



Sample Points	Sample Point Description	Aluminium	Ammonia	Chemical Oxygen Demand	Chloride	Conductivity	Dephnia Toxicity	Dissolved Oxygen	Faecal coliforms	Fluoride	Iron	Magnesium	Manganese	Nitrate	pH	Phosphate	Sodium	Sulphate	Suspended Solids	
1	Russel Stream @New Canada Road	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	
		2.85	7.25	25	21	80			3,100		9.97		3.87	0.55	5.8	0.10	26	360	31	
2	Klip River @ R41	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	1,731	
		1.45	0.15	95	24	49			129		2.44		0.07	1.15	6.8	0.10	27	176	2,921	
		0.50	0.50	17	10	44			440		0.62		0.11	0.45	7.3	0.10	17	159	2,724	
3	Klip River on N12 s/s EP		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			1,583		0.60		1.42	0.08	7.4	0.20	34	120	11	
			0.85	32	55	50			102,000					5.80	7.7	0.50	49	72	20	
4	Harringtonsprit on N12 s/s EP		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	
		0.08	0.20	15	25	57			1,200		0.22		0.18	0.45	7.7	0.20	29	126	14	
5	Klip River on Golden Highway		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	
			1.10	37	32	49			400					2.20	7.7	0.50	35	74	140	
6	Klip River in R84, Old Vereeninging Road	0.13	0.12	28	34	48			1,860		25.00		0.23	2.60	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	
		0.08	1.85	31	39	51			4,900		0.23		0.09	3.50	7.5	0.65	40	70	17	
7	Klip River on R59	0.13	0.40	21	41	51			25,887	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	
		0.15	1.00	29	43	57			93,000	0.30	0.37	13		3.30	7.3	0.50	38	77	24	
8	Elsburgsprit on Brug Road	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	
		7.45	37	44	108				450,000	0.30	53.94	23		0.95	7.3	0.10	46	338	15	
9	Elsburgsprit on R554 u/s of confluence with Natalspruit	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	
		0.06	2.20	11	126	103			64	0.40	0.31	26		2.60	7.4	0.45	68	180	10	
		0.05	0.55	13	50	75			630	0.30	0.07	21		0.80	7.3	0.40	50	170	10	
10	Bothasfontein 408 South of Waterval STW on Rietspruit Klip River	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
		0.10	2.00	25		67			1,630	0.80		33		2.85	7.4	0.15			61	87
11	Klip River on Kareekloof	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	
		0.30	0.70	38	44	71			9,150	0.30	0.49	15		3.20	7.4	0.40	40	87	45	
12	Klip River @ Henely Weir	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	
		0.70	26	58	61				1,103		0.60	19		3.25	7.6	0.45	51	61	39	
13	Houtspruit d/s Mittal Steel	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	
		0.30	0.45	82	73	108			2,287		1.80	51	0.30	0.50	7.6	0.10	39	273	111	
14	Klip River @ Voisloopark	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	
		0.30	22	56	56				36,093		0.39	18	0.12	3.25	7.7	0.40	43	94	39	
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	
		0.15	22	57	58			4,227		0.37	19	0.08	3.20	7.8	0.35	46	66	22		

Key

9	Elsburgsprit on R554 u/s of confluence with Natalspruit	0.07	5.70	- 1 Jan to 31 Mar 2012
		0.13	4.00	- 1 Apr to 31 June 2012
		0.08	2.20	- 1 July to 31 Sept 2012
		0.05	0.55	- 1 Oct to 31 Dec 2012

Water Quality Guidelines

- Ideal
- Acceptable
- Tolerable
- Unacceptable