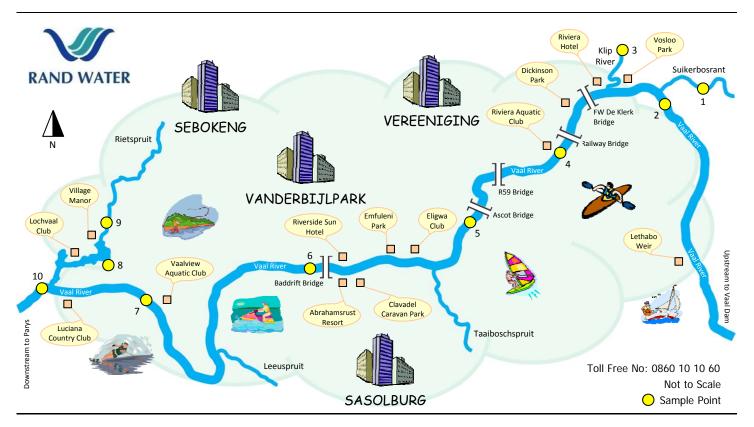
Quality of Water in the Vaal Barrage Reservoir

Date Sampled 13 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	Last This Week Week	1	2	3	3	4	5	6	7		8	9	10
include:		435	25	1,3	00	2,420	3,500	38	7	1,0	046	7,430	4
Skin irritations, infections & intestinal disorders*		326	7	3,1	30	1,203	1,733	2	2 1 14		46	77,101	0
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	This Week	1	2	3	4	5	6	7	8	9	10		
include: Skin irritations, infections		241	8,611	591	251	1,399	3,299	12,485	269	2,252	1,399		
& intestinal disorders*	Last Week	0	32,828	1,507	1,399	5,704	2,906	4,090	57,152	1,174	35,196		
Guideline			Low Risk Blue Green al 20,000 cell	gae	2	Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml				High Risk Blue Green algae > 100,000 cells/ml			

	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: ﷺ Scums & smells	6	18	127	14	22	64	41	61	5	50		
	Scalls & siliens	5	20	4	11	30	69	12	191	27	43		
	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.