



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	0.63	9.90	52	33	90			15,667		4.69		4.24	0.43	6.9	0.10	35	306	117
		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	KlipRiver @ R41	0.46	0.46	49	23	48			160		0.40		0.07	1.13	7.1	0.10	20	137	1731
		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
3	Klip River on N12 s/s EP	0.36	1.80	21	28	55			11,400		0.12		0.08	1.80	7.4	0.30	28	92	11
		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
4	Harringtonspruit on N12s/s EP		0	35	58	63			4,600					7.30	7.5	0.23	62.16	70	10
			1	32	52	58			1,010					7.60	7.2	0.20	59.50	73	10
		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
5	KIIP River on Golden Highway		0.77	15	36	54			1,150					4.13	7.5	0.27	40	71	10
			0.10	20	43	49			84					3.50	7.3	0.10	45	64	10
			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
6	Klip River in R84, old Vereeninging Road	0.16	0.40	29	44	56			11,670		0.35		0.13	4.83	7.6	0.30	48	70	29
		0.15	1.80	32.00	45	56			5,487		0.35		0.75	4.00	7.4	0.25	45	91	17
		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
7	Klip River on R59	0.08	0.15	36	45	66			1,017	0.20	0.06	7		4.30	7.5	0.25	1	72	34
		0.10	2.30	16	38	58			4,637	0.20	0.36	14.00		2.90	7.8	0.55	48	92	28
		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
8	Elsburgspruit on Brug Road		4.00	79	46	117			386,667	0.40	0.79	22		0.80	7.5	0.15	51	387	10
			3.14	65	51	121			423,333	0.25	0.99	29		0.70	7.4	0.20	55	172	40
			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	Elsburgspruit on R554 u/s of confluencewith Natalspruit	0.13	4.00	36	79	104			38,383	0.35	0.23	24		3.10	7.4	0.45	76	212	13
		0.08	2.20	11.00	126	103			923	0.40	0.31	26		2.60	7.4	0.45	68	180	10
		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
10	Bothasfontein 408 South of Waterval STW on Rietspruit KlipRiver	0.08	3.00	35		78			1,011	0.30		21		4.95	7.3	0.25	52	101	21
		0.10	2.25	13		86			847	0.30		18		9.50	7.4	0.40		159	23
		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
11	Klip River on Kareekloof	0.08	1.50	37	55	64			1,300	0.30	0.18	15		3.25	8.0	0.20	59	82	32
		0.15	2.45	33	85	67			6,660	0.20	0.43	10		3.75	7.5	0.25	60	183	35
		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
12	Klip River @ Henley Weir		0.2	36	63	65			837		0.2	13.8		3.6	7.9	0.5	59.3	72	29
			0.75	15	62	67			720		0.36	15.2		4.96	7.5	0.17	58.3	101	35
			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
13	Houtspruit d/s mittal steel	0.1	0.2	55.7	65	85.7			783		0.45	41	3.8	0.28	7.9	0.1	44	214	16.7
		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
		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
14	Klip River @ Vosloopark		0.23	33	56	65			1447		0.2	15		3.67	7.9	2.93	59	72	33
			0.6	14	57	68			13,070		0.24	16	0.20	5.1	7.6	0.13	46	1.8	27
			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
15	Iscor Vaal at Dickson Park		0.33	28	47	59			527		0.24	14		4.67	7.9	0.27	52	66	23
			0.43	18.3	65	67			1236.67		0.1	16	0.43	3.93	7.7	0.17	51.5	107	12
			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

Key

9	Elsburgspruit 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