

Department: Water and Sanitation Quarterly Water Quality Status of the Blesbokspruit / Suikerbosrand Catchment

JAN-MAR 2020



Sample Points	Sample Point Description	Months	Aluminium	Ammonia	Chemical Oxygen Demand	Chloride	Conductivity	Dissolved Oxygen	E.Coli	Fluoride	Iron	Magnesium	Nitrate	pH	Phosphate	Sodium	Sulphate	Suspended Solids
1	Blesbokspruit @ Snake Rd S 26 10.988 E 28 20.039	Jan	N/A	<0.009	28	25.5	26.5	6.92	570	N/A	N/A	N/A	<0.13	7.48	0.01	N/A	33.5	<20
		Feb	N/A	<0.009	20	13.20	22.50	5.67	14	N/A	N/A	N/A	<0.13	7.12	0.0	N/A	21.00	<20
		March	N/A	0.0	23.0	20	24	6.4	20	N/A	N/A	N/A	<0.13	7.1	0.1	N/A	24	20
2	Blesbokspruit @ Main Reef Rd S 26 12.011 E 28 23.403	Jan	N/A	2.78	28	31.4	34.8	5.58	1290	N/A	N/A	N/A	0.3	7.22	1.07	N/A	53.1	<20
		Feb	N/A	4.42	21.00	31.20	36	5.47	2300	N/A	N/A	N/A	0.4	7.36	2.10	N/A	23	<20
		March	N/A	0.70	25	36.50	41	5.51	24	N/A	N/A	N/A	7.6	7.30	2.03	N/A	33	<20
3	Blesbokspruit @ Enstra Rd S 26 12.983 E 28 26.498	Jan	<0.05	1.45	21	50	44	6.3	92	N/A	<0.05	N/A	0.2	7.5	1.4	45	54	<20
		Feb	<0.05	0.03	<20	22.70	24.60	7.00	25	N/A	<0.05	N/A	0.75	7.42	0.79	26.10	66.50	<20
		March	<0.05	<0.009	23	31	36	6.38	50	N/A	<0.05	N/A	0.41	7.22	0.58	34	50	<20
4	Cowles Dam S 26 12.288 E 28 27.292	Jan	<0.05	1.16	29	55	51	5.8	19	0.28	<0.05	N/A	0.20	7.60	0.8	53	63	<20
		Feb	<0.05	0.56	34	35	45.30	5.56	2	0.26	<0.05	N/A	0.17	7.63	0.75	33	62	<20
		March	<0.05	<0.009	33	36	45	6.71	ND	0.28	<0.05	N/A	<0.13	7.68	0.5	40	54	<20
5	R555 Road Bridge on Blesbokspruit S 26 12.879 E 28 28.785	Jan	<0.05	1.84	<20	24	31	5.07	340	N/A	<0.05	N/A	0.66	7.31	1.4	N/A	42	<20
		Feb	<0.05	0.41	25	45	53	5.56	18000	N/A	<0.05	N/A	0.06	7.53	0.73	N/A	91	<20
		March	<0.05	<0.009	29	49.30	55	5.55	16000	N/A	<0.05	N/A	1.50	7.44	0.98	N/A	76	<20
6	Blesbokspruit on R29 Ermelo Road Bridge S 26 16.293 E 28 30.233	Jan		<0.01	<20	54.7	64	7.47	55	0.29	<0.05	19.7	<0.13	7.78	0.46	57.3	108	N/A
		Feb		<0.01	<20	55	80	6.24	170	0.22	<0.05	25	0.14	7.7	0.3	58	247	N/A
		March		<0.01	<20	72	119	6.82	20	0.14	<0.05	51	<0.13	7.6	0.7	120	456	N/A
7	Nigel R51 Road Bridge to Balfour S 26 25.676 E 28 30.196	Jan		<0.01	<20	67.9	91.9	7.69	920	0.3	<0.05	30.1	<0.13	8.14	0.37	75.5	219	N/A
		Feb		<0.01	21	55	65	7.21	13000	0.31	<0.05	19	<0.13	8.1	0.4	51	115	N/A
		March		<0.01	<20	64	90	7.75	81	0.24	<0.05	30	<0.13	8.1	0.4	75	219	N/A
8	Nigel stormwater canal on R42 Road S 26 24.929 E 28 27.960	Jan		no flow														
		Feb		<0.01	<20	28	48	7.14	150	0.38	<0.05	N/A	<0.13	7.9	0.00	N/A	120	N/A
		March		<0.01	<20	29	51	7.45	41	0.36	<0.05	N/A	<0.13	7.9	<0.00	N/A	122	N/A
9	Poortjie Road on Blesbokspruit S 26 28.720 E 28 25.530	Jan		<0.01	20	66.6	86.7	7.11	670	0.28	<0.05	28.4	2.32	7.97	0.33	75.1	249	N/A
		Feb		<0.01	23	54	62	6.89	1160	0.30	<0.05	18	0.39	8.1	0.4	50	110	N/A
		March		<0.01	<20	62	82	7.15	49	0.25	<0.05	27	2.60	8.0	0.3	71	230	N/A
10	Stream from Duduza at Kaydale S 26 28.623 E 28 24.261	Jan		5.09	28	37.2	46.7	N/A	700	N/A	N/A	N/A	3.71	7.4	0.74	N/A	40.1	N/A
		Feb		4.9	32	34	44	N/A	490000	N/A	N/A	N/A	2.72	7.4	0.5	N/A	44	N/A
		March		5.4	29	36	44	N/A	300	N/A	N/A	N/A	3.09	7.4	0.7	N/A	42	N/A
11	Colliery point on Suikerbosrand S 26 37.793 E 28 17.797	Jan		<0.01	31	15.7	25.7	N/A	560	0.24	N/A	11.4	1.16	7.31	0.04	18.4	20.8	N/A
		Feb		<0.01	33	15	27	N/A	150	0.24	N/A	11	<0.13	7.4	0.06	16	15	N/A
		March		<0.01	30	18	26	N/A	270	0.21	N/A	14	<0.13	7.4	0.01	23	15	N/A
12	Suikerbosrand River @ Vereeniging S 26 40.891 E 28 03.034	Jan		<0.01	21	60.6	79.4	N/A	240	0.27	N/A	25.9	1.59	7.92	0.19	66.7	233	N/A
		Feb		<0.01	23	54	61	N/A	84	0.30	N/A	15	1.31	8.0	0.3	41	108	N/A
		March		<0.01	24	58	70	N/A	200	0.24	N/A	26	1.46	7.9	0.3	77	160	N/A

Key

4	Cowles Dam S 26 12.288 E 28 27.292	Jan	0.050	2.5
		Feb	0.080	2.6
		March	<0.05	1.2

Water Quality Guidelines

	- Ideal
	- Acceptable
	- Tolerable
	- Unacceptable
	- Not analysed