


Department of Water Affairs - Gauteng Region - Upper Vaal Water Management Area

Water Quality Status of the Blesbokspruit and Suikerbosrand Catchment from May - July 2011

Blesbok Monitoring Points	Point Description	 Sample Point Description	Ammonium Nitrogen (mg/l)	Chemical Oxygen Demand (mg/l)	Chloride (mg/l)	Conductivity(mS/m @25C)	Nitrate and Nitrite (mg/l)	Orthophosphate (mg/l)	pH	Sulphate (mg/l)	F. Coliforms(ctu/100 ml)	Month of Monitoring and Analysis undertaken by Erwat Laboratory and variables measured as ideal,acceptable,tol
1	C2H189Q01	Blesbok Spruit @ Snake Rd	0.50	33	27	30	0.3	<0.1	6.9	90	8	May
			0.60	14		N/A	1	<0.1	6.5	n/a	17	June
			0.4	46	17	40	1.1	0.1	7	60	150	July
2	C2H196Q01	Blesbok Spruit @ Main Reef Rd	0.3	<10	40	40	1.1	0.2	7.1	53	29	
			<0.1	19	53	48	1.6	0.1	6.8	52	37	
			<0.1	16	50	51	3.6	0.2	6.8	29	59	
3	C2H200	Blesbok Spruit @ Enstra Rd	0.9	<0.10	38	46	0.3	0.1	6.5	94	50	
			<0.1	30	37	50	0.5	<0.1	7.4	94	25	
			<0.1	20	44	54	1.1	0.1	7.0	60	7	
4	C2H203Q01	Cowles Dam	0.7	44	60	59	0.3	<0.1	7.2	91	23	
			0.3	58	96	82	0.3	<0.1	6.5	101	12	
			0.5	38	92	88	0.1	0.1	7.1	118	5	
5	C2H177	Blesbok Spruit@Welgedacht	0.6	44	53	51	0.3	0.9	6.9	39	6500	
			2.9	136	51	62	2.2	1.3	7.0	36	25000	
			11.8	184	56	72	0.4	2.0	7.1	27	27000	
6	C2H150Q01	R555 Road Bridge on Blesbokspruit	1.3	48	58	58	1.8	0.7	6.6	69	3800	IDEAL
			1.7	84	66	72	1.2	0.8	7.2	58	7700	ACCEPTABLE
			5.3	95	82	84	0.7	0.2	7.0	75	8,100	TOLERABLE
7	C2H142Q01	Grootvlei mine Bridge East	0.7	22	59	64	0.4	0.4	1.0	99	140	
			0.9	25	67	76	0.6	0.7	6.9	92	10	
			3.1	32	85	87	1.9	0.4	7.3	109	11	
8	C2H149Q01	Nigel R51 Road Bridge to Balfour	0.2	90	64	73	<0.1	0.5	7.3	110	49	
			<0.1	32	62	78	0.2	0.9	7.2	114	68	
			<0.1	19	79	86	0.1	0.3	7.8	145	34	
9	C2H185Q01	Poortjie Road on Blesbokspruit	0.3	10	65	70	0.6	0.6	7.3	135	7100	
			<0.1	36	59	75	0.9	0.6	7.2	108	9900	
			1.0	26	77	84	0.7	0.3	7.9	112	3400	
7	C2H131Q01	Colliery point on Suikerbosrand river	0.4	39	25	29	0.9	<0.1	7.3	10	270	
			<0.1	24	21	32	0.8	<0.1	6.8	7	170	
			1.1	32	26	37	1.7	0.2	7.9	10	17	
8	C2H004Q01	Suikerbosrand river @ Vereeniging	0.2	19	54	61	0.9	0.3	7.3	86	410	
			<0.1	32	51	60	1.0	0.1	7.1	73	71	
			1.1	22	60	69	1.1	0.2	7.8	81	56	