

F.W. Kent Park Lake Water Quality Results				Parameter Targets								Weather Conditions			
				≥ 5.00 mg/L	≤ 1 M	6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L					
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud Cover	Wind Speed (mph)	Daily Temp (°F)
KPL-N	9:15 AM	27.7	81.9	5.28	2.56	8.29	0.0	0.0	0.030	30	0.1	0.5	100%	0 mph	71
KPL-NE	9:20 AM	27.8	82.0	5.89	3.14	8.36	0.0	0.0	0.020	20	0.1	0.5	100%	0 mph	71
KPL-NW	9:30 AM	27.8	82.0	5.43	3.16	8.32	0.0	0.0	0.010	10	0.1	0.5	100%	0 mph	71
KPL-Ramp	10:21 AM	27.6	81.7	5.54	1.80*	8.18	0.0	0.0	0.030	30	0.1	0.5	100%	0 mph	71
KPL- Beach	10:08 AM	27.4	81.3	6.74	2.08	8.45	0.0	0.0	0.160	160	0.1	0.5	100%	0 mph	71
KPL- SE	10:00 AM	27.3	81.1	6.15	2.25	8.39	0.0	0.0	0.050	50	0.1	0.5	100%	0 mph	71
KPL-Deep	9:52 AM	27.5	81.5	5.35	2.71	8.36	0.0	0.0	0.070	70	0.1	0.5	100%	0 mph	71
KPL-Outflow	11:08 AM	27.5	81.5	5.60	>62 T.T.	8.43	0.0	0.0	0.060	60	0.1	0.5	100%	0 mph	71

* bottomed out on lake

Notes: All detached filamentous algae is gone. Only a small amount is left on submerged structure/vegetation.
The 0.5" of rain came this morning from 6:15 - 7:30.

Main Stem Drainage Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube (cm)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
M-1	2:35 PM	26.6	79.9	5.35	18.4	7.89	0.0	0.0	3.25	3250	0.4	0.5	80%	10	82	
Trib-1	3:07 PM	27.5	81.5	6.00	34.8	8.02	2.0	0.0	0.86	860	0.4	0.5	80%	10	82	
Trib-2	8:37 AM	24.2	75.6	4.06	>62	7.97	0.0	0.0	0.10	100	0.3	0.0	0%	9	72	
CB-1 Mid	8:20 AM	24.9	76.8	6.31	>62	9.72	0.0	0.0	0.05	50	0.2	0.0	0%	9	72	
CB-1 Out	8:55 AM	22.4	72.3	4.13	52	7.71	0.0	0.00	0.76	760	3.0	0.0	0%	9	72	
CB-2 In	8:58 AM	18.6	65.5	7.50	>62	8.18	0.0	0.0	0.31	310	0.2	0.0	0%	9	72	
CB-2 Out	9:07 AM	20.5	68.9	5.59	>62	7.94	0.0	0.0	0.43	430	0.4	0.0	0%	9	72	
CB-3A In	10:08 AM	24.5	76.1	3.89	>62	7.85	0.0	0.0	0.07	70	0.2	0.0	0%	9	72	
CB-3A Out	10:14 AM	24.2	75.6	5.46	>62	7.99	0.0	0.0	0.11	110	0.2	0.0	0%	9	72	
CB-3 In	10:20 AM	24.4	75.9	4.78	>62	8.01	0.0	0.0	0.06	60	0.2	0.0	0%	9	72	
CB-3 Out	10:30 AM	24.1	75.4	5.23	>62	7.79	0.0	0.0	0.25	250	0.8	0.0	0%	9	72	
CB-E In	10:46 AM	27.1	80.8	3.83	>62	7.94	0.0	0.0	0.17	170	0.2	0.0	0%	9	72	
CB-E Out	no flowing water											0%	9	72		

1: CB-3A with 50-60% vegetation cover

2: CB-3 in with 90% vegetation cover

3: CB-1 out had strongly sulfuric odor with higher than normal flow rate

Northwest Drainage Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
CB-A MID	12:15 PM	28.7	83.7	7.19	>62	8.98	0.0	0.0	0.05	50	0.1	0.5	70%	10 mph	82	
CB-A Out	No water flowing											0.5	70%	10 mph	82	
CB-B In	12:41 PM	28.2	82.8	8.22	>62	8.5	0.0	0.0	0.13	130	0.1	0.5	70%	10 mph	82	
CB-B Out	12:51 PM	24.5	76.1	4.45	29.4	7.94	0.0	0.0	0.7	700	0.2	0.5	70%	10 mph	82	
CB-C In	1:03 PM	27.0	80.6	8.51	>62	8.65	0.0	0.0	0.14	140	0.2	0.5	70%	10 mph	82	
CB-C Out	1:14 PM	24.0	75.2	5.31	34	7.7	0.0	0.0	0.99	990	0.6	0.5	70%	10 mph	82	
CB-4 In	1:29 PM	25.9	78.6	2.65	>62	8.03	0.0	0.0	0.22	220	0.1	0.5	70%	10 mph	82	
CB-4 Out	11:18 AM	22.8	73.0	4.50	>62	7.5	0.0	0.0	0.41	410	2.0	0.5	70%	10 mph	82	

CB-4 had 90% vegetation cover

Campground - Red Haw Valley Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
CGRH - 1	7:50:00 AM	17.3	63.1	8.16	11.4	8.29	0	0	1.170	1170	0.4	0		0%	9 mph	72
CGRH - 2	no flowing water															

Sample collected by H.S. with dipper - some sediment present.



Collection Location m1	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2133754
OXFORD,	Collected 2022-07-13 07:41	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD		Sample Description surface water
	2048 HWY 6 NW OXFORD, IA 52322		Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT ([MPN]/100mL)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>E.coli</i> Bacteria, SM 9223 B E.coli	2300	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

The result(s) of this report relate only to the items analyzed. Where the laboratory has not been responsible for the sampling stage the results apply only to the sample as received. This report shall not be reproduced except in full without the written approval of the laboratory. If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500.



Collection Location trib 1	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2133756
OXFORD,	Collected 2022-07-13 08:10	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD		Sample Description surface water
	2048 HWY 6 NW OXFORD, IA 52322		Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT ([MPN]/100mL)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>E.coli</i> Bacteria, SM 9223 B E.coli	12000	10	

SAMPLE AND ANALYSIS NOTES

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ANALYSIS INFORMATION

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

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Collection Location trib 2	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2133758
OXFORD,	Collected 2022-07-13 08:26	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD 2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	41	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location cb-1 out	Collector and Phone sutherland heather	Client Reference larry gullett	Accession # 2133759
OXFORD,	Collected 2022-07-13 08:37	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD 2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	420	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location cgrh-1	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2133755
OXFORD,	Collected 2022-07-13 08:07	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD 2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	1100	10	

SAMPLE AND ANALYSIS NOTES

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ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location beach	Collector and Phone riek jeremy 319/930-8818	Client Reference larry gullett	Accession # 2133757
OXFORD,	Collected 2022-07-13 08:25	Received 2022-07-13 10:50	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD 2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT ([MPN]/100mL)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>E.coli</i> Bacteria, SM 9223 B E.coli	<10.	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. E.coli Bacteria, SM 9223 B	2022-07-13 14:37 JAC, DJO	3200	2022-07-14 09:21 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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