

Quality of Water in the Vaal Barrage Reservoir

Date Sampled 3 November 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

Escherichia coli (E.coli) Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	344	3	1,414	9,850	5,200	194	10	104	1,732,900
Last Week	313	6	921	1,553	54,750	7	2	2,420	2,000	3

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

Blue Green Algae Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	121	1,295	575	1,086	483	362	845	1,086	1,810
Last Week	228	137	1,689	965	548	40	345	483	1,932	121

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

Algal Pigments Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	34	27	54	94	115	29	82	33
Last Week	2	6	13	18	11	5	9	40	26	16

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

* If ingested. X Sample not received / no data available. Reports generated every Friday of the year.

DISCLAIMER: Although Rand Water has made every endeavour to make an accurate assessment of the parameters described above (based on published South African and international criteria), neither Rand Water, nor any of its officials, shall be responsible for any damage or health related problems that may result due to the use of the Vaal Barrage Reservoir for any purpose. The values reported are only an indicator of water quality, and low numbers are no guarantee of safe water.