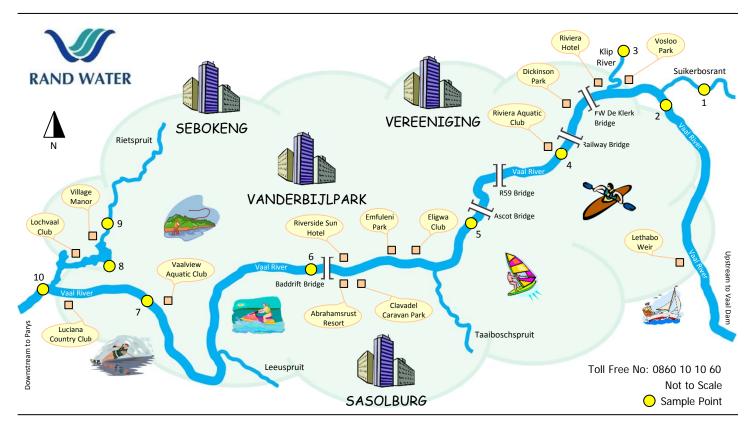
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 26 February 2020



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

Escherichia coli		E.coli counts per 100ml at sample points											
(E.coli) Predicted symptoms		1	2	;	3	4	5	6	7	3	3	9	10
include:	This Week	236	26	13,	200	1,300	36,540	517	1	11	17	89,100	17
Skin irritations, infections & intestinal disorders*	Last Week	816	34 6		13	13,960	57,940	517	238	1	1	7,270	8
Guideline		Low risk of gastrointestinal disorders <i>E.coli</i> < 130 counts/100ml			Slight risk of gastrointestinal disorders <i>E.coli</i> 130 - 200 counts/100ml		Significant risk of gastrointestinal disorders <i>E.coli</i> 200 - 400 counts/100ml			High risk of gastrointestinal disorders <i>E.coli</i> > 400 counts/100ml			

Blue Green Algae		Blue Green algae counts at sample points											
Predicted symptoms	Last This Week Week	1	2	3	4	5	6	7	8	9	10		
include: Skin irritations, infections		724	241	1,327	3,741	3,620	5,171	4,344	230,715	6,757	12,335		
& intestinal disorders*		579	724	603	1,086	5,430	8,567	2,051	53,670	13,756	55,869		
Guideline			Low Risk lue Green al 20,000 cell	gae	2	Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml				High Risk Blue Green algae > 100,000 cells/ml			

1	Algal Pigments Predicted nuisance	Algal pigments expressed as Chlorophyll-a levels at sample points											
		1	2	3	4	5	6	7	8	9	10		
	conditions include: 설흥 Scums & smells	0	8	5	2	14	33	92	226	12	36		
	Scallis & sillelis	4	7	4	18	18	32	38	151	75	85		
	Guideline	Chlo	Low Risk prophyll-a <		(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.