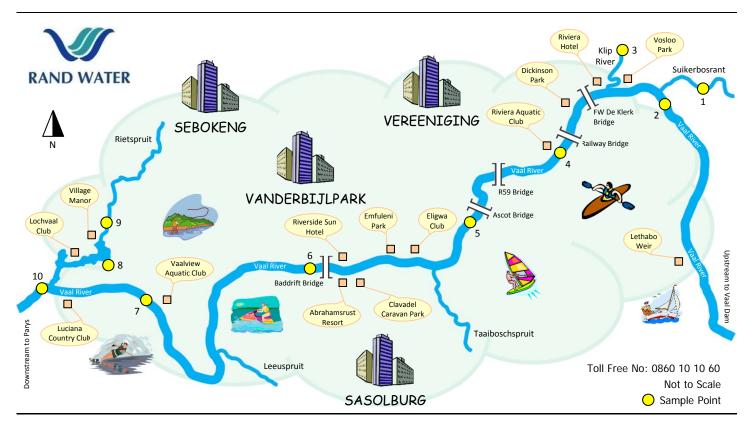
## **Quality of Water in the Vaal Barrage Reservoir**

Date Sampled 21 August 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:		1	2	3		4	5	6	7		8	9	10
	This Week	96	10	9,0	90	4,480	32,550	32	2	11,	,980	488,400	58
Skin irritations, infections & intestinal disorders*	Last Week	145	9	34	5	13,960	1,203	179	6	5	79	36	56
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		208	108	431	94	108	323	187	2,691	753	< 40		
& intestinal disorders*	Last Week	< 40	< 40	108	< 40	1,973	215	98	108	108	215		
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 conditions include: ﷺ  Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points											
		1	2	3	4	5	6	7	8	9	10		
		4	6	9	14	66	69	20	169	45	348		
	Scalls & siliens	< 2	5	5	7	25	56	41	100	10	83		
	Guideline	Chlo	Low Risk prophyll-a <		(	Moderate Risk Chlorophyll-a 15 - 30ug/l				High Risk Chlorophyll-a > 30ug/l			

<sup>\*</sup> If ingested. X Sample not received / no data available. Reports generated every Friday of the year.