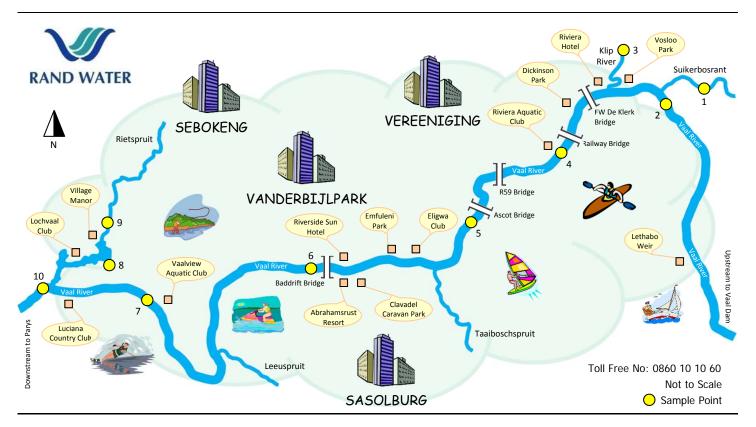
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 2 January 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	1	4	5	6	7		8	9	10
include:		219	29	No E	Data	3,640	2,420	78	261	2	261	3,784	461
Skin irritations, infections & intestinal disorders*		326	4 30		8	11,450	1,553	146 18		99		48,840	20
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 & intestinal disorders*		159	3,333	< 40	< 40	3,229	358,414	22,818	9,364	969	176,624	
		417	13,669	< 40	646	1,184	6,243	40,254	196,643	6,458	87,827	
Low Risk Guideline 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: 결정	7	10	13	21	21	845	30	33	10	109		
	Scalliz & stiletis	10	65	4	20	10	270	51	164	133	103		
	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.