



Sample Points	Sample Point Description	Aluminium	Ammonia	Chemical Oxygen Demand	Chloride	Conductivity	Daphnia Toxicity	Dissolved Oxygen	Faecal coliforms	Fluoride	Iron	Magnesium	Manganese	Nitrate	pH	Phosphate	Sodium	Sulphate	Suspended Solids
1	Russel Stream @New Canada Road	0.30	13.00	64	54	145			5,100		18.00		4.00	0.50	6.0	0.10		470	43
		0.50	1.32	17	18	59			12,867		15.33		2.87	1.67	6.5	0.14	20	205	47
		0.63	9.90	52	33	90			127,000		4.69		4.24	0.43	6.9	0.10	35	306	117
		1.75	8.60	27	37	86			218,147		12.70		4.28	0.95	6.7	0.10	29	348	30
2	Klip River @ R41	0.50	0.27	24	30	59			320		0.50		0.39	0.36	7.1	0.10	24	82	308
		0.63	0.45	44	17	26			250		0.77		0.04	3.90	7.4	0.32	12	53	149
		0.46	0.46	49	23	48			186		0.40		0.07	1.13	7.1	0.10	20	137	1731
		1.45	0.15	85	24	49			129		2.44		0.07	1.15	6.8	0.10	27	176	2921
3	Klip River on N12 s/s EP		0.27	27	51	58			6,700					2.20	7.6	0.23	56	52	11
			0.45	34	46	49			6,800					2.65	7.8	0.40	43	46	21
		0.36	1.80	21	28	55			10,267		0.12		0.08	1.80	7.4	0.30	28	92	11
		0.08	2.00	14	27	62			1,593		0.60		1.42	0.08	7.4	0.20	34	120	11
4	Harringtonsprit on N12 s/s EP		0.57	31	52	65			99					5.97	7.4	0.23	66	89	10
			2.38	37	51	62			13					21.07	7.5	0.12	20	100	8
			0.06	35	58	63			19					7.30	7.5	0.23	62	70	10
			0.60	32	52	58			20					7.60	7.2	0.20	60	73	10
5	Klip River on Golden Highway		3.97	20	32	61			135					2.30	7.8	0.13	45	90	14
			5.53	41	28	44			280					1.87	7.4	0.52	27	85	12
			0.77	15	36	54			1,370					4.13	7.5	0.27	40	71	10
			0.10	20	43	49			101					3.50	7.3	0.10	45	64	10
6	Klip River in R84, Old Vereeninging Road	0.20	0.70	27	53	58			800		0.20		0.90	4.30	7.4	0.20	53	92	20
		0.08	0.73	26	46	63			665		0.08		0.56	4.00	7.4	0.20	52	73	42
		0.13	0.12	28	34	48			1,860		25.00		0.23	2.80	7.5	0.12	34	93	26
		0.16	0.40	29	44	56			13,380		0.35		0.13	4.83	7.6	0.30	48	70	29
		0.15	1.80	32	45	56			6,893		0.35		0.75	4.00	7.4	0.25	45	91	17
7	Klip River on R59	0.10	0.93	41	48	60			2,220		0.15	13		4.00	7.6	0.33	54	77	39
		0.13	0.40	21	41	51			25,867	0.20	0.12	13		3.57	7.3	3.57	36	129	45
		0.08	0.15	36	45	66			1,510	0.20	0.06	7		4.30	7.5	0.25	1	72	34
		0.10	2.30	16	38	58			1,905	0.20	0.36	14		2.90	7.8	0.55	48	92	28
8	Elsburgspruit on Brug Road	0.05	9.13	73	53	88			1,763,000	0.40	1.22	24		0.73	7.3	7.40	48	215	26
			2.90	59	64	93			770,777	0.23	0.95	16		1.33	6.3	0.30	57	186	40
			4.00	79	46	117			463,333	0.40	0.79	22		0.80	7.5	0.15	51	387	10
			3.14	65	51	121			3,740,000	0.25	0.99	29		0.70	7.4	0.20	55	172	40
9	Elsburgspruit on R554 u/s of confluence with Natalspruit	0.09	4.00	57	87	104			2,350		0.07	30		0.20	6.5	0.10	78	231	24
		0.07	5.70	33	93	99			2,287	0.42	0.23	24		0.30	7.6	0.87	79	113	10
		0.13	4.00	36	79	104			7,431	0.35	0.23	24		3.10	7.4	0.45	76	212	13
		0.08	2.20	11	126	103			64	0.40	0.31	26		2.60	7.4	0.45	68	180	10
10	Bothasfontein 408 South of Waterval STW on Rietspruit Klip River	0.10	5.77	41		90			423	0.33		23		3.73	7.5	0.77		183	22
		0.07	1.10	30		74			8,433	0.30		20		2.47	7.5	0.43		110	17
		0.08	3.00	35		78			833	0.30		21		4.95	7.3	0.25	52	101	21
		0.10	2.25	13		86			1,595	0.30		18		9.50	7.4	0.40		159	23
11	Klip River on Kareekloof	0.17	1.80	47	60	70			380	0.23	0.28	32		4.10	7.7	0.47	47	92	37
		0.23	0.30	29	46	57			15,833	0.30	0.84	15		2.67	7.5	0.13	53	79	33
		0.08	1.50	37	55	64			1,303	0.30	0.18	15		3.25	8.0	0.20	59	82	32
		0.15	2.45	33	85	67			11,945	0.20	0.43	10		3.75	7.5	0.25	60	183	35
12	Klip River @ Henely Weir		1.27	34	63	68			240		0.33	15		4.17	7.3	0.40	49	123	35
			0.43	29	45	59			11,333		0.67	14		2.53	7.3	0.27	40	105	77
			0.20	36	63	65			1,310		0.20	14		3.60	7.9	0.50	59	72	29
			0.75	15	62	67			803		0.36	15		4.96	7.5	0.17	58	101	35
13	Houtspruit d/s Mittal Steel	0.10	0.20	25	58	78			620		0.31	25	0.29	1.93	7.5	0.20	48	134	39
		0.48	1.33	29	37	111			11,868		3.61	25	1.04	0.85	6.1	0.12	27	255	28
		0.10	0.20	56	65	86			473		0.45	41	3.80	0.28	7.9	0.10	44	214	17
		0.33	0.37	85	76	107			333		3.12	51	0.65	0.67	7.6	0.17	44	247	181
14	Klip River @ Volsloopark		0.80	24	66	70			517		0.42	15	0.35	4.90	7.5	0.43	68	106	32
		11.28	0.22	39	43	57			5,767		0.43	17	0.15	3.40	7.4	0.33	38	99	96
			0.23	33	56	65			6,080		0.20	15		3.67	7.9	2.93	59	72	33
			0.60	14	57	68			10,927		0.24	16	0.20	5.10	7.6	0.13	46	2	27
15	Iscor Vaal @ Dickson Park		0.23	21	58	62			175		0.19	20	0.17	3.53	7.7	0.27	63	129	15
			1.97	31	47	57			27,200		0.16	17	0.05	0.45	7.4	0.04	42	97	20
			0.33	28	47	59			823		0.24	14		4.67	7.9	0.27	52	66	23
	0.43	18	65	67			9,517		0.10	16	0.43	3.93	7.7	0.17	52	107	12		

Key

11	Klip River On Kareekloof	0.17	1.80	- 1 Oct to 30 Dec 2011
		0.23	0.30	- 1 Jan to 31 Mar 2012
		0.08	1.50	- 1 Apr to 31 Jun 2012
		0.15	2.45	- 1 Jul to 31 Sep 2012

Water Quality Guidelines

	- Ideal
	- Acceptable
	- Tolerable
	- Unacceptable