			0.15	2.45	33	85	67			6,660	0.20	0.43	10		3.75	7.5	0.25	60	183	35
11	Klip River on Kareekloof 26°27'13.77"S 28° 05'07.85"E		0.30	0.70	38	44	71			8,400	0.30	0.49	15		3.20	7.4	0.40	40	87	45
			0.29	4.00	32	43	65			2,617	0.20	0.50	15		3.63	7.3	0.50	33	136	85
			0.77	0.26	21	44	56			1,680	0.20	0.38	29		4.10	7.4	0.20	42	95	21
			0.75	15	62	67				720		0.36	15.2		4.96	7.5	0.17	58.3	101	35
12	Klip River @ Henley weir 26°32'.963"S 28° 03'.848"E		0.7	25.5	57.5	60.5			743		0.595	18.55		3.25	7.6	0.45	50.95	61	39	
			0.45	39	45.5	57				9,100		0.63	18.7		2.9	7.5	0.35	39.3	78	65
			0.6	69	59.7	62				1,153		0.23	14.4		4.5	7.6	0.4	49.4	98.3	11.7
			0.33	0.37	84.7	76	107			230		3.12	51.33	0.65	0.67	7.6	0.17	43.7	247	181
13	Houtspruit d/s mittal steel 26°40'.174"S 27°56'.541"E		0.3	0.45	81.5	72.5	107.5			1,297		1.8	50.85	0.3	0.5	7.6	0.1	38.85	272.5	111
			0.4	0.55	82	43.5	70			650		0.63	33.1	0.31	0.5	7.3	0.15	24.5	189	102.5
			0.84	7	76.7	40.7	151			8,835		4.79	24.7	1.53	0.6	4.5	1	33.6	450	20
			0.6	14	57	68				13,070		0.24	16	0.20	5.1	7.6	0.13	46	1.8	27
14	Klip River @ Vosloopark 26°40'.088"S 27°57'.356"E		0.3	22	55.5	55.5			17,327		0.39	18.3	0.12	3.25	7.7	0.4	42.95	93.5	39	
			0.2	33	43	52				1,544		0.52	17.65	0.21	2.95	7.45	0.35	37.3	105	65.5
			0.5	21	60	134				293		2.2	14.7	0.1	5	6	0.3	48	123	24
			0.43	18.3	65	67				1236.67		0.1	16	0.43	3.93	7.7	0.17	51.5	107	12
15	Iscor Vaal at Dickson Park 26°41'.338"S 27°56'.094"E		0.15	22	56.5	58			1,397		0.37	19.2	0.08	3.2	7.8	0.35	45.86	65.5	22	
			0.4	23.5	45.5	51				645		0.325	16.9	0.115	2.75	7.65	0.25	34.15	63	17
			0.45	17.3	56	62				860		0.15	15.2	0.12	3.77	7.57	0.33	47.8	131	13.5

Key	Value	Period	
9	0.08	2.20	- 1 July to 29 Sep 2012
	0.05	0.55	- 1 Oct to 31 Dec 2012
	0.06	0.70	- 1 Jan to 31 Mar 2013
	0.05	1.76	- 1 Apr to 30 June 2013

Water Quality Guidelines	Color
- Ideal	Light Blue
- Acceptable	Yellow
- Tolerable	Orange
- Unacceptable	Red