



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	32.0	46.3	1005.7	0.9	0.1	0.8	38.4	2.4	0.2	6.9	17.7	48.3	
	2	0.2	23.7	58.0	526.7	0.6	0.1	0.9	45.1	3.2	0.1	7.1	18.7	71.3	
	3	0.2	16.3	64.0	142.3	0.9	0.1	1.0	67.7	5.9	0.1	7.6	11.7	92.7	
	4	0.5	39.0	59.0	660.0	1.2	0.3	0.3	57.2	0.9	0.1	8.2	17.5	69.5	
BENONI CIVIC LAKE OUTLET: TOWN VOORTREKKER ST	1	0.2	24.7	26.0	316.7	0.5	0.2	0.1	17.5	0.1	0.1	7.3	9.7	29.0	
	2	0.2	27.3	26.0	913.3	0.4	0.1	0.3	16.2	0.5	0.1	7.3	17.0	27.3	
	3	0.1	11.3	31.0	161.3	0.3	0.1	0.8	20.9	0.3	4.5	7.6	5.0	37.7	
	4	0.2	10.0	33.0	2400.0	0.4	0.1	0.4	23.0	0.4	0.1	7.7	5.0	37.0	
BENONI HOMESTEAD DAM	1	0.1	55.3	23.3	390.0	0.3	0.1	0.2	16.3	0.3	0.1	7.5	12.7	25.0	
	2	0.1	13.3	28.3	671.0	0.2	0.1	0.5	22.8	0.3	0.1	7.8	19.0	32.0	
	3	0.1	11.3	31.0	3.3	0.3	0.1	0.5	25.3	0.1	0.1	7.8	5.0	36.7	
	4	0.3	30.5	25.0	14.5	0.5	0.1	0.2	15.6	0.3	0.1	8.5	5.0	54.0	
BENONI HOMESTEAD LAKE INLET	1	0.4	36.0	20.0	7133.3	0.6	0.1	0.2	12.4	0.1	0.1	7.5	5.0	25.0	
	2	0.5	14.0	23.3	1133.3	0.9	0.1	0.2	15.9	0.4	0.1	7.7	9.7	27.3	
	3	0.4	13.0	26.0	5140.7	0.6	0.1	0.7	18.6	0.3	0.1	7.3	6.7	33.3	
	4	0.3	10.0	35.0	270.0	0.5	0.1	0.1	16.9	0.2	0.1	7.4	7.5	34.0	
BENONI KLEINFONTEIN LAKE INLET	1	0.2	25.0	47.0	28400.0	1.0	0.1	0.3	40.8	0.8	0.1	8.1	12.3	55.3	
	2	0.1	21.0	54.0	30896.7	0.4	0.1	0.2	42.7	3.1	0.1	7.7	8.0	65.7	
	3	0.1	7.3	60.7	1150.0	0.2	0.1	0.7	50.3	5.1	0.1	7.5	5.0	89.0	
	4	1.3	30.0	72.0	37700.0	3.0	0.5	1.2	54.7	0.5	0.1	8.1	34.0	64.5	
BENONI KLEINFONTEIN OUTLET: TOWN - PIONEER ST	1	0.1	19.0	50.0	299.3	0.3	0.1	0.2	40.0	1.9	0.1	7.6	6.7	37.3	
	2	0.1	21.0	30.0	60.7	0.4	0.1	0.1	21.9	0.3	0.1	7.1	13.0	33.7	
	3	0.2	47.3	39.0	121.7	0.7	0.4	0.7	33.2	1.0	0.1	7.9	29.7	49.0	
	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	20.0	47.0	530.0	0.6	0.2	0.2	37.9	4.6	0.1	7.3	12.0	40.7	
	2	0.1	54.3	53.0	153.3	0.6	0.3	1.1	34.9	2.2	0.2	7.3	10.0	54.3	
	3	0.1	10.0	30.7	1843.3	0.6	0.6	0.7	23.1	0.5	0.1	7.6	5.0	31.3	
	4	0.1	13.5	30.0	535.0	0.7	0.4	1.5	19.7	0.7	0.1	7.8	10.5	29.0	
BENONI RYNFIELD DAM OUTLET NEXT TO MAIN ENTRANCE	1	0.7	56.0	22.0	3693.3	0.9	0.1	0.3	13.7	0.2	1.3	7.5	17.7	30.0	
	2	0.4	35.0	22.7	48.7	0.5	0.1	0.7	16.6	0.7	0.1	7.2	41.0	32.0	
	3	0.5	41.7	25.3	19.7	0.8	0.1	0.4	19.4	0.2	0.1	7.0	30.0	31.7	
	4	0.6	49.0	24.5	55655.0	0.9	0.1	0.6	16.4	0.4	0.1	8.3	49.5	38.0	
BENONI RYNFIELD INLET	1	0.1	48.0	30.0	580.0	0.3	0.1	0.1	31.5	0.1	0.1	7.1	34.0	22.3	
	2	0.0	6.7	41.0	17401.0	0.4	0.1	1.4	39.4	0.1	0.1	6.8	5.0	13.7	
	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	0.4	124.0	46.3	3023.3	1.0	0.1	0.9	48.5	0.9	0.3	7.7	73.3	37.3	
	2	0.4	29.7	44.0	140.0	0.9	0.1	2.5	51.4	1.3	0.3	7.8	16.0	49.7	
	3	0.9	56.3	60.3	148.3	1.8	0.2	4.1	61.6	2.3	0.1	7.8	55.0	125.7	
	4	0.5	46.5	60.5	2390.0	0.6	0.1	2.3	66.3	3.2	0.3	7.4	21.0	69.0	
NIGEL DAM AT BOATLAUNCH NEAR DAMWALL VORSTERSKROON	1	0.4	20.7	74.0	62.0	0.3	0.2	1.5	67.6	0.8	0.1	7.6	13.3	105.7	
	2	0.2	15.3	60.3	12.3	0.2	0.2	0.1	77.0	0.2	0.1	7.6	5.0	76.3	
	3	0.2	19.7	67.7	15.3	0.2	0.3	0.1	93.9	1.4	0.1	7.9	5.0	117.7	

Quarter 1: 2016/01/01 - 2016/03/31
 Quarter 3: 2016/07/01 - 2016/09/30

Quarter 2: 2016/04/01 - 2016/06/30
 Quarter 4: 2016/10/01 - 2016/12/31



	Ideal		Acceptable
	Tolerable		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	18.0	171.0	1045.0	0.2	0.2	0.1	151.9	0.1	0.3	7.8	9.5	655.0
NIGEL DAM INFLOW FRED WEGENER ROAD VORSTERSKROON	1	0.8	44.3	89.7	230.0	1.9	2.8	0.4	124.9	0.1	0.3	7.8	32.7	154.0
	2	0.2	12.0	61.7	11.3	0.2	0.3	0.3	74.5	0.1	0.1	8.2	5.0	90.7
	3	0.2	14.0	73.7	32.7	0.2	0.2	0.1	105.0	0.2	0.1	8.0	8.0	98.0
	4	0.2	23.5	136.0	135.0	0.2	0.1	0.1	142.6	0.1	0.2	8.2	5.0	362.0
SPRINGS ALEXANDA DAM OUTFLOW	1	0.7	39.7	48.0	58.0	1.1	0.3	0.2	36.4	0.1	0.1	7.8	39.0	48.7
	2	0.5	17.3	42.0	25.3	0.8	0.2	1.1	34.3	0.4	0.1	8.4	19.0	56.3
	3	0.2	17.0	48.7	44.0	0.3	0.1	0.4	52.2	0.6	0.1	7.9	12.3	67.0
	4	0.5	66.5	48.5	117.5	0.4	0.1	0.2	50.8	0.1	0.1	9.0	7.5	73.0
SPRINGS ALEXANDER DAM INFLOW	1	1.4	40.0	48.0	186.7	2.3	0.4	0.2	41.7	0.2	0.1	7.5	122.3	101.0
	2	0.8	42.0	42.0	510.3	1.1	0.2	0.3	33.7	0.3	0.1	8.2	32.0	57.0
	3	0.2	26.3	46.3	36.3	0.3	0.1	0.2	49.6	0.5	0.1	7.4	7.0	67.0
	4	1.1	62.0	48.5	47.0	0.9	0.1	0.2	52.5	0.6	0.2	9.1	17.5	75.0
SPRINGS PAST COWLESDAM	1	1.9	57.0	48.3	143.3	3.1	0.7	0.5	39.0	0.4	0.2	7.5	72.7	55.0
	2	4.2	40.0	39.7	3103.3	7.1	1.1	0.5	26.3	0.4	0.1	7.6	185.7	55.3
	3	1.1	15.7	44.0	208.7	2.9	0.7	1.4	36.1	0.3	0.1	7.7	101.0	42.3
	4	0.9	76.0	48.0	66.0	0.9	0.1	0.5	52.1	0.2	0.3	8.6	36.5	70.5

Quarter 1: 2016/01/01 - 2016/03/31
Quarter 3: 2016/07/01 - 2016/09/30

Quarter 2: 2016/04/01 - 2016/06/30
Quarter 4: 2016/10/01 - 2016/12/31

 Ideal
 Tolerable

 Acceptable
 Unacceptable