



# EKURHULENI METROPOLITAN MUNICIPALITY

## Quarterly Water Quality Status of the BLESBOKSPRUIT Catchment

As on 2017/01/31

SAMPLE POINT	QUARTER	ELEMENT													
		AL_TOT	COD	CONDUCTIVITY	FCOLI	FE_TOT	MN_TOT	N	NA	NOX	P	PH	SS	SULPHATES	
BENONI AMATAPAN OUTLET	1	0.2	25.0	65.0	37.0	1.3	0.1	0.5	75.4	6.1	0.1	7.5	16.0	97.0	
	2	0.2	19.0	64.0	30.0	0.9	0.1	2.0	60.2	4.6	0.1	7.6	14.0	89.0	
	3	0.8	55.0	60.0	120.0	1.1	0.1	0.2	60.8	1.4	0.1	8.8	30.0	70.0	
	4	0.1	23.0	58.0	1 200.0	1.2	0.4	0.4	53.5	0.4	0.1	7.6	5.0	69.0	
BENONI CIVIC LAKE OUTLET: TOWN VOORTREKKER ST	1	0.1	11.0	31.0	20.0	0.3	0.1	0.7	25.0	0.1	13.4	7.7	5.0	42.0	
	2	0.1	11.0	32.0	440.0	0.3	0.1	1.5	15.4	0.4	0.1	8.5	5.0	32.0	
	3														
	4	0.2	10.0	33.0	2 400.0	0.4	0.1	0.4	23.0	0.4	0.1	7.7	5.0	37.0	
BENONI HOMESTEAD DAM	1	0.2	11.0	30.0	0.0	0.6	0.1	0.9	22.8	0.1	0.1	8.1	5.0	40.0	
	2	0.1	5.0	33.0	1.0	0.2	0.1	0.2	27.7	0.1	0.1	8.2	5.0	38.0	
	3	0.1	21.0	32.0	15.0	0.2	0.1	0.3	20.4	0.1	0.1	8.1	5.0	75.0	
	4	0.6	40.0	18.0	14.0	0.8	0.1	0.1	10.8	0.5	0.1	8.9	5.0	33.0	
BENONI HOMESTEAD LAKE INLET	1	0.1	5.0	24.0	12.0	0.3	0.1	1.0	16.7	0.4	0.2	8.4	5.0	34.0	
	2	0.2	11.0	28.0	410.0	0.8	0.1	0.2	18.1	0.1	0.1	6.7	10.0	28.0	
	3	0.2	15.0	52.0	430.0	0.4	0.1	0.1	23.8	0.1	0.1	7.8	10.0	37.0	
	4	0.3	5.0	18.0	110.0	0.5	0.1	0.1	10.0	0.3	0.1	7.1	5.0	31.0	
BENONI KLEINFONTEIN LAKE INLET	1	0.1	5.0	62.0	1 900.0	0.2	0.1	0.9	71.3	5.4	0.1	7.6	5.0	90.0	
	2	0.1	5.0	61.0	1 160.0	0.3	0.1	1.2	21.2	3.9	0.1	8.4	5.0	84.0	
	3	0.1	35.0	85.0	7 400.0	0.4	0.1	1.6	55.7	1.0	0.2	8.5	14.0	63.0	
	4	2.5	25.0	59.0	68 000.0	5.7	0.9	0.8	53.7	0.1	0.1	7.8	54.0	66.0	
BENONI KLEINFONTEIN OUTLET: TOWN - PIONEER ST	1	0.1	23.0	38.0	33.0	0.6	0.3	0.7	36.5	0.9	0.1	7.7	5.0	47.0	
	2	0.1	16.0	42.0	310.0	0.4	0.1	1.0	32.5	1.1	0.1	8.2	5.0	51.0	
	3														
	4	0.1	15.0	42.0	200.0	0.2	0.1	0.4	32.0	0.5	0.1	7.8	5.0	53.0	
BENONI MIDDLE LAKE: N12 BETWEEN BUNYAN AND TOM JONES ST	1	0.1	5.0	31.0	90.0	0.4	0.4	0.4	26.8	0.4	0.1	7.7	5.0	31.0	
	2	0.0	5.0	30.0	5 300.0	0.9	1.4	1.3	18.4	1.0	0.1	7.3	5.0	23.0	
	3	0.1	5.0	27.0	530.0	1.1	0.7	0.3	17.6	1.3	0.1	7.3	5.0	21.0	
	4	0.1	22.0	33.0	540.0	0.3	0.1	2.8	21.8	0.1	0.1	8.2	16.0	37.0	
BENONI RYNFIELD DAM OUTLET NEXT TO MAIN ENTRANCE	1	1.0	37.0	25.0	14.0	1.5	0.2	0.3	17.6	0.1	0.1	8.0	51.0	38.0	
	2	0.3	44.0	27.0	39.0	0.6	0.1	0.5	21.0	0.1	0.1	5.5	34.0	29.0	
	3	0.4	69.0	28.0	111 000.0	0.6	0.1	1.1	18.0	0.3	0.1	8.6	52.0	43.0	
	4	0.8	29.0	21.0	310.0	1.2	0.1	0.2	14.7	0.5	0.1	7.9	47.0	33.0	
BENONI RYNFIELD INLET	1														
	2														
	3														
	4	0.1	26.0	25.0	310.0	0.3	0.1	0.1	16.6	0.1	0.1	7.3	5.0	51.0	
BRAKPAN WATER FROM JAN SMUTS DAM ENTERING BLESBOKSPRUIT OF HOSPITAL ROAD	1	2.3	97.0	62.0	57.0	4.4	0.4	5.9	48.2	1.1	0.1	7.7	118.0	90.0	
	2	0.3	15.0	64.0	370.0	0.5	0.1	4.5	75.9	3.0	0.1	7.2	5.0	62.0	
	3	0.6	43.0	64.0	180.0	0.6	0.1	4.0	70.0	3.6	0.2	7.6	23.0	72.0	
	4	0.3	50.0	57.0	4 600.0	0.6	0.1	0.6	62.5	2.7	0.5	7.3	19.0	66.0	
NIGEL DAM AT BOATLAUNCH NEAR DAMWALL VORSTERSKROON	1	0.2	21.0	66.0	6.0	0.2	0.3	0.2	105.9	4.0	0.1	8.1	5.0	140.0	
	2	0.3	5.0	69.0	38.0	0.1	0.2	0.1	100.0	0.2	0.1	8.8	5.0	113.0	
	3	0.2	15.0	161.0	1 800.0	0.2	0.2	0.1	137.8	0.1	0.2	7.6	14.0	605.0	

Quarter 1: 2016/08/01 - 2016/08/31  
 Quarter 3: 2016/10/01 - 2016/10/31





Quarter 2: 2016/09/01 - 2016/09/30  
 Quarter 4: 2016/11/01 - 2016/11/30

<span style="display: inline-block; width: 15px; height: 15px; background-color: #4a90e2; border: 1px solid black;"></span> Ideal	<span style="display: inline-block; width: 15px; height: 15px; background-color: #27ae60; border: 1px solid black;"></span> Acceptable
<span style="display: inline-block; width: 15px; height: 15px; background-color: #f1c40f; border: 1px solid black;"></span> Tolerable	<span style="display: inline-block; width: 15px; height: 15px; background-color: #e74c3c; border: 1px solid black;"></span> Unacceptable

SAMPLE POINT	QUARTER	ELEMENT													
		AL_TOT	COD	CONDUCTIVITY	FCOLI	FE_TOT	MN_TOT	N	NA	NOX	P	PH	SS	SULPHATES	
NIGEL DAM AT BOATLAUNCH NEAR DAMWALL VORSTERSKROON	4	0.2	21.0	181.0	290.0	0.3	0.2	0.1	165.9	0.1	0.3	8.1	5.0	705.0	
NIGEL DAM INFLOW FRED WEGENER ROAD VORSTERSKROON	1	0.1	27.0	84.0	59.0	0.2	0.1	0.1	144.4	0.2	0.1	7.5	5.0	81.0	
	2	0.4	10.0	69.0	37.0	0.3	0.2	0.1	95.3	0.2	0.1	9.1	5.0	112.0	
	3	0.1	21.0	92.0	0.0	0.3	0.1	0.1	125.2	0.1	0.1	8.3	5.0	44.0	
	4	0.2	26.0	180.0	270.0	0.2	0.2	0.1	160.1	0.1	0.3	8.1	5.0	680.0	
SPRINGS ALEXANDA DAM OUTFLOW	1	0.1	22.0	51.0	5.0	0.2	0.1	0.3	50.5	0.7	0.1	7.9	5.0	69.0	
	2	0.4	24.0	50.0	100.0	0.6	0.2	0.8	51.8	0.6	0.2	8.8	14.0	70.0	
	3	0.6	62.0	48.0	190.0	0.4	0.1	0.1	46.7	0.1	0.1	8.6	10.0	78.0	
	4	0.3	71.0	49.0	45.0	0.4	0.1	0.3	54.9	0.1	0.1	9.4	5.0	68.0	
SPRINGS ALEXANDER DAM INFLOW	1	0.1	23.0	51.0	15.0	0.2	0.1	0.2	51.0	0.6	0.1	8.0	11.0	70.0	
	2	0.3	51.0	50.0	71.0	0.5	0.2	0.3	50.2	0.6	0.1	8.1	5.0	69.0	
	3	1.6	72.0	48.0	38.0	1.1	0.1	0.1	49.9	0.6	0.1	8.8	5.0	80.0	
	4	0.5	52.0	49.0	56.0	0.6	0.1	0.2	55.0	0.6	0.2	9.5	30.0	70.0	
SPRINGS PAST COWLESDAM	1	0.2	28.0	55.0	560.0	1.5	0.7	2.9	42.3	0.3	0.1	7.8	17.0	50.0	
	2	0.6	14.0	30.0	64.0	2.4	0.6	0.8	13.7	0.3	0.1	7.9	27.0	16.0	
	3	0.6	75.0	49.0	60.0	0.4	0.1	0.1	49.2	0.4	0.1	8.2	23.0	73.0	
	4	1.2	77.0	47.0	72.0	1.3	0.2	1.0	55.0	0.1	0.5	9.0	50.0	68.0	

Quarter 1: 2016/08/01 - 2016/08/31  
Quarter 3: 2016/10/01 - 2016/10/31

Quarter 2: 2016/09/01 - 2016/09/30  
Quarter 4: 2016/11/01 - 2016/11/30

	Ideal		Acceptable
	Tolerable		Unacceptable