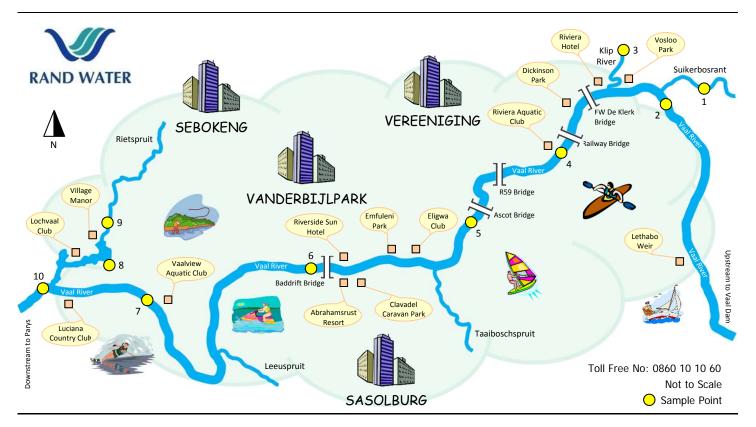
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 26 June 2019



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	Last This Week Week	1	2	3	3	4	5	6	7		8	9	10
include:		43	38 2		91	11,780	4,352	23	11	9	80	7,170	24
Skin irritations, infections & intestinal disorders*		81	91 2,4		20	23,820	697	26	22	8	66	14,140	88
Guideline		Low risk of gastrointestinal disorders <i>E.coli</i> < 130 counts/100ml			Slight risk of gastrointestinal disorde <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	This Week	1	2	3	4	5	6	7	8	9	10		
include: Skin irritations, infections		386	1,207	2,051	845	1,327	724	362	1,689	845	845		
& intestinal disorders*	Last Week	483	40	1,724	277	241	80	362	603	603	1,426		
Guideline		Low Risk Blue Green algae < 20,000 cells/ml			2	Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml				High Risk Blue Green algae > 100,000 cells/ml			

	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: 설팅	1	4	6	5	12	2	9	107	11	46		
	Scallis & siliells	1	5	8	10	16	5	26	35	24	41		
	Guideline	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.