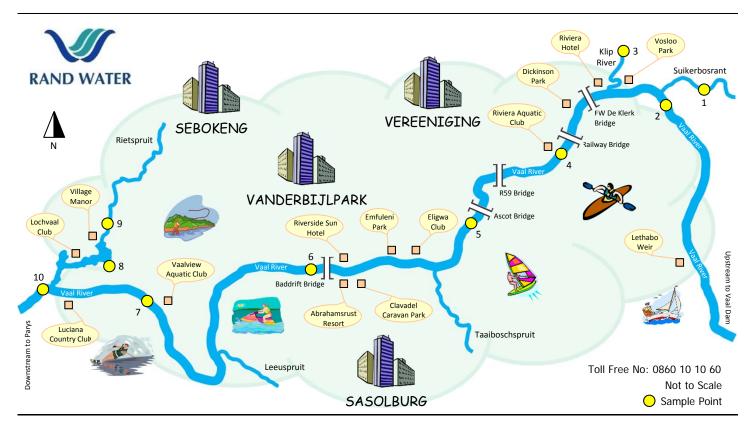
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 14 March 2018



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:		687	15 12,		740	2,420	3,550	99	40	6	57	11,530	161
Skin irritations, infections & intestinal disorders*		548	17 2,0		90	1,120	520	65	7	2	23	16,640	2
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		disorders - 200	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 include: Skin irritations, infections		Blue Green algae counts at sample points											
	This Week	1	2	3	4	5	6	7	8	9	10		
		< 40	18,824	121	8,447	3,379	11,825	3,741	2,293	362	25,702		
& intestinal disorders*	Last Week	< 40	4,103	389	804	10,136	1,689	26,667	5,430	156	33,907		
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: 결정	3	20	5	11	20	50	26	86	8	16		
	Scallis & Silielis	10	16	10	14	58	95	39	67	11	46		
	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.