



**Rand Water**  
**Quarterly Water Quality Status of the Klip River Catchment**

01 Oct 2010 - 30 Sept 2011



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
E7	Elsburgspruit @ Elsburg Town S26.250 E28.204	0.02	11.00		53	100		3.5		0.38	0.07	17	2.30	0.44	7.0	0.23	36	255	
		0.02	6.10		48	92		2.9		0.37	0.04	22	2.20	1.00	7.1	0.14	42	300	
		0.01	6.30		47	92		4.5		0.38	0.05	25	3.30	1.45	7.0	0.04	38	336	
		0.01	7.87		52	104		5.9		0.67	0.15	24	2.50	1.18	7.0	0.17	42	374	
E8	Stream @ Elspark S26.262 E28.222	0.02	0.21		45	100		7.3		0.39	0.05	47	0.61	0.30	6.9	0.04	42	520	
		0.04	0.16		17	44		5.1		0.23	0.04	15	0.46	1.40	7.0	18.00	0.14	110	
		0.01	0.24		91	193		7.0		0.33	0.01	121	0.63	1.02	7.3	<0.04	104	1083	
		<0.01	0.75		124	229		9.5		0.13	0.01	105	0.68	0.87	7.1	0.04	127	1470	
N4	Natalspruit from Simmer and Jack Mine S26.240 E28.124	15.00	1.80		230	220		2.8		1.30	47.00	73	35.00	0.38	3.5	<0.04	31	1040	
		1.40	1.70		110	125		5.2		1.70	13.00	42	12.00	1.20	4.6	<0.04	28	510	
		5.35	1.83		144	143		5.4		0.67	18.00	59	17.50	1.52	3.7	<0.04	34	739	
		6.08	3.39		170	126		6.2		0.76	23.80	50	18.60	1.39	4.8	<0.04	27	643	
N7	Natalspruit @ Alrode S26.298 E28.144	0.02	2.60		33	66		5.0	28,320	0.52	0.78	16	3.40	0.91	6.5	<0.04	20	315	
		0.04	0.92		32	62		4.8	15,070	0.33	0.47	18	3.30	1.50	6.3	<0.04	21	295	
		0.02	1.75		41	82		5.7	4,543	0.34	0.09	28	4.68	1.77	6.5	<0.04	29	305	
		0.02	3.76		49	67		6.6	11,077	0.35	0.05	21	4.45	1.38	6.8	<0.04	21	346	
N8	Natalspruit @ Heidelberg Road S26.426 E28.165	<0.01	2.10	23	74	77	100	5.5	4,640	0.32	0.01	16	0.42	2.50	7.0	0.41	50	145	15
		0.01	1.90	19	59	71	100	5.6	30,570	0.36	0.02	19	0.37	2.10	7.4	0.35	43	150	14
		0.01	3.32	24	69	75	100	5.7	15,211	0.34	0.03	21	0.37	2.73	7.4	0.26	49	156	13
		0.02	5.35	31	76	82	100	6.3	24,665	0.21	0.04	21	0.45	2.94	7.5	0.43	49	153	17
R1	Rietspruit from Sallies S26.305 E28.336	<0.01	0.12		83	155		4.3		0.20	0.06	44	0.30	0.75	6.5	<0.04	99	880	
		<0.01	1.48		86	149		6.1		0.38	0.02	50	0.31	0.39	7.0	0.20	99	685	
		<0.01	1.94		136	278		9.7		0.41	0.02	69	0.22	2.70	7.1	<0.04	291	1286	
R2	Withokspruit Tributary S26.324 E28.338	0.07	0.22		17	44		4.8		0.36	0.04	14	0.52	0.40	7.2	0.05	19	56	
		0.17	0.45		29	46		5.2		0.31	0.10	14	0.12	0.79	7.2	0.06	24	48	
		0.02	0.46		32	52		7.0		0.34	0.02	16	0.64	1.37	7.6	0.04	26	79	
		<0.01	1.34		29	48		8.1		0.21	0.04	18	0.29	0.39	8.1	0.06	25	85	
R3	Tributary @ Van Dyk Consolidated S26.259 E28.321	0.01	0.12		12	56		5.8		0.44	0.04	8	0.08	0.39	7.2	0.07	14	38	
		0.02	0.12		27	50		5.0		0.44	0.04	14	0.08	0.36	7.3	0.13	29	80	
		0.02	0.24		28	64		6.3		0.53	0.02	16	0.19	0.58	7.5	0.04	29	94	
		0.01	0.33		19	38		7.3		0.36	0.13	10	0.28	0.65	7.5	0.14	15	57	
R4	Rietspruit @ Vosloorus S26.372 E28.245	<0.01	0.12		155	215		5.0		0.44	<0.01	135	0.49	0.20	7.6	0.07	150	1350	
		<0.01	0.12		73	110		5.1		0.42	<0.01	43	0.08	0.20	7.4	0.06	62	425	
		<0.01	0.24		76	121		6.5		0.50	0.01	56	1.11	1.58	7.7	0.05	63	398	
		<0.01	0.25		110	195		7.6		0.22	0.02	80	0.25	1.57	7.8	0.09	112	646	
R5	Rietspruit @ Hardmans Farm S26.429 E28.181	<0.01	0.53		84	155		6.6	92,980	0.30	<0.01	67	0.54	1.10	7.8	0.23	62	600	
		<0.01	0.21		52	88		6.4	181,760	0.37	0.01	42	0.14	0.75	7.8	0.08	50	330	
		<0.01	0.24		77	120		6.6	12,935	0.40	0.01	57	0.11	1.36	8.0	0.06	62	359	
		<0.01	0.94		87	145		7.5	27,959	0.18	0.01	63	0.26	1.92	8.1	0.21	70	433	
R6	Rietspruit @ Hardmans Farm S26.429 E28.181	<0.01	0.79	21	72	82	100	4.3	5,050	0.30	0.01	20	0.31	3.10	7.2	0.39	49	180	27
		0.06	0.68	18	46	70	100	5.7	5,460	0.32	0.05	21	0.18	2.00	7.5	0.28	41	145	38
		<0.01	1.80	20	71	83	100	5.2	11,373	0.33	0.02	27	0.28	3.11	7.5	0.21	52	201	14
		0.01	4.05	27	76	90	100	5.8	2,870	0.21	0.02	26	0.40	2.78	7.6	0.32	53	220	14

**Key**

N4	Natalspruit from Simmer and Jack Mine	15.00	1.80	- 1 Oct to 31 Dec 2010
		1.40	1.70	- 1 Jan to 31 Mar 2011
		5.35	1.83	- 1 Apr to 30 Jun 2011
		6.08	3.39	- 1 Jul to 30 Sep 2011

**Water Quality Guidelines**

- Ideal
- Acceptable
- Tolerable
- Unacceptable