Department: Water Affairs & Forestry

Quarterly Water Quality Status of the Klip River Catchment **July - October 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 RD	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
		7.30	10.20	59.30	58.70	200.30			0.00		93.10		15.50	0.90	5.30	0.10		77.20	36.70
		0.10	12.00	41.50	48.50	139.00			156.00		10.20		7.60	0.50	6.70	0.10		579.00	39.00
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	0.00
		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
		0.3	0.10	13.00	21.30	38.70			57.00		0.30		0.30	1.00	7.10	0.10	19.50	98.70	13.70
		0.3	0.30	26.00	29.00	42.00			1126.70		0.30		0.20	0.60	7.00	0.10	23.70	122.00	169.50
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
			0.30	35.50	59.50	57.00			20 366.70					38.00	7.60	0.20	60.40	52.50	30.00
		0.05	3.2	18.5	30	58			734,333.30		0.2		1.6	1.3	7.3	0.5		105.5	25
4	Harringtonspruit on N12 s/s EP		0.80	35.00	58.30	57.70			96300.00					6.90	7.10	0.30	60.10	52.70	25.30
			0.30	32.00	56.00	55.30			22200.00					4.00	7.40	0.50		46.00	15.00
		0.50	3.20	18.50	30.00	58.00			703 400.00						7.30	0.50		105.50	11.00
5	Klip River on Golden Highway		1.80	59.00	56.00	67.00			8530.00		1.89		3.80	4.75		0.40	78.10	57.60	10.00
		0.10	0.50	15.70	33.00	61.70			2610.00		0.50		0.20	2.40	7.10	0.10	31.80	111.30	14.30
		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
			3.00	25.00	44.50									2.40	7.30	0.20	48.70	102.00	10.00
6	Klip River on R82, Old Vereeniging road		0.20	12.00	28.00	53.30			71000.00					2.77	7.23	0.20	24.30	110.30	10.00
			1.20	21.00	39.70	57.30			59.50					27.80	7.10	0.10	42.60	115.70	28.30
		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
		0.20	0.70	27.00	52.50	58.00			800.00		0.20		0.90	4.30	7.40	0.20	52.90	91.50	20.00
7	Klip River on R59	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
			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
		0.09	0.60	31.00	50.00	61.00			2056.70		0.22	14.30		5.70	7.60	0.40	51.60	95.00	23.00
8	Elsburgspruit on Brug Street	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
		0.18	1.00	17.00	51.00	57.00			11406.70	0.20	0.14	16.20		4.70	7.30	0.20	44.70	103.00	27.00
					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
				15.00	124.0	254.0			1109666.7		0.15			1.80	7.30	0.10		12.3	26.00
9	Elsburgspruiton R554 u/s of confluence with Natalspruit		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
			11.70	25.00	61.5	102.5			113333.3	0.20	0.38	38.80		0.60	7.00	2.10	51.20	294.0	36.00
					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
10	Bothasfontein 408 South of Waterval STW on Rietspruit Kliprivier	0.09	4	57	87	104			2350		0.07	29.9		0.2	6.5	0.1	77.5	231	24
		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
			0.30	15.00	92.5	91.5			604.3	0.30	0.04	30.00		1.40	7.20	0.10	445.90	201.5	10.00
		0.13	1.20	26.00		80.00						21.30		3.20	7.20	0.30		215.00	10.00
		0.09	3.8	40		89			526.7			26		4.9	7.4	0.4		173	24
11	Klip River on Kareekloof	0.12	2.00	20.00		72.50				0.30		26.10		2.60	7.45	0.60		113.50	31.00
			1.70	12.50		34.50			476.70	0.30		31.60		3.30	7.20	0.30		179.00	27.00
			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
		0.09	1.3	44	59	70			114.3		0.19	17.3		5.2	7	0.4	62.2	124	24
12	Klip River @ henly weir	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
			1.10	29.50	62.50	66.00			7633.30	0.20	0.10	19.70		3.60	7.40	0.30	54.30	121.00	46.00
			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
			0.9	39	62.5	69.5			346.8		0.3	17.5		5.1	7.3	0.3	65.3	45.4	28.5
13	Houtkopspruit d/s Mittal Steel		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
			1.00	37.50	57.50	66.50			590.00		0.30	22.40		3.90	6.90	0.40	54.30	121.00	47.00
			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
		0.2	0.4	48.5	61	70.5			7416.7		0.19	17	0.3	5.7	7.6	0.3	59.2	207.5	35
14	Klip River @ Voslopark	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
			0.20	25.00	41.50	59.00			600.00		0.20	19.60	0.03	1.90	7.10	0.20	33.90	115.50	10.00
			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
			0.4	47	59	70			5896.7		0.4	18.3	0.5	6	7.4	0.2	60.3	107	42
15	Iscor Vaal @ Dickson Park		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
			2.00	22	57.5	66.5			65,000		0.30	23.2	0.30	3.7	7.1	0.60	53.8	119.5	41
			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
			0.2	71	77	82.5			89.7		0.2	22.2	0.1	3.1	7.8	0.3	70.9	122	17
			0.50	24	27.5	46			940		0.50	15.35	0.03	1	7.95	0.70	36.6	74	34
			0.20	19	204	90			54		0.40	14.8	0.05	6.6	7	0.10	41.7	56	10
	Klip River on Kareekloof		**Key**							**Water Quality Guidelines**									
			0.01	4.4	- 1 April 08 to 30 June 08					**Water Quality Guidelines**									
		2.00	39.50	1July 2010 to September 2010							Acceptable								
		0.31	26.00	01Oct 2010 to December 2010							Tolerable								
		1.87	27.67	01January 2011 to March 2011							Unacceptable								