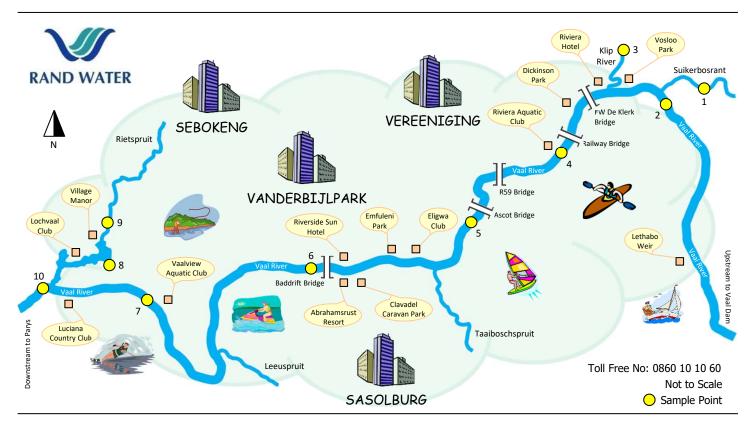
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 3 June 2020



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

Skin irritations intections		E.coli counts per 100ml at sample points											
		1	2	3	3	4	5	6	7		8	9	10
	This Week	96	36 1,7		'33	7,430	17,890	40	3	1,	300	129,970	5
	Last Week	120	31	6,1	.30	6,630	2,420	153	6	2	272	41,060	13
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 E.coli > 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		40	161	< 40	< 40	1,086	839	105	1,086	362	241		
& intestinal disorders*		121	764	< 40	40	201	523	362	1,327	161	293		
Guideline			Low Risk Blue Green al 20,000 cel	gae	2	Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml				High Risk Blue Green algae > 100,000 cells/ml			

Pro CO	Algal Pigments	Algal pigments expressed as Chlorophyll-a levels at sample points											
	Predicted nuisance	1	2	3	4	5	6	7	8	9	10		
	conditions include: 플힐	2	6	3	5	14	10	18	177	24	76		
	Scall & Sillelis	3	4	6	4	15	5	32	237	16	48		
	Guideline	Chle	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.