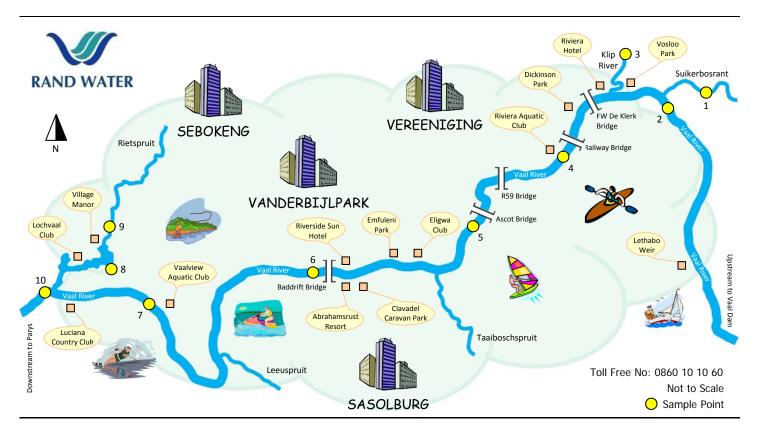
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 6 February 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 include:	Last This Week Week	1	2	3	}	4	5	6	7		8	9	10
		326	7	3,1	30	1,203 1,733 2		1	146		77,101	0	
Skin irritations, infections & intestinal disorders*		816	816 9 14		14,210	1,553	4,280	8	1	1		24,810	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 Predicted symptoms		Blue Green algae counts at sample points											
	This Week	1	2	3	4	5	6	7	8	9	10		
include: Skin irritations, infections		0	32,828	1,507	1,399	5,704	2,906	4,090	57,152	1,174	35,196		
& intestinal disorders*	Last Week	44	11,839	< 40	215	22,280	17,329	20,558	123,346	215	4,843		
Guideline	Low Risk ine 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: 멸종	5	20	4	11	30	69	12	191	27	43		
	Scalls & siliens	6	7	10	44	34	1,211	29	171	25	47		
	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.