

# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 29 December 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	6,200	179	86,640	6,090	3,130	4,100	866	2,420	155,310
Last Week	1,046	57	57,940	13,960	2,420	416	135	866	488,400	46

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	12,308	483	2,614	2,413	1,931	2,172	2,308	1,207	1,086
Last Week	497	10,619	905	1,327	2,413	1,264	644	3,982	2,172	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	10	11	9	10	11	13	17	38	8
Last Week	3	17	4	6	6	6	11	26	8	36

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 22 December 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,046	57	57,940	13,960	2,420	416	135	866	488,400
Last Week	2,420	21	23,100	548	1,300	1,733	866	2,310	32,550	135

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	497	10,619	905	1,327	2,413	1,264	644	3,982	2,172
Last Week	5,793	45,009	644	724	839	121	391	121	290	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	17	4	6	6	6	11	26	8
Last Week	13	32	6	7	4	4	6	31	7	26

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 15 December 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,420	21	23,100	548	1,300	1,733	866	2,310	32,550
Last Week	X	114	X	2,420	1,203	326	82	5,040	X	866

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	5,793	45,009	644	724	839	121	391	121	290
Last Week	40	1,569	< 40	40	74	121	40	69	40	161

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	13	32	6	7	4	4	6	31	7
Last Week	28	13	10	6	5	6	14	11	1	14

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 8 December 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	X	114	X	2,420	1,203	326	82	5,040	X
Last Week	435	16	10,360	1,986	1,414	764970	35	2,420	27,230	308

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	1,569	< 40	40	74	121	40	69	40
Last Week	2,263	4,103	1,532	1,207	1,689	1,207	3,741	< 40	724	6,188

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	28	13	10	6	5	6	14	11	1
Last Week	15	9	3	7	9	14	49	26	4	36

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 1 December 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	435	16	10,360	1,986	1,414	649	35	2,420	27,230
Last Week	435	12	5,560	23,820	1,733	770	2	55	155,310	13

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,263	4,103	1,532	1,207	1,689	1,207	3,741	< 40	724
Last Week	948	2,413	734	1,082	1,448	3,258	13,756	< 40	1,096	1,049

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	15	9	3	7	9	14	49	26	4
Last Week	3	14	7	9	30	21	38	111	39	15

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 24 November 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	435	12	5,560	23,820	1,733	770	2	55	155,310
Last Week	411	12	1,733	980	155	6	6	5	241,960	15

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	948	2,413	734	1,082	1,448	3,258	13,756	< 40	1,096
Last Week	499	2,069	965	603	2,655	121	2,218	151	1,810	644

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	14	7	9	30	21	38	111	39
Last Week	2	25	30	20	57	22	51	116	34	59

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 17 November 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	411	12	1,733	980	155	6	6	5	241,960
Last Week	1,300	46	104,620	1,414	13,740	1,986	8	38,730	387,300	16

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	499	2,069	965	603	2,655	121	2,218	151	1,810
Last Week	181	4,022	770	1,689	2,051	1,034	1,122	603	315	845

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	25	30	20	57	22	51	116	34
Last Week	7	8	32	5	15	2	8	84	26	15

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 10 November 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,300	46	104,620	1,414	13,740	1,986	8	38,730	387,300
Last Week	344	3	1,414	9,850	5,200	194	10	104	1,732,900	16

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	181	4,022	770	1,689	2,051	1,034	1,122	603	315
Last Week	121	1,295	575	1,086	483	362	845	1,086	1,810	965

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	7	8	32	5	15	2	8	84	26
Last Week	4	34	27	54	94	115	29	82	33	46

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 3 November 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	344	3	1,414	9,850	5,200	194	10	104	1,732,900
Last Week	313	6	921	1,553	54,750	7	2	2,420	2,000	3

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	121	1,295	575	1,086	483	362	845	1,086	1,810
Last Week	228	137	1,689	965	548	40	345	483	1,932	121

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	34	27	54	94	115	29	82	33
Last Week	2	6	13	18	11	5	9	40	26	16

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 27 October 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	313	6	921	1,553	54,750	7	2	2,420	2,000
Last Week	613	9	7,940	649	11,300	13	7	1,120	241,960	11

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	228	137	1,689	965	548	40	345	483	1,931
Last Week	517	333	743	1,207	965	684	402	483	433	1,327

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	6	13	18	11	5	9	40	26
Last Week	3	6	8	36	24	14	13	292	124	157

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 20 October 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	613	9	7,940	649	11,300	13	7	1,120	241,960
Last Week	173	16	6,570	1,553	196	613	6	110	129,970	17

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	517	333	743	1,207	965	684	402	483	433
Last Week	157	1,931	1,207	1,649	469	603	1,619	2,172	1,207	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	6	8	36	24	14	13	292	124
Last Week	2	13	2	28	52	24	139	90	70	13

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 13 October 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	173	16	6,570	1,553	196	613	6	110	129,970
Last Week	249	33	19,290	1,986	4,100	42	42	866	141,360	17

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	157	1,931	1,207	1,649	469	603	1,619	2,172	1,207
Last Week	182	< 40	776	121	121	603	< 40	14,239	1,086	< 40

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	13	2	28	52	24	139	90	70
Last Week	4	18	18	9	21	82	148	493	57	26

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 6 October 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	249	33	19,290	1,986	4,100	42	42	866	141,360
Last Week	248	11	1,733	17,250	1,046	50	11	7,080	770,100	17

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	182	< 40	776	121	121	603	< 40	14,239	1,086
Last Week	161	362	1,569	1,207	483	724	724	241	1,689	32,821

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	18	18	9	21	82	148	493	57
Last Week	2	16	29	29	130	55	191	321	52	90

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 29 September 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	248	11	1,733	17,250	1,046	50	11	7,080	770,100
Last Week	276	38	4,080	11,530	5,370	55	5	1,414	727,000	365

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	161	362	1,569	1,207	483	724	724	241	1,689
Last Week	< 40	142	362	905	1,316	603	121	965	1,569	362

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	16	29	29	130	55	191	321	52
Last Week	25	7	8	6	11	22	27	158	38	126

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 22 September 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	E.coli counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	276	38	4,080	11,530	5,370	55	5	1,414	727,000
Last Week	219	12	1,046	34,480	17,820	44	13	2,420	387,300	81

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	142	362	905	1,316	603	121	965	1,569
Last Week	201	676	623	845	658	845	341	362	1,689	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	25	7	8	6	11	22	27	158	38
Last Week	2	17	4	5	9	104	189	195	24	111

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 15 September 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	219	12	1,046	34,480	17,820	44	13	2,420	387,300
Last Week	276	1	20,460	23,820	1,986	57	11	1,553	686,700	15

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	201	676	623	845	658	845	241	362	1,689
Last Week	80	< 40	804	177	483	268	603	2,896	362	121

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	17	4	5	9	104	189	195	24
Last Week	3	55	10	13	11	40	73	239	23	210

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 8 September 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	276	1	20,460	23,820	1,986	57	11	1,553	686,700
Last Week	148	1	1,203	7,760	260	22	6	921	209,800	44

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	80	< 40	804	177	483	268	603	2,896	362
Last Week	161	845	724	543	241	965	603	241	282	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	55	10	13	11	40	73	239	23
Last Week	4	51	3	15	48	70	127	90	6	92

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 1 September 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	148	1	1,203	7,760	260	22	6	921	209,800
Last Week	166	7	2,420	34,480	548	69	7	236	378,300	17

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	161	845	724	543	241	965	603	241	282
Last Week	< 40	483	80	418	362	121	121	121	302	362

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	51	3	15	48	70	127	90	6
Last Week	2	33	2	6	16	69	78	81	44	37

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 25 August 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	166	7	2,420	34,480	548	69	7	236	387,300
Last Week	179	0	4,650	20,140	1,414	186	16	1,300	198,630	285

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	483	80	418	362	121	121	121	302
Last Week	40	603	483	210	250	121	121	483	845	483

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	33	2	6	16	69	78	81	44
Last Week	2	25	2	13	18	79	33	25	29	29

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 18 August 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	179	0	4,650	20,140	1,414	186	16	1,300	198,630
Last Week	166	3	36,540	14,970	1,460	12	9	1,986	290,900	74

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	603	483	210	250	121	121	483	845
Last Week	121	362	19,910	4,947	3,741	12,429	13,515	58,403	16,619	34,752

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	25	2	13	18	79	33	25	29
Last Week	4	23	8	15	27	46	29	103	35	66

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 11 August 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	166	3	36,540	14,970	1,460	12	9	1,986	290,900
Last Week	83	0	54,500	3,360	10,500	19	2	326	32,550	23

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	121	362	19,910	4,947	3,741	12,429	13,515	58,403	16,619
Last Week	1,810	362	33,666	6,033	13,072	23,771	3,741	16,411	50,559	3,397

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	23	8	15	27	46	29	103	35
Last Week	7	14	7	13	8	87	51	103	37	208

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 4 August 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	83	0	54,500	3,360	10,500	19	2	326	32,550
Last Week	68	5	5,880	13,960	2,310	10	3	206	16,580	12

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,810	362	33,666	6,033	13,072	23,771	3,741	16,411	50,559
Last Week	442	3,499	18,945	10,498	11,705	26,426	7,119	11,101	15,928	3,499

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	7	14	7	13	8	87	51	103	37
Last Week	2	14	5	13	20	62	16	28	30	14

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 28 July 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	68	5	5,880	13,960	2,310	10	3	206	16,580
Last Week	127	2	10,460	38,730	1,046	16	6	155	24,950	3

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	442	3,499	18,945	10,498	11,705	26,426	7,119	11,101	15,928
Last Week	1,940	345	30,408	1,408	2,172	724	2,413	1,569	24,254	2,051

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	14	5	13	20	62	16	28	30
Last Week	3	13	3	21	20	37	87	191	18	51

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 21 July 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	127	2	10,460	38,730	1,046	16	6	155	24,950
Last Week	91	40	12,910	13,140	3,230	154	411	387	86,640	1

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,940	345	30,408	1,408	2,172	724	2,413	1,569	24,254
Last Week	2,293	523	27,150	10,136	4,827	1,609	3,741	27,874	43,319	14,963

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	13	3	21	20	37	87	191	18
Last Week	4	10	3	5	3	4	36	380	11	13

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 7 July 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	91	40	12,910	13,140	3,230	154	411	387	86,640
Last Week	140	16	7,330	86,640	770	167	1	416	3,230	7

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,293	523	27,150	10,136	4,827	1,609	3,741	27,874	43,319
Last Week	2,963	2,640	40,061	16,049	603	754	15,807	31,132	29,081	22,203

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	10	3	5	3	4	36	380	11
Last Week	1	14	3	3	4	12	71	315	8	109

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 30 June 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	140	16	7,330	86,640	770	167	1	416	3,230
Last Week	121	36	15,530	249	22	140	2	313	46,110	62

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,963	2,640	40,061	16,049	603	754	15,807	31,132	29,081
Last Week	1,609	1,569	33,425	8,849	17,698	11,584	28,719	51,404	17,135	21,599

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	1	14	3	3	4	12	71	315	8
Last Week	4	4	4	3	9	28	300	208	6	218

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 23 June 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	121	36	15,530	249	22	140	2	313	46,110
Last Week	178	219	12,460	22,820	1,300	32	13	70	141,360	11

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,609	1,569	33,425	8,849	17,698	11,584	28,719	51,404	17,135
Last Week	< 40	< 40	23,771	8,008	< 40	6,999	13,635	12,549	28,598	18,100

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	4	4	3	9	28	300	208	6
Last Week	2	12	2	7	44	173	178	439	11	76

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 16 June 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	178	219	12,460	22,820	1,300	32	13	70	141,360
Last Week	135	39	7,490	98,040	1,986	16	2	147	20,640	9

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	< 40	23,771	8,008	< 40	6,999	13,635	12,549	28,598
Last Week	40	18,945	36,321	16,788	1,426	1,272	3,258	47,534	15,807	764

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	12	2	7	44	173	178	439	11
Last Week	8	4	7	2	2	19	53	256	2	92

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 9 June 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	135	39	7,490	98,040	1,986	16	2	147	20,640
Last Week	108	26	1,414	21,870	1,120	125	17	133	16,070	37

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	18,945	36,321	16,788	1,426	1,272	3,258	47,534	15,807
Last Week	1,448	724	19,186	1,498	2,413	3,196	52,289	< 40	12,187	1,508

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	8	4	7	2	2	19	53	256	2
Last Week	2	2	2	2	16	45	123	104	6	40

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 2 June 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	108	26	1,414	21,870	1,120	125	17	133	16,070
Last Week	167	2	5,210	275,500	488	36	10	128	17,230	13

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,448	724	19,186	1,498	2,413	3,196	52,289	< 40	12,187
Last Week	2,775	483	23,444	1,810	724	9,291	15,807	9,050	15,648	1,856

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	2	2	2	16	45	123	104	6
Last Week	6	245	5	5	33	15	27	93	4	18

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 26 May 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	167	2	5,210	275,500	488	36	10	128	17,230
Last Week	365	20	15,510	7,940	1,300	43	5	204	81,640	7

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,775	483	23,444	1,810	724	9,291	15,807	9,050	15,648
Last Week	80	< 40	80	115	241	1,689	2,172	6,878	< 40	362

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	6	245	5	5	33	15	27	93	4
Last Week	3	71	3	7	2	24	14	403	4	21

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 19 May 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	365	20	15,510	7,940	1,300	43	5	204	81,640
Last Week	194	23	6,910	23,820	921	66	5	166	51,720	26

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	80	< 40	80	115	241	1,689	2,172	6,878	< 40
Last Week	161	2,051	161	40	1,448	362	3,499	< 40	172	1,086

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	71	3	7	2	24	14	403	4
Last Week	3	3	4	4	40	46	53	67	14	27

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 12 May 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	194	23	6,910	23,820	921	66	5	166	51,720
Last Week	435	X	34,480	X	X	X	X	X	11,530	X

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	161	2,051	161	40	1,448	362	3,499	< 40	172
Last Week	< 40	X	40	X	X	X	X	X	< 40	X

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	3	4	4	40	46	53	67	14
Last Week	3	X	9	X	X	X	X	X	30	X

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 5 May 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	435	X	34,480	X	X	X	X	X	11,530
<b>Last Week</b>	194	91	4,280	14,390	96	33	22	387	141,360	5

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	< 40	X	40	X	X	X	X	X	< 40
<b>Last Week</b>	< 40	< 40	402	603	2,293	6,395	31,735	19,307	115	34,511

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	3	X	9	X	X	X	X	X	30
<b>Last Week</b>	9	429	2	15	59	106	468	166	62	46

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 28 April 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	194	91	4,280	14,390	96	33	22	387	141,360
Last Week	260	24	11,870	4,410	1,300	4	4	74	64,880	9

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	< 40	402	603	2,293	6,395	31,735	19,307	115
Last Week	80	724	362	121	< 40	2,534	3,137	724	1,931	19,186

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	9	429	2	15	59	106	468	166	62
Last Week	9	5	12	33	38	16	29	71	52	189

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 21 April 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	260	24	11,870	4,410	1,300	4	4	74	64,880
Last Week	727	30	7,170	19,040	2,420	139	3	16	198,630	1

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	80	724	362	121	< 40	2,534	3,137	724	1,931
Last Week	< 40	1,327	40	362	241	4,706	14,963	2,655	724	19,669

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	9	5	12	33	38	16	29	71	52
Last Week	3	60	4	9	25	54	73	116	15	106

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 14 April 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	727	30	7,170	19,040	2,420	139	3	16	198,630
Last Week	435	26	770	21,870	1,986	17	1	23	43,520	3

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	1,327	40	362	241	4,706	14,963	2,655	724
Last Week	80	< 40	< 40	< 40	1,569	1,448	13,032	< 40	2,491	3,982

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	60	4	9	25	54	73	116	15
Last Week	3	5	4	7	21	13	50	38	18	49

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 7 April 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	435	26	770	21,870	1,986	17	1	23	43,520
Last Week	378	75	17,250	19,890	870	210	5	9	86,640	5

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	80	< 40	< 40	< 40	1,569	1,448	13,032	< 40	2,491
Last Week	1,408	296	603	1,448	2,534	362	32,701	12,911	13,394	11,705

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	5	4	7	21	13	50	38	18
Last Week	3	4	5	7	19	150	43	218	19	33

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 31 March 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	378	75	17,250	19,890	870	210	5	9	86,640
Last Week	435	31	2,420	10,950	6,020	3	15	6	11,690	19

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,408	296	603	1,448	2,534	362	32,701	12,911	13,394
Last Week	121	121	< 40	43	724	1,207	12,911	2,775	156	845

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3	4	5	7	19	150	43	218	19
Last Week	10	4	12	6	19	149	43	218	26	33

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 24 March 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	435	31	2,420	10,950	6,020	3	15	6	11,690
Last Week	214	64	4,040	54,750	630	19	10	79	198,900	31

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	121	121	< 40	43	724	1,207	12,911	2,775	156
Last Week	40	362	80	585	51,645	< 40	1,086	60,937	362	4,143

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	10	4	12	6	19	149	43	218	26
Last Week	4	7	7	5	132	29	12	253	17	36

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 17 March 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	214	64	4,040	54,750	630	19	10	79	198,900
Last Week	517	40	28,510	16,100	8,600	126	45	3	23,100	48

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	362	80	585	51,645	< 40	1,086	60,937	362
Last Week	< 40	241	< 40	121	1,086	2,172	1,327	95,206	16	20

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	4	7	7	5	132	29	12	253	17
Last Week	2	7	7	6	27	41	11	268	89	603

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 10 March 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	517	40	28,510	16,100	8,600	126	45	3	23,100
Last Week	3,550	57	57,940	4,590	7,980	380	816	47	14,210	1,986

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	241	< 40	121	1,086	2,172	1,327	95,206	16
Last Week	40	322	< 40	282	1,207	161	103	6,395	< 40	724

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	7	7	6	27	41	11	268	89
Last Week	6	2	2	2	6	4	15	47	7	19

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 3 March 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3,550	57	57,940	4,590	7,980	380	816	47	14,210
Last Week	260	48	1,414	1,986	2,420	2,420	1,730	77	8,230	1,203

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	322	< 40	282	1,207	161	103	6,395	< 40
Last Week	< 40	885	78	644	2,212	2,252	1,183	88	724	1,931

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	6	2	2	2	6	4	15	47	7
Last Week	2	4	9	5	97	5	7	241	15	19

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 24 February 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	260	48	1,414	1,986	2,420	2,420	1,730	77	8,230
Last Week	488	59	1,120	727	2,420	1,414	1,300	143	29,870	1,414

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	885	78	644	2,212	2,252	1,183	88	724
Last Week	< 40	2,011	78	2,069	1,448	1,810	1,166	< 40	80	505

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	4	9	5	9	5	7	241	15
Last Week	2	11	8	64	7	5	7	39	8	8

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 17 February 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	488	59	1,120	727	2,420	1,414	1,300	143	29,870
Last Week	3,076	88	41,060	2,460	3,410	548	72	579	24,810	81

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	2,011	78	2,069	1,448	1,810	1,166	< 40	80
Last Week	2,413	483	40	40	40	311	1,207	483	< 40	121

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	11	8	64	7	5	7	39	8
Last Week	8	3	5	4	7	9	34	35	6	118

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 10 February 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	3,076	88	41,060	2,460	3,410	548	72	579	24,810
Last Week	1,300	58	X	7,710	5,040	308	130	548	X	10

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2,413	483	40	40	40	311	1,207	483	< 40
Last Week	80	40	X	40	186	724	< 40	< 40	X	110

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	8	3	5	4	7	9	34	35	6
Last Week	5	< 2	X	9	9	14	28	39	X	43

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 3 February 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	1,300	58	X	7,710	5,040	308	130	548	X
Last Week	411	78	X	5,450	7,030	10	6	37	X	0

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	80	40	X	40	186	724	< 40	< 40	X
Last Week	< 40	40	X	40	< 40	115	121	483	X	690

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	5	< 2	X	9	9	14	28	39	X
Last Week	9	22	X	25	28	15	19	48	X	51

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 27 January 2021



Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	411	78	X	5,450	7,030	10	6	37	X
Last Week	613	62	4,570	3,200	5,460	387	15	96	3,090	4

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	40	X	40	< 40	115	121	483	X
Last Week	40	362	121	724	845	724	603	724	80	6,154

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	9	22	X	25	28	15	19	48	X
Last Week	9	11	2	6	26	44	32	63	2	32

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.

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 20 January 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	613	62	4,570	3,200	5,460	387	15	96	3,090
Last Week	770	228	7,760	2,420	6,510	649	43	2,420	7,430	9

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	40	362	121	724	845	724	603	724	80
Last Week	< 40	241	80	< 40	322	362	40	603	121	2,614

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	This Week	9	11	2	6	26	44	32	63	2
Last Week	2	6	2	5	12	29	10	24	13	35

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 13 January 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	770	228	7,760	2,420	6,510	649	43	2,420	7,430
Last Week	548	19	4,140	5,460	10,430	172	34	411	1,986	99

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	< 40	241	80	< 40	322	362	40	603	121
Last Week	644	4,223	80	1,569	1,021	603	2,655	724	161	1,264

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	2	6	2	5	12	29	10	24	13
Last Week	12	8	16	4	7	34	39	6	13	11

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 6 January 2021



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<i>E.coli</i> counts per 100ml at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	548	19	4,140	5,460	10,430	172	34	411	1,986
Last Week	387	X	980	X	X	X	X	X	12,740	X

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	Blue Green algae counts at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	644	4,223	80	1,569	1,021	603	2,655	724	161
Last Week	40	X	156	X	X	X	X	X	1,327	X

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	Algal pigments expressed as Chlorophyll-a levels at sample points									
	1	2	3	4	5	6	7	8	9	10
	This Week	12	8	16	4	7	34	39	6	13
Last Week	3	X	8	X	X	X	X	X	61	X

Low Risk Chlorophyll-a < 15ug/l

Moderate Risk Chlorophyll-a 15 - 30ug/l

High Risk Chlorophyll-a > 30ug/l

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# Quality of Water in the Vaal Barrage Reservoir

Date Sampled 30 December 2020



Toll Free No: 0860 10 10 60  
Not to Scale  
● Sample Point

Interpretation of the results obtained from water samples collected at the respective sample points (refer map above).

<b>Escherichia coli (E.coli)</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>E.coli counts per 100ml at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	387	X	980	X	X	X	X	X	12,740
<b>Last Week</b>	326	X	1,414	X	X	X	X	X	10,140	X

Low risk of gastrointestinal disorders *E.coli* < 130 counts/100ml  
Slight risk of gastrointestinal disorders *E.coli* 130 – 200 counts/100ml

Significant risk of gastrointestinal disorders *E.coli* 200 – 400 counts/100ml  
High risk of gastrointestinal disorders *E.coli* > 400 counts/100ml

<b>Blue Green Algae</b> Predicted symptoms include: Skin irritations, infections & intestinal disorders*	<b>Blue Green algae counts at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	40	X	156	X	X	X	X	X	1,327
<b>Last Week</b>	< 40	X	764	X	X	X	X	X	3,137	X

Low Risk Blue Green algae < 20,000 cells/ml

Moderate Risk Blue Green algae 20,000 – 100,000 cells/ml

High Risk Blue Green algae > 100,000 cells/ml

<b>Algal Pigments</b> Predicted nuisance conditions include: Scums & smells	<b>Algal pigments expressed as Chlorophyll-a levels at sample points</b>									
	1	2	3	4	5	6	7	8	9	10
	<b>This Week</b>	3	X	8	X	X	X	X	X	61
<b>Last Week</b>	3	X	8	X	X	X	X	X	51	X

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.

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