

F.W. Kent Park Field Form

Date: 7/15/2021Estimated Rainfall Past 24 hrs (in): 2.3"

Kent Lake

Sampled by: A. Conklin, R. BrownMeters Calibrated by: R. BrownWeather at time of sampling: overcast, 68°, wind NW 4mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
KPL-N	8:27	25.3	77.5	6.94	—	2.7	7.56	0.0	0.0	.06	60	0.2
KPL-NE	8:35	25.4	77.7	6.41	—	1.6	8.3	0.0	0.0	.08	80	0.1
KPL-NW	8:46	25.3	77.5	7.11	—	1.9	8.44	0.0	0.0	.12	120	0.1
KPL-Ramp	9:27	24.9	76.8	6.93	—	1.1*	8.47	0.0	0.0	.07	70	0.1
KPL-Beach	9:14	24.7	76.5	7.26	—	1.48	8.47	0.0	0.0	.09	90	0.1
KPL-SE	9:07	24.2	75.5	5.49	—	1.45	8.44	0.0	0.0	.08	80	0.1
KPL-Deep	9:00	24.8	76.6	7.25	—	2.05	8.47	0.0	0.0	.09	90	0.1
KPL-Discharge	11:09	24.9	76.8	5.48	762	—	8.30	0.0	0.0	.21	210	0.1

Notes:

* = bottomed out

F.W. Kent Park Field Form

Date: 7/12/2021Estimated Rainfall Past 24 hrs (in): 0.2"

Kent Lake

Sampled by: S. Peyton, A. Conklin, R. BrownMeters Calibrated by: S. PeytonWeather at time of sampling: 64°F overcast winds NE @ 5-10 mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
KPL-N	8:09	24.3	75.5	6.31	—	2.99*	7.47	0.0	0.0	0.08	80	0.1
KPL-NE	8:18	24.6	76.3	6.14	—	1.9	8.05	0.0	0.0	0.29	290	0.1
KPL-NW	8:24	24.7	76.5	5.47	—	1.93	8.08	0.0	0.0	0.09	90	0.1
KPL-Ramp	8:57	24.5	76.1	4.74	—	1.3*	8.02	0.0	0.0	0.03	30	0.1
KPL-Beach	8:47	24.4	75.9	5.53	—	1.45	8.18	0.0	0.0	0.04	40	0.1
KPL-SE	8:41	24.0	75.2	5.25	—	2.25*	8.29	0.0	0.0	0.06	60	0.1
KPL-Deep	8:34	24.5	76.1	5.11	—	1.73	8.08	0.0	0.0	0.35	350	0.1
KPL-Discharge	10:37	22.2	72	3.67	762	0.76	7.84	0.0	0.0	0.29	290	0.2

Notes:

* Bottomed out on lake bed

entered *de*

F.W. Kent Park Field Form

Date: 7/12/2021Estimated Rainfall Past 24 hrs (in): 0.2"

Main Stem Drainage

Sampled by: S. Peyton, A. Conklin, R. BrownMeters Calibrated by: S. PeytonWeather at time of sampling: 66°F, overcast, winds NE @ 5-10 mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
M 1	10:12	NA										
Trib 1	13:21	20.2		6.03	12.0	—	7.93	0.0	0.0	0.185	1850	1.0
Trib 2	12:47	22.5		4.61	51.0	—	7.47	0.0	0.0	0.39	390	0.2
CB-1 MID	13:05	25.1		8.89	762	—	9.51	0.0	0.0	0.37	370	0.2
CB-1 OUT	13:41	20.9		4.13	22.0	—	6.96	0.0	0.0	1.83	1830	3.0
CB-2 IN	12:36	19.3		6.48	14.8	—	7.96	0.0	0.0	1.27	1270	0.8
CB-2 OUT	13:54	21.3		5.46	43.0	—	7.84	0.0	0.0	0.39	390	0.6
CB-3A IN	14:11	23.6		9.95	50.0	—	8.68	0.0	0.0	0.25	250	0.4
CB-3A OUT	14:17	23.2		5.61	762	—	7.83	0.0	0.0	0.31	310	0.8
CB-3 IN	14:24	23.3		5.71	762	—	7.93	0.0	0.0	0.16	160	0.3
CB-3 OUT	14:33	21.9		4.61	762	—	7.61	0.0	0.0	0.27	270	0.3
CB-E IN	14:48	23.4		6.36	762	—	8.31	0.0	0.0	0.20	200	0.2
CB-E OUT	14:41	NF										

Notes: • NA: No Available Water for sampling
 • NF: No Flowing Water for sampling

• At CB-2 IN starting to get clearer skies
 • Trib 1 starting to get overcast again
 - Sample obtained with a fair amount of mud in it
 • Mud may have effected ammonia testing

entered AC

F.W. Kent Park Field Form

Date: 7/15/2021Estimated Rainfall Past 24 hrs (in): 2.3"

Main Stem Drainage

Sampled by: R. Brown, A. ConklinMeters Calibrated by: R. BrownWeather at time of sampling: cloudy, 68°F, NNW 6 mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
* M 1	10:38	21.5	—	2.64	12.6	—	6.89	0.0	0.0	3.30	3300	2.0
Trib 1	13:41	21.7	—	5.75	27.8	—	7.94	2.0	0.15	1.64	1640	0.6
Trib 2	13:19	25.3	—	5.71	>62	—	9.10	0.0	0.0	0.40	400	0.2
CB-1 MID	13:33	27.1	—	9.86	762	—	9.90	0.0	0.0	0.23	230	0.1
CB-1 OUT	14:04	23.2	—	4.84	18.8	—	7.68	2.0	0.0	1.11	1110	0.6
CB-2 IN	13:05	20.8	—	6.16	8.6	—	7.83	0.0	0.0	1.75	1750	0.6
CB-2 OUT	14:12	22.9	—	5.45	22.6	—	7.94	0.0	0.0	0.75	750	0.4
CB-3A IN	14:31	25.6	—	8.44	49	8.68	7.67	0.0	0.0	0.35	350	0.1
CB-3A OUT	14:27	24.5	—	4.32	31	—	7.67	0.0	0.0	0.57	570	0.4
CB-3 IN	14:36	24.8	—	4.66	37.2	—	7.86	0.0	0.0	0.49	490	0.3
CB-3 OUT	14:48	23.2	—	3.77	48.2	—	7.37	0.0	0.0	0.40	400	0.2
CB-E IN	15:03	25.5	—	6.34	>62	—	8.28	0.0	0.0	0.18	180	0.2
CB-E OUT	14:58	19.8	—	3.48	>62	—	6.74	0.0	0.0	0.35	350	0.2

Notes:

* M1: Sample brownish with green, stringy veg. Phosphate: E4 error -- sapphire blue

F.W. Kent Park Field Form

Date: 7/13/2021Estimated Rainfall Past 24 hrs (in): 0.05"

NW Drainage

Sampled by: S. Peyton, R. Brown, A. ConklinMeters Calibrated by: S. PeytonWeather at time of sampling: 66°F, cloudy, Winds WSW @ 5-10 mph

Standards				5 mg/L				6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)		pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
CB-A MID	7:55	22.8		5.53	762	—		7.45	0.0	0.0	0.16	160	0.1
CB-A OUT	8:40	NF											
CB-B IN	9:04	22.3		2.37	762	—		7.27	0.0	0.0	0.37	370	0.2
CB-B OUT	9:15	21.6		4.99	762	—		7.57	0.0	0.0	0.54	540	0.3
CB-C IN	9:24	22.2		3.09	762	—		7.27	0.0	0.0	0.31	310	0.2
CB-C OUT	9:32	21.6		3.45	32	—		7.36	0.0	0.0	0.55	550	1.0
CB-4 IN	9:45	21.5		3.03	31	—		7.60	0.0	0.0	0.38	380	0.2
CB-4 OUT	10:15	21.3		2.63	762	—		7.03	0.0	0.0	0.51	510	0.8

Notes:

-NF-
No Flowing Water for sampling

entered *AL*

F.W. Kent Park Field Form

Date: 7/16/21Estimated Rainfall Past 24 hrs (in): 0"

NW Drainage

Sampled by:

A. Conklin

Meters Calibrated by:

A. Conklin

Weather at time of sampling:

66°F, partly cloudy. winds ENE 6 mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
CB-A MID	8:07	24.0		7.97	>62		8.02	0.0	0.0	.07	70	0.1
CB-A OUT	8:25											
CB-B IN	8:31	22.7		5.87	>62		7.57	0.0	0.0	.25	250	0.1
CB-B OUT	8:55	21.3		5.7	32		7.6	0.0	0.0	.85	850 850	0.8
CB-C IN	9:01	22.8		4.74	>62		7.42	0.0	0.0	.21	210	0.1
CB-C OUT	9:17	21.6		4.66	38.5		7.41	0.0	0.0	.52	520	0.6
CB-4 IN	9:33	21.9		4.31	>62		7.9	0.0	0.0	.23	230	0.1
CB-4 OUT	10:04	21.6		2.88	>62		7.19	0.0	0.0	.33	330	0.2

Notes:

NF = no flow

CB4 - OUT: stinky. Sulfur?

F.W. Kent Park Field Form Date: 7/12/2021 Estimated Rainfall Past 24 hrs (in): 0.2"

Camground - Red Haw Valley

Sampled by: S. Peyton, A. Conklin, R. Brown

Meters Calibrated by: S. Peyton

Weather at time of sampling: 67°F, overcast with rain showers

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
CGRH1	11:06	17.5		7.52	19.0	—	7.92	0.0	0.0	1.37	1370	0.6
CGRH2	11:06	NF										

Notes:

F.W. Kent Park Field Form Date: 7/15/2021 Estimated Rainfall Past 24 hrs (in): 2.3"

Camground - Red Haw Valley

Sampled by: A. Conklin, R. Brown

Meters Calibrated by: R. Brown

Weather at time of sampling: overcast 70°, WIND NW 4 mph

Standards				5 mg/L			6.5-9	.9 mg/L total	.9 mg/L total	.035 mg/L	35 µg/L	
Location	Time	Temp. C°	Temp. F°	D.O. (mg/L)	TT(cm)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia -N (mg/L)
CGRH1	11:45	19.5	67	6.07	14.2	—	7.67	1	0.0	1.24	1240	0.8
CGRH2	11:55	20.2		4.70	5.4	—	6.85	0.0	0.0	2.77	2770	2.0

Notes: * - slow flow, yellowish

Collection Location beach	Collector and Phone gullet larry 319/331-7347	Client Reference larry gullet	Accession # 1756500
	Collected 2021-07-14 07:47	Received 2021-07-14 10:25	Project
Report To	LARRY GULLET/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	170	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. <i>E.coli</i> Bacteria, SM 9223 B	2021-07-14 12:52 DJO, CLL	3200	2021-07-15 08:17 DJO	

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 cgrh-1	Collector and Phone gullett larry 319/331-7347	Client Reference larry gullett	Accession # 1756496
	Collected 2021-07-14 09:20	Received 2021-07-14 10:25	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	1900	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. <i>E.coli</i> Bacteria, SM 9223 B	2021-07-14 12:52 DJO, CLL	3200	2021-07-15 08:17 DJO	

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

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Collection Location trib-1 OXFORD,	Collector and Phone gullett larry 319/331-7347	Client Reference larry gullett	Accession # 1756497
	Collected 2021-07-14 09:33	Received 2021-07-14 10:25	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	4100	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. <i>E.coli</i> Bacteria, SM 9223 B	2021-07-14 12:52 DJO, CLL	3200	2021-07-15 08:17 DJO	

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

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Collection Location cb1-out	Collector and Phone gullett larry 319/331-7347	Client Reference larry gullett	Accession # 1756498
	Collected 2021-07-14 09:51	Received 2021-07-14 10:25	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	240	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. <i>E.coli</i> Bacteria, SM 9223 B	2021-07-14 12:52 DJO, CLL	3200	2021-07-15 08:17 DJO	

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

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Collection Location trib-2 OXFORD,	Collector and Phone gullett larry 319/331-7347	Client Reference larry gullett	Accession # 1756499
	Collected 2021-07-14 09:39	Received 2021-07-14 10:25	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	610	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. <i>E.coli</i> Bacteria, SM 9223 B	2021-07-14 12:52 DJO, CLL	3200	2021-07-15 08:17 DJO	

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

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