



# EKURHULENI METROPOLITAN MUNICIPALITY

## Quarterly Water Quality Status of the BLESBOKSPRUIT Catchment

As on 2016/11/03

SAMPLE POINT	QUARTER	ELEMENT													
		AL_TOT	COD	CONDUCTIVITY	FCOLI	FE_TOT	MN_TOT	N	NA	NA_TOT	NOX	P	PH	SS	SULPHATES
BENONI AMATAPAN OUTLET	1	0.2	31.0	60.0	720.0	0.5	0.1	2.0	62.5		4.1	0.1	7.4	22.0	74.0
	2	0.2	5.0	63.0	360.0	0.4	0.1	0.4	67.4		6.9	0.1	7.6	5.0	92.0
	3	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
	4	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
BENONI CIVIC LAKE OUTLET: TOWN VOORTREKKER ST	1	0.1	38.0	27.0	290.0	0.3	0.1	0.3	18.9		0.1	0.1	7.5	14.0	28.0
	2	0.1	12.0	30.0	24.0	0.4	0.1	0.2	22.2		0.3	0.1	6.7	5.0	39.0
	3	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
	4	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
BENONI HOMESTEAD DAM	1	0.2	5.0	28.0	4.0	0.3	0.1	0.1	21.8		0.7	0.1	7.7	47.0	34.0
	2	0.0	18.0	30.0	9.0	0.2	0.1	0.3	25.4		0.2	0.1	7.0	5.0	32.0
	3	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
	4	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
BENONI HOMESTEAD LAKE INLET	1	0.3	5.0	22.0	170.0	0.5	0.1	0.1	14.9		0.2	0.1	7.5	5.0	30.0
	2	1.0	23.0	26.0	15 000.0	0.8	0.1	0.9	20.9		0.3	0.1	6.7	5.0	38.0
	3	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
	4	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
BENONI KLEINFONTEIN LAKE INLET	1	0.1	30.0	51.0	690.0	0.3	0.1	0.1	46.2		4.1	0.1	7.4	5.0	64.0
	2	0.2	12.0	59.0	390.0	0.3	0.1	0.1	58.3		5.9	0.1	6.4	5.0	93.0
	3	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
	4	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
BENONI KLEINFONTEIN OUTLET: TOWN - PIONEER ST	1	0.1	42.0	32.0	70.0	0.3	0.1	0.1	26.3		0.4	0.1	7.1	10.0	39.0
	2	0.5	103.0	37.0	22.0	1.1	0.8	0.3	30.6		0.9	0.1	7.8	79.0	49.0
	3	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
	4	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
BENONI MIDDLE LAKE: N12 BETWEEN BUNYAN AND TOM JONES ST	1	0.2	128.0	108.0	290.0	0.7	0.1	0.9	73.9		6.2	0.1	7.2	13.0	106.0
	2	0.1	20.0	31.0	140.0	0.4	0.1	0.3	24.0		0.2	0.1	7.8	5.0	40.0
	3	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
	4	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
BENONI RYNFIELD DAM OUTLET NEXT TO MAIN ENTRANCE	1	0.2	54.0	23.0	12.0	0.3	0.1	1.4	16.3		0.7	0.1	7.4	52.0	42.0
	2	0.3	44.0	24.0	6.0	0.4	0.1	0.3	19.5		0.3	0.1	7.6	5.0	28.0
	3	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
	4	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
BENONI RYNFIELD INLET	1	0.1	10.0	40.0	52 000.0	0.3	0.1	3.6	34.9		0.1	0.1	6.1	5.0	25.0
	2														
	3														
	4														
BRAKPAN JAN SMUTS DAM NEXT TO MINE DUMP AT AERATION PUMP	1	0.1	110.0	53.0	2 200.0	0.3	0.1	0.9	54.9		1.5	0.1	8.4	54.0	70.0
	2	0.3	94.0	56.0	3 900.0	0.6	0.1	2.7	60.5		2.4	0.1	8.9	35.0	79.0
	3	0.3	59.0	61.0	1 600.0	0.6	0.1	3.9	44.6		2.1	0.3	7.3	11.0	67.0
	4	1.0	53.0	64.0	430.0	1.9	0.1	4.8	74.6		2.0	0.2	6.6	13.0	63.0
BRAKPAN JAN SMUTS DAM NEXT TO WATER CARE WORKS - END OF PAVED ROAD	1	0.4	43.0	53.0	9.0	0.7	0.1	0.7	56.2		1.5	0.1	8.9	35.0	71.0
	2	0.3	83.0	56.0	12.0	0.8	0.1	2.1	61.6		2.8	0.1	9.1	60.0	89.0
	3	0.4	70.0	61.0	94.0	0.7	0.1	3.7	48.1		2.5	0.2	7.5	19.0	67.0

Quarter 1: 2016/06/01 - 2016/06/30  
 Quarter 3: 2016/08/01 - 2016/08/31





Quarter 2: 2016/07/01 - 2016/07/31  
 Quarter 4: 2016/09/01 - 2016/09/30

Ideal
 Tolerable
 Acceptable
 Unacceptable

SAMPLE POINT	QUARTER	ELEMENT													
		AL_TOT	COD	CONDUCTIVITY	FCOLI	FE_TOT	MN_TOT	N	NA	NA_TOT	NOX	P	PH	SS	SULPHATES
WATER CARE WORKS - END OF PAVED	4	0.6	31.0	63.0	4.0	0.9	0.1	4.9	71.2		1.8	0.1	7.0	5.0	63.0
BRAKPAN JAN SMUTS DAM PUMP STATION OF TALBOT STREET	1	0.4	31.0	54.0	140.0	0.9	0.1	1.3	57.9		1.9	0.1	8.5	10.0	68.0
	2	0.4	64.0	55.0	19.0	0.9	0.1	0.8	60.7		2.6	0.1	7.1	31.0	73.0
	3	6.6	556.0	61.0	5 800.0	19.6	1.0	3.5	57.8		4.0	0.2	7.5	282.0	66.0
	4	0.3	22.0	65.0	240.0	0.5	0.1	4.6	75.5		3.1	0.1	8.6	13.0	64.0
BRAKPAN JAN SMUTS DAM QUARRY OUTFLOW INTO DAM	1	0.5	76.0	53.0	6 400.0	0.8	0.1	0.7	53.6		1.3	0.1	8.7	29.0	70.0
	2	0.3	77.0	55.0	3 200.0	0.6	0.1	0.9	60.6		2.2	0.1	8.4	59.0	47.0
	3	0.3	62.0	61.0	53.0	0.6	0.1	6.1	45.9		1.3	0.4	7.6	5.0	100.0
	4	1.1	32.0	64.0	210.0	1.8	0.2	4.8	75.1		2.3	0.1	7.8	47.0	62.0
BRAKPAN JAN SMUTS DAM STORMWATER INFLOW INTO QUARRY OF BEDFORD STREET	1	0.4	271.0	63.0	3 900 000.0	0.5	0.1	19.9	51.6		0.1	1.7	8.1	96.0	69.0
	2	0.2	139.0	69.0	3 500 000.0	0.4	0.1	9.9	78.7		1.0	1.6	8.4	58.0	63.0
	3	2.9	1 429.0	43.0	2 000.0	4.2	0.3	7.1	44.7		3.0	1.2	7.5	544.0	55.0
	4	0.2	92.0	57.0	38 000.0	0.4	0.1	12.3	57.5		0.3	1.0	8.2	31.0	37.0
BRAKPAN WATER FROM JAN SMUTS DAM ENTERING BLESBOKSPRUIT OF HOSPITAL ROAD	1	0.6	35.0	55.0	200.0	0.9	0.1	2.0	50.2		2.0	0.2	7.9	19.0	70.0
	2	0.2	57.0	55.0	18.0	0.4	0.1	1.9	60.7		2.7	0.1	8.6	42.0	225.0
	3	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
	4	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
NIGEL DAM AT BOATLAUNCH NEAR DAMWALL VORSTERSKROON	1	0.1	16.0	60.0	8.0	0.2	0.2	0.1	76.6		0.2	0.1	8.3	5.0	50.0
	2	0.2	33.0	68.0	2.0	0.2	0.3	0.1	75.7		0.1	0.1	6.8	5.0	100.0
	3	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
	4	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
NIGEL DAM INFLOW FRED WEGENER ROAD VORSTERSKROON	1	0.1	11.0	63.0	11.0	0.2	0.2	0.6	73.1		0.1	0.1	8.3	5.0	96.0
	2	0.2	5.0	68.0	2.0	0.2	0.3	0.1	75.3		0.1	0.1	7.3	14.0	101.0
	3	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
	4	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
SPRINGS ALEXANDA DAM OUTFLOW	1	0.1	5.0	46.0	16.0	0.3	0.1	0.1	38.9		0.5	0.1	9.5	5.0	60.0
	2	0.1	5.0	45.0	27.0	0.3	0.1	0.2	54.4		0.4	0.1	7.0	18.0	62.0
	3	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
	4	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
SPRINGS ALEXANDER DAM INFLOW	1	0.6	72.0	46.0	22.0	0.3	0.1	0.1	39.9		0.4	0.1	9.2	5.0	60.0
	2	0.1	5.0	38.0	23.0	0.2	0.1	0.1	47.5		0.3	0.1	6.2	5.0	62.0
	3	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
	4	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
SPRINGS PAST COWLESDAM	1	4.1	5.0	47.0	190.0	6.2	0.6	0.1	39.5		0.4	0.1	8.4	146.0	65.0
	2	2.6	5.0	47.0	2.0	4.7	0.9	0.6	52.3		0.4	0.1	7.4	259.0	61.0
	3	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
	4	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

Quarter 1: 2016/06/01 - 2016/06/30  
Quarter 3: 2016/08/01 - 2016/08/31

Quarter 2: 2016/07/01 - 2016/07/31  
Quarter 4: 2016/09/01 - 2016/09/30

 Ideal
 Tolerable
 Acceptable
 Unacceptable