Department: Water Affairs & Forestry

Quarterly Water Quality Status of the Klip River Catchment **January 2011 - March 2011**

	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	9.20	26.10	173.00	50.00	180.70					48.00		8.73	3.80	5.20	0.10	200.20	583.30	4043.30
		2.38	8.00	28.00	27.50	105.50			5.00		33.00		6.89	0.60	6.50	0.10		378.00	82.00
		10.53	8.50	42.00	40.30	149.00			50.00		60.90		5.57	1.23	4.70	0.10		564.00	41.00
2	Klip River @R41	0.06	0.10	14.30	20.00	36.00					0.09		0.08	0.93	7.50	0.10	61.40	74.60	17.00
		0.73	0.10	39.00	11.50	37.50			420.00		0.13		0.12	0.20	7.50	0.10	22.80	64.00	10.00
		0.05	0.13	21.60	16.60	34.60			220.00		0.09		0.12	0.53	7.46	0.30	19.70	72.67	18.60
3	Klip River on N12 s/s -EP	0.06	0.30	16.30	25.30	63.00					0.08		0.13	1.13	7.30	0.20		90.00	
			11.00	37.50	33.00	53.00			4800.00					0.10	7.20	0.85	42.80	40.00	10.00
		0.05	0.10	15.00	26.00	54.00			5000.00		0.03		0.05	1.00	7.40	0.10	26.20	116.00	14.00
4	Harringtonspruit on N12 s/s -EP		0.50	38.00	46.00	49.00			28666.00			9.9		3.60	7.20	0.70	57.00	43.00	
			0.30	32.00	56.00	55.30			22200.00					4.00	7.40	0.50		46.00	15.00
			1.80	59.00	56.00	67.00			8530.00		1.89		3.80	4.75		0.40	78.10	57.60	10.00
5	Klip River on Golden Highway	0.32	0.50	24.30	41.00	46.30			2619.00		0.10		0.50	2.60	7.80	0.20	48.00	94.30	18.30
			0.10	16.50	34.00	54.00								0.10	7.70	0.20	50.80	98.00	10.00
			0.20	12.00	28.00	53.30			71000.00					2.77	7.23	0.20	24.30	110.30	10.00
6	klip river R82, old vereenigingroad		0.20	21.00	65.50	61.50			360.00			15.65		3.60	7.70	0.35	61.60	80.00	
		0.06	1.10	41.00	50.00	63.00			2350.00		0.13		0.20	2.90	7.50	0.30	170.70	84.30	45.00
		0.04	2.27	17.00	37.00	55.33			245000.00		0.17		0.40	1.37	7.43	0.57	42.75	97.00	19.00
7	Klip River on R59		3.00	36.00	52.00	63.00			3993.33		0.33			1.73	7.76	0.56	58.06	85.67	64.67
		0.10	0.45	25.00	45.50	58.00			620.00		0.17	12.75		3.05	7.30	0.35	259.65	93.00	24.50
		0.32	1.20	31.67	36.67	53.00			7900.00	0.70	0.40	15.33		2.47	7.27	0.43	43.73	99.67	38.67
8	Elsburgspruit on Brug street				54.3	106.7			25333.0		0.80				7.20			322.0	
			18.25	53.50	88.5	131.5			456900.0		0.28	23.70		0.50	7.05	0.40	68.25	367.0	21.00
			7.60	63.67	52.7	89.0			1308000.0	0.23	2.10	24.73		1.73	7.00	0.23	51.13	273.3	280.00
9	Elsburgspruit on R554 u/s of confluence with Natalspruit				87.0	101.0			1380.0		0.19				7.33			181.7	
			0.41	20.00	59.5	91.0			550.0		0.08			1.30	7.25	0.30	66.50	241.5	10.00
		0.08	1.00	13.67	53.7	71.3			1215.0	0.33	0.27	53.50		1.30	7.00	0.17	61.63	151.7	12.00
10	Bothasfontein 408 South of Waterval STW on Rietspruit Klipriver																		
		0.13	1.20	26.00		80.00						21.30		3.20	7.20	0.30		215.00	10.00
		0.12	2.00	20.00		72.50				0.30		26.10		2.60	7.45	0.60		113.50	31.00
11	Klip River on Kareekloof Road		2.00	39.50	62.00	71.33			3618.67		0.14			3.23	7.63	0.80	43.67	92.33	59.66
			0.31	26.00	63.00	68.00			490.00		0.34	15.50		6.60	7.30	0.40	56.85	118.50	21.50
		0.37	1.87	27.67	42.00	56.00			144500.00	0.23	0.36	18.47		2.37	7.33	0.60	28.07	93.33	35.67
12	klip river @ henley weir		1.10	39.20	61.30	70.30			505.00		0.08			2.20	7.46	0.77	42.60	95.30	38.67
			0.40	40.00	56.30	68.67			940.00		0.14	16.70		3.40	7.75	0.90	67.70	82.00	35.67
			1.80	32.67	50.67	65.00			5450.00		0.06	19.47		2.80	7.50	0.37	50.23	105.00	38.56
13	Houtkopstpruit d/s Mittal Steel		0.57	31.67	59.33	73.00			5150.00		0.45	22.12	0.16	0.57	7.37	0.40	48.10	102.70	35.00
		0.05	1.17	23.00	49.33	63.33			86000.00		0.17	19.20	0.56	1.35	7.46	0.83	37.40	77.00	63.50
		0.05	0.45	17.50	43.50	69.00			1900.00		0.22	27.85	0.50	4.25	7.60	0.45	39.65	95.00	11.00
14	klip river @voslopark		0.40	39.67	59	70.67			255		0.10	17.97	0.09	0.4	7.37	0.67	67.57	96	19
			0.20	26.3	53	68.33			633		0.10	17.3	0.11	3.65	7.45	0.50	65.63	68	16
			0.80	31.5	50.5	64.5			4,200		0.06	20.1	0.03	2.7	7.6	0.40	50.15	91	50.5
15	iscor vaal @ Dickson park		0.08	25.33	49.33	57.67					0.14	16.7	0.04	2.01	7.37	0.27	47.77	84	22
			0.27	17.7	53.7	69.3			210		0.11	19.87	0.11	2.4	7.55	1.16	65.2	113.7	16
			0.50	24	27.5	46			940		0.50	15.35	0.03	1	7.95	0.70	36.6	74	34
	Klip River on Karekloof RD/S Waterval STW	2.00	39.50																
		0.31	26.00																
		1.87	27.67																

Key

01April 2010 to 31 June 2010
1July 2010 to September 2010
1Oct 2010 to December 2010
1January 2011 to March 2011

Water Quality Guidelines

	Ideal
	Acceptable
	Tolerable
	Unacceptable