### Attachment D

All Test Reports 2014-2016



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 11 December 2014
LR Report: CA14219-DEC14

PO Box 249 Haliburton, ON K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			11-Dec-14	11-Dec-14
2: Analysis Start Time			12:40	12:40
3: Analysis Approval Date			12-Dec-14	12-Dec-14
4: Analysis Approval Time			11:14	11:14
5: MAC			0	0
6: NR Haliburton Office	10-Dec-14 08:00	11.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

12-December-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

PO Box 249 Haliburton, ON K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

26-February-2015

Date Rec.: 20 February 2015 LR Report: CA14346-FEB15

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	7: MDL	8: NR Office Kitchen
Sample Date & Time							19-Feb-15 16:03
Temperature Upon Receipt [°C]							17.0
Total Coliform [cfu/100mL]	20-Feb-15	10:50	23-Feb-15	10:06	0		0
E. Coli [cfu/100mL]	20-Feb-15	10:50	23-Feb-15	10:06	0		0
Nitrite (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	1	0.003	0.003 <mdl< td=""></mdl<>
Nitrate (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	10	0.006	1.75
Nitrate + Nitrite (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	10	0.006	1.75
Lead [ug/L]	24-Feb-15	15:40	26-Feb-15	07:57	10	0.01	0.59

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

21-October-2014

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 15 October 2014 LR Report: CA14359-OCT14

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

## CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	6: NR - Haliburton Office
Sample Date & Time						15-Oct-14 08:00
Temperature Upon Receipt [°C]						15.0
Total Coliform [cfu/100mL]	15-Oct-14	18:50	17-Oct-14	10:31	0	0
E. Coli [cfu/100mL]	15-Oct-14	18:50	17-Oct-14	10:31	0	0
Nitrite (as N) [mg/L]	17-Oct-14	12:08	18-Oct-14	09:53	1	0.004
Nitrate (as N) [mg/L]	17-Oct-14	12:08	18-Oct-14	09:53	10	1.88
Nitrate + Nitrite (as N) [mg/L]	17-Oct-14	12:08	18-Oct-14	09:53	10	1.88

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Haliburton Sector)** 

Attn : Greg Cooper

Allii . Greg Cooper

PO Box 249 Haliburton, ON K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

## CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			19-Sep-14	19-Sep-14
2: Analysis Start Time			11:00	11:00
3: Analysis Approval Date			22-Sep-14	22-Sep-14
4: Analysis Approval Time			09:58	09:58
5: MAC			0	0
6: NR Kitchen Sink	18-Sep-14 16:30	13.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

22-September-2014

Copy:

Date Rec.: 19 September 2014

LR Report: CA14490-SEP14

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 02 June 2014

LR Report: CA14052-JUN14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			02-Jun-14	02-Jun-14
2: Analysis Start Time			17:00	17:00
3: Analysis Approval Date			04-Jun-14	04-Jun-14
4: Analysis Approval Time			14:51	14:51
5: MAC			0	0
6: NR Lock #22	02-Jun-14 11:33	13.0	0	0
7: NR Lock #24	02-Jun-14 12:00	13.0	0	0
8: NR Lock #25	02-Jun-14 12:10	13.0	0	0
9: NR Lock #27	02-Jun-14 13:50	13.0	0	0
10: NR Lock #28	02-Jun-14 14:20	13.0	0	0
11: NR Lock #31	02-Jun-14 15:20	13.0	0	0
12: NR Lock #30	02-Jun-14 16:15	13.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

05-June-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

09-July-2014

Date Rec.: 07 July 2014 LR Report: CA14125-JUL14

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Lead ug/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			08-Jul-14	07-Jul-14	07-Jul-14
2: Analysis Start Time			09:31	15:00	15:00
3: Analysis Approval Date			08-Jul-14	09-Jul-14	09-Jul-14
4: Analysis Approval Time			16:07	08:50	08:50
5: MAC			10	0	0
7: MDL			0.01		
8: NR Lock 19	07-Jul-14 09:14	15.0	0.69		
9: NR Lock 20	07-Jul-14 09:32	15.0	0.66		
10: NR Lock 21	07-Jul-14 10:15	15.0	1.05		
11: NR Lock WRB	07-Jul-14 10:02	15.0	1.66		
12: NR Lock 26	07-Jul-14 12:13	15.0	0.84		
13: NR Lock 22	07-Jul-14 11:33	15.0		0	0

MAC - Maximum Acceptable Concentration MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 06 June 2014

LR Report: CA14198-JUN14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			06-Jun-14	06-Jun-14
2: Analysis Start Time			16:30	16:30
3: Analysis Approval Date			09-Jun-14	09-Jun-14
4: Analysis Approval Time			11:14	11:14
5: MAC			0	0
6: NR - TW Lock #22	06-Jun-14 14:17	18.0	0	0
7: NR - TW Lock #24	06-Jun-14 14:39	18.0	0	0
8: NR - TW Lock #25	06-Jun-14 15:09	18.0	0	0
9: NR - TW Lock #27	06-Jun-14 12:50	18.0	0	0
10: NR - TW Lock #28	06-Jun-14 12:26	18.0	0	0
11: NR - TW Lock #31	06-Jun-14 11:37	18.0	0	0
12: NR - TW Lock #30	05-Jun-14 15:15	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

09-June-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 11 August 2014

LR Report: CA14267-AUG14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			11-Aug-14	11-Aug-14
2: Analysis Start Time			14:50	14:50
3: Analysis Approval Date			13-Aug-14	13-Aug-14
4: Analysis Approval Time			12:36	12:36
5: MAC			0	0
6: NR Lock 22	11-Aug-14 09:10	12.0	0	0
7: NR Lock 23	11-Aug-14 10:00	12.0	0	0
8: NR Lock 24	11-Aug-14 10:29	12.0	0	0
9: NR Lock 25	11-Aug-14 10:50	12.0	0	0
10: NR Lock 27	11-Aug-14 11:30	12.0	0	0
11: NR Lock 28	11-Aug-14 12:47	12.0	0	0
12: NR Lock 30	11-Aug-14 10:10	12.0	0	0
13: NR Lock 31	11-Aug-14 13:10	12.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

13-August-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

#### 11-September-2014

Date Rec.: 09 September 2014 LR Report: CA14279-SEP14

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			09-Sep-14	09-Sep-14
2: Analysis Start Time			17:25	17:25
3: Analysis Approval Date			11-Sep-14	11-Sep-14
4: Analysis Approval Time			12:03	12:03
5: MAC			0	0
6: NR-Lock #22	09-Sep-14 09:20	16.0	0	0
7: NR-Lock #23	09-Sep-14 09:25	16.0	0	0
8: NR-Lock #24	09-Sep-14 09:50	16.0	0	0
9: NR-Lock #25	09-Sep-14 10:25	16.0	0	0
10: NR-Lock #27	09-Sep-14 10:45	16.0	0	0
11: NR-Lock #28	09-Sep-14 12:45	16.0	0	0
12: NR-Lock #31	09-Sep-14 13:40	16.0	0	0
13: NR-Lock #30	09-Sep-14 12:20	16.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

**Date Rec.:** 14 July 2014 Attn: Greg Stencell LR Report: CA14332-JUL14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			14-Jul-14	14-Jul-14
2: Analysis Start Time			14:45	14:45
3: Analysis Approval Date			16-Jul-14	16-Jul-14
4: Analysis Approval Time			09:06	09:06
5: MAC			0	0
6: NR - Lock 22	14-Jul-14 12:10	13.0	0	0
7: NR - Lock 23	14-Jul-14 12:29	13.0	0	0
8: NR - Lock 24	14-Jul-14 12:50	13.0	0	0
9: NR - Lock 25	14-Jul-14 13:10	13.0	0	0
10: NR - Lock 27	14-Jul-14 10:50	13.0	0	0
11: NR - Lock 28	14-Jul-14 11:13	13.0	0	0
12: NR - Lock 31	14-Jul-14 11:40	13.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

16-July-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 18 June 2014

LR Report: CA14483-JUN14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			18-Jun-14	18-Jun-14
2: Analysis Start Time			15:45	15:45
3: Analysis Approval Date			19-Jun-14	19-Jun-14
4: Analysis Approval Time			17:30	17:30
5: MAC			0	0
6: NR - Lock 22	18-Jun-14 10:50	14.0	0	0
7: NR - Lock 24	18-Jun-14 11:30	14.0	0	0
8: NR - Lock 25	18-Jun-14 11:40	14.0	0	0
9: NR - Lock 27	18-Jun-14 13:00	14.0	0	0
10: NR - Lock 28	18-Jun-14 12:40	14.0	0	0
11: NR - Lock 30	18-Jun-14 15:30	14.0	0	0
12: NR - Lock 31	18-Jun-14 12:10	14.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

20-June-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

24-September-2014

Date Rec.: 22 September 2014 LR Report: CA14537-SEP14

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			22-Sep-14	22-Sep-14
2: Analysis Start Time			16:45	16:45
3: Analysis Approval Date			24-Sep-14	24-Sep-14
4: Analysis Approval Time			08:30	08:30
5: MAC			0	0
6: NR - Lock 23	22-Sep-14 11:20	15.0	0	0
7: NR - Lock 24	22-Sep-14 11:30	15.0	0	0
8: NR - Lock 25	22-Sep-14 12:45	15.0	0	0
9: NR - Lock 27	22-Sep-14 13:15	15.0	0	0
10: NR - Lock 28	22-Sep-14 14:25	15.0	0	0
11: NR - Lock 30	22-Sep-14 10:30	15.0	0	0
12: NR - Lock 31	22-Sep-14 15:45	15.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 23 June 2014

LR Report: CA14550-JUN14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			23-Jun-14	23-Jun-14
2: Analysis Start Time			16:00	16:00
3: Analysis Approval Date			25-Jun-14	25-Jun-14
4: Analysis Approval Time			08:14	08:14
5: MAC			0	0
6: NR Lock 23	23-Jun-14 09:35	24.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

25-June-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell LR Report: CA14603-AUG14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

27-August-2014

Date Rec.: 25 August 2014

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			25-Aug-14	25-Aug-14
2: Analysis Start Time			14:30	14:30
3: Analysis Approval Date			27-Aug-14	27-Aug-14
4: Analysis Approval Time			10:13	10:13
5: MAC			0	0
6: NR - Lock 22	25-Aug-14 10:06	20.0	0	0
7: NR - Lock 23	25-Aug-14 10:18	20.0	0	0
8: NR - Lock 24	25-Aug-14 10:48	20.0	0	0
9: NR - Lock 25	25-Aug-14 10:57	20.0	0	0
10: NR - Lock 27	25-Aug-14 11:34	20.0	0	0
11: NR - Lock 28	25-Aug-14 11:57	20.0	0	0
12: NR - Lock 31	25-Aug-14 12:25	20.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

30-July-2014

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

**Date Rec.**: 28 July 2014 LR Report: CA14727-JUL14

PO Box 567 Peterborough, ON

Copy: #1

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			28-Jul-14	28-Jul-14
2: Analysis Start Time			15:05	15:05
3: Analysis Approval Date			30-Jul-14	30-Jul-14
4: Analysis Approval Time			09:29	09:29
5: MAC			0	0
6: NR - Lock 22	28-Jul-14 10:20	15.0	0	0
7: NR - Lock 23	28-Jul-14 10:31	15.0	0	0
8: NR - Lock 24	28-Jul-14 10:50	15.0	0	0
9: NR - Lock 25	28-Jul-14 11:15	15.0	0	0
10: NR - Lock 27	28-Jul-14 12:00	15.0	0	0
11: NR - Lock 28	28-Jul-14 12:20	15.0	0	0
12: NR - Lock 31	28-Jul-14 13:00	15.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Date Rec.: 30 June 2014 Attn: Greg Stencell LR Report: CA14743-JUN14

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			30-Jun-14	30-Jun-14
2: Analysis Start Time			16:30	16:30
3: Analysis Approval Date			02-Jul-14	02-Jul-14
4: Analysis Approval Time			08:48	08:48
5: MAC			0	0
6: NR - Lock 23	30-Jun-14 09:37	18.0	0	0
7: NR - Lock 24	30-Jun-14 09:56	18.0	0	0
8: NR - Lock 25	30-Jun-14 09:59	18.0	0	0
9: NR - Lock 27	30-Jun-14 11:55	18.0	0	0
10: NR - Lock 28	30-Jun-14 11:39	18.0	0	0
11: NR - Lock 30	30-Jun-14 11:00	18.0	0	0
12: NR - Lock 31	30-Jun-14 10:55	18.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury Project Specialist

Environmental Services, Analytical

02-July-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

31-July-2014

Trent-Severn Waterway (Central Sector)

Attn : Greg Stencell

**Date Rec.**: 29 July 2014 **LR Report: CA14776-JUL14** 

PO Box 567 Peterborough, ON

**Copy:** #1

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			29-Jul-14	29-Jul-14
2: Analysis Start Time			17:15	17:15
3: Analysis Approval Date			31-Jul-14	31-Jul-14
4: Analysis Approval Time			10:03	10:03
5: MAC			0	0
6: NR Lock 30	28-Jul-14 18:00	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn: Greg Stencell

Date Rec.: 27 August 2014

LR Report: CA17099-AUG14

PO Box 567
Peterborough, ON
K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			27-Aug-14	27-Aug-14
2: Analysis Start Time			14:30	14:30
3: Analysis Approval Date			28-Aug-14	28-Aug-14
4: Analysis Approval Time			14:34	14:34
5: MAC			0	0
6: NR - Lock 30	26-Aug-14 16:50	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury/

Project Specialist

Environmental Services, Analytical

28-August-2014

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

12 Trent Drive Campbellford, ON

K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

07-October-2014

Date Rec.: 01 October 2014 LR Report: CA14018-OCT14

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Lead ug/L
1: Analysis Start Date			01-Oct-14	01-Oct-14	03-Oct-14
2: Analysis Start Time			17:00	17:00	20:15
3: Analysis Approval Date			02-Oct-14	02-Oct-14	06-Oct-14
4: Analysis Approval Time			15:42	15:42	15:48
5: MAC			0	0	10
7: MDL					0.01
8: NR Brighton Road B	01-Oct-14 11:50	15.0	0	0	
9: NR Carrying Place B	01-Oct-14 12:05	15.0	0	0	
10: NR Trenton Shop	01-Oct-14 12:20	15.0			0.28
11: NR Batawa #4	01-Oct-14 12:40	15.0	0	0	1.79
12: NR Trent #5	01-Oct-14 12:50	15.0			8.51
13: NR Crowe Bay	01-Oct-14 14:35	15.0	0	0	
14: NR Healey Falls 16/17	01-Oct-14 15:15	15.0	0	0	
15: NR Campbellford	01-Oct-14 15:30	15.0			1.28

MAC - Maximum Acceptable Concentration MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Trevor Tinney

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 or 705-772-9655 (cell)

Fax:705-653-2053

27-June-2014

**Date Rec.**: 25 June 2014 **LR Report: CA17804-JUN14** 

**Copy**: #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temp Upon Receipt °C	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date			25-Jun-14	25-Jun-14
2: Analysis Start Time			11:00	11:00
3: Analysis Approval Date			27-Jun-14	27-Jun-14
4: Analysis Approval Time			08:48	08:48
5: MAC			0	0
6: NR BRB	24-Jun-14	5.0	0	0
7: NR CPB	24-Jun-14	5.0	0	0
8: NR Lock 4	24-Jun-14	5.0	0	0
9: NR Lock 8	24-Jun-14	5.0	0	0
10: NR Lock 9	24-Jun-14	5.0	0	0
11: NR Lock 14	24-Jun-14	5.0	0	0
12: NR Lock 15	24-Jun-14	5.0	0	0
13: NR Lock 17	24-Jun-14	5.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

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1.7	ABOR	ATO	RY	

Date Sampled:

Collected By: Name of Facility

(DWS) #

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-24

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	HKPRDHU
	Regulation	319/08
	Total # of pages sent	2
_	# of samples sent	3
_	# of samples received	3

Final Certificate of	Chemical	<b>Analysis</b>	of Wate
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			i mai continuato di cindimical i mai yolo di Tratol
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved: Tech:
2014-07-24 11:40	19.1	AB	2014-07-24 12:15 AV

Report To:	Trent	Severn Waterv	ay Kirkfield Sector	ATTN: Ch	uck Wilkinson	
Address:	2023 I	Kirkfield Road K	irkfield, ON. K0M 2B0			
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email	
Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca						
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390						

Conditions/ Submitted By: Comments

Please See Below

Time	Sample		Water	Temp. Of	Sample Laboratory Laboratory		Lead		Turbidity		рH	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)			μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	
	Kirkfie	ld Lock 36 #835J66E39										
08:38		2023 Kirkfield Rd.	D		L-57	<	1.00					
	Bolso	ver Bridge 43 (Reg. N/A)										
09:07		138 Bolsover Rd.	D		L-58	<	1.00					

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/A = Not Applicable

Distribution = D Point of Entry = E Raw Water Comsumed = RWC

Raw = R

Lead Analysis Date & Time: 2014-07-31 15:00 Analyzed By: JT Audited By: AD Methodology: AA μg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub> Analyzed By:

pH Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: Methodology: Electrometric pH

Transcribed By: AC Copy Released By: Authorized & Rechecked By: TJ/JT

Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Date:

Test Methodology and Detection Limit

N/R = Not Received

COAL AA Detection Limit Reportable Limit: 10.0 μg/L Methodology: Graphite Furnace Atomic Absorption Lead 1.00 µg/L рΗ COAL pH Detection Limit 4 - 10 Reportable Limit: N/A Methodology: Electrometric Digital Titrator

Total Alkalinity COAL Alk Detection Limit 10 - 4000 Reportable Limit: N/A Methodology: Turbidity COAL T **Detection Limit** 0.10 - 40.0 Reportable Limit: N/A Methodology: Nephelometric

- 2	0 6 12	
4		þ
	LABORATORY	

Collected By: Name of

**Drinking Water System** 

Facility

(DWS) #

Submitted By:

Date Sampled: 4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-24

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
	Systems Health Unit	RMDHU
_	Regulation	318/08
	Total # of pages sent	2
	# of samples sent	3
	# of samples received	3

Final Certificate of Chemical Analysis of	Wate
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				,
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved:	Tech:
2014-07-24 11:40	19.1	AB	2014-07-24 12:15	AV

Report To:	Trent Severn Waterway Kir	kfield Sector ATTN: Chuck W	ilkinson	
Address:	2023 Kirkfield Road Kirkfield	, ON. K0M 2B0		
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email	
Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca				

Chuck Wilkinson 705-887-8390

Conditions/ Comments

Please See Below

Time	Sample		Water	Temp. Of Laboratory		Lead Turbidity		Alkalinity		рН		
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	Ministra	>/<	μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	
	_											
		Thorah Lock 40										
09:33		33245 Durham Rd.	D		L-56	<	1.00				·	

"Live Person" After Hours Contact Name and Tel. No:

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For

Distribution = D

Raw = R

For collection ar	nd handling procedures v	isit www.coalab	.ca/watersamples.html							Point of Entry = E
N/R = Not Receive	ed	N/A = Not Ap	pplicable							Raw Water Comsumed = RWC
	Lead Analysis Date 8	& Time:20	14-07-31 15:00	Analyzed By:JT	Audited By:	AD	_Methodology: AA μg/L			
Τι	urbidity Analysis Date	& Time:		Analyzed By:	Audited By	:	Methodology: Nephelometric NTU			
Total Alk	alinity Analysis Date 8	& Time:		Analyzed By:	Audited By:		Methodology: Digital Titration mg/L as 0	CaCO <sub>3</sub>		
	pH Analysis Date 8	& Time:		Analyzed By:	Audited By:		Methodology: Electrometric pH			
	Transcril	bed By:	AC Auth	norized & Rechecked By:	TJ/	/JT	Copy Released By: _	HM	I/CAB/TJ	
	Lab No.	;	Submitting Agency @		Health Unit @		Spills Action Centre (SAC) @	AWQI#	Ву:	Date:
Test Methodolo	gy and Detection Limit									
Lead	COAL AA	Detection Lin		Reportable Limit:	10.0 μg/L	Methodology:	·			
<u>р</u> Н	COAL pH	Detection Lin		Reportable Limit:	N/A	Methodology:				
Total Alkalinity	COAL Alk	Detection Lin		Reportable Limit:	N/A	Methodology:	9			
Turbidity	COAL T	Detection Lin	nit 0.10 - 40.0	Reportable Limit:	N/A	Methodology:	Nephelometric	Final Chemical Ce	rtificate, PITA 297	7, 1311, Revision 1.5
oraaA	oved for use by TJ price	or to use.								Page 1 of 1

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1	
	LABORATORY
- 1	

Submitted By:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Ellie Wright

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

ate		Twp/Town	
ampled:	2014-07-15	Systems Health Unit	HKPRDHU
collected By:	Ellie Wright	Regulation	N/A
lame of	Wirlefield Coater	Total # of pages sent	1
acility Prinking Water Sy	Kirkfield Sector stem	# of samples sent	11
OWS) #		# of samples received	11

			Final Certificate of Nitrate and Nitrite Analysis of Water
	Temp. Rec'd.		
Received:		Receiver:	

Date & Time (°C): 2014-07-15 12:25 16.7 LJ

Report To: Trent Severn Waterway ATTN: Chuck Wilkinson

2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0 Address:

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Time	Sample		Water	Temp. Of		r	ment Inform	<sub>1</sub>	Laboratory		Nitrate as N		Nitrite as N	Nitr	ate + Nitrite as N	
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	mg/L	>/<	mg/L	>/<	mg/L	
08:15		Lock 36 2023 Kirkfield Rd - Kirkfield							SFA-209B		0.128	<	0.010		0.128	
08:55		Lock 35 161 Trent Canal Rd - Rosedale							SFA-210B		0.070	<	0.010		0.070	
09:55		Bridge 43 138 Bolsover Rd - Bolsover							SFA-211	<	0.010	<	0.010	<	0.010	
10:10		Bridge 44 34223 Mara Eldon Boundary Rd							SFA-212	<	0.010	<	0.010	<	0.010	
10:15		Lock 37 92 Talbot Dr - Bolsover							SFA-213	<	0.010	<	0.010	<	0.010	
10:35		Lock 38 1419 Canal Rd - Talbot							SFA-214		0.019	<	0.010		0.019	
11:42		Lock 39 33245 Durham Rd - Portage							SFA-215	<	0.010	<	0.010	<	0.010	
11:30		Lock 40 33245 Durham Rd - Thorah							SFA-216		0.016	<	0.010		0.016	
11:25		Lock 41 33235 Durham Rd - Gamebridge							SFA-217		0.550	<	0.010		0.550	
11:05		Bridge 50 1202 Ramara Rd Beaverton							SFA-218		0.015	<	0.010		0.015	
09:30		Kirkfield Shop							SFA-219		0.174	<	0.010		0.174	

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Raw = RDistribution = D

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N/A = Not Applicable

Point of Entry = E

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received

Raw Water Comsumed = RWC

Analysis Date & Time:	2014-07-17 16:30	Analyzed By: AV Audited B	sy: AD	_Methodology: SFA mg/L			
Transcribed By: AC		Authorized & Rechecked By:	TJ/JT	Copy Released By: AB/AD			_
Loh No	Doromotory	Cubmitting Agency @	ш	SAC @ AMOL#	Dv.	Data	
Lab No:	Parameter:	Submitting Agency @	H.U. @	SAC @ AWQI #	By:	Date:	

Test Methodology (SFA) and Detection Lim

Nitrate	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:	Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2)
Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	1.0 mg/L Methodology:	Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2)
Nitrate + Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:	Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2)

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Date		Twp/Town	
Sampled:	2014-08-13	 Systems Health Unit	HKPRDHU
Collected By:	S. Schweitzer	Regulation	N/A
Name of	Kirkfield Sector	Total # of pages sent	1
Facility  Drinking Water Syster		 # of samples sent	3
(DWS) #		 # of samples received	3

			Final Certificate of Nitrate and Nitrite Analysis of Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	
2014-08-13 11:55	21.4	LJ	

2014	00 10 11:55 21:4		
Report To:	Trent Severn Waterway ATTN	I: Chuck Wilkinson	
Address:	2023 Kirkfield Road, P.O.Box 10	Kirkfield, ON K0M 2B0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addr	ess: chuck.wilkinson@pc.gc.ca;	kim.marshall@pc.gc.ca; n	icole.hamilton@pc.gc.ca
"Live Perso	n" After Hours Contact Name and Te	I No. Chuck Wilkins	son 705-887-8390

Conditions/ S. Schweitzer Comments Submitted By:

Time	Sample		Water	Temp. Of			ment Inforr	1	Laboratory		Nitrate as N		Nitrite as N	Nitr	ate + Nitrite as N		
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	mg/L	>/<	mg/L	>/<	mg/L		
10:16		Lock 36 2023 Kirkfield Rd - Kirkfield							SFA-280		0.046	<	0.010		0.046		
10:59		Lock 37 92 Talbot Dr - Bolsover							SFA-281	<	0.010	<	0.010	<	0.010		
10:09		Kirkfield Shop							SFA-282		0.066		0.010		0.076		

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For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received N/A = Not Applicable

Distribution = $\Gamma$
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Raw = R

Point of Entry = E

Raw Water Comsumed = RWC

	Analysis Date	& Time: 2014-08-	14 16:30	Analyzed By:AVAudi	ted By: <u>AD</u> Me	thodology: SFA m	g/L		
Transc	ribed By: AC	<u> </u>		Authorized & Rechecked By:	TJ/JT	Copy Rele	ased By: AB/AD		
	Lab No:	Paramete	er:	Submitting Agency @	H.U. @	SAC @	AWQI#	Ву:	Date:
est Methodology (SF	A) and Detection Li	mit							
itrate	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:				ater samples (modified EPA353.2)
itrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	1.0 mg/L Methodology:	Automated Colour	metric Determination of I	Nitrite as N is wat	ter samples (modified EPA353.2)
itrate + Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:	Automated Colour	metric Determination of I	Nitrate + Nitrite as	s N in water samples (modified EPA 353.2)

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Submitted By:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Sterling S.

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Date		Twp/Town	
Sampled:	2014-08-20	Systems Health Unit	HKPRDHU
Collected By:	Sterling S.	Regulation	N/A
Name of	Kirkfield Coeter	Total # of pages sent	1
acility  Orinking Water Syst	Kirkfield Sector	# of samples sent	11
DWS)#		# of samples received	11

		Final Certificate of Nitrate and Nitrite Analysis of Water
'd.	Receiver:	

Final Cartificate of Nitrata and Nitrita Analysis of Water

Report To: Trent Severn Waterway ATTN: Chuck Wilkinson

2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0 Address:

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email Ext:

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Time	Sample		Water	Temp. Of			ment Inforn	nation	Laboratory	- 1	Nitrate as N		Nitrite as N	Nitr	ate + Nitrite as N	
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	mg/L	>/<	mg/L	>/<	mg/L	
08:30		Lock 36 2023 Kirkfield Rd - Kirkfield							SFA-309		0.074	<	0.010		0.074	
09:08		Lock 35 161 Trent Canal Rd - Rosedale							SFA-310	<	0.010	<	0.010	<	0.010	
09:46		Bridge 43 138 Bolsover Rd - Bolsover							SFA-311	<	0.010	<	0.010	<	0.010	
09:56		Bridge 44 34223 Mara Eldon Boundary Ro							SFA-312		0.029	<	0.010		0.029	
10:09		Lock 37 92 Talbot Dr - Bolsover							SFA-313		0.023	<	0.010		0.023	
10:22		Lock 38 1419 Canal Rd - Talbot							SFA-314	<	0.010	<	0.010	<	0.010	
10:32		Lock 39 33245 Durham Rd - Portage							SFA-315	<	0.010	<	0.010	<	0.010	
10:40		Lock 40 33245 Durham Rd - Thorah							SFA-316		0.012	<	0.010		0.012	
10:52		Lock 41 33235 Durham Rd - Gamebridge							SFA-317		0.428	<	0.010		0.428	
11:06		Bridge 50 1202 Ramara Rd Beaverton							SFA-318		0.035	<	0.010		0.035	
08:35		Kirkfield Shop							SFA-319		0.010	<	0.010		0.010	

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N/R = Not Received

N/A = Not Applicable

Raw = R Distribution = D

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time: 2014-08-21 15:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L Copy Released By: AD/AB/HM Transcribed By: CAB Authorized & Rechecked By: SAC @ AWQI# H.U. @ Date:

Test Methodology (SFA) and Detection Limit

0.010 mg/L Nitrate COAL N Detection Limit Reportable Limit: 10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2) Nitrite COAL N **Detection Limit** 0.010 mg/L Reportable Limit: Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2) 1.0 mg/L Methodology: COAL N Detection Limit Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) Nitrate + Nitrite 0.010 mg/L Reportable Limit: 10.0 mg/L Methodology:

te Analysis of Water			e e		Scan & Email					Nitrate + Nitrite		20.010	010.02	0.03	0.036	7000	0.037	Pre-Fax Check By:		-08- 2 1 2014			
Primary Report for Nitrate and Nitrite Analysis of Water					Fax: 705-438-5201 + Sc	chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca	05-887-8390				THIS AREA FOR LABORATORY USE ONLY	20.010	0000	0,00	0,000	0.0.0	000	1/ysis ideally within 30 hours 1/2 (ganic parameters. Samples Pre-Fa. and hing procedures visit	P	20	Date:		
Primary Rep	0.10		huck Wilkinson	kfield, ON KOM 2B0	m X;	.marshall@pc.gc.ca; nic	Chuck Wilkinson 705-887-8390		Laboratory				4					7. The samples require analysis ideally with by MOE in these specific inorganic parameters agency Encollection and handling precedence [		SFA mg/L, Reportable Lir	## Bv:		MOE/MOHLTC
o. (°C) Received:	a		Trent Severn Waterway ATTN: Chuck Wilkinson	2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON KOM 2B0	438-3153	wilkinson@pc.gc.ca; kim	Contact Name and Tel. No:	Please Chock	pa	Nitrate + Olitrate + Olitrate Hibrate + Nitrite		300	COS 2	78	3,7	38	3	s under refrigeration to laborato coredited by SCC and licensed responsibility of the submitting e		AUG 2 1 2014 Nitrate/Nitrate + Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit- 10.0 mg/L Nitrite Methodology (COAL N): SFA mg/L, Reportable LimRangmg/L	SAC @ AWQ!#		Email
nai -	LAB STECEIVED 14.70	~	Report To: Trent Seve	Address: 2023 Kirkfi	Telephone: 705 438	Email Address: chuck.	"Live Person" After Hours Contact Name and Tel. No.	Treatment Information -	S	Operational/Field  Chlorine  Chlorine  Total  Free  mg/L	+							ing Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours to only to the aliquot submitted. COAL is accredited by SCC and licensed by MCE in these specific inorganic parameters. Samples of samples or incorrect quantity, this is the responsibility of the submitting agency. Enceloaction and handhanding precedence wis that N.R. = Not Received N.A. = Not Applicable		Mitrate/Nitrate + Nit	H.U. @		Email/Mail
TORY INC.		Township/Town	SMDHU		Y	9			Temp. of	(Indicate > Sample   Sample	$\dagger$	> >	>	>	>	>		indicated. Sampling Preca alysts. Results relate only to the ed, misidentification of sample e preservative.		Audited By:	Adverse Reported to Submitting Agency @		
ICAL LABORA	705) 326-9316			sent sent	this page # of samples sent	this page	Comments/ Conditions:	n Requires Notification				la Pt. Rd		Shute Rd	n Rd N	ond St	ζ ;	nples unless otherwise is performed by qualified an sibility for parameters select ed the laboratory will add the MMMENTS.		Analyzed By:	Ac		Report Authorized By:
ONTARIO ANALYTICAL LABORATORY INC 4260 Burnside Line, R.R. #4	Orilla, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 <u>www.coalab.ca</u>	1 6 0 0	colina S.	7	Washago Sector	em (DWS) #	Feeling S.	Sampling Location	Describe the location AND indicate an appropriate letter classification,	(D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed	L C C C C C C C C C C C C C C C C C C C	Bridge 57 1641 Penninsula Pt.	Lock 43 19SR409 Unit 1	Lock 44 7001 Upper Big Chute Rd	Lock 45 175 Port Severn Rd N	Washago Shop 3321 Bond St		All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 7 days of collection. Analysis performed by qualified analysis. Results relate only to the aliquot submitted. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. Samples have been analysis as received. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. Enclated analysis and the preservative.  NR = Not Received NN = Not Applicable FOR LABORATORY USE ONLY IL ABORATORY COMMENTS.		Analysis Date & Time: AUG. 2 1 2014 15-2-	Parameter.	2	Transcription Verified Bv
CENTRAL O		Date Sampled:	Collected By: 94	Signature:	Name of Facility:	Drinking Water System (DWS) #	Submitted By:  (Please Print)		ple ifier	AM/PM with E Till (IC 12-hour clock S de (F cor use 24-hour clock)	MACN. D	4.35m	5.28.K	(1.50pm	C. I.	6.46im		All samples will be cc and must be analyzed wi have been analyzed as rec www.coalab.ca/watersamj FOR LABORATORY US		Analysis Date & Time:	Lab No:		Transcribed By:

The definition of exceedances must be reported to MOEMVA2002), O. Reg 170/03 and O. Reg 170/03 and O. Reg 180/08; 319/08 (pidase see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOEMVAtarnworks for O. Reg 170/03 and O. Reg 1

Reportable

event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one and to MOHLTC/MOH/Waterwork for O. Reg 318/08, Health Unit telephone and fax numbers are indicated on adverse paperwork. Failure to do so is an offence under the Act. It is necessary that the above information is complete. A "live person" must be available in the number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples) Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see

Primary SFA Nitrate and Nitrite Report, PITA 112, 1206, Revision 1.2

	1 3 2
1	1 3/12
1	
	LABORATORY

Faecal Streptococcus COAL FS Detection Limit

0 - 80

Reportable Limit:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fav: (705) 326-9316

		Final	Certificate of Microbiologi	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-06-09 14:30
2014-06-09 13:25	11.6	AB	HPC & FS Date & Time Incubated:	

LABORATOR		705) 326-8285	) 321	0-9316					2014-06-	09 13:25	11	.6 A	λB	HPC & FS Incubated:	Date	& Time			
Date				o/Town	Kawarth	na La	akes												
Sampled:		2014-06-09		stems alth Unit	HKPI	RDH	U	Rep	ort To: Ti	rent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN:	Chu	ck Wilkinso	<u>n</u>		
Collected By	:	Josh Crego		gulation	319	9/08		Add	dress: 20	023 Kirkfield Roa	ad Ki	rkfield, ON. I	K0M	2B0					
Name of		<u> </u>	То	tal # of		1		Tele	ephone:	705 438-3153				Ext:		Fax: 705	j-438	-5201 + Scan	. & Email
Facility		Kirkfield Sector		ges sent samples		1		- Fma	ail Address	: chuck.wilkins	on@	nc.ac.ca: lei	ah.tr	ethewev@nc	ac c	a: nicole han	nilton	@pc.gc.ca	
Drinking Wa	ater System		_	sent samples		1						, , ,				-			
(DWS) #		Please See Below		ceived		1		"LIV	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390										
Submitted B	y:	Josh Crego		onditions/ omments															
					Temp. Of		Treat	ment Infor	mation		To	otal Coliform		E. coli	I	Background	П	HPC	
Time Sampled	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
																	+		
																	+		
																	+-	+	
				1													$\vdash$	-	
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																	$\vdash$		
		l Samebridge Lock 41															<del>                                     </del>	-	
11:20	T	33235 Durham Rd.		D						009633		0		0		0			
																	1		
•		sidered DISTRIBUTION sam									<u> </u>		1					<u></u>	
Analysis performs the following in COAL accepts For collection	ormed by qual norganic and s no responsil and handling	ified analysts. Results relate only physical parameters: pH, turbidity bility for parameters selected, misi procedures visit www.coalab.ca/w reptococcus HPC = Heterotrophic F	to the and a dentifi atersa	aliquot sub alkalinity. cation of sa amples.html	mitted. Sam	ples l	nave b	een analyze	ed as receive	ed. COAL is accred	ited by	SCC and licen		y MOE in these		fic microbiologic	·		Raw = R Distribution = D Point of Entry = E Comsumed = RWC
											./E 0	=1,400		F.S. and HPC	require	e 46 nours of incuba	ition	Raw Water C	Joinsumed = RWC
		e: 2014-06-10 13:00					_	_											
-		e:					_	_		HPC Methodolo					- CFU	J/100ml			
Т		By: AC			uthorized &							Released By:						_	
	L	ab No. Submitt	ng A	gency @ _				Health Un	it @	Spills Actio	n Cer	ntre (SAC) @		AW0	QI#		Ву: _	Date:	
Total Coliform E. coli	(Treated) (Untreated) (	COAL Endo Detection Limit COAL DC Detection Limit COAL DC Detection Limit	0 - 8 0 - 8 0 - 6	0 0	Reportable Reportable Reportable	Limit	: :		1 Pe 1 Pe	erformed by Membra erformed by Membra erformed by Membra	ne Fili ne Fili	tration I tration I	и/F С и/F С	FU/100 ml FU/100 ml FU/100 ml					
Background Background		COAL Endo Detection Limit COAL DC Detection Limit	0 - 2 0 - 2		Indicates D					erformed by Membra erformed by Membra				FU/100 ml FU/100 ml					
HPC											>200 Performed by Membrane Filtration M/F CFU/100 ml >500 Performed by Spread Plate SP CFU/1 ml								

Approved for use by TJ prior to use. Page 1 of 1

Performed by Membrane Filtration

M/F CFU/100 ml

1

	1
- 6	1 1 700
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		F	inal Certificate of Microbiolo	ogical Analysis of Drinking Wate
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-02 14:00
2014-07-02 12:14	23.5	MH	HPC & FS Date & Time	

(DWS) #	Please See Below	# of samples		"Live Person"
Drinking Water Sy		sent	11	Email Addres
Name of Facility	Kirkfield Sector	Total # of pages sent # of samples	3	Telephone:
Collected By:	Ellie Wright	Regulation	319/08	Address: 2
Date Sampled:	2014-07-02	Twp/Town Systems Health Unit	HKPRDHU	Report To:

Frent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email ss: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Ellie Wright Comments Submitted By:

					_	_				_								
				Temp. Of		Treati	ment Inforn	nation		Tc	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	>/< CFU/100 ml		CFU/100 ml	<b>//</b> <	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	lale Lock 35 #835J66E47																
08:58			D						011635		0		0		0			
08:10		2023 Kirkfield Rd.	D						011636		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
10:52		92 Talbot Dr.	D						011637		0		0		0			
	Bolsover Bridge 43 (Reg. N/A)										_							
11:18			D						011638		0		0		0			
		sidered DICTRIBUTION complete																

N/R = Not Received

Performed by Membrane Filtration

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Detection Limit

Point of Entry = E

Raw Water Comsumed = RWC

Analysis Date & Time: 2014-07-03 13:00 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml

Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 1 Detection Limit M/F CFU/100 ml E. coli COAL DC 0 - 60 Reportable Limit: 1 Performed by Membrane Filtration Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Performed by Membrane Filtration M/F CFU/100 ml Background Detection Limit 0 - 200 Indicates Deterioration: >200 HPC COAL HPC Detection Limit Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup>

Reportable Limit:

Final Certficate, PITA 102, 1311, Revision 1.3

By:

F.S. and HPC require 48 hours of incubation

M/F CFU/100 ml

COAL FS

Faecal Streptococcus

Date

Sampled:

Name of

(DWS) #

Submitted By:

Facility

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

2014-07-02

Ellie Wright

Kirkfield Sector

Ellie Wright

Please See Below

		inal Certificate of Microbiol	ogical Analysis of Drinking Water
Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-02 14:00
22 5	NAL I	HPC & FS Date & Time	

20 0010		2014-07-02 12:14	23.5	MH	HPC & FS Da Incubated:	tte & Time	
wp/Town Systems	Kawartha Lakes	Report To: Trent Severn W	aterway Kirk	field Sector	ATTN: Chuc	ck Wilkinson	
ealth Unit	RMDHD						_
egulation	318/08	Address: 2023 Kirkfield Ro	ad Kirkfield, C	ON. KOM 2B	0		_
Total # of ages sent	3	Telephone: 705 438-3153	3		Ext:	Fax: 705-438-5201 + Scan & Email	
of samples sent	11	Email Address: chuck.wilkin	son@pc.gc.c	a; leigh.treth	newey@pc.gc.	ca; nicole.hamilton@pc.gc.ca	
of samples	11	"Live Person" After Hours Conf	tact Name and	Tel. No:	Chuck Wilkin	nson 705-887-8390	
received	11						
`anditiano	·1						_

Treatment Information Total Coliform Background HPC E. coli Temp. Of Sample Water Laboratory Time Sample Identification of Collection Site Other Total Cl<sub>2</sub> Free Cl<sub>2</sub> U.V. CFU/100 ml Sampled Identifier Type Number >/< CFU/100 ml >/< CFU/100 ml CFU/1 ml (°C/°F) (mg/L) (mg/L) Talbot Lock 38 1419 Canal Rd. D 011639 0 0 0 10:40 Portage Lock 39 D 0 10:27 33245 Durham Rd. 011640 0 0 **Thorah Lock 40** 33245 Durham Rd. D 011641 0 0 10:17 0 Gamebridge Lock 41 10:07 33235 Durham Rd. D 011642 0 0 0

Date & Time Received:

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Comments

Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

.S. & Faecal Strep. = Faecal	Streptococcus	HPC = Heterotrophi	Plate Count HPM	= Heavy Partic	culate Matter			N/R = Not Received	F.S. ar	d HPC require 4	8 hours of incubation	Raw Water Comsumed = RWC
Analysis Date & T	ime: 2	2014-07-03 13:00	Enumerat	ed By: L	_C Aud	ited By:	AK	Methodology: M/F CFU/100ml				
Analysis Date & T	ime:		Enumerat	ed By:	Aud	ited By:		HPC Methodology: SP CFU/1r	ml; FS Methodolog	: M/F CFU/	100ml	
Transcribed	By: CA	B	A	uthorized 8	Rechecked	By: TJ	/JT	Copy Released	d By: AV/AB/CA	B/HM		
	Lab No	Subm	itting Agency @		Н	ealth Unit	t @	Spills Action Centre (SAC)	@	AWQI#	By:	Date:
est Methodology and Det	ection Limit											
otal Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable	Limit:	1		Performed by Membrane Filtration	M/F CFU/100 ml			
otal Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable	Limit:	1		Performed by Membrane Filtration	M/F CFU/100 ml			
. coli	COAL DC	Detection Limit	0 - 60	Reportable	Limit:	1		Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL Endo	Detection Limit	0 - 200	Indicates D	eterioration:	>	200	Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL DC	Detection Limit	0 - 200	Indicates D	eterioration:	>	200	Performed by Membrane Filtration	M/F CFU/100 ml			
IPC T	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates D	eterioration:	>	500	Performed by Spread Plate	SP CFU/1 ml			
aecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable	Limit:	1		Performed by Membrane Filtration	M/F CFU/100 ml		Final Cartfinata D	ITA 102 1211 Boyisian 1.2

LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		F	inal Certificate of Microb	iological Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-02 14:00
2014-07-02 12:14	23.5	MH	HPC & FS Date & Time Incubated:	

Sampled:	2014-07-02	Systems Health Unit	RMDHD
Collected By:	Ellie Wright	Regulation	N/A
Name of	Kinkiald Caston	Total # of pages sent	3
Facility Drinking Water Sy	Kirkfield Sector stem	# of samples sent	11
(DWS) #	Please See Below	# of samples received	11

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. KOM 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

F.S. and HPC require 48 hours of incubation

Submitted By: Ellie Wright Comments

		<u></u>																
				Temp. Of		Treati	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	×	CFU/100 ml	<b>/</b> /	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																
11:10		34223 Mara Eldon Boundary Rd.	. D						011643		0		0		0			
		Bridge 50																
09:55		1202 Ramara Rd. Lakeshore	D						011644		0		0		0			
		Kirkfield Shop																
08:15		46 Talbot St.	D						011645		0		0		0			
		cidored DISTRIBUTION camples																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Distribution = D

Raw Water Comsumed = RWC

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

Raw = R

 Analysis Date & Time:
 2014-07-03 13:00
 Enumerated By:
 LC
 Audited By:
 AK
 Methodology: M/F CFU/100ml

 Analysis Date & Time:
 Enumerated By:
 Audited By:
 HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By:

Submitting Agency @ Spills Action Centre (SAC) @ Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml SP CFU/1 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

N/R = Not Received

1 1 Yan	
LABORATORY	
	LABORATORY

Date Sampled:

Facility

(DWS) #

Submitted By:

Collected By: Name of

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-15

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<u>ab.ca</u>		
4-07-15	Twp/Town Systems Health Unit	HKPRDHU
	Regulation	319/08
ield Sector	Total # of pages sent	3
leid Sector	# of samples sent	11
Please See Below	# of samples	11

Final Certificate of M	Microbiological Ar	nalysis of Drinking	ı Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-15 14:00
2014-07-15 12:25	16.7	LJ	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn Waterway Kirkfield Sector	ATTN:	Chuck Wilkinson
Address:	2023 Kirkfield Road Kirkfield, ON. K0M 2B	0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: chuck.wilkinson@pc.gc.ca; kim.marsh	nall@pc.	gc.ca; nicole.hamilton@pc.gc.ca

F.S. and HPC require 48 hours of incubation

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Submitted by	•		Comments														
-		_	10/	Temp. Of	 Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	e Water Type	Sample (°C/°F)	Other			Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	ale Lock 35 #835J66E47															
08:49		161 Trent Canal Rd.	D					012673		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39															
08:15		2023 Kirkfield Rd.	D					012674		0		0		2			
	Bolso	ver Lock 37 #835J66E21															
10:17		92 Talbot Dr.	D					012675		0		0		0			
	Bolsov	ver Bridge 43 (Reg. N/A)															
09:50		138 Bolsover Rd.	D					012676		0		0		0			
		idered DISTRIBUTION complet															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

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Raw = R

Raw Water Comsumed = RWC

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

Analysis Date & Time: 2014-07-16 13:00 Enumerated By: AK Audited By: AV Methodology: M/F CFU/100ml Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC

 d By:
 AC
 Authorized & Rechecked By:
 TJ/JT
 Copy Released By:
 HM/LJ

 Lab No.
 Submitting Agency @
 Health Unit @
 Spills Action Centre (SAC) @
 AWQI #
 By:
 Date:

N/R = Not Received

Test Methodology and Det	ection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

A	
E	
A Pac	
	Þ
LABORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Date		Twp/Town	Kawartha Lakes
Sampled:	2014-07-15	Systems Health Unit	RMDHD
Collected By:	Ellie Wright	Regulation	318/08
Name of	Virlefield Contar	Total # of pages sent	3
Facility  Drinking Water S	Kirkfield Sector	# of samples sent	11
(DWS) #	Please See Below	# of samples	11

	FIIId	il Certificate of Microbi	lological Analysis of Drinking Water
. Rec'd. °C):	Receiver:	Date & Time Incubated:	2014-07-15 14:00

Final Cartificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-15 14:00
2014-07-15 12:25	16.7	LJ	HPC & FS Date & Time Incubated:	
				•

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email Ext: Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Conditions/ Comments

Ellie Wright Submitted By:

			Temp. Of		Treat	ment Inforr	mation		To	tal Coliform		E. coli	В	ackground		HPC	
Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)			Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml			
	Talbot Lock 38																
	1419 Canal Rd.	D						012669		0		0		0			
	Portage Lock 39																
	33245 Durham Rd.	D						012670		0		0		0			
	Thorah Lock 40																
	33245 Durham Rd.	D						012671		0		0		0			
G	amebridge Lock 41																
		П						012672		0		0		0			
		Talbot Lock 38  1419 Canal Rd.  Portage Lock 39  33245 Durham Rd.  Thorah Lock 40  33245 Durham Rd.  Gamebridge Lock 41	Talbot Lock 38  1419 Canal Rd. D  Portage Lock 39  33245 Durham Rd. D  Thorah Lock 40  33245 Durham Rd. D  Gamebridge Lock 41	Sample Identifier Identification of Collection Site Water Type Sample (°C/°F)  Talbot Lock 38  1419 Canal Rd. D  Portage Lock 39  33245 Durham Rd. D  Thorah Lock 40  33245 Durham Rd. D	Sample Identifier Identification of Collection Site Water Type Sample (°C/°F)  Talbot Lock 38  1419 Canal Rd. D  Portage Lock 39  33245 Durham Rd. D  Thorah Lock 40  33245 Durham Rd. D  Gamebridge Lock 41	Sample Identifier  Identifier  Identification of Collection Site  Water Type  Sample (°C/°F)  Talbot Lock 38  1419 Canal Rd.  Portage Lock 39  33245 Durham Rd.  D  Thorah Lock 40  33245 Durham Rd.  D  Gamebridge Lock 41	Sample Identification of Collection Site  Water Type  Sample (°C/°F)  Talbot Lock 38  1419 Canal Rd.  D  Portage Lock 39  33245 Durham Rd.  D  Thorah Lock 40  33245 Durham Rd.  Gamebridge Lock 41	Identification of Collection Site	Sample Identifier         Identification of Collection Site         Water Type         Sample (°C/°F)         ≥ 3 g b (mg/L)         Total Cl₂ (mg/L)         Free Cl₂ (mg/L)         Laboratory Number           Talbot Lock 38         1419 Canal Rd.         D         012669           Portage Lock 39         012670           33245 Durham Rd.         D         012670           Thorah Lock 40         012671           Gamebridge Lock 41         D         012671	Sample Identifier         Identifier         Water Type         Sample (°C/°F)         ∃ ∃ ∃ Total Cl₂ (mg/L)         Free Cl₂ (mg/L)         Laboratory Number         >/<           Talbot Lock 38           1419 Canal Rd.         D         012669         012669           Portage Lock 39         012670           33245 Durham Rd.         D         012670           Thorah Lock 40         012671           Gamebridge Lock 41         012671	Sample Identifier         Identification of Collection Site         Water Type         Sample (°C/°F)         Sample (°C/°F)         Total Cl₂ (mg/L)         Free Cl₂ (mg/L)         Laboratory Number         >/<         CFU/100 ml           Talbot Lock 38           1419 Canal Rd.         D         012669         0           Portage Lock 39           33245 Durham Rd.         D         012670         0           Thorah Lock 40         012671         0           Gamebridge Lock 41         012671         0	Sample   Identification of Collection Site   Water   Type   Sample   (°C/°F)   Signal   Equation   Site   Sample   (°C/°F)   Signal   Equation   Site   Sample   (°C/°F)   Signal   Equation   Site   Sample   Site   Equation   S	Sample   Identification of Collection Site   Water   Type   Sample   (°C/°F)   Size   Eaby   Total Cl <sub>2</sub>   (mg/L)   Free Cl <sub>2</sub>   (mg/L)   Number   Size   CFU/100 ml   Size   CFU/100 ml	Sample   Identification of Collection Site   Water Type   Sample (°C/°F)   Sample (°C/°F)	Sample   Identifier   Identification of Collection Site   Water Type   Sample (°C/°F)   S	Sample   Identifier   Identification of Collection Site   Water Type   Sample (°C/°F)   S	Sample   Identification of Collection Site   Water Type   Sample (°C/°F)   Sample (°C/°F)

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Distribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Point of Entry = E

Raw = R

F.S. & Faecal Strep. = Faecal Streptocoo	cus HPC = Heterotrophic Plan	te Count HPM = Heavy Particu	late Matter	N/R = Not Received	F.S. and HPC require 48 hours of incubation	Raw Water Comsumed = RW0
Analysis Date & Time:	2014-07-16 13:00	Enumerated By: A	Audited By: AV	Methodology: M/F CFU/100ml		
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS M	ethodology: M/F CFU/100ml	
Transcribed By:	AC	Authorized & F	Rechecked By: TJ/JT	Copy Released By:	łM/LJ	<u> </u>
Lab No.	Submitting	g Agency @	Health Unit @	Spills Action Centre (SAC) @	AWQI# By:	Date:
Test Methodology and Detection Lin	nit					

Lest Methodology and Dete	ection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

/	1 CATES
Ì	LABORATORY

E. coli

Background

Background

Submitted By:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www	.coa	lab	.ca

(DWS) #	Please See Below	# of samples received	11
Drinking Water Syste	em	# of samples sent	11
Name of Facility	Kirkfield Sector	Total # of pages sent	3
Collected By:		Regulation	N/A
Sampled:	2014-07-15	Systems Health Unit	RMDHD
Date		Twp/Town	Kawartha Lakes

Final Certificate of Microbiological Analysis of Drinking Water

			ar our timouto or innor obtoio	groun randing ord or Drinnang tracor
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-15 14:00
2014-07-15 12:25	16.7	LJ	HPC & FS Date & Time Incubated:	

1	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0
1	Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email
1	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca
	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/

Comments

T:	Camania		\//ata=	Temp. Of		Treatment Information		nation		Total Coliform		E. coli		Background		HPC		
	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	>/<	/< CFU/100 ml	>/<	CFU/100 ml >	>/<	CFU/100 ml	»/<	CFU/1 ml	
		Bridge 44																
10:05		34223 Mara Eldon Boundary Rd.	D						012677		0		0		0			
		Bridge 50																
11:00		1202 Ramara Rd. Lakeshore	D						012678		0		0		0			
		Kirkfield Shop																
09:25		46 Talbot St.	D						012679		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

**Detection Limit** 

**Detection Limit** 

**Detection Limit** 

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL DC

COAL DC

COAL Endo

0 - 60

0 - 200

0 - 200

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

Point of Entry = E

F.S. & Faecal Strept. = Faecal Streptoco	occus HPC = Heterotroph	ic Plate Count HPM = Heavy Particu	ılate Matter	N/R = Not Received	F.S. and	HPC require 48 hours of incubation	Raw Water Comsumed = RWC				
Analysis Date & Time:	2014-07-16 13:00	Enumerated By: Al	Audited By: AV	Methodology: M/F CFU/100ml							
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1m	l; FS Methodology	: M/F CFU/100ml					
Transcribed By:	AC	Authorized & F	Rechecked By: TJ/JT	Copy Released	By: HM/LJ		<u> </u>				
Lab No	o Subm	itting Agency @	Health Unit @	Spills Action Centre (SAC)	@	AWQI# By:	Date:				
Test Methodology and Detection L	imit										
Total Coliform (Treated) COAL	Endo Detection Limit	0 - 80 Reportable L	imit: 1	Performed by Membrane Filtration	M/F CFU/100 ml						
Total Coliform (Untreated) COAL	DC Detection Limit	0 - 80 Reportable L	imit: 1	Performed by Membrane Filtration	M/F CFU/100 ml						

COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS **Detection Limit** 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

>200

>200

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Submitted By:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

Chuck Wilkinson

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-07-28 14:30 (°C):

LABORATORY	www.coalab.ca			2014-07-28 13:09	17.2	1.1	Incubated:	x rime					
Date Sampled:	2014-07-28	Twp/Town Systems Health Unit	HKPRDHU	k Wilkinson									
Collected By:	Chuck Wilkinson	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0									
lame of	Kirkfield Sector	Total # of pages sent	3	Telephone: 705 438-3153			Ext:	Fax: 705-438-5201 + Scan & E	Email				
acility  Orinking Water Sy		# of samples sent	11	Email Address: chuck.wilkins	son@pc.gc.ca; kir	m.marsh	nall@pc.gc.ca; r	nicole.hamilton@pc.gc.ca					
DWS)#	Please See Below	# of samples received	11	"Live Person" After Hours Contac	ct Name and Tel. N	No:	Chuck Wilkinso	on 705-887-8390					
		Conditions/											

			Water Type	Temp. Of		Treatment Information				Total Coliform			E. coli	Background		HPC		
	Sample Identifier	Identification of Collection Site		Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	lale Lock 35 #835J66E47																
08:47		161 Trent Canal Rd.	D						013779		0		0		0			
	Kirkfie	eld Lock 36 #835J66E39																
09:40		2023 Kirkfield Rd.	D						013780		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
10:15		92 Talbot Dr.	D						013781		0		0		0			
		·															·	
	Bolso	ver Bridge 43 (Reg. N/A)																
09:45		138 Bolsover Rd.	D						013782		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Comments

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received Point of Entry = E

Raw Water Comsumed = RWC

Analysis Date & Time: 2014-07-29 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI#

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Detection Limit Reportable Limit: Performed by Membrane Filtration COAL DC 0 - 60 M/F CFU/100 ml E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC SP CFU/1 ml Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Faecal Streptococcus COAL FS **Detection Limit** 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

F.S. and HPC require 48 hours of incubation

Ι		
	The Year	
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LA	BORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

~			
Date		Twp/Town	Kawartha Lakes
Sampled:	2014-07-28	Systems Health Unit	RMDHD
Collected By:	Chuck Wilkinson	Regulation	318/08
Name of	Kinkfield Contor	Total # of pages sent	3
Facility	Kirkfield Sector	# of samples	
<b>Drinking Water Sy</b>	stem	sent	11
(DWS) #	Please See Below	# of samples	11

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-28 14:30
2014-07-28 13:09	17.2	TJ	HPC & FS Date & Time Incubated:	

#### Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address: Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Conditions/ Comments

Chuck Wilkinson Submitted By:

				Temp. Of	-	Treatr	ment Inforr	nation		T	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number		CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38																
10:45		1419 Canal Rd.	D						013783		0		0		0			
		Portage Lock 39																
11:00		33245 Durham Rd.	D						013784		0		0		0			
		Thorah Lock 40																
11:05		33245 Durham Rd.	D						013785		0		0		0			
	G	Samebridge Lock 41																
11:30		33235 Durham Rd.	D						013786		0		0		18			

For collection and handling procedures visit www.coalab.ca/watersamples.html

Approved for use by TJ prior to use.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Analysis Date & Time: 2014-07-29 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml

Distribution = D

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received

Point of Entry = E Raw Water Comsumed = RWC

Raw = R

Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM

> Lab No. Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date: Submitting Agency @

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS M/F CFU/100 ml Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration

Final Certficate, PITA 102, 1311, Revision 1.3

F.S. and HPC require 48 hours of incubation

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1		A		30
16	/	1		
1/			6	//
	AB		TOI	RY
- 1	-		7	

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-28

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
4-07-28	Systems Health Unit	RMDHD
ck Wilkinson	Regulation	N/A
iiald Coator	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples received	11

Final Certificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd.	Receiver:	Date & Time Incubated:	2014-07-28 14:30
2014-07-28 13:09	17.2	TJ	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn Waterwa	y Kirkfield Sector	ATTN: Chuck Wilkinson
------------	----------------------	--------------------	-----------------------

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address:

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email Ext:

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Conditions/ Comments

Chuck Wilkinson Submitted By:

Treatment Information Total Coliform E. coli Background **HPC** Temp. Of Time Water Sample Laboratory Identification of Collection Site Sample J. V. Other Total Cl2 Free Cl<sub>2</sub> Sampled Identifier Type Number >/< CFU/100 ml CFU/100 ml >/< CFU/100 ml >/< CFU/1 ml (°C/°F) (mg/L) (mg/L) Bridge 44 34223 Mara Eldon Boundary Rd D 0 0 10.00 013787 23 Bridge 50 11:50 1202 Ramara Rd. Lakeshore D 013788 0 0 1 Kirkfield Shop D 08:12 46 Talbot St. 013789 0 0 0

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

2014-07-29 13:00

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Enumerated By: GD Audited By: AK

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

Page 1 of 1

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Distribution = D Point of Entry = E

Raw Water Comsumed = RWC F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation

Methodology: M/F CFU/100ml

Analysis Date & Time:	Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS	Methodology: M/F CFU/100ml		
Transcribed By: AC	Authorized &	Rechecked By: TJ/JT	Copy Released By: _	LJ/CAB/AB/HM		
Lab No.	Submitting Agency @	Health Unit @	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 M/F CFU/100 ml Background HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

100
LABORATORY

HPC

COAL HPC Detection Limit

Faecal Streptococcus COAL FS Detection Limit

Approved for use by TJ prior to use.

10 - 2.00 x 10<sup>3</sup> Indicates Deterioration:

Reportable Limit:

0 - 80

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

		Finai	Certificate of Microbiologi	ical Analysis of Drinking water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-10 15:00
2014-09-10 14:05	22.4	LJ	HPC & FS Date & Time	

							,						moubateu.					
Date			Twp/Town															
Sampled:		2014-09-10	Systems Health Unit	RM	DHU		Rep	ort To: Tr	ent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinson	1		
Collected By:		Chuck Wilkinson	Regulation		9/08		Add	dress: 20	23 Kirkfield Ro	ad Kir	kfield, ON. k	(OM 2	2B0					
Name of		CHUCK WIIKINSON	Total # of				Tele	ephone: 7	705 438-3153				Ext:		Fax: 705	-438-	·5201 + Scan	. & Email
Facility		Kirkfield Sector	pages sent # of samples		1								-					
Drinking Wat	er System	<u> </u>	sent		1		Em	ali Address:	chuck.wilkins	on w	pc.gc.ca; kiri	ı.maı	rsnail@pc.gc	.ca; i	nicole.namilio	onep	oc.gc.ca	
(DWS) #		Please See Below	# of samples received		1		<u>"Liv</u>	e Person" A	After Hours Conta	ct Nar	ne and Tel. No	):	Chuck Wil	kinso	on 705-887-8	3390		
			Conditions	1														1
Submitted By		Chuck Wilkinson	Comments															
		1			1	_			ı	_								
Time	Sample	Identification of Collection C	Water	Temp. Of Sample			nent Info		Laboratory	Тс	tal Coliform		E. coli	В	Background		HPC	
Sampled	Identifier	Identification of Collection S	Туре	(°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	-	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Kirkfield Shop																
08:15		46 Talbot St.	D						017539		0		0		0			
All times are Analysis perform the following in COAL accepts For collection a	transcribe med by qual organic and no responsil nd handling	isidered DISTRIBUTION samp ed in the 24-hour clock for upl ified analysts. Results relate only to physical parameters: pH, turbidity, billity for parameters selected, misid procedures visit www.coalab.ca/wareptococcus  HPC = Heterotrophic Pli-	oad to the Mi o the aliquot sul and alkalinity. lentification of s atersamples.htm	nistry of the omitted. Sam amples or inc	e Env ples h	vironm nave be quantii	en analyz	ed as receive	d. COAL is accred	ited by	SCC and licens	•	MOE in these s		ic microbiologica			Raw = R Distribution = D Point of Entry = E Comsumed = RWC
Analysis	Date & Tim	e: 2014-09-11 14:00	Enumera	ted By: G	D	Auc	lited By:	LJ	Methodology: N	//F CF	FU/100ml							
Analysis	Date & Tim	e:	Enumera	ed By:		Auc	lited By:		HPC Methodolo	ogy: S	P CFU/1ml; F	S Met	hodology: M/F	CFU	/100ml			
Tra	anscribed B	By: CAB	,	Authorized &	Recl	necked	I By:T	J/JT		Сору	Released By:	LJ	/AB/CAB/HM					
	La	ab No. Submittir	ng Agency @			H	lealth Un	it @	Spills Actio	n Cen	tre (SAC) @		AWO	QI #		Ву: _	Date:	
Test Methodolo Total Coliform ( Total Coliform ( E. coli Background	Treated) ( Untreated) ( (	COAL Endo Detection Limit COAL DC Detection Limit COAL DC Detection Limit COAL Endo Detection Limit	0 - 80 0 - 80 0 - 60 0 - 200	Reportable Reportable Reportable Indicates D	Limit Limit Deterio	: : oration:		1 Per 1 Per >200 Per	formed by Membra formed by Membra formed by Membra formed by Membra	ne Filt ne Filt ne Filt	ration N ration N ration N	1/F CF 1/F CF 1/F CF	FU/100 ml FU/100 ml FU/100 ml FU/100 ml					

>500

1

Performed by Spread Plate

Performed by Membrane Filtration

Page 1 of 1

SP CFU/1 ml

M/F CFU/100 ml

	1/30
11	3/12
	0//
	RATORY

Background

Faecal Streptococcus

HPC

COAL DC Detection Limit

COAL HPC Detection Limit

COAL FS Detection Limit

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

Indicates Deterioration:

Indicates Deterioration:

Reportable Limit:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

		Final	Certificate of Microbiolo	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-11-05 13:30
2014-11-05 12:36	19.9	MH	HPC & FS Date & Time Incubated:	

	Tal. (70	NE) 226 9295 Fav. (705	1 226 (	0246							(°C	3):							
LABORATORY	,	05) 326-8285  Fax: (705 <u>palab.ca</u>	326-8	9316					2014-11-0	05 12:36	19		1H	HPC & FS I Incubated:	Date 8	& Time			
Date			Twp/T	-										·					
Sampled:	- :	2014-11-05	Syste Health		HKPI	RDH	U	Rep	port To: <b>Tr</b>	ent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: (	Chuc	k Wilkinsor	1		
Collected By:		Kim Marshall	Regula	ation	319	9/08		Add	dress: 20	023 Kirkfield Roa	ad Kir	kfield, ON. k	(OM	2B0					
Name of			Total #	-		1		Tel	ephone:	705 438-3153				Ext:		Fax: 705	-438-	5201 + Scan	& Email
Facility		irkfield Sector	# of san	mples		<u>.                                    </u>		Em	ail Address:	: chuck.wilkins	on@	pc.gc.ca; kim	n.ma	rshall@pc.gc	.ca;	nicole.hamilt	on@p	oc.gc.ca	
Drinking Water (DWS) #	r System	Please See Below	# of san			1		"I is	/e Person"	After Hours Conta	ct Nar	me and Tel No	٠.	Chuck Wil	kinso	on 705-887-8	3390	-	
(5443)#		T lease oce below	receiv			1			re i ersori i	Alter Flours Conta	Ct INGI	ne and rei. No	J	Olidek Wil	KIIIO	511 7 05-007-0	0000		
Submitted By:		Jim Bacon		litions/ ments															
					Temp. Of		Treat	ment Info	rmation		To	otal Coliform		E. coli	В	Background		HPC	
	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub>	Laboratory Number		CFU/100 ml	>/<	CFU/100 ml		CFU/100 ml	>/<	CFU/1 ml	
	Kirkfield	Lock 36 #835J66E39					Ŭ												
11:30		2023 Kirkfield Rd.		D						021380		0		0		0			
All times are tr	ranscribed	dered DISTRIBUTION samp in the 24-hour clock for up	load to	the Min	istry of the	e Env	/ironn	•	•	•		-		•	enecifi	ic microbiologic	al nara	meters and	
the following inorg COAL accepts no For collection and	ganic and ph responsibili d handling pr	ysical parameters: pH, turbidity, ty for parameters selected, misio ocedures visit www.coalab.ca/w tococcus HPC = Heterotrophic P	, and alka dentificati vatersamp	alinity. ion of sar ples.html	mples or inc	orrect	quant	-			-		360 D)			48 hours of incuba			Raw = R Distribution = D Point of Entry = E Comsumed = RWC
Analysis Da	ate & Time:	2014-11-06 13:00	En	umerate	ed By:	BD	Au	dited By:	CS	Methodology: M	1/F CF	FU/100ml							
Analysis Da	ate & Time:		En	umerate	ed By:		Au	dited By:		HPC Methodolo	ogy: S	P CFU/1ml; F	S Met	hodology: M/F	CFU	I/100ml			
Trans	scribed By:	ST		Αι	uthorized &	Rech	hecke	d By:J	IT/TJ		Сору	Released By:	G	D/AB/AM					
	Lab	No Submitti	ing Agen	ncy @				Health Un	nit @	Spills Action	n Cen	tre (SAC) @		AWO	QI #		Ву:	Date:	
Test Methodology Total Coliform (Transcol Coliform (Ur E. coli Background	reated) CO ntreated) CO CO	AL Endo Detection Limit	0 - 80 0 - 80 0 - 60 0 - 200		Reportable Reportable Reportable Indicates D	Limit Limit	:		1 Pe 1 Pe	erformed by Membra erformed by Membra erformed by Membra erformed by Membra	ne Filt ne Filt	ration N ration N	N/F CF	FU/100 ml FU/100 ml FU/100 ml FU/100 ml					

Final Certficate, PITA 102, 1311, Revision 1.3 Approved for use by TJ prior to use. Page 1 of 1

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

>200

>500

		1		
1	3		PO .	
111	1	-/	3	2
1	=//			3
1	3		1/1	

Date Sampled:

Collected By:

**Drinking Water System** 

Name of Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-12-03

C. Wilkinson

Kirkfield Sector

Please See Below

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHU
	Regulation	N/A
	Total # of pages sent	1
_	# of samples sent	1
	# of samples	4

Final Certificate of	Chemical A	Analysis	of Wate
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Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved:	Tech:
2014-12-03 12:25	16.6	MH	2014-12-03 15:06	JT

Report To:	Trent Severn Waterway Kirkfield	Sector ATTN: Chic	k Wilkinson
Address:	2023 Kirkfield Road Kirkfield, ON, K	(0M 2B0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: chuck.wilkinson@pc.gc.ca; kim	n.marshall@pc.gc.cs	s; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: C. Wilkinson Comments

Time	Sample		Water	Temp. Of	Laboratory		Lead	Turbidity	А	lkalinity	рН	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	Number	>/<	μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	
		Bridge 50										
09:20		1202 Ramara Rd. Lakeshore	D		L-104	<	1.00					

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/A = Not Applicable

Raw = R

Distribution = D

Point of Entry = E

N/A = Not Applicable

Raw Water Comsumed = RWC

Lead Analysis Date & Time: 2014-12-16 16:00 Analyzed By: JT Audited By: AF Methodology: AA μg/L Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub> pH Analysis Date & Time: Methodology: Electrometric pH Analyzed By: Audited By: Transcribed By: ST Authorized & Rechecked By: JT/TJ Copy Released By: Spills Action Centre (SAC) @ AWQI # Date: Lab No. Submitting Agency @ Health Unit @ Test Methodology and Detection Limit

COAL AA Reportable Limit: 10.0 µg/L Methodology: Graphite Furnace Atomic Absorption Lead Detection Limit 1.00 µg/L Methodology: рΗ COAL pH Detection Limit 4 - 10 Reportable Limit: N/A Electrometric Methodology: Total Alkalinity COAL Alk Detection Limit 10 - 4000 Reportable Limit: N/A Digital Titrator Turbidity COAL T Detection Limit 0.10 - 40.0 Reportable Limit: N/A Methodology: Nephelometric

Te w	rillia, ON L3V 6H4 el: (705) 326-8285 Fax: (705) 326-9 ww.coalab.ca	9316	Towns	hip/To	wn	7	FOR LAB USE	Š F	JUL 1	VE	) <sub> </sub>	:25	16.7						
Sampled: Y Y	Y Y M M D D	Syste	ems	5.00	NAMES OF TAXABLE														
(Please Print)	lie Wright	Health Total # o	Unit	H	(PRDHU		Rep	ort To:	Trent Se	vern \	Water	way A	TTN: Chuck Wil	kinson			11		
Signature:	STUW	ser # of samp	nt			4	Add	ress:	2023 Kir	kfield F	Road,	P.O.Bo	ox 10 Kirkfield, ON	N KOM 2BO					
Name of	MANAGEMENT OF MARKET COST	this p	age		2011	_	Tele	phone:	705 4	38-31	53		Ext:		Fax:	705-438-5201 +	Scan	& Email	
Facility: Drinking Water Sys	Tarkinda Octor	this p			11	15	Ema	ail Addres	s: chu	ck.wilk	inson(	@pc.gc	c.ca; kim.marshall	@pc.gc.ca; ni	cole.h	amilton@pc.gc.c	a		
(As Assigned By MC							"Live	e Person"	After Hou	s Cont	act Nar	ne and	Tel. No: Chuc	k Wilkinson 70	05-88	7-8390		o emer tutte	
Submitted By: (Please Print)	Charact Charact	Comm																	
Signature:	Sampling Location	Pog	uires Notific	ation		Tre	eatme	ent Inform	nation -	Ple	ease Ch	eck			T	T			$\overline{}$
Sampled (Indicate AM/PM with 12-hour clock	Describe the location AND indicate an appropriate	as p	per SDWA 2	2002:	Temp. of Sample	Indi	icate T	ype/Chlori Operation	ne Levels onal/Field		neter Re	+	Laboratory Number	Nitrate as N (mg/L)	Reportable	Nitrite as N (mg/L)	Reportable	Nitrate + Nitrite as N (mg/L)	
12-hour clock S	(R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed	03	80 80		°F or °C)	).	Other	Chli Total	orine Free	Nitrate	Nitrite	Nitrate Nitrite	(SFA-)	(mg/L)	Rep	(mg/L)	Rep	do 14 (mg/L)	0
or use 24-hour — clock)	(RWC) Raw Water - Consumed	170/03	318/08; 319/08	N/A	1 01 0,	-	0	mg/L	mg/L	z	Z	žz		THIS AREA	FOR L	ABORATORY USE	ONLY		Ω
<b>5</b>	Lock 36 2023 Kirkfield Rd - Kirkfield	1		~		П							2098	84.0		<0.01D		0.128	Т
- /	Lock 35 161 Trent Canal Rd - Rosedale			~		П							2108	0.070		60.01D		0.070	T
0:50	Bridge 43 138 Bolsover Rd - Bolsover			~										40.010		<0.010		K0.010	
10:10	Bridge 44 34223 Mara Eldon Boundary Re	d		~										610.02		40010		60.010	T
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D 15 15 15 15 15 15 15 15 15 15 15 15 15	Lock 38 1419 Canal Rd - Talbot			~									214	0.019		20.010		0.019	
11:42	Lock 39 33245 Durham Rd - Portage			~									215	40010		CO.010		40.010	1
11:30	Lock 40 33245 Durham Rd - Thorah			~									216	0,016		CG-010		0.016	
11:25	Lock 41 33235 Durham Rd - Gamebridge	е		~									217	0.550		40.010		0.550	
11:00	Bridge 50 1202 Ramara Rd Beaverton			~									218	210.0		CO:010		0.015	
9:30	Kirkfield Shop			~									219	6.174		20.010		0.174	
and must be analyzed have been analyzed as	considered DISTRIBUTION samples unlid d within 7 days of collection. Analysis performe s received. COAL accepts no responsibility for pusamples.html If holding time is required the labor	ed by qua arameter	alified analy: s selected,	sts. R	esults relate entification of	only to f sampl	the al	iquot subm incorrect q	nitted. COA	is accr s the re	redited b	y SCC a	and licensed by MOE i	in these specific i	norgani	c parameters. Samp		Pre-Fax Check By:	B
	USE ONLY / LABORATORY COMMENTS													SGA	NNE	Da EMAIL	ED	FAXI	E
Analysis Date & Tim	JUL 1 7 2014 16:30	alyzed B	y: <u> </u>		Audited	By: -	N	O_Nit	trate/Nitrate	+ Nitrit	te Meth	nodolog	y (COAL N): SFA m mg/L, Reportable l	g/L, Reportable				JUL	3
_								1400		-1097 (	J 0/1L	.,	g. c., . toportable t	BY			Pa	deS	-0
Lab No:	Parameter:				Reported to Agency @			H.U. (	@	SA	/C @ _		AWQI#	Ву:	and the latest designation of the latest des	Date:		- 1	1
																		1	-1
Transcribed	Transcription Verified By:	R	eport orized By:					nail/Mail istomer:			Em.		M	OE/MOHLTC Upload:		Invoic			

number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**Chain of Custody** 

Primary SFA Nitrate and Nitrite Report, PITA 112, 1206, Revision 1.2

Primary Report for Nitrate and Nitrite Analysis of Water

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

1	13		30	
111			18	
V	3	7	1/	7
7		(4)	ZZ,	
10	ABOR	ATO	RY	

Date

Sampled:

Name of

Facility

(DWS) #

Submitted By:

Collected By:

**Drinking Water System** 

4260 Burneido Lino D.D. #4

2014-08-12

Ellie Wright

Kirkfield Sector

Ellie Wright

4200 Dulliside Lille, K.K. #4	
Orillia, ON L3V 6H4	
Tel: (705) 326-8285 Fax: (705) 326-9316	
www.coalab.ca	
	ĺ

Report To	J. TICIN SEVEIN VV	atterway Arr	THE GRADIE THINKINGO	·-	
	· Trent Severn Wa	aterway ATI	TN: Chuck Wilkinson	n	
201-	4-00-12 11.50	20.9	1011 1		
2014	4-08-12 11:56	20.9	MH		

Ext:

Final Certificate of Nitrate and Nitrite Analysis of Water

Fax: 705-438-5201 + Scan & Email

Twp/Town Systems Health **HKPRDHU** Unit N/A Regulation Total # of pages 1 sent 8 f of samples sent # of samples 8 received

chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca Email Address:

Receiver:

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Temp. Rec'd.

Conditions/ Comments

Time	Comple		Water	Temp. Of		Treat	ment Inforn	nation	Laboratory		Nitrate as N		Nitrite as N	Nitra	ate + Nitrite as N	
Sampled	Sample Identifier	Identification of Collection Site	Type	Sample (°C/°F)	.V.U	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	mg/L	>/<	mg/L	>/<	mg/L	
09:00		Lock 35 161 Trent Canal Rd - Rosedale							SFA-265		0.011	<	0.010		0.011	
09:45		Bridge 43 138 Bolsover Rd - Bolsover							SFA-266	<	0.010	<	0.010	<	0.010	
10:01		Bridge 44 34223 Mara Eldon Boundary Rd							SFA-267		0.295	<	0.010		0.295	
10:25		Lock 38 1419 Canal Rd - Talbot							SFA-268		0.047	<	0.010		0.047	
10:40		Lock 39 33245 Durham Rd - Portage							SFA-269	<	0.010	<	0.010	<	0.010	
10:45		Lock 40 33245 Durham Rd - Thorah							SFA-270		0.035	<	0.010		0.035	
10:51		Lock 41 33235 Durham Rd - Gamebridge							SFA-271		0.539	<	0.010		0.539	
11:05		Bridge 50 1202 Ramara Rd Beaverton							SFA-272		0.017	<	0.010		0.017	
		pidorod DISTRIBUTION complex unless														

Date & Time Received:

Telephone: 705 438-3153

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received

N/A = Not Applicable

Point of Entry = E Raw Water Comsumed = RWC

Raw = R

Distribution = D

Analysis Date & Time:	2014-08-14 16:30	Analyzed By:AVAudited E	By: AD	_Methodology: SFA mg	/L			
Transcribed By: AC		Authorized & Rechecked By:	TJ/JT	Copy Relea	ased By: AB/AD			_
Lab No:	Parameter:	Submitting Agency @	H.U. @	SAC @	AWQI#	Ву:	Date:	
est Methodology (SFA) and Detection Limit								

Nitrate COAL N **Detection Limit** 0.010 mg/L Reportable Limit: 10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2) Nitrite COAL N **Detection Limit** 0.010 mg/L Reportable Limit: Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2) 1.0 mg/L Methodology: COAL N **Detection Limit** 0.010 mg/L Reportable Limit: Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) Nitrate + Nitrite 10.0 mg/L Methodology:

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	/				
11	_	3	13	1/1	/
- 7				4	
- (		BOR		KY	

Date

Sampled:

(DWS) #

Collected By: Name of Facility

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-24

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

ab.ca		
	Twp/Town	Simcoe Muskoka
14-07-24	Systems Health Unit	SMDHU
	Regulation	N/A
anga Cantar	Total # of pages sent	1
nago Sector	# of samples sent	1
Please See Below	# of samples	

Final Certificate of Chemical Analysis of Wat	er
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			i mai continuato en emembra i manyele en trater
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved: Tech:
2014-07-24 11:40	19.1	AB	2014-07-24 12:15 AV

Report To:	Trent	Severn Waterway	Kirkfield Sector	ATTN: Chuck V	Vilkinson
Address:	2023 k	Kirkfield Road Kirk	ield, ON. K0M 2B0	)	
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: cl	nuck.wilkinson@po	c.gc.ca; leigh.trethe	wey@pc.gc.ca	
"Live Person	n" After	Hours Contact Name	and Tel No: (	Chuck Wilkinson	705-887-8390

Submitted By:

Conditions/ Comments

Time	me Sample LL VIII CONTROL OF CONT		Water	Temp. Of	Laboratory		Lead	Turbidity	А	lkalinity	рН	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	Number	>/< µg/L		NTU	>/<	mg/L as CaCO₃	(at 25°C)	
			_									
		Washago Shop										
11:05		3321 Bond St.	D		L-59		1.11					
								alth and Long Term				

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D Point of Entry = E

Raw = R

N/R = Not Received N/A = Not Applicable Raw Water Comsumed = RWC

Lead Analysis Date & Time:_	2014-07-31 15:00	Analyzed By:	JT Audited By:	AD	_Methodology: AA μg/L		
Turbidity Analysis Date & Time:		Analyzed By:	Audited By:		_Methodology: Nephelometric NTU		
Total Alkalinity Analysis Date & Time:		Analyzed By:	Audited By:		_ Methodology: Digital Titration mg/L as CaC	O <sub>3</sub>	
pH Analysis Date & Time:		Analyzed By:	Audited By:		Methodology: Electrometric pH		
Transcribed By:	AC Aut	horized & Rechecked B	sy: TJ/JT		Copy Released By:		HM/TJ/CAB
Lab No.	Submitting Agency (	@	Health Unit @	:	Spills Action Centre (SAC) @	AWQI#	Bv:

Test Methodology and Detection Limit Lead COAL AA **Detection Limit** 1.00 µg/L Reportable Limit:  $10.0 \mu g/L$ Methodology: Graphite Furnace Atomic Absorption рΗ COAL pH 4 - 10 Reportable Limit: **Detection Limit** N/A Methodology: Electrometric Total Alkalinity COAL Alk 10 - 4000 Reportable Limit: N/A Digital Titrator Detection Limit Methodology: COAL T Reportable Limit: Turbidity Detection Limit 0.10 - 40.0 N/A Methodology: Nephelometric Turbidity Approved for use PALTI prior Detection Limit 0.10 - 40.0 Reportable Limit: N/A Methodology: Nephelometric

Final Chemical Certificate, PITA 297, 1311, Revision 1.5

Page 1 of 1

Date:

	П	4		6	
1	1	C		1/	2
			7		
1	1	_		1	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			Final Certificate of Nitrate and Nitrite Analysis of Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	
2014-08-19 14:10	21.0	LJ	

E-100111110111						
Date		Twp/Town		<u>_</u>		
Sampled:	2014-08-19	Systems	OMBUUL	Report To: Trent Severn Waterway ATTN: Chuc	k Wilkinson	
		Health Unit	SMDHU			
O all and a d D	Ctarlina C	Daniel d'au	NI/A	Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfiel	ld, ON K0M 2B0	
Collected By:	Sterling S.	Regulation	N/A			
Name of		Total # of	4	Telephone: 705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Facility	Washago Sector	pages sent	1			
1 dollity	Wadhage Code	# of samples	•	Email Address: chuck.wilkinson@pc.gc.ca; kim.ma	rshall@pc.gc.ca	; nicole.hamilton@pc.gca.ca
<b>Drinking Water S</b>	ystem	sent	6			<u> </u>
(DWS) #		# of samples	0	"Live Person" After Hours Contact Name and Tel. No:	Chuck Wilk	inson 705-887-8390
		received	6			
		Conditions/				

Comments Submitted By: Sterling S.

Time	Sample	•	Water	Temp. Of		Treat	tment Inforn	1	Laboratory	1	Nitrate as N		Nitrite as N	Nitr	ate + Nitrite as N	
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free CI <sub>2</sub> (mg/L)	Number	>/<	mg/L	>/<	mg/L	>/<	mg/L	
09:00		Lock 42 2597 Bonsor Rd							SFA-302	<	0.010	<	0.010	<	0.010	
09:25		Bridge 57 1641 Penninsula Pt. Rd							SFA-303	<	0.010	<	0.010	<	0.010	
10:55		Lock 43 19SR409 Unit 1							SFA-304		0.035	<	0.010		0.035	
12:50		Lock 44 7001 Upper Big Chute Rd							SFA-305		0.036	<	0.010		0.036	
12:17		Lock 45 175 Port Severn Rd N							SFA-306		0.041	<	0.010		0.041	
08:46		Washago Shop 3321 Bond St							SFA-307		0.037	<	0.010		0.037	

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Reportable Limit:

For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received

0.010 mg/L

N/A = Not Applicable

Raw = R Distribution = D

Point of Entry = E

Raw Water Comsumed = RWC

	Analysis Date	& Time: 2014-08	3-21 15:30	Analyzed By: AV Audi	ted By:	AD Me	thodology: SFA mo	g/L			
Trai	nscribed By: <u>CA</u>	В		Authorized & Rechecked By: _	TJ/JT		Copy Relea	ased By: AD/AB/h	HM/CAB		
	Lab No:	Parame	ter:	Submitting Agency @	H.	U. @	SAC @	AWQI#	Ву:	Date:	
Test Methodology Nitrate	y (SFA) and Detection L COAL N	im Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L	Methodology:	Automated Colour	metric Determination of	Nitrate as N is wa	ater samples (modified EPA	353.2)
Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	1.0 mg/L	Methodology:	Automated Colours	metric Determination of	Nitrite as N is wat	ter samples (modified EPA3	53.2)

10.0 mg/L Methodology:

Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2)

COAL N

Detection Limit

Nitrate + Nitrite

-		
		1900
	C	172
LA	BORATO	RY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

		Final	<b>Certificate of Microbiolog</b>	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-06-03 15:30
2014-06-03 14:55	18.6	AB	HPC & FS Date & Time	

LABORATORY	www.coalab.ca			2011 00 00 1 1100 1010 112	Incubated:						
Date Sampled:	2014-06-03	Twp/Town Systems Health Unit	SMDHU	Report To: Trent Severn Waterway Kirkfield S	ector ATTN: Ch	nuck Wilkinson					
Collected By:	Chuck Wilkinson	Regulation	318/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0	M 2B0						
Name of	Week and Contain	Total # of pages sent	1	Telephone: 705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email					
	Facility Washago Sector  Drinking Water System		6	Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca							
(DWS) #	Please See Below	# of samples received	6	"Live Person" After Hours Contact Name and Tel. No:	Chuck Wilk	inson 705-887-8390					
Submitted By:	Chuck Wilkinson	Conditions/ Comments									

		<u> </u>			1	Tue 04			Т.	otal Coliform		E. coli	a alcanación d		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Temp. Of Sample (°C/°F)		Other	ment Inforr Total Cl <sub>2</sub> (mg/L)	 Laboratory Number			>/<		CFU/100 ml	>/<		
		Lock 42														
01:55		2597 Bonsor Rd.	D					009301		0		0	0			
		Lock 43														
12:30		19 SR 409 Unit 1	D					009303		0		0	0			
		Lock 44														
11:30		7001 Upper Big Chute Rd.	D					009304		0		0	0			
		Lock 45														
10:25		175 Port Severn Rd. N.	D					009305		0		0	0			

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10 - 2.00 x 10<sup>3</sup> Indicates Deterioration:

Reportable Limit:

0 - 80

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

F.S. & Faecal Strep. = Faecal	Streptococcus	HPC = Heterotrophic F	Plate Count HPM	= Heavy Particulate Ma	atter	N/R = Not Received	F.S. and HPC require 48 hours of	of incubation	Raw Water Comsumed = RWC
Analysis Date & Ti	me: 2	014-06-04 14:00	Enumerat	ed By: GD	Audited By: Al	Methodology: M/F CFU/100ml			
Analysis Date & Ti	me:		Enumerat	ed By:	Audited By:	HPC Methodology: SP CFU/1ml	; FS Methodology: M/F CFU/100ml		
Transcribed	Ву: НМ		А	uthorized & Rech	ecked By: TJ/JT	Copy Released	By: AB, AV, CAB		<u> </u>
	Lab No.	Submitt	ing Agency @		Health Unit @	Spills Action Centre (SAC) @	@ AWQI#	Ву:	Date:
Test Methodology and De	tection Limit								
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 mI		
Total Coliform (Untreated	) COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 mI		
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 mI		
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterior	ration: >200	Performed by Membrane Filtration	M/F CFU/100 mI		
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterior	ration: >200	Performed by Membrane Filtration	M/F CFU/100 mI		
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterior	ration: >500	Performed by Spread Plate	SP CFU/1 ml		

Performed by Spread Plate

Performed by Membrane Filtration

M/F CFU/100 ml

COAL FS Detection Limit

Faecal Streptococcus

LABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of

(DWS) #

Facility

4260 Burnside Line, R.R. #4 Orillia. ON L3V 6H4

2014-06-03

Chuck Wilkinson

Washago Sector

Please See Below

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	SMDHU
	Regulation	N/A
	Total # of pages sent	1
_	# of samples sent	6
	# of samples	G

Final Certificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-06-03 15:30
2014-06-03 14:55	18.6	AB	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn Waterway Kirkfield S	Sector ATTN: C	huck Wilkinson					
Address:	2023 Kirkfield Road Kirkfield, ON. KO	M 2B0						
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email					
Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca								
Email Addr	ess: chuck.wilkinson@pc.gc.ca; leigh	.trethewey@pc.g	gc.ca; nicole.hamilton@pc.gc.ca					

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/ Comments

				Temp. Of	Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site		Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/< CFU/100 ml		>/<	/< CFU/100 ml >/		CFU/1 ml	
		Bridge 57															
01:40		1641 Peninsula Pt. Rd.	D					009302		0		0		0			
02:30		3321 Bond St.	D					009306		0		0		0			
																·	
		sidered DISTRIBUTION cample															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 80 M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

Lab No. 011829 Submitting Agency @

Detection Limit

Detection Limit

Detection Limit

COAL Endo Detection Limit

COAL HPC Detection Limit

0 - 80

0 - 80

0 - 60

0 - 200

0 - 200

10 - 2.00 x 10<sup>3</sup>

Test Methodology and Detection Limit

Total Coliform (Untreated) COAL DC

E. coli

HPC

Background

Background

Total Coliform (Treated) COAL Endo Detection Limit

COAL DC

COAL DC

www.coalab.ca

			_					,											
Date	Date			o/Town	Kawarth	na La	akes												
Sampled:		2014-07-03	,	stems alth Unit	SMI	DHU	ı	Rep	ort To: Tr	ent Severn Wa	aterw	ay Kirkfield	Sec	tor ATTN:	Chuc	k Wilkinsor	<u>1</u>		
Collected By:		Chuck Wilkinson	Rec	gulation	318	3/08		Add	ress: 20	23 Kirkfield Ro	ad Ki	rkfield, ON. k	MO	2B0					
Name of			То	tal # of				Tele	phone: 7	705 438-3153				Ext:		Fax: 705	-438-	5201 + Scar	& Email
Facility	١	Washago Sector		ges sent samples	•	2		Ems	il Δddross:	chuck wilking	son@	nc ac ca: leid	ah tre	ethewey@nc	ac c	a: nicole ham	nilton	@nc ac ca	
Drinking Wa	ter System			sent	(	6			Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390										
(DWS) #		Please See Below		samples ceived	(	6		"Live	Person" /	After Hours Conta	act Na	me and Tel. No	0:	Chuck Wi	ikins	on 705-887-8	3390		
Submitted By	<i>r</i> :	Ellie Wright		onditions/ omments															
	_				Temp. Of		Treatr	nent Infor	mation		To	otal Coliform		E. coli	E	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42																	
10:20		2597 Bonsor Rd.		D						011827		0		0		0			
Lock 43																			
12:05	12:05 19 SR 409 Unit 1 D									011828		0		0		0			
		Lock 44													,		_		
02:10		7001 Upper Big Chute F	₹d.	D						011829		0		0	>	200			
		Lock 45													⊢				
03:20		175 Port Severn Rd. N	l.	D						011830		0		0		0			
All times are Analysis perfo	transcribe rmed by qualit	sidered DISTRIBUTION samp d in the 24-hour clock for up fied analysts. Results relate only physical parameters: pH, turbidity,	load to the	to the Min aliquot subr	istry of the	e Env	/ironm	•		-		•	•	•	specif	ic microbiologic	al para	meters and	Raw = R
COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quarker collection and handling procedures visit www.coalab.ca/watersamples.html						•	ty, this is th	e responsib	•		ncy.							Distribution = D Point of Entry = E	
F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter								N/R = Not Received				F.S. and HPC	require	48 hours of incuba	tion	Raw Water	Comsumed = RWC		
Analysis Date & Time: 2014-07-05 10:00 Enumerated By: LC Audit					_		Methodology: N	√F CI	-U/100ml										
Analysis	Date & Time	9:		Enumerate	ed By:		Auc	dited By:	d By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml										
Transcribed By: AC				A	uthorized &	Rec	hecked	By: T	/JT	Copy Released By: AV/LC/HM/AB									

courtesy notice Health Unit @

1

>200

>200

>500

Reportable Limit:

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Final Certificate, PITA 102, 1311, Revision 1.3

Approved for use by TJ prior to use.

Performed by Membrane Filtration

Performed by Spread Plate

Spills Action Centre (SAC) @

AWQI#

M/F CFU/100 ml

SP CFU/1 ml

By: LC Date: 2014-07-05

LABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-03

Chuck Wilkinson

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	SMDHU
_	Regulation	N/A
	Total # of pages sent	2
_	# of samples sent	6
_	# of samples received	6

Final Certificate of Microbiological Analysis of Drinking Water

		a.	COLUMN OF THE COLUMN OF	ground and gold of Diffiniting Tractor
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-04 11:00
2014-07-04 09:10	7.8	AB	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn Waterway Kirkfield	d Sector ATTN: Chu	uck Wilkinson						
Address:	2023 Kirkfield Road Kirkfield, ON.	K0M 2B0							
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email						
Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca									
	all Affanillarias Control Name and Tal N	Chuals Willsin	202 705 007 0200						

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

Conditions/ Comments

				Temp. Of	Treati	ment Inforn	nation		To	tal Coliform		E. coli	Background  I >/< CFU/100 ml			HPC	
Time Sampled	Sample Identifier	Identification of Collection Si		Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml			>/<	CFU/1 ml	
		Bridge 57															
11:00		1641 Peninsula Pt. Rd.	D					011831		0		0		4			
		Washago Shop															
09:50		3321 Bond St.	D					011832		0		0		0			
																·	
		sidered DISTRIBUTION samp															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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Distribution = D
Point of Entry = E

Raw = R

F.S. & Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 80 M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: M/F CFU/100 ml SP CFU/1 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

1 3
LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-07-16 16:00 (°C): HPC & FS Date & Time 2014-07-16 14:51 16.9 MH Incubated:

ATTN: Chuck Wilkinson

Date Sampled:	2014-07-16	Twp/Town Systems Health Unit	SMDHU	Report To: Trent Severn Waterway Kirkfield Secto
Collected By:	K. Marshall	Regulation	318/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B
Name of	Washara Castar	Total # of pages sent	2	Telephone: 705 438-3153
Facility  Drinking Water Sy	Washago Sector	# of samples sent	6	Email Address: chuck.wilkinson@pc.gc.ca; kim.marsh
(DWS) #	Please See Below	# of samples received	6	"Live Person" After Hours Contact Name and Tel. No:

Fax: 705-438-5201 + Scan & Email Ext: nall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Chuck Wilkinson 705-887-8390

Conditions/ Submitted By: K. Marshall Comments

		<u>L</u>																
	_	1		Temp. Of		Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 mI	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42																
08:25		2597 Bonsor Rd.	D						013030		0		0		0			
10:40		19 SR 409 Unit 1	D						013031		0		0		0			
		Lock 44																
12:35		7001 Upper Big Chute Rd.	D						013032		0		0		0			
																	·	
	Lock 45																	
01:40		175 Port Severn Rd. N.	D						013033		0		0		0			
		idental DIOTRIBUTION																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time:	2014-07-17	7 14:30 Enumerat	ed By: LC	Audited By:	AK	Methodology: M/F CFU/100ml				
Analysis Date & Time:		Enumerat	ed By:	Audited By:		HPC Methodology: SP CFU/1ml; FS Meth	odology: M/F CFU/100n	nl		
Transcribed By:	AC	Α	uthorized & Re	checked By:TJ	/JT	Copy Released By: LJ/	AB			
Lab No	)	Submitting Agency @		Health Unit	. @	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	
et Mathadalagy and Dataction	Limit									

rest Methodology and De	etection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated	) COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

LABORATORY

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-07-16

K. Marshall

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<del>10.00</del>		
	Twp/Town	Kawartha Lakes
4-07-16	Systems Health Unit	SMDHU
. Marshall	Regulation	N/A
aga Castor	Total # of pages sent	2
nago Sector	# of samples sent	6
Please See Below	# of samples received	6

Final Certificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-16 16:00
2014-07-16 14:51	16.9	МН	HPC & FS Date & Time Incubated:	

	Report To:	Trent	Severn Watery	way Kirkfield Secto	or ATTN:	Chuck Wilkinson
1	Address:	2023 k	Kirkfield Road K	irkfield, ON. K0M 2E	30	
1	Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
	Email Addre	ss: ch	huck.wilkinson@	pc.gc.ca; kim.marsl	hall@pc.g	gc.ca; nicole.hamilton@pc.gc.ca
1				1711	Ob1. VA	(Illian and 705, 007, 0000

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

K. Marshall Submitted By:

Conditions/ Comments

				Temp. Of		Treatment Info		nation		To	otal Coliform		E. coli	В	ackground	HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57																
08:45		1641 Peninsula Pt. Rd.	D						013028		0		0		0			
		Washago Shop																
07:45		3321 Bond St.	D						013029		0		0		0			
		idental DIOTRIBUTIONI																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

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COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

Point of Entry = E For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml Analysis Date & Time: 2014-07-17 14:30 Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB/LJ/CAB/HM Health Unit @ Lab No. Submitting Agency @ Spills Action Centre (SAC) @ AWQI# Date:

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 80 M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: SP CFU/1 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

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	LABORATORY

4260 Burnside Line, R.R. #4
Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-9316

		FIIIai	Certificate of wilcrobiolog	ical Alialysis of Dilliking Wate
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-31 14:00
2014 07 21 12:52	10.0	ML	HPC & FS Date & Time	

LABORATORY		coalab.ca	., 320-	3310				2	2014-07-3	31 12:53	19	.8 M	Н	HPC & FS Incubated:	Date 8	& Time			
Date Sampled:		2014-07-31	Twp/T Syste	ems	SMI	DHU		Repo	ort To: <b>Tr</b>	ent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: C	huc	k Wilkinson	ı		
Collected By:		Chuck Wilkinson	Regul			318/08		Addr	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0										
Name of		CHOOK WIIKINSON	Total	# of	2		Tele	ohone: 7	705 438-3153				Ext:		Fax: 705	-438-	5201 + Scan	& Email	
Facility		Washago Sector	# of sai	mples				Ema	il Address:	chuck.wilkins	on@	pc.gc.ca; kim	ı.maı	rshall@pc.gc	.ca; ı	nicole.hamilto	on@p	oc.gc.ca	
Drinking Wa (DWS) #	iter System	Please See Below	# of sai	mples		4 4		"Live	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390										
Submitted By	<i>/</i> :	Chuck Wilkinson		ditions/ nments															
Time Sample			Water	Temp. Of		Treat	ment Inforr	nation	Loboroton	To	tal Coliform		E. coli	В	ackground		HPC		
Sampled	' Identification of Collection	Sito I	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml		
		Lock 42																	
09:45		2597 Bonsor Rd.		D						014213		0		0		0			
		Lock 43																	
11:15		19 SR 409 Unit 1		D						014214		0		0		0			
	T		-																
All samples	will be con	 sidered DISTRIBUTION samp	oles uni	less othe	rwise ind	icate	d.												
All times are Analysis perfor the following in	e transcribe rmed by quali norganic and	d in the 24-hour clock for up fied analysts. Results relate only physical parameters: pH, turbidity, illity for parameters selected, misic	load to to the ali , and alka	the Mini iquot subn alinity.	istry of the nitted. Sam	e Env	ironn ave be	een analyze	d as receive	ed. COAL is accredi	ited by	SCC and licens	•	•	pecifi	c microbiologica	al para	meters and	Raw = R Distribution = D

For collection and handling procedures visit www.coalab.ca/watersamples.html

Transcribed By: AC

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time:	2014-08-01 12:30	Enumerated By: LC	Audited By:	: AD	Methodology: M/F CFU/100ml
Analysis Date & Time:		Enumerated By:	Audited By:	:	HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Authorized & Rechecked By: TJ/JT Copy Released By: HM/AD/LC

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_ AWQI # \_\_\_\_ By: \_\_\_ Date: \_\_\_\_

			_				
Test Methodology and D	etection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Total Coliform (Untreated	d) COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m

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LABORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiolog	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-07-31 14:00
2014-07-31 12:53	19.8	MH	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	4
Drinking Water S	ystem	sent	4
Facility	Washago Sector	# of samples	
Name of		Total # of pages sent	2
Collected By:	Chuck Wilkinson	Regulation	N/A
Sampled:	2014-07-31	Systems Health Unit	SMDHU
Date		Twp/Town	Kawartha Lakes

Report To:	Trent	Severn V	Vaterway Kirkfield Sect	or ATTN: (	Chuck Wilkinson
Address:	2023	Kirkfield R	oad Kirkfield, ON. K0M 2	В0	
Telephone:	705	438-315	53	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: C	huck.wilki	nson@pc.gc.ca; kim.mars	shall@pc.go	c.ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After	Hours Con	tact Name and Tel. No:	Chuck Wi	lkinson 705-887-8390

Chuck Wilkinson Submitted By:

Conditions/ Comments

		<u> </u>																
				Temp. Of		Treat	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site		Sample (°C/°F)		Other		Free Cl. Laboratory	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml			
		Bridge 57																
09:20		1641 Peninsula Pt. Rd.	D						014215		0		0		0			
		Washago Shop																
08:55		3321 Bond St.	D						014216		0		0		0			
All samples	will he cons	sidered DISTRIBUTION sample	e unless othe	rwise ind	icate	d												

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter Point of Entry = E

N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC Enumerated By: LC Audited By: AD Methodology: M/F CFU/100ml Analysis Date & Time: 2014-08-01 12:30 Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/AD/LC Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI#

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 60 E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml >500 COAL HPC Detection Limit Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

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	LABORATORY

4260 Burnside Line, R.R. #4
Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-9316

		rınaı	Certificate of Microbiologi	cal Analysis of Drinking wate
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-14 14:30
2014-08-14 14:04	20.5	MH	HPC & FS Date & Time	
			Incubated:	

LABORATORY	www.coalab.ca			2014-08-14 14:04 20.5	Incubated:	
Date Sampled:	2014-08-14	Twp/Town Systems Health Unit	SMDHU	Report To: Trent Severn Waterway Kirk	field Sector ATTN: Ch	uck Wilkinson
Collected By:	K. Marshall	Regulation	318/08	Address: 2023 Kirkfield Road Kirkfield, C	ON. K0M 2B0	
Name of		Total # of pages sent	2	Telephone: 705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Facility	Washago Sector	# of samples	_	Email Address: chuck.wilkinson@pc.gc.ca	a; kim.marshall@pc.gc.c	a; nicole.hamilton@pc.gc.ca
<b>Drinking Water S</b>	•	sent	5			
(DWS) #	Please See Below	# of samples received	5	"Live Person" After Hours Contact Name and T	el. No: Chuck Wilki	nson 705-887-8390
Submitted By:	K. Marshall	Conditions/ Comments				

				Temp Of	Treati	ment Inforn	nation		То	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	' Identification of Collection 9	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	>/<	>/< CFU/100 mI	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42															
08:50		2597 Bonsor Rd.	D					015327		0		0		0			
		Lock 43															
10:20		19 SR 409 Unit 1	D					015328		0		0		0			
		Lock 44															
12:25		7001 Upper Big Chute Rd.	D					015329		0		0		0			
		Lock 45															
01:10		175 Port Severn Rd. N.	D					015330		0		0		0			

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Distribution = D

Raw = R

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation

Point of Entry = E lation Raw Water Comsumed = RWC

Analysis Date & Time:	2014-08-1	Enumerated By:	LC	Audited By: AV		Methodology: M/F CFU/T00mi				
Analysis Date & Time:		Enumerated By:		Audited By:		HPC Methodology: SP CFU/1ml; FS Methodology	hodology: M/F CFU/100m	ıl		
Transcribed By:	AC	Authori	zed & Rech	necked By: TJ/JT	_	Copy Released By: AB	3			
Lab N	No	Submitting Agency @		Health Unit @		Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	

Test Methodology and D	etection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated	d) COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiologi	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-14 14:30
2014-08-14 14:04	20.5	МН	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	5
Drinking Water Sy	ystem	sent	5
Facility	Washago Sector	# of samples	
Name of		Total # of pages sent	2
Collected By:	K. Marshall	Regulation	N/A
Sampled:	2014-08-14	Systems Health Unit	SMDHU
Date		Twp/Town	Kawartha Lakes

Report To:	Trent	Severn Waterw	ay Kirkfield Sector	ATTN: C	Chuck Wilkinson				
Address:	2023	Kirkfield Road Kir	kfield, ON. K0M 2B0	)					
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email				
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca									
"Live Perso	n" Afte	r Hours Contact Nar	ne and Tel. No:	Chuck Wil	kinson 705-887-8390				

Conditions/ K. Marshall Submitted By: Comments

Treatment Information Total Coliform E. coli Background **HPC** Temp. Of Water Sample Laboratory Identification of Collection Site Sample Total Cl<sub>2</sub> Free Cl<sub>2</sub> U.V. Sampled Identifier Type Number >/< CFU/100 ml >/< CFU/100 ml >/< CFU/100 ml >/< CFU/1 ml (°C/°F) (mg/L) (mg/L) Bridge 57 1641 Peninsula Pt. Rd. D 015331 09:10 0 0 0

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Analysis Date & Time: 2014-08-15 13:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB

Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_ AWQI # \_ By: Date: Lab No.

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: 1 1 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 60 E. coli Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Spread Plate COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use. Page 1 of 1 Trunscribed

Transcription Ventert By:

Authorized By:

В

08/29/2014 14:28 FAX 7053268208

adverse fax

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-09- 0 3 2014	By: Duto:	SAC ® AWQ#	NU.S	Scholiffe fermings on passodist
Pagetot_	Mathodology (COAL HPC): SP CFUITM!; Relindology (COAL FS): INF CFUINDIMI	Mathodology (COAL HPC): SP CFUII		Edunation Subscribe Asses
SEP 0 3 2014	); NAF CFU1100ml	Malihodology (CCIAL Enda - COAL DC); MF CFU100m	Enimetallish By: Audited By: H	Analysis Dato & Timo: SEP 0. 3 2014 16:00
FAXED			S	E ONLY / LABORATORY COMMENT
specific Pro-Fax	must be unsigned within 44 flours of collection. Analysis polytmod by quaritud sindysis. Aquals riskin only to this discussion by the analysis control only to the discussion by the analysis of the discussion of the discussion of the analysis of the analy	Casulardilida i Simplea i Peru servicus i Irrigio Hacio II Alec Casulardilida i Simplea i Peru Servicus i Irrigio agricolistici co responțibility for parameters servicus, muldovateojo for putationin parameters. ESIA Fascal Sirep. «Fuorat	y Quasinud enjalyats. Ropults relain only to their kousendors, pik (includer, and o hostigy, COAL accepts this calvider, coad any to the calvider of the calvi	must be unalyzed within \$4 nours of collection. Analysis portormed by quashind microbookspale pearealisms and the following abequates and physical pearealisms, and the following analysis and the processors of the submitting appear. For collections and handledge procedures wisk www.coustocatwist. Particulate Hailly, Mitt. is Not Recented. Fit and this converse as he was already to poole too.
Only	Resamples Only	Most Recent Adverse Lab Number:  All samples will be confidered DISTRIBUTION samples unless otherwise indicated. Simplific Presentions: Tentury to was a simple control of the confidered DISTRIBUTION samples unless otherwise indicated.	eas etherwise indicated. Simpling Presento	Most Recent Adverse Lab Number: All samples will be considered DISTRIBUTION samples unit
119/08	Keg. 318/08; 319/08			Most Recent Analyzing Laboratory:
Quality	Adverse water quality			Most Recent Adverse Sample Location:
County Education Security	Devores Mistor Strain Strains			Most Recent Adverse Sample Date:
	AWOI Number Indicator Advance Water		The state of the s	Most Recent AWG! Number:
LY .	O O O O O O O O O	-		# 10043561 84×30
CEUTA 445 CEUTION	CFUNDOR CFUNDORS CHUMOIN	9 7	170/03 318/08 319/08	(Elyonn of Entry - Consumed (Fews) Irea Walar - Consumed washout Trauman
HPC Strep.	-		(Please check one) Sample	letter offissiscation, (D) Distribution - Consumed (fi) Hew - Bofore Treatment & Not Consumed
4	6 24	Trestinent information - Additional   Additional	Requires Holistosian Tomp. of	Sampling Location  Describe location ANO indicate an apposite
				JAK.
,000			Comments/	em Watson
7-5 227	circontante apprison	Wet Hours Contact Name and		Assigned By MOEZNOH, TC)
-438-5201	Fex		es aumphas ford	
d est.	0	2023 Kirk	J of samples sent	
	Ky Worker au	4, 200	Total a of pages	com Watson
	23.0°C Incubated:	)	D. C.	0 7 7 0 7
	HPC & FS	SEP 0 7 2018	Towns of the	www.coolab.co
SEP 0 2 2014  7:30	42 Trust Incident SEP 0 2	RECEIVED 15	6-9316	4260 Burnsida Line, R.R. #4 Orilia, ON L3V 6H4 Telt (705) 326-8285 Faxt (705) 326-9316
alysis of Drinking Water Only	Primary Report of Microbiological Analysis of Drinking Water Only	hain of Custody	LABORATORY INC.	ONTARIO ANALYTICAL LABORATORY INC.

For certain to steed without approval of COAL 18 Site Drinking Wait Ad (SAMA 200), O. Reg. 17003, and O. Reg. 31806, 31806 (Drinking to steed mode) in the steed of steed and st

Customer

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CENTED ONTARIO ANALYTICAL LABORATORY INC	ONI VAOTARO	Chain of Custody		mary Report of Microbic	Primary Report of Microbiological Analysis of Drinking Water Only
V 6	ō	RECEIVED	FIGEIVED 16.15 my	Date & Time Incubated	SEP 0 3 2014 16:30
2   0   1   4   0   4   0   3	Township/Town	0	3 2014 23	Date & Time Incubated:	
By: Action With son	Systems Health Unit	Report To Trent	sever mat	poway Washing	Socker fith Chuck Proses
	sent	Address: 2023	Lickfield fort	XX told on	0
	this page	Telephone: 70.3	4383153	Ext: Fax	x /25 7 8 3261
	this page	Email Address:	ch. 2.18,1000 p	Carper Ca	
(As Assigned By MOE/MOHLTC)		"Live Person" After Hou	"Live Person" After Hours Contact Name and Tel. No.	COCK I WIT	2 162 .887.834C
Acies water	Comments/				
Signature the State	Side City				
	Requires Notification as per SDWA 2002. Temp. of	Treatment Information - Indicate Type/Chlorine Levels	Additional Parameter	Total E coli	Background HPC Faecal Strep
Samp Identif	Sample (Indicate of or °C)	Operational/Field Chlorine Total Free	Check if Laboratory Number	CFU/100 ml CFU/100 ml	CFU/100 ml CFU/1 ml CFU/100
Clock)	31	mg/L mg/L	FS	THIS AREA IS FOR LABORATORY USE ONLY	ATORY USE ONLY
1030 100 K //zhan L43		+	Q: Ann	0	G
Most Recent AWQI Number:				AWOI Number Indicates	AWOI Number Indicates Adverse Water Quality Incident Number
Most Recent Adverse Sample Date:				Adverse	Adverse Water Quality
Most Recent Adverse Sample Location:				Ren 3	Red 318/08: 319/08
Most Recent Analyzing Laboratory:				Pasa	mnles Only
Most Recent Adverse Lab Number:  All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours an must be analyzed within 48 hours of collection. Analysis performed by qualified analysis. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and ideansed by MCE in these specific microbiological parameters and the following inorganice and physical parameters: pri, furbolity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of submitting agency. For collection and handling procedures visit www.coalab.cawatersamples.html. Separate bottle required for additional parameters. FS & Faecal Strept = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Access to the count HPM = Access to t	otherwise indicated. Sampling laiffed analysts. Results relate only I dars pH, urbidity, and alkalinity. CO- calvatersamples.html. Separate bot bation	Precautions: Transport water sar o the aliquot submitted. Samples ha st, accepts no responsibility for para tle required for additional parameter	mples under refrigeration to laboratory ave been analyzed as received. COA immeters selected, misidentification of significant of the Faecal Strep.	The samples require analysis ideally within 30 hours and L is accredited by SCC and licensed by MCE in these specific annotes or incorrect quantity, this is the responsibility of the cooccus HPC = Heterotrophic Plate Count HPM = Heavy occoccus HPC = Heterotrophic Plate Count HPM = Heavy occoccus	uire analysis ideally within 30 hours and CC and licensed by MOE in these specific quantity, this is the responsibility of the quantity, this is the responsibility of the Check By Stephenson (Check
FOR LABORATORY USE ONLY / LABORATORY COMMENTS  SEP 0 4 2014   \$.00  Enumerated By	ed By Audited By	~	Methodology (COAL Endo - COAL DC): M	DC): MJF CFU/100ml	1-150
Analysis Date & Time Enumerated By	ed By: Audited By		Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS); M/F CFU/100ml	Methodology (COAL FS): M/F	SEP 0 4 2014
Lab NoReported to Submitting Agency @	@ нл.@	SAC @	AWQI#	By: Date:	te l ul
Transcribed Transcription By: Verified By:	Report Authorized By	Email/Mail Customer	Email H.U.:	MCE/MOHLTC	Invoiced
Form cannot be alleted without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MCHMCHMOHMaterworks for O. Reg 318/08, 319/08. Failwo person" must work of the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETION OF INFORMATION. Results will be sent by fax to the event that notification is required. THIS FORM MUST BE COMPLETION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY PORT AN ADMINISTRATES FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unimited number of addressee(s) inclusive in the standard order. After hours phone number for adverse resumple emergences, 105-232-2828 (Sucharge to after hours samples)	(SDWA 2002), O Reg 170/03 and O F do so is an offence under the Act. Hear FILLED OUT OR THE LABORATORY on unlimited number of addresses as to the control of	Reg 170/03 and O. Reg 316/05 319/08 (please see www.ene.gov.on.eurober ite Act. Health Unit telephone and fax numbers are indicated THE LABORATORY MAY PEFUSE RECEIPT OF THE SAMPLE(S) of addressed to a control of the sample (S).	ene gov on ca for more information) receive indicated on adverse paperwork. It is tamPLE(S) OR MAY APPLY AN ADMINIT	uires that notification of exceedance necessary that the above inform STRATIVE CHARGE FOR COMPLIANCE TO STATE AND A SHIPM	requires that notification of exceedances must be reported to MOEMOHWateworks for O. Reg it is necessary that the above information is complete. A "live person" must be available in NISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to plue emersonces 705-373-3828 (Surcharge for after hours samples)

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	LABORATORY

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Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-9316
www.coalab.ca

		Finai	Certificate of Microbiologic	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-10 15:00
2014-09-10 14:05	22.4	LJ	HPC & FS Date & Time Incubated:	

Facility Washago Sector # of samples sent 7    Drinking Water System   Please See Below   # of samples   # of s	Email Addre
Facility Washago Sector	Francii Antalua
Name of Total # of pages sent 3	Telephone:
Collected By: Chuck Wilkinson Regulation 318/08	Address:
Date         Twp/Town           Sampled:         2014-09-10           Health Unit         SMDHU	Report To:

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson Comments

Conditions/
Comments

				Temp. Of	Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
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01:00		2597 Bonsor Rd.	D					017533		0		0		0			
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10:05		7001 Upper Big Chute Rd.	D					017535		0		0		0			
		Lock 45															
09:40		175 Port Severn Rd. N.	D					017536		0		0		0			
		: I I DIOTRIDITION															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time:	2014-09-11 14:00	Enumerated By: GD	Audited By: LJ	Methodology: M/F CFU/100ml
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml
Transcribed By:	CAB	Authorized & Rech	ecked Bv: T.I/.IT	Conv Released By: L.I/AB/CAB/HM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_ By: \_\_\_\_ Date: \_\_\_\_

Test Methodology and De	tection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated	) COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration	: >200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration	: >200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration	: >500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	<b>Certificate of Microbiolog</b>	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-10 15:00
2014-09-10 14:05	22.4	LJ	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	7
Drinking Water S	ystem	sent	7
Facility	Washago Sector	pages sent # of samples	3
Name of		Total # of	0
Collected By:	Chuck Wilkinson	Regulation	N/A
Sampled:	2014-09-10	Systems Health Unit	SMDHU
Date		Twp/Town	Kawartha Lakes

Report To:	Trent	Severn W	/aterway Kirkfield Sect	or ATTN: (	Chuck Wilkinson
Address:	2023	Kirkfield R	oad Kirkfield, ON. K0M 2	В0	
Telephone:	705	438-315	3	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: C	huck.wilkii	nson@pc.gc.ca; kim.mars	shall@pc.go	c.ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After	· Hours Con	tact Name and Tel. No:	Chuck Wi	lkinson 705-887-8390

Chuck Wilkinson Submitted By:

Conditions/ Comments

				Temp. Of		Treati	ment Inforn	nation		Total Coliform			E. coli	Background			HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57																
12:40		1641 Peninsula Pt. Rd.	D						017537		0		0		0			
	Washago Shop																	
01:45		3321 Bond St.	D						017538		0		0		0			
All samples	will be con-	sidered DISTRIBUTION samples i	unlace othe	nwice ind	cato	4												

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml Analysis Date & Time: Analysis Date & Time:

Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/CAB/HM Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI#

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 60 E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use. Page 1 of 1

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A Pin
LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

		Final	Certificate of Microbiolog	jical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-13 13:00
2014-08-13 11:55	21.4	LJ	HPC & FS Date & Time Incubated:	

LABORATORY	www.coalab.ca			2014-08-13 11:55 21.4 LJ Incubated:
Date Sampled:	2014-08-13	Twp/Town Systems Health Unit	HKPRDHU	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
Collected By:	S. Schweitzer	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0
Name of	1616110	Total # of pages sent	2	Telephone: 705 438-3153
Facility Orinking Water	Kirkfield Sector	# of samples sent	3	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca
DWS) #	Please See Below	# of samples received	3	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390
Submitted By:	S. Schweitzer	Conditions/ Comments		

_		·		Temp. Of	L	Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground	HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Kirkfie																	
10:15		2023 Kirkfield Rd.	D						015197		0		0		0			
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10:56		92 Talbot Dr.	D						015198		0		0		0			
															·			
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		-i de la DIOTRIBUTION																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

1.0. a raccarotrep. = raccarotreptococca	THE O = TELEFOLIOPING THE	c count	atter	Terr = Not received	1.0. 414	The Ortequite 40 flours of incubation	raw water combanies - raw
Analysis Date & Time:	2014-08-14 12:00	Enumerated By: LC	Audited By: LJ	Methodology: M/F CFU/100ml			
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml;	FS Methodology:	M/F CFU/100ml	
Transcribed By:	AC	Authorized & Rech	necked By: TJ/JT	Copy Released B	By: LJ/AB		
Lab No.	Submitting	g Agency @	Health Unit @	Spills Action Centre (SAC) @		AWQI # By:	Date:
Test Methodology and Detection Lim	it						
Total Coliform (Treated) COAL End	lo Detection Limit 0	) - 80 Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Total Caliform (Untracted) COAL DC	Detection Limit 0	00 Banartabla Limit	. 1	Dorformed by Membrane Filtration	M/E CELI/100 ml		

Total Coliform (Untreated) COAL DC 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Detection Limit Performed by Membrane Filtration 0 - 60 Reportable Limit: M/F CFU/100 ml E. coli COAL DC Detection Limit Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Performed by Spread Plate SP CFU/1 ml HPC Indicates Deterioration: >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

1 3
LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

COAL DC

Faecal Streptococcus COAL FS Detection Limit Approved for use by TJ prior to use.

Detection Limit

COAL Endo Detection Limit

COAL DC Detection Limit

COAL HPC Detection Limit

E. coli

HPC

Background

Background

0 - 60

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

		ГШа	Certificate of Microbiologi	cai Alialysis of Dillikilly Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-13 13:00
2014-08-13 11:55	21.4	LJ	HPC & FS Date & Time	

LABORATORY	www.	coalab.ca							1	011001	0 11.00			-0	Incubated:					
Date				o/Town	Kawarth	na La	akes								•					
Sampled:		2014-08-13		stems Ith Unit	RM	DHD	)		Repor	t To: <b>Tre</b>	ent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinson	1		
Collected By:		S. Schweitzer	Red	ulation	N	l/A			Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0											
Name of			To	tal # of		2			Telepl	hone: 7	05 438-3153				Ext:		Fax: 705	-438-	5201 + Scan	& Email
Facility		Kirkfield Sector		es sent samples					Email	Address:	chuck.wilkins	on@	pc.gc.ca: kim	ı.ma	rshall@pc.gc	.ca:	nicole.hamilto	on@r	oc.gc.ca	
Drinking Wat	er System	Please See Below	_	sent samples		3		_   '									on 705-887-8			
(DWS) #		Please See Below		ceived		3			Live	Person A	fter Hours Contac	ct ivai	ne and Tel. INC	):	Chuck Wil	KIIIS	011 700-007-0	390		
Submitted By	:	S. Schweitzer		nditions/ omments																
T:	0			10/	Temp. Of		Treat	ment	Inform	ation	Labaratana	To	otal Coliform		E. coli	В	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	ite	Water Type	Sample (°C/°F)	U.V.	Other		I Cl <sub>2</sub> g/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
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Analysis perfor	med by quali	d in the 24-hour clock for up fied analysts. Results relate only t physical parameters: pH, turbidity,	o the	aliquot subi	-						-		-		•	specifi	ic microbiologica	al para	meters and	Raw = R
For collection a	nd handling <sub>l</sub>	oility for parameters selected, misic procedures visit www.coalab.ca/w	atersa	mples.html				ity, this	s is the	responsibi		g ager	ncy.							Distribution = D Point of Entry = E
		reptococcus HPC = Heterotrophic P			•						N/R = Not Received				F.S. and HPC	require	48 hours of incuba	ion	Raw Water C	Comsumed = RWC
		e: 2014-08-14 12:00																		
Analysis	Date & Time	e:		Enumerate	ed By:		Au	dited I	Ву:		HPC Methodolo	gy: S	P CFU/1ml; FS	S Met	hodology: M/F	CFU	/100ml			
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CFU/100 Check By 005 Faecal Strep. Ö Pre-Fax E Fax: 705-438-5201 + Scan & Email Page CFU/1 ml All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific 2014 HPC chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca microbiological parameters and the following inorganic and physical parameters; pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strept = Faecal Streptogoccus. HPC = Interpotrophic Plate Count. HPM = Heavy Particulate Matter NIR = Not Received FS and HPC require 48 hours of incubation. THIS AREA IS FOR LABORATORY USE ONLY S CFU/100 ml Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml Background Chuck Wilkinson 705-887-8390 C C Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson C C 3 Methodology (COAL Endo - COAL DC): M/F CFU/100ml CFU/100 ml CFU/100 ml Date & Time Incubated: HPC & FS Date & Time Incubated: E. coli Date: C 0 0 MOE/MOHLTC C Total Coliform C C C Initials of Receiver: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 By: State of the state Laboratory Number there's there's there's there's there's there's there's "Live Person" After Hours Contact Name and Tel. No: JUL 15 2011 (2:35 Date/Time/Temp. (°C) Received: Email AWQI# RECEIVED Check if Required FS 705 438-3153 Please НЬС Operational/Field Free mg/L Indicate Type/Chlorine Levels reatment Information Chlorine SAC @ Email Address: Total mg/L Email/Mail Telephone: Report To: Address: ONTA FOR LAB USE Other 3 Audited By: Audited By: H.U. @ °F or °C) (Indicate Temp. of Sample RMDHD 4 CENTRAL ONTARIO ANALYTICAL LABORATORY INC. Township/Town Reguires Notification as Α\N per SDWA 2002: (Please check one) 0 318/08; Enumerated By: OK this page # of samples r'cvd this page > > > > > Systems Health Unit Total # of pages > > # of samples sent Comments/ Conditions: Report sent Enumerated By: 170/03 Reported to Submitting Agency @ Tel: (705) 326-8285 Fax: (705) 326-9316 escribe the location AND indicate an appropriate letter FOR LABORATORY USE ONLY / LABORATORY COMMENTS 1 6 2014 1300 Please See Below 0> 0> 0> 0> 0> RWC) Raw Water - Consumed without Treatment 33235 Durham Rd. (D) 33245 Durham Rd. (D) 33245 Durham Rd. (D) (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed Gamebridge Lock 41 1419 Canal Rd. (D) Portage Lock 39 Waight Thorah Lock 40 Sampling Location Talbot Lock 38 4260 Burnside Line, R.R. #4 Kirkfield Sector Transcription Clie Carions (D) Distribution - Consumed Orillia, ON L3V 6H4 www.coalab.ca Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) Analysis Date & Time: JUL P1:0 Analysis Date & Time: Identifier Collected By: (Please Print) Submitted By: (Please Print) hour clock or use 24-hour AM/PM with 12-Signature: Signature: Transcribed 11:08 Name of

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Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-523-2828 (Surcharge for after hours samples) Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 17003 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08 (please see with that notification is MOHI TO/MOH/Waterworks for O. Reg 318/08 (altered to a cole an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is

Approved for use by TJ prior to use.

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Page 201 TO CFU/100 Faecal Strep. Pre-Fax 150 150 Fax: 705-438-5201 + Scan & Email UL CFU/1 mil must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strept. = Faecal Streptococcus HRC, Helenotrophic Plate Count HPM = Heavy Particulate Matter NIR = Not Received FS and HPC require 48 hours of incubation. Invoiced: and is a more and it is a considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples unles unless require analysis ideally within 30 hours and HPC 1 5 2014 chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca THIS AREA IS FOR LABORATORY USE ONLY CFU/100 ml Background Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml -07- 11 6 20KH Chuck Wilkinson 705-887-8390 C Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 0 Date & Time JUL Incubated: CFU/100 ml CFU/100 ml HPC & FS Date & Time Incubated: E. coli Date: 0 0 C 0 MOE/MOHLTC Upload: Methodology (COAL Endo - COAL DC): M/F CFU/100ml Coliform Total C C C C 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 By: Laboratory Number Table of the state Party of the state Land Land "Live Person" After Hours Contact Name and Tel. No: Email H.U.: AWQI# RECEIVED JUL 15 2014 Check if ES 705 438-3153 Please Required ЭДН Operational/Field Free mg/L Freatment Information -Indicate Type/Chlorine Levels Chlorine SAC @ Email Address: Email/Mail Customer: Telephone: Total mg/L Report To: Address: ОИГА FOR LAB USE Other 3 Audited By: Audited By: °F or °C) H.U. @ Temp. of Indicate Sample HKPRDHU 4 Fownship/Town Requires Notification as > > Α\N per SDWA 2002: (Please check one) Authorized By: 80/618 Enumerated By: alk sent # of samples sent this page > > > > > > # of samples r'cvd this page Comments/ Conditions: Total # of pages 318/08 Systems Health Unit Enumerated By: 170/03 Tel: (705) 326-8285 Fax: (705) 326-9316 Reported to Submitting Agency @ escribe the location AND indicate an appropriate letter FOR LABORATORY USE ONLY / LABORATORY COMMENTS Rosedale Lock 35 #835J66E47 Kirkfield Lock 36 #835J66E39 Bolsover Bridge 43 (Reg. N/A) Bolsover Lock 37 #835J66E21 JUL 1 6 2014 (300 Please See Below RWC) Raw Water - Consumed without Treatment Date 30 ( 4. 0 7. 6 5 161 Trent Canal Rd. (D) (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed 2023 Kirkfield Rd. (D) 138 Bolsover Rd. (D) 92 Talbot Dr. (D) Sampling Location 4260 Burnside Line, R.R. #4 Kirkfield Sector **Transcription** (E) Point of Entry - Consumed Verified By: Orillia, ON L3V 6H4 www.coalab.ca Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) Submitted By: Analysis Date & Time: Analysis Date & Time: ldentifier Sample (Please Print) Collected By: AM/PM with 12-10:17 (Please Print hour clock or Signature: 0:5 Name of Signature: Sampled use 24-hour Transcribed 8.49 (Indicate 4.12 Time clock) By: Lab No:

Primary Report of Microbiological Analysis of Drinking Water Only

Initials of Receiver:

Date/Time/Temp. (°C) Received:

Chain of Custody

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Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax rumbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. The necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS PORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email on postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Page 1 of 1

Primary Report of Microbiological Analysis of Drinking Water Only requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml PAGE = 5 01 -Check By: CFU/100 32 Faecal Strep. Pre-Fax Fax: 705-438-5201 + Scan & CFU/1 ml All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under reingeration to radioway. The samples will be considered DISTRIBUTION samples unless otherwise indicated. Samples will be considered by SCC and licensed by MOE in these specific mistable analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific miscobiological parameters. Private parameters and the following inorganic and physical parameters: phy, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitted agency. For collection and handling procedures visit www.coalab.cawatersamples.html. Separate bottle required for additional parameters. FS & Faecal Strept. = Faecal Strept. = Faecal Strept. Faecal Strept. = 2014 Invoiced: HPC chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca THIS AREA IS FOR LABORATORY USE ONLY JUL 15 Background CFU/100 ml Chuck Wilkinson 705-887-8390 0 C 0 Methodology (COAL Endo - COAL DC): M/F CFU/100ml Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson CFU/100 ml Date & Time Incubated: E. coli Date & Time Date: HPC & FS Incubated: 0 0 C MOE/MOHLTC Upload: CFU/100 ml Total Coliform 0 0 C Initials of Receiver: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 By: Laboratory Number THE STATE OF THE S Talenta Talent Particular Control of "Live Person" After Hours Contact Name and Tel. No: Date/Time/Temp. (°C) Received: Email H.U.: AWQI# Check if Required ES RECEIVED Please JUL 15 2014 НЬС Chain of Custody 705 Free mg/L Indicate Type/Chlorine Levels Operational/Field Freatment Information Chlorine SAC @ Email Address: Total mg/L Email/Mail Customer: Telephone: Report To: Address: ОИГЬ FOR LAB USE Other 3 Audited By: Audited By: H.U. @ °F or °C) (Indicate Temp. of Sample RMDHD CENTRAL ONTARIO ANALYTICAL LABORATORY INC. ~ Township/Town Requires Notification as > > > > > > A/N per SDWA 2002: (Please check one) 0 1 6 2014 (200 Enumerated By: Q.K. Authorized By: ;80/815 80/915 sent # of samples sent # of samples r'cvd Total # of pages Conditions: Comments/ Health Unit Systems this page this page Enumerated By: 170/03 Reported to Submitting Agency @ Fel: (705) 326-8285 Fax: (705) 326-9316 Describe the location AND indicate an appropriate letter 34223 Mara Eldon Boundary Rd. (D) FOR LABORATORY USE ONLY / LABORATORY COMMENTS 1202 Ramara Rd. Lakeshore (D) (RWC) Raw Water - Consumed without Treatment Please See Below Date Sampled: 3 0 1 4 0 1 5 Sampled: (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed Sampling Location Kirkfield Shop 46 Talbot St. (D) 4260 Burnside Line, R.R. #4 Bridge 50 Bridge 44 Kirkfield Sector **Franscription** (E) Point of Entry - Consumed Verified By: Orillia, ON L3V 6H4 www.coalab.ca Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) Submitted By: classification. Analysis Date & Time: Analysis Date & Time: Identifier Collected By: (Please Print) AM/PM with 12-0:30 (Please Print) hour clock or Signature: 09:11 Transcribed

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required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

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Date & Time Incubated:

Initials of Receiver:

Date/Time/Temp. (°C) Received:

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

4260 Burnside Line, R.R. #4

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4260 Burnside Line, K.K. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316	www.coalab.ca	2	Myck WILKINSON		Mockey Society	n (DWS) #	MOHLTC) Please See Below	CHUCK WICKIUSON		Sampling Location	Describe the location AND indicate an appropriate letter classification.	(D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed	(E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment	Lock 42	2597 Bonsor Rd. (D)		Lock 43	19 SR 409 Unit 1 (D)		Lock 44	7001 Upper Big Chute Rd. (D)		Lock 45	175 Port Severn Rd. N. (D)		All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours a must be analyzed within 48 hours of collection. Analysis performed by qualified analysis. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specimical objections and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures wist www.coalactersamples.html. Separate bottle required for additional parameters. FS & Faecal Streptococcus. HPC = Heterotrophic Plate Count. HPM = Heavy Particulate Matter. N/R = Not Received FS and HPC require 48 hours of incubation.	FOR LABORATORY USE ONLY / LABORATORY COMMENTS	AC C.		Enum	Reported to Submitting Agency @
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Date/Time/Temp. (*C) Received: Initials of Receiver: RECEIVED / 1:53 Nw.H	energy CAL		Trent Severn Waterwa	2023 Kirkfield Road Kirkfield, ON. K0M 2B0	705 438-3153	ss: chuck.wilkinson@p	"Live Person" After Hours Contact Name and Tel. No:			Please	Required	H H	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rd in the second		Sylvania Sylvania Pages				3	t water samples under refrigeratic Samples have been analyzed as ty for parameters selected, miside parameters. FS & Faecal Strep,		Methodology (COAL Endo - COAL DC): M/F CFU/100ml	Methodology (COAL HPC); SP CFU/1ml; Methodology (COAL HS); M/F CFU/100ml	SAC @ AWQI#	Email/Mail Email Customer: H.U.:
LY LY		DH DH	RMDHD Report To:	/ Address:	Telephone:	Email Address:	"Live Person		Treatment Information	Temp. of Indicate Type/Chlorine Levels Sample Operational/Field	(Indicate V	- Ing/L							5		impling Precautions: Transporte only to the aliquot submitted.  3. COAL accepts no responsibilitate bottle required for additiona		Audited By:	Audited By:	H.U. @SAC	Email/Mail Customer:
, , , , , , , , , , , , , , , , , , ,		Township/Town		Total # of pages		# or samples rovd this page	Comments/	Conditions:	8	"per SDWA 2002: (Please check one)		31		> >		>	>			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	iss otherwise indicated. Say qualified analysts. Results relameters: pH, turbidity, and alkalinit lab.calvatersamples.html. Sepa		Enumerated By: A	Enumerated By:		Report Authorized By:
4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (706) 326, 828, 534, 7765) 326, 6246	www.coalab.ca	0; // N°				shage #	MOHLTC) Please See Below	HOCH WILL MSON	Sampling Location	Describe the location AND indicate an appropriate letter classification.  (2) Distribution:	(8) Roundard (8) Not Consumed (8) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment	Bridge 57	1641 Donning Dt Dd (D)		Washago Shop	3321 Bond St. (D)				Slan and MOTHING MOTOR	All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analysis performed by qualified analysis. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity, COAL accepts no rearmeters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitted parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitted parameters. FS & Faecal Streptococcus. HPC = Health and Count HPM = Health and Parameters. PA Morrisof incorring & Parameters. PA Morrisof incorring & Parameters.	FOR LABORATORY USE ONLY / LABORATORY COMMENTS	AUG O 1 2014 1230	Enume	Reported to Submitting Agency @	Transcription Verified By:
426 Oril	WWW	Date 2 0	By:	Signature:	Name of	Pacility: Was Drinking Water System (DWS) #	3y M	(Please Print) C		aldr tifier	ns2 ns2	clock)	9:30	7.50		8:52					All samples will be comust be analyzed within microbiological parameters submitting agency. For co Particulate Marter MR = N	FOR LABORATORY U	Analysis Date & Time:	Analysis Date & Time:	Lab No:	Transcribed By:

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 316/08, 519/08 (piease see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08, 519/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "like person" must be available in the event that notification is required. THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(§) inclusive in the standard price. After hours phone number for adverse resample emergencies 7/05-323-2828 (Surcharge for after hours samples)

Primary Report, PITA 101, 1206, Revision 1.2 Page 1 of 1

(Indicate Time

clock)

Primary Report of Microbiological Analysis of Drinking Water Only

3:3

Date & Time Incubated:

Date/Time/Temp. (°C) Received:

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

4260 Burnside Line, R.R. #4

required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to The Deg 31808; 31908. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse papervork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is then transcribed and emailed to an unimited number of addressee(s) inclusive in the standard price. After hours pinon number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples) without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see ww

By:

Lab No:

_	
1	
$\langle\!\langle$	
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-08-12 13:00 (°C): HPC & FS Date & Time 2014-08-12 11:56 МН 20 Q

LABORATORY	www.	coalab.ca	-					2014-00-	12 11.50	20	.9 10		Incubated:					
Date			Twp/Town															
Sampled:		2014-08-12	Systems Health Unit	HKPI	RDH	U	Re	port To: <b>T</b>	rent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinson	<u>.                                    </u>		
Collected By:		Ellie Wright	Regulation		9/08		Ad	dress: 2	023 Kirkfield Roa	d Ki	rkfield, ON. k	MO	2B0					
Name of		Line Wright	Total # of				Tel	ephone:	705 438-3153				Ext:		Fax: 705-	-438-	5201 + Scan	& Email
Facility		Kirkfield Sector	pages sent # of samples		3		Fm	ail Address	: chuck.wilkins	on @	ne de ca. kim	n ma	rshall@nc.gc	ca. ı	nicole hamilto	n@r	oc de ca	
Drinking Wat	er System	Diagram Can Dalam	sent # of samples		8		_										10.g0.0a	
(DWS) #		Please See Below	received		8		<u>"LIV</u>	/e Person"	After Hours Contac	t Na	me and Tel. No	): 	Chuck Wil	KINS	on 705-887-8	390		
			Conditions/															
Submitted By:	:	Ellie Wright	Comments															
				Temp. Of		Treatr	nent Info	rmation		To	otal Coliform		E. coli	В	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	ite Water Type	Sample	U.V.	Other	Total Cl (mg/L)	Free Cl <sub>2</sub>	Laboratory Number		CFU/100 ml	>/<	CFU/100 ml		CFU/100 ml	>/<	CFU/1 ml	
	Posod	ale Lock 35 #835J66E47		( 0/ 1 )		0	(1119/12)	(mg/L)	+									
09:00	Roseu	161 Trent Canal Rd.	D						014952		0		0		0			
09:00		To Firent Canal Rd.							014952		U		0		U	$\vdash$		
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	Bolsov	ver Bridge 43 (Reg. N/A)														$\vdash \vdash$		
09:42		138 Bolsover Rd.	D						014953		0		0		0			
All times are Analysis perform	transcribe	sidered DISTRIBUTION samp d in the 24-hour clock for upl ied analysts. Results relate only to physical parameters: pH, turbidity,	oad to the Mi	nistry of the	e Env	ironm	•	•	•		-	•		specifi	ic microbiologica	ıl paraı	meters and	Raw = R
		ility for parameters selected, misic procedures visit www.coalab.ca/wa			orrect	quanti	y, this is	the responsi	bility of the submitting	g agei	ncy.							Distribution = D Point of Entry = E
		eptococcus HPC = Heterotrophic Pl			ulate M	latter			N/R = Not Received				F.S. and HPC	require	48 hours of incubat	tion	Raw Water (	Comsumed = RWC
Analysis	Date & Time	e: 2014-08-13 12:00	Enumerat	ed By: L	.C	Aud	lited By:	AV	Methodology: M	/F CI	FU/100ml							
Analysis	Date & Time	e:	Enumerat	ed By:		Aud	lited By:		HPC Methodolo	gy: S	SP CFU/1ml; F	S Me	hodology: M/F	CFU	l/100ml			
Tra	anscribed By	/: AC	A	uthorized &	Rech	necked	By:	J/JT_		Сору	Released By:	Н	M/KN/AB/AV				_	
	La	o No Submittir	ng Agency @			⊦	lealth Ur	it @	Spills Action	Cer	ntre (SAC) @		AWO	QI#	[	Зу:	Date:	
Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable I Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable I E. coli COAL DC Detection Limit 0 - 60 Reportable I Background COAL Endo Detection Limit 0 - 200 Indicates De Background COAL DC Detection Limit 0 - 200 Indicates De HPC COAL HPC Detection Limit 10 - 2.00 x 10 <sup>3</sup> Indicates De				Limit Limit eterio eterio	: : ration:		1 Per 1 Per 200 Per 20	erformed by Membrar erformed by Membrar erformed by Membrar erformed by Membrar erformed by Spread F	ne Filt ne Filt ne Filt ne Filt	tration M tration M tration M tration M	1/F CF 1/F CF 1/F CF 1/F CF	FU/100 ml FU/100 ml FU/100 ml FU/100 ml FU/100 ml FU/100 ml						

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TE :
LABORATORY
LABORATORT

Date

Sampled:

(DWS) #

Collected By:
Name of
Facility

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia. ON L3V 6H4

2014-08-12

Ellie Wright

Kirkfield Sector

Please See Below

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
_	# of samples sent	8
_	# of samples	Q

Final Certificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd.	Receiver:	Date & Time Incubated:	2014-08-12 13:00	
2014-08-12 11:56	20.9	МН	HPC & FS Date & Time Incubated:		

Report To: Tr	ent Severn Waterway Kirkfield Sector	r ATTN: Chuck	Wilkinson
Address: 20	023 Kirkfield Road Kirkfield, ON. K0M 2B	0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Address:	: chuck.wilkinson@pc.gc.ca; kim.marsh	nall@pc.gc.ca; nic	cole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/

Submitted By: Ellie Wright

Conditions/ Comments

				Temp. Of	Treat	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	>/<	CFU/100 ml	<b>/</b> /<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38															
10:23		1419 Canal Rd.	D					014956		0		0		0			
		Portage Lock 39															
10:36		33245 Durham Rd.	D					014957		0		0		0			
		Thorah Lock 40															
10:42		33245 Durham Rd.	D					014958		0		0		0			
	G	amebridge Lock 41					·					·		·	•		
10:50		33235 Durham Rd.	D					014959		0		0		135	•		
		oidered DISTRIBUTION complet															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Approved for use by TJ prior to use.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D

Raw = R

Point of Entry = E
F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

N/R = Not Received

Test Methodology and Det	tection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Strentococcus	COAL ES	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m

LABORATORY

Date

Sampled:

Facility

(DWS) #

Submitted By:

Collected By: Name of

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-08-12

Ellie Wright

Kirkfield Sector

Ellie Wright

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	N/A
	Total # of pages sent	3
_	# of samples sent	8
	# of samples	0

Final Certificate of Microbiological Analysis of Drinking Water

		i iiiai	oer tiricate or wire oblolog	ical Allalysis of Dilliking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-12 13:00
2014-08-12 11:56	20.9	МН	HPC & FS Date & Time Incubated:	

Report To: Trent Severn Waterway Kirkfield S	ector ATTN: C	huck Wilkinson							
Address: 2023 Kirkfield Road Kirkfield, ON. K0	M 2B0								
Telephone: 705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email							
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca									
"Live Person" After Hours Contact Name and Tel. No:	Chuck Will	kinson 705-887-8390							

Conditions/ Comments

Time Sample Identifier		Water Type	Temp. Of	Of Treatment Inform				Total Coliform			E. coli		ackground	HPC				
	Identification of Collection Site		1	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml		
		Bridge 44																
09:59		34223 Mara Eldon Boundary Rd	D						014954		0		0		0			
		Bridge 50																
11:00		1202 Ramara Rd. Lakeshore	D						014955		0		0		0			
																	·	

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC Analysis Date & Time: 2014-08-13 12:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/KN/AB/AV

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: 1

Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli 1 COAL Endo Detection Limit Performed by Membrane Filtration M/F CFU/100 ml Background 0 - 200 Indicates Deterioration: >200 COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml >500 Faecal Streptococcus COAL FS Detection Limit Performed by Membrane Filtration 0 - 80 Reportable Limit: M/F CFU/100 ml

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	LABORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		F	inal Certificate of Microbiol	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-26 13:30
2014-08-26 12:02	20.1	MH	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	11	
Drinking Water Sy		sent	11	
Name of Facility	Kirkfield Sector	Total # of pages sent # of samples	3	
Collected By:	Ellie Wright	Regulation	319/08	
Date Sampled:	2014-08-26	Twp/Town Systems Health Unit	HKPRDHU	_

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Fax: 705-438-5201 + Scan & Email Telephone: 705 438-3153 Ext: Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Ellie Wright Comments Submitted By:

				Temp. Of	L	Treat	ment Inforr	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	ale Lock 35 #835J66E47																
09:00		161 Trent Canal Rd.	D						016125		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																
08:05		2023 Kirkfield Rd.	D						016126		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
10:19		92 Talbot Dr.	D						016127		0		0		0			
																	•	
	Bolso	ver Bridge 43 (Reg. N/A)																
10:00		138 Bolsover Rd.	D						016128		0		0		0			
		idea de DIOTRIBUTION de constant								, in the second							•	

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

Detection Limit

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Indicates Deterioration:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

10 - 2.00 x 10<sup>3</sup>

Distribution = D

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL HPC

N/R - Not Received F.S. and HPC require 48 hours of incubation

SP CFU/1 ml

Point of Entry = E

Raw = R

F.S. & Faecal Strep. = Faecal	Streptococcus	HPC = Heterotroph	ic Plate Count HP	M = Heavy Particulate Matte	er	N/R = Not Received	F.S. and HPC	require 48 hours of incubation	Raw Water Comsumed = RWC
Analysis Date & Ti	me: 2	014-08-27 12:30	Enumera	ated By: GD	Audited By: AV	Methodology: M/F CFU/100m	nl		
Analysis Date & Ti	me:		Enumera	ated By:	Audited By:	HPC Methodology: SP CFU/1	1ml; FS Methodology: M/l	F CFU/100ml	
Transcribed	By: CAE	3		Authorized & Rechec	ked By: TJ/JT	Copy Release	ed By: AV/AB/CAB/HM		_
ı	Lab No.	Subm	itting Agency @		Health Unit @	Spills Action Centre (SAC	C) @ AW	QI # By:	Date:
Test Methodology and Det	ection Limit								
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration	n: >200	Performed by Membrane Filtration	M/F CFU/100 ml		
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration	n: >200	Performed by Membrane Filtration	M/F CFU/100 ml		

Performed by Spread Plate

>500

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16 192
<b>3</b> (///
100017000
ABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of

(DWS) #

Facility

4260 Burnside Line, R.R. #4

2014-08-26

Ellie Wright

Kirkfield Sector

Please See Below

326-9316 www.coalab.ca

Orillia, ON L3V 6H4	
Tel: (705) 326-8285 Fa	ax: (705)

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
_	# of samples sent	11
_	# of samples received	11

		Fi	inal Certificate of Microbiolo	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-26 13:30
2014-08-26 12:02	20.1	MH	HPC & FS Date & Time	

	Trent Severn Waterway Kirkfield Sec
	2023 Kirkfield Road Kirkfield, ON. K0M
201 + Scan & Emai	705 438-3153
jc.ca	s: chuck.wilkinson@pc.gc.ca; kim.m
<u> </u>	s: chuck.wilkinson@pc.gc.ca; kim.m

Conditions/ Submitted By: Ellie Wright Comments

				Temp. Of		Treati	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38																
10:37		1419 Canal Rd.	D						016129		0		0		0			
		Portage Lock 39																
10:45		33245 Durham Rd.	D						016130		0		0		0			
		Thorah Lock 40																
10:53		33245 Durham Rd.	D						016131		0		0		0			
	G	amebridge Lock 41																
11:00		33235 Durham Rd.	D						016132		0		0		115		•	
II camples	will be cons	sidered DISTRIBUTION samples	unloce othe	rwice ind	cato	4				-								

N/R = Not Received

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

HPM = Heavy Particulate Matter

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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F.S. and HPC require 48 hours of incubation

Distribution = D Point of Entry = E

Page 1 of 1

Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time: Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By:

Transcribed By: Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI#

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Performed by Membrane Filtration M/F CFU/100 ml Background Detection Limit 0 - 200 Indicates Deterioration: >200 SP CFU/1 ml COAL HPC Detection Limit Indicates Deterioration: >500 Performed by Spread Plate 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3

Date:

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		F	inal Certificate of Microbiolo	gical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-08-26 13:30
2014-08-26 12:02	20.1	MH	HPC & FS Date & Time Incubated:	

~				
Date		Twp/Town	Kawartha Lakes	
Sampled:	2014-08-26	Systems Health Unit	RMDHD	
Collected By:	Ellie Wright	Regulation	N/A	
Name of	Kindshald Conton	Total # of pages sent	3	
Facility	Kirkfield Sector	# of samples	4.4	
Drinking Water Sy	ystem	sent	11	
(DWS) #	Please See Below	# of samples received	11	

Report To:	Trent	Severn W	aterway Kirkfield Sector	ATTN: Chuck Wil	Ikinson
Address:	2023 K	(irkfield Ro	ad Kirkfield, ON. K0M 2B0		
Telephone:	705	438-3150	3	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: ch	nuck.wilkin	son@pc.gc.ca; kim.marsha	all@pc.gc.ca; nicol	ole.hamilton@pc.gc.ca
"Live Persor	n" After	Hours Con	tact Name and Tel. No:	Chuck Wilkinson 7	705-887-8390

Submitted By: Ellie Wright

Conditions/ Comments

	1	<u> </u>	T	1				. 1		1								ı
Time	Sample		Water			Treat	ment Inforn	nation	Laboratory	To	tal Coliform	E. coli		Background		HPC		
Sampled	I Identification of Collection S		Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																
10:07		34223 Mara Eldon Boundary Rd	D						016133		0		0		0			
		Bridge 50																
11:15		1202 Ramara Rd. Lakeshore	D						016134		0		0		0			
		Kinkinki Char																
		Kirkfield Shop																
08:20		46 Talbot St.	D						016135		0		0		0			
										<u> </u>								
All samples	will be con	sidered DISTRIBUTION samples u	ınless othe	rwise ind	icate	d.												

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received

Analysis Date & Time: 2014-08-27 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml

F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

 Transcribed By:
 CAB
 Authorized & Rechecked By:
 TJ/JT
 Copy Released By:
 AV/AB/CAB/HM

 Lab No.
 Submitting Agency @
 Health Unit @
 Spills Action Centre (SAC) @
 AWQI #
 By:
 Date:

Test Methodology and Det	ection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3 Page 1 of 1

730
X = ) / / //
LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

		Fi	inal Certificate of Microbiol	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-09 13:30
2014-09-09 12:30	21.6	LJ	HPC & FS Date & Time Incubated:	

	1111110001001			_		ilicubateu.			
Date Sampled:	2014-09-09	Twp/Town Systems		Poport To:	Trent Severn Waterway Kirkfi	old Sactor ATTN: Chuc	sk Wilkingon		
Sampleu.	2014-09-09	Health Unit	HKPRDHU	Report 10.	Trent Severn Waterway Kirkin	ela Sector Al IN. Chac	K WIIKIIISOII		
Collected By:	Chuck Wilkinson	Regulation	319/08	Address:	2023 Kirkfield Road Kirkfield, ON	N. K0M 2B0			
Name of	Kirldiald Coator	Total # of pages sent	3	Telephone	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email		
Facility	Kirkfield Sector	# of samples		Email Addı	ess: chuck.wilkinson@pc.gc.ca;	kim.marshall@pc.gc.ca	; nicole.hamilton@pc.gc.ca		
Drinking Water System	stem	sent	10	-	1 0 /	1 5	, 1 0		
(DWS) #	Please See Below	Please See Below # of samples received 10		"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390					

Conditions/ Comments

Submitted By: Chuck Wilkinson

_				Temp. Of	 Treatr	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	dentifier Identification of Collection Site   Water   Sample   Sam		Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> Laboratory Number		>/<	>/< CFU/100 ml >		CFU/100 ml	>/< CFU/100 m		>/<	CFU/1 ml			
Rosedale Lock 35 #835J66E47																	
08:30		161 Trent Canal Rd.	D					017244		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39															
08:05		2023 Kirkfield Rd.	D					017245		0		0		0			
	Bolso	ver Lock 37 #835J66E21														•	
09:55		92 Talbot Dr.	D					017246		0		0		0			
																•	
	Bolso	ver Bridge 43 (Reg. N/A)										·				•	
09:40		138 Bolsover Rd.	D					017247		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

Detection Limit

Detection Limit

Detection Limit

Detection Limit

Detection Limit

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

1

>200

>200

>500

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus

E. coli

HPC

Background

Background

Faecal Streptococcus

HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

0 - 60

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

N/R = Not Received

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

F.S. and HPC require 48 hours of incubation

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Raw Water Comsumed = RWC

Analysis Date & Tir	me: 2	014-09-10 12:	B0 Enumerat	ed By: GD	Audited By: AV	Methodology: M/F CFU/100ml					
Analysis Date & Tir	me:		Enumerat	ed By:	Audited By:	HPC Methodology: SP CFU/1ml;	FS Methodology	: M/F CFU/100ml			
Transcribed	By: CAE	<u> </u>	А	uthorized & Rech	ecked By: TJ/JT	Copy Released By	: AV/CAB/A	B/HM			
L	_ab No	Sub	omitting Agency @		Health Unit @	Spills Action Centre (SAC) @		AWQI#	Ву:	Date:	
Test Methodology and Dete	ection Limit										
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml				
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml				

COAL FS Approved for use by TJ prior to use.

COAL DC

COAL Endo

COAL HPC

COAL DC

770
W => ////
LABORATORY
ERBONATORT

Collected By: Name of

**Drinking Water System** 

Facility

(DWS) #

Date Sampled: 4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-09-09

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
	# of samples sent	10
Below	# of samples	10

		Г	mai cermicate di Microbiolo	gical Alialysis of Dillikilig Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-09 13:30
2014-09-09 12:30	21.6	LJ	HPC & FS Date & Time Incubated:	

Final Cartificate of Missobiological Analysis of Drinking Weter

Report To:	Trent Severn Waterway Kirkfield Sector	ATTN: Chuck Wi	Ikinson						
Address:	2023 Kirkfield Road Kirkfield, ON. K0M 2B0	1							
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email						
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca									
"Live Persor	n" After Hours Contact Name and Tel. No:	Chuck Wilkinson	705-887-8390						

Conditions/ Submitted By: Chuck Wilkinson

Please See

Comments

		<u> </u>																
				Temp. Of		Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	e Water Type	Sample (°C/°F)	ample S Total Cl <sub>2</sub> Free Cl <sub>2</sub>		Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml			
		Talbot Lock 38																
10:30		1419 Canal Rd.	D						017248		0		0		0			
	I	Portage Lock 39																
10:35		33245 Durham Rd.	D						017249		0		0		0			
		Thorah Lock 40																
10:40		33245 Durham Rd.	D						017250		0		0		0			
		<u> </u>																
	G	amebridge Lock 41																
11:00		33235 Durham Rd.	D					·	017251		0		0		0			

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Distribution = D Point of Entry = E

Raw = R

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter Raw Water Comsumed = RWC N/R = Not Received F.S. and HPC require 48 hours of incubation

Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/CAB/AB/HM AWQI# Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ By: Date:

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background Detection Limit 0 - 200 >200 COAL HPC Detection Limit Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3 Page 1 of 1



4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

COAL DC

COAL Endo

COAL DC

COAL HPC

COAL FS

Detection Limit Detection Limit

Detection Limit

Detection Limit

Detection Limit

E. coli

HPC

Background

Background

Faecal Streptococcus

0 - 60

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-09-09 13:30 (°C): HPC & FS Date & Time 2014-09-09 12:30 21.6 IJ

LABORATORY	www.	coalab.ca							2011000	70 12.00		.0 .	-0	Incubated:					
Date			Twp	/Town	Kawarth	na La	kes												
Sampled:		2014-09-09		stems th Unit	RMI	DHD		Rep	ort To: Tr	ent Severn Wa	terwa	y Kirkfield S	Sect	or ATTN: Ch	uck	Wilkinson			
Collected By:		Chuck Wilkinson	Rea	ulation	N	/A		Add	ress: 20	23 Kirkfield Roa	d Kirl	kfield, ON. K	)M 2	B0					
Name of			Tota	al # of		3		Tele	phone: 7	705 438-3153				Ext:		Fax: 705	-438-	5201 + Scan 8	& Email
Facility		Kirkfield Sector		es sent samples				Ema	ail Address:	chuck.wilkins	on@r	oc.gc.ca; kim	.mar	shall@pc.gc.	ca; n	icole.hamiltor	n@pc	.gc.ca	
Drinking War (DWS) #	ter System	Please See Below		sent	1	0				After Hours Conta	•					on 705-887-83			
(DW3) #		riease See Delow		eived	1	0		Live	e reison A	Allei Flouis Conta	ici ivai	nie and Tel. Ni	J	CHUCK WII	KIIISC	DIT 705-007-00	390		
Submitted By	r.	Chuck Wilkinson		nditions/ mments															
_					Temp. Of		Treatn	nent Infor	mation		To	otal Coliform		E. coli	Е	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	ite	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																	
09:50		34223 Mara Eldon Boundar	y Rd.	D						017252		0		0		6			
		Bridge 50																	
11:05		1202 Ramara Rd. Lakesh	ore	D						017253		0		0		0			
•		sidered DISTRIBUTION samp						(M.O.	T) 1/ B/	U-1-1		T O		M-111 TO)					
		ed in the 24-hour clock for up led analysts. Results relate only to			-			•	•	-		-		•	microh	niological parame	ters ar	nd the	
following inorga	anic and physi	ical parameters: pH, turbidity, and a	lkalinity	y.								,							Raw = R
	•	lity for parameters selected, misiden procedures visit www.coalab.ca/wate			es or incorrect	t quar	ntity, thi	s is the res	ponsibility of	the submitting agen	icy.								Distribution = D Point of Entry = E
F.S. & Faecal Stre	ep. = Faecal Str	reptococcus HPC = Heterotrophic P	late Cou	unt HPM :	= Heavy Partic	ulate N	latter			N/R = Not Received				F.S. and HPC	require	48 hours of incuba	tion	Raw Water	Comsumed = RWC
Analysis	Date & Time	e: 2014-09-10 12:30	E	Enumerate	ed By: G	D	Auc	ited By:	AV	Methodology: N	∕l/F CF	FU/100ml							
Analysis	Date & Time	e:	E	Enumerate	ed By:		Auc	ited By: _		HPC Methodolo	ogy: S	P CFU/1ml; F	S Me	thodology: M/F	CFU	J/100ml			
Tra	anscribed B	y: CAB		A	uthorized &	Recl	necked	By: To	J/JT		Сору	Released By:	Α	V/CAB/AB/HM				_	
	La	b No. Submitti	ng Ag	ency @ _			⊦	ealth Uni	t @	Spills Actio	n Cen	tre (SAC) @		AWO	QI #		Ву:	Date:	
Test Methodolog Total Coliform ( Total Coliform (	gy and Detect Treated) C	tion Limit COAL Endo Detection Limit	0 - 80 0 - 80	)	Reportable Reportable	Limit:			1 Per	formed by Membrar	ne Filtra	ation N	NF CF	FU/100 ml FU/100 ml					

Final Certficate, PITA 102, 1311, Revision 1.3 Approved for use by TJ prior to use. Page 1 of 1

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

>200

>200

>500

_		
	E/4	
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1		
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	LABORATORY	
	· · · · · · · · · · · · · · · · · · ·	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-09-23 12:30 (°C): HPC & FS Date & Time 2014-09-23 11:23 20.4 MH Incubated:

Date		0044.00.0	20	Twp/Town Systems							T 0 W		12:-1-6:-1-1 6		- ATTN: 01-		MA/:III - !			
Sampled:		2014-09-2	23	Health Unit		HKPF	RDH	U			Trent Severn V					uck	Wilkinson			
Collected By:		Chuck Wil	kinson	Regulation		319	9/08		Addı	ress:	2023 Kirkfield R	oad Kiri	ktield, ON. Ko	)IVI 21	30					
Name of		Kinkiala Ca		Total # of pages sent		;	3		Tele	phone:	705 438-315	53			Ext:		Fax: 705	-438-5	5201 + Scan 8	<u> </u>
Facility  Drinking Wat	or System	Kirkfield Se	ector	# of samples sent		(	9		Ema	il Addres	s: chuck.wilki	nson@p	oc.gc.ca; kim	.mar	shall@pc.gc.	ca; n	icole.hamiltor	1@pc	.gc.ca	
(DWS) #	er System		e See Below	# of samples			9		"Live	e Person'	' After Hours Cor	tact Nan	ne and Tel. No		Chuck Wil	kinsc	n 705-887-83	390		
				Condition	1	•	9													
Submitted By:		Chuck Wil	kinson	Commer																
Time	Sample			Wa	er	Temp. Of		Treat	ment Infori	·r	Laboratory	To	otal Coliform		E. coli	Е	Background	ļ	HPC	
Sampled	Identifier	Identificat	tion of Collection S	ite Typ		Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free C (mg/L	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rose	dale Lock 3	5 #835J66E47			( -, - )		O	(3/ =/	(9.	,									
08:45	11000		Trent Canal Rd.								018296		0		0		0			
	Kirkfi	eld Lock 36	6 #835J66E39																	
08:00		202	3 Kirkfield Rd.	D							018297		0		0		0			
	Bols	over Lock 37	7 #835J66E21																	
09:40		9	2 Talbot Dr.	D							018298		0		0		0			
	Bols	over Bridge	43 (Reg. N/A)	·																
09:15		138	Bolsover Rd.	D							018299		0		0		0			
•			RIBUTION sample our clock for uple						nt (MOE)	and/or I	Ministry of Health	and Lo	ng Term Care	(Mo	HLTC).					
			esults relate only to t pH, turbidity, and al		mitted	I. Samples	have	been a	nalyzed as	received.	COAL is accredited	by SCC	and licensed by	MOE i	n these specific i	nicrob	iological parame	ters an	d the	Raw = F
COAL accepts r	no responsib	ility for paramete	ers selected, misiden	tification of sa		or incorrect	t quan	ntity, thi	s is the resp	ponsibility	of the submitting ag	jency.								Distribution = [
			www.coalab.ca/wate HPC = Heterotrophic Pl			Heavy Partic	ulate M	latter			N/R = Not Receiv	ed			F.S. and HPC	require	48 hours of incuba	ition	Raw Water	Point of Entry = E Comsumed = RWC
Analysis	Date & Tin	ne: 201	14-09-24 11:00	Enume	rated	By: G	D	Au	dited By:	LJ	Methodology	: M/F CF	-U/100ml							
								_	_		<del>_</del> '			Meth	nodology: M/F	CFU/	100ml			
		By: CAB							d By: To		_				/CAB/AB/HM					
		· ——	Submittii	na Agency (							Spills Ad		-					Bv.	Date:	
Test Methodolog					_				.50 01111				5 (55)					_,		
Total Coliform (	Treated)	COAL Endo D	Detection Limit Detection Limit	0 - 80 0 - 80		Reportable Reportable			1		Performed by Memb				U/100 ml U/100 ml					
E. coli	,	COAL DC D	etection Limit	0 - 60	R	Reportable	Limit:				Performed by Memb	rane Filtra	ation N	//F CF	U/100 ml					
Background		COAL Endo D		0 - 200		ndicates De					Performed by Memb				U/100 ml					
Background HPC			Detection Limit Detection Limit	0 - 200 10 - 2.00 x 10		ndicates De ndicates De					Performed by Memb Performed by Sprea				U/100 ml J/1 ml					
Faecal Streptoc			Detection Limit	0 - 80		Reportable					Performed by Memb				U/100 ml					

E Yan
LABORATORY

Collected By: Name of

**Drinking Water System** 

Facility

(DWS) #

Date Sampled: 4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-09-23

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
_	# of samples sent	9
_	# of samples received	9

			na commodo or microbiolo	rgiodi raidiyolo ol Brilliang water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-23 12:30
2014-09-23 11:23	20.4	MH	HPC & FS Date & Time	

Final Certificate of Microbiological Analysis of Drinking Water

<u> </u>		
Report To: Trent Severn Waterway Kirkfield Sector ATTN	I: Chuck Wilkinson	
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0		
	Fax: 705-438-5201 + Scan & Email	
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@p	c.gc.ca; nicole.hamilton@pc.gc.ca	
"Live Person" After Hours Contact Name and Tel. No: Chucl	k Wilkinson 705-887-8390	

Conditions/ Comments

Submitted By: Chuck Wilkinson

		<u> </u>		Temp. Of	Treatr	ment Inforn	nation		To	otal Coliform		E. coli	Background		HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Total Cl <sub>2</sub> Free Cl <sub>2</sub> (mg/L) (mg/L)		Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml			>/<	CFU/1 ml		
		Talbot Lock 38															
09:50		1419 Canal Rd.	D					018300		0		0		0			
		Portage Lock 39															
09:55		33245 Durham Rd.	D					018301		0		0		0			
		Thorah Lock 40															
10:00		33245 Durham Rd.	D					018302		0		0		0			
	G	amebridge Lock 41															
10:05		33235 Durham Rd.	D					018303		0		0		0			
		idered DISTRIBUTION samples															

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time: 20	14-09-24 11:00 Enumerated By:	GD Audited By: LJ	Methodology: M/F CFU/100ml				
Analysis Date & Time:	Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Meth	odology: M/F CFU/100ml			
Transcribed By: CAB	Authorized	& Rechecked By: TJ/JT	Copy Released By: LJ/	CAB/AB/HM			
Lab No.	Submitting Agency @	Health Unit @	Spills Action Centre (SAC) @	AWQI #	Ву:	Date:	

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Total Coliform (Untreated) COAL DC 0 - 80 Performed by Membrane Filtration M/F CFU/100 ml Detection Limit Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Background COAL Endo 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Detection Limit COAL DC 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background Detection Limit >200 HPC COAL HPC Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Detection Limit 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3

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	TE A
W	
- 1	
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

		F	inal Certificate of Microbiol	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-23 12:30
2014-09-23 11:23	20.4	MH	HPC & FS Date & Time Incubated:	

			_																	
Date				)/Town	Kawarth	na La	akes													
Sampled:		2014-09-23		stems Ith Unit	RM	DHD	)	R	Report To:	Tre	ent Severn Wa	terwa	ay Kirkfield S	Secto	or ATTN: Ch	uck	Wilkinson			
Collected By:		Chuck Wilkinson	Reg	ulation	N	l/A		_A	ddress:	202	23 Kirkfield Roa	d Kir	kfield, ON. K	)M 2	B0					
Name of				tal # of		3			elephone:	7	05 438-3153				Ext:		Fax: 705-	-438-	5201 + Scan 8	& Email
Facility		Kirkfield Sector	# of s	es sent samples				E	mail Addre	ss:	chuck.wilkins	on@ı	oc.gc.ca; kim	.mar	shall@pc.gc.	ca; n	icole.hamiltor	ı@pc	.gc.ca	
Drinking Wat (DWS) #	er System	Please See Below		sent samples		9			Live Persor	ו" A	after Hours Contac	ct Nar	ne and Tel. No	:	Chuck Wil	kinso	on 705-887-83	 390		
<u> </u>			rec	ceived		9														
Submitted By:		Chuck Wilkinson		nditions/ mments																
					Temp. Of		Treat	ment In	formation			Te	otal Coliform		E. coli	E	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total ( (mg/l	-	_	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																		
09:30		34223 Mara Eldon Boundar	y Rd.	D							018304		0		0		0			
		Bridge 50																		
10:30		1202 Ramara Rd. Lakesh	ore	D							018305		0		0		0			
		Kirkfield Shop																		
08:30		46 Talbot St.		D							018306		0	<u> </u>	0		0	<u> </u>		<u> </u>
All camples	vill be con	sidered DISTRIBUTION samp	loc ur	aloss otho	rwice indi	natod														
All times are Analysis perform following inorga COAL accepts r For collection ar F.S. & Faecal Stre Analysis	transcribe med by qualif nic and phys no responsibi nd handling p p. = Faecal Str Date & Tim	d in the 24-hour clock for uplied analysts. Results relate only to ical parameters: pH, turbidity, and a lity for parameters selected, misider procedures visit www.coalab.ca/wate reptococcus HPC = Heterotrophic Pale: 2014-09-24 11:00	oad to the alic alkalinity atification ersamp tate Con	the Minis quot submitt y. on of sample les.html unt HPM	stry of the ed. Samples es or incorrec = Heavy Partic ed By:	Envirus have the quarter of the quar	ntity, th	analyzed is is the dited By	as received responsibility	I. CC	DAL is accredited by the submitting agen N/R = Not Received Methodology: N	/ SCC cy. 1/F CF	and licensed by	MOE	F.S. and HPC	require	48 hours of incuba			Raw = Distribution = Point of Entry = Comsumed = RW
																	TOOTH			
l ra		By: CAB			uthorized &								-		/CAB/AB/HM				_	
Toot Mothodala		ab No. Submitti	ng Ag	ency @ _				Health l	Jnit @		Spills Actio	n Cer	itre (SAC) @		AW0	# וג		Ву:	Date:	
Test Methodolog Total Coliform ( Total Coliform (	Treated) C	COAL Endo Detection Limit	0 - 80		Reportable Reportable						formed by Membran				FU/100 ml					

Performed by Membrane Filtration

Performed by Spread Plate

>200

>200

>500

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Final Certficate, PITA 102, 1311, Revision 1.3 Page 1 of 1

COAL DC

COAL DC

COAL FS

COAL HPC

Detection Limit

Detection Limit

Detection Limit

Detection Limit

Detection Limit

COAL Endo Detection Limit

0 - 80

0 - 60

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

Reportable Limit:

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Total Coliform (Untreated) COAL DC

E. coli

HPC

Background

Background

Faecal Streptococcus

MOH.T.C.MOHWateworks for O. Reg 318/09. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that norfiteation is required. THIS SORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email and om cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to thon transcribd and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phoen number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Primary Report, PITA 101, 1206, Revision 1.2

Invoiced:

MOE/MOHLTC Upload:

Email 4WQI#

> Email/Mail Customer:

> > Authorized By:

By:

SAC @

(6)

H.U.

Reported to Submitting Agency @

Transcription Verified By:

Transcribed

ab No:

Time

clock)

1:45

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

MOHITCIM/MYMateworks for O. Reg 318/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and ires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples) ene.gov.on.ca for more information) king Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www

Approved for use by TJ prior to use.

Invoiced:

MOE/MOHLTC Upload:

Email H.U.:

Email/Mail Customer:

Authorized By:

Transcription Verified By:

Transcribed

Lab No:

8

00:5 Check By: CFU/100 Faecal Strep. Fax: 705-438-5201 + Scan & Email Pre-Fax Ē CFU/1 ml must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by WOE in these specific microbiological parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples html. Separate bottle required for additional parameters. FS & Faecal Streptococcus. HPC = Heterotrophic Plate Count. HPM = Heavy HPC All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and Invoiced: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca THIS AREA IS FOR LABORATORY USE ONLY CFU/100 ml FAXED Background Methodology (COAL Endo - COAL DC): M/F CFU/10pmi SEP 1 2016
Methodology (COAL HPC): SP CFU/1mi; Methodology (COAL FS): M/F CFU/10pmi Chuck Wilkinson 705-887-8390 10 O - 01 Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson Date & Time Incubated: **SEP** CFU/100 ml | CFU/100 ml Date & Time Incubated: E. coli 900 MOE/MOHLTC Upload: Total Coliform Ext: Date/Time/Temp. (°C) Received: Initials of Receiver: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 By: Laboratory Number 'Live Person" After Hours Contact Name and Tel. No: RECEIVED 14,08 Email H.U. AWQI# SEP 10 2014 Required 705 438-3153 Parameter Check if ЬS Please 1bC Operational/Field Indicate Type/Chlorine Levels Free mg/L reatment Information Chlorine SAC @ Email Address: Total mg/L Telephone: Report To: Email/Mail Customer: Address: FOR LAB USE ONLY Other 3 Audited By: Audited By: °F or °C) (9) Temp. of Indicate Sample RMDHD H. ownship/Town Requires Notification as > > > > > AIN > per SDWA 2002: (Please check one) 0 14:00 GD Enumerated By: GD 319/08 Authorized By: this page # of samples rcvd this page Systems Health Unit Total # of pages # of samples sent Comments/ Conditions: 318/08; Report sent Enumerated By: 170/03 Tel: (705) 326-8285 Fax: (705) 326-9316 Reported to Submitting Agency @ escribe the location AND indicate an appropriate letter 1202 Ramara Rd. Lakeshore (D) 34223 Mara Eldon Boundary Rd (D) Particulate Matter N/R = Not Received FS and HPC require 48 hours of in FOR LABORATORY COMMENTS Please See Below RWC) Raw Water - Consumed without Treatment (R) Raw - Before Treatment & Not Consumed CNUGE WICKINSON Sampling Location Kirkfield Shop 46 Talbot St. (D) 4260 Burnside Line, R.R. #4 CHOCK WICKINSON Bridge 44 SEP 1 1 2014 Bridge 50 Kirkfield Sector (E) Point of Entry - Consumed **Transcription** Verified By: (D) Distribution - Consumed Orillia, ON L3V 6H4 www.coalab.ca Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) classification Analysis Date & Time: Analysis Date & Time: Identifier Sample (Please Print) Collected By: Submitted By: (Please Print) AM/PM with 12-Signature: hour clock or Signature: Name of use 24-hour Transcribed Sampled

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

Sampled:

(Indicate Time

clock)

8:18

MOHIT/MOH/Waterworks for O. Reg 318/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THE SAMPLE(S) OR MAY PEPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOEIMOHIWaterworks for O. Reg 170/03 and to then transcribed and emailed on unfinitied number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-328 (Surcharge for after hours samples)

Page 1 of 1

By:

\_ab No:

-		
		1900
	C	172
LA	BORATO	RY

Time

Sampled

01:50

. . . . . . . .

HPC

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Lock 42

Tel: (705) 326-8285 Fax: (705) 326-9316

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2014-09-24 15:30 (°C): HPC & FS Date & Time 2014-09-24 14:50 16.7 ΑF

LABORATORY	www.coalab.ca						,	Incubated:	
Date Sampled:	2014-09-24	Twp/Town Systems Health Unit	SMDHU	Report To:	Trent	Severn Waterway Kirkfie	eld Sect	or ATTN: Chu	uck Wilkinson
Collected By:	Chuck Wilkinson	Regulation	318/08	Address:	2023	Kirkfield Road Kirkfield, ON	N. K0M 2	B0	
Name of Facility	Washago Sector	Total # of pages sent	2	Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
Drinking Water S		# of samples sent	6	Email Addr	ess: C	huck.wilkinson@pc.gc.ca;	kim.mar	shall@pc.gc.ca	ı; nicole.hamilton@pc.gc.ca
(DWS) #	Please See Below	# of samples received	6	"Live Perso	n" After	Hours Contact Name and Tel.	l. No:	Chuck Wilkin	son 705-887-8390

Conditions/ Comments

Submitted By: Chuck Wilkinson

Sample

Identifier

HPC Treatment Information Total Coliform E. coli Background Temp. Of Water Laboratory Identification of Collection Site Sample Other Total Cl2 Free Cl<sub>2</sub> J. . >/< CFU/100 ml Type Number CFU/100 ml >/< CFU/100 ml CFU/1 ml (°C/°F) (mg/L) (mg/L) D 018582 0 0 2597 Bonsor Rd. 0

	Lock 43									
11:30	19 SR 409 Unit 1	D			018583	0	0	0		
	Lock 44									
10:30	7001 Upper Big Chute Rd.	D			018584	0	0	0		
	Lock 45									
10:00	175 Port Severn Rd. N.	D			018585	0	0	0		

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received

F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Analysis Date & Time:	2014-09-25	14:30 Enumerat	ted By: GD	Audited By: _	LJ	Methodology: M/F CFU/100ml				
Analysis Date & Time:		Enumerat	ted By:	Audited By:		HPC Methodology: SP CFU/1ml; FS	Methodology: M/F CFU/100ml			
Transcribed By:	AB	A	Authorized & Rech	ecked By:	I/JT	Copy Released By:	LJ/AB/HM/CAB			
Lab N	lo	Submitting Agency @		Health Unit	t @	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit:

Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Spread Plate SP CFU/1 ml COAL HPC 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Detection Limit >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3 Approved for use by TJ prior to use. Page 1 of 1

LABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2014-09-24

Chuck Wilkinson

Washago Sector

Please See Below

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	SMDHU
	Regulation	N/A
	Total # of pages sent	2
_	# of samples sent	6
_	# of samples	6

Final Certificate of Microbiological Analysis of Drinking Water

		a.	continuate of mileropiereg	iodi 7 ilidiyolo ol Billilang Tratol
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2014-09-24 15:30
2014-09-24 14:50	16.7	AF	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn Waterway Kirkfield Sector	ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Chuck Wilkinson Submitted By:

_				Temp. Of	Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	<b>/</b> /<	CFU/100 ml	× ×	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57															
01:35		1641 Peninsula Pt. Rd.	D					018586		0		0		0			
		Washago Shop															
02:10		3321 Bond St.	D					018587		0		0		0			
•		_												•			

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D Point of Entry = E

Raw = R

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml Analysis Date & Time: 2014-09-25 14:30

Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: AB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/HM/CAB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Date:

Test Methodology and Detection Limit

Total Coliform (Treated) COAL Endo Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 80 Reportable Limit: M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Indicates Deterioration: M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

10-October-2015

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 07 October 2015 LR Report: CA14129-OCT15

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

### CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	6: MDL	7: NR Kitchen Sink
Sample Date & Time							06-Oct-15 16:30
Temperature Upon Receipt [°C]							18.0
Nitrite (as N) [mg/L]	08-Oct-15	22:33	09-Oct-15	15:26	1	0.003	< 0.003
Nitrate (as N) [mg/L]	08-Oct-15	22:33	09-Oct-15	15:26	10	0.006	0.911
Nitrate + Nitrite (as N) [mg/L]	08-Oct-15	22:33	09-Oct-15	15:26	10	0.006	0.911
Total Coliform [cfu/100mL]	07-Oct-15	11:10	08-Oct-15	11:58	0		0
E. Coli [cfu/100mL]	07-Oct-15	11:10	08-Oct-15	11:58	0		0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

09-July-2015

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 08 July 2015 LR Report: CA14212-JUL15

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			08-Jul-15	08-Jul-15
2: Analysis Start Time			12:20	12:20
3: Analysis Approval Date			09-Jul-15	09-Jul-15
4: Analysis Approval Time			14:59	14:59
5: MAC			0	0
6: NR Kitchen Sink	07-Jul-15 15:45	22.0	0	0

MAC - Maximum Acceptable Concentration

Kimberley Didsbury Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

PO Box 249 Haliburton, ON K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

26-February-2015

Date Rec.: 20 February 2015 LR Report: CA14346-FEB15

Copy: #1

### CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	7: MDL	8: NR Office Kitchen
Sample Date & Time							19-Feb-15 16:03
Temperature Upon Receipt [°C]							17.0
Total Coliform [cfu/100mL]	20-Feb-15	10:50	23-Feb-15	10:06	0		0
E. Coli [cfu/100mL]	20-Feb-15	10:50	23-Feb-15	10:06	0		0
Nitrite (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	1	0.003	0.003 <mdl< td=""></mdl<>
Nitrate (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	10	0.006	1.75
Nitrate + Nitrite (as N) [mg/L]	24-Feb-15	16:59	25-Feb-15	08:26	10	0.006	1.75
Lead [ug/L]	24-Feb-15	15:40	26-Feb-15	07:57	10	0.01	0.59

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



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**Trent-Severn Waterway (Haliburton Sector)** 

Attn : Greg Cooper

PO Box 249 Haliburton, ON K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

#### 27-November-2015

Date Rec.: 26 November 2015 LR Report: CA14535-NOV15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			26-Nov-15	26-Nov-15
2: Analysis Start Time			12:50	12:50
3: Analysis Approval Date			27-Nov-15	27-Nov-15
4: Analysis Approval Time			11:27	11:27
5: MAC			0	0
6: NR Haliburton	25-Nov-15 16:10	20.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

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Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

03-June-2015

Date Rec.: 01 June 2015 LR Report: CA14034-JUN15

Copy: #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			01-Jun-15	01-Jun-15
2: Analysis Start Time			15:20	15:20
3: Analysis Approval Date			03-Jun-15	03-Jun-15
4: Analysis Approval Time			15:00	15:00
5: MAC			0	0
6: NR Lock #22	01-Jun-15 12:52	17.0	0	0
7: NR Lock #23	01-Jun-15 13:00	17.0	0	0
8: NR Lock #24	01-Jun-15 10:09	17.0	0	0
9: NR Lock #25	01-Jun-15 13:10	17.0	0	0
10: NR Lock #27	01-Jun-15 10:44	17.0	0	0
11: NR Lock #28	01-Jun-15 11:07	17.0	0	0
12: NR Lock #30	01-Jun-15 10:10	17.0	0	0
13: NR Lock #31	01-Jun-15 11:26	17.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

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**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 10-October-2015

Date Rec.: 08 October 2015 LR Report: CA14172-OCT15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			08-Oct-15	08-Oct-15
2: Analysis Start Time			13:25	13:25
3: Analysis Approval Date			09-Oct-15	09-Oct-15
4: Analysis Approval Time			13:23	13:23
5: MAC			0	0
6: NR Lock #22	08-Oct-15 12:13	12.0	0	0
7: NR Lock #23	08-Oct-15 12:17	12.0	0	0
8: NR Lock #24	08-Oct-15 12:03	12.0	0	0
9: NR Lock #27	08-Oct-15 11:22	12.0	0	0
10: NR Lock #28	08-Oct-15 10:33	12.0	0	0
11: NR Lock #30	08-Oct-15 11:00	12.0	0	0
12: NR Lock #31	08-Oct-15 10:05	12.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

10-August-2015

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 07 August 2015 LR Report: CA14185-AUG15

PO Box 567 Peterborough, ON K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130 Fax:705-750-4140

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Aug-15	07-Aug-15
2: Analysis Start Time			15:00	15:00
3: Analysis Approval Date			10-Aug-15	10-Aug-15
4: Analysis Approval Time			10:08	10:08
5: MAC			0	0
6: NR Lock #31 Buckhorn	07-Aug-15 11:44	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567

Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 14-May-2015

**Date Rec.:** 12 May 2015

LR Report: CA14306-MAY15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			13-May-15	13-May-15
2: Analysis Start Time			08:20	08:20
3: Analysis Approval Date			14-May-15	14-May-15
4: Analysis Approval Time			12:24	12:24
5: MAC			0	0
6: NR Lock #22	12-May-15 14:46	12.0	0	0
7: NR Lock #23	12-May-15 13:31	12.0	0	0
8: NR Lock #24	12-May-15 16:17	12.0	0	0
9: NR Lock #25	12-May-15 13:49	12.0	0	0
10: NR Lock #27	12-May-15 15:30	12.0	0	0
11: NR Lock #28	12-May-15 15:30	12.0	0	0
12: NR Lock #31	12-May-15 09:45	12.0	0	0
13: NR Lock #30	12-May-15 15:30	12.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

15-July-2015

Trent-Severn Waterway (Central Sector)

**Date Rec.:** 13 July 2015 Attn: Greg Stencell LR Report: CA14307-JUL15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

Copy: #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			13-Jul-15	13-Jul-15
2: Analysis Start Time			14:50	14:50
3: Analysis Approval Date			15-Jul-15	15-Jul-15
4: Analysis Approval Time			08:15	08:15
5: MAC			0	0
6: NR Lock #22	13-Jul-15 11:51	17.0	0	0
7: NR Lock #23	13-Jul-15 12:16	17.0	0	0
8: NR Lock #24	13-Jul-15 12:30	17.0	0	0
9: NR Lock #25	13-Jul-15 12:47	17.0	0	0
10: NR Lock #27	13-Jul-15 11:15	17.0	0	0
11: NR Lock #28	13-Jul-15 11:03	17.0	0	0
12: NR Lock #30	12-Jul-15 17:25	17.0	0	0
13: NR Lock #31	13-Jul-15 10:36	17.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Patti Stark

Project Specialist Environmental Services,

Analytical



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 12 August 2015

LR Report: CA14332-AUG15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			12-Aug-15	12-Aug-15
2: Analysis Start Time			17:50	17:50
3: Analysis Approval Date			14-Aug-15	14-Aug-15
4: Analysis Approval Time			08:44	08:44
5: MAC			0	0
6: NR Lock #22	12-Aug-15 10:30	24.0	0	0
7: NR Lock #23	12-Aug-15 10:38	24.0	0	0
8: NR Lock #24	12-Aug-15 10:51	24.0	0	0
9: NR Lock #25	12-Aug-15 11:05	24.0	0	0
10: NR Lock #27	12-Aug-15 12:40	24.0	0	0
11: NR Lock #28	12-Aug-15 12:11	24.0	0	0
12: NR Lock #31	12-Aug-15 11:47	24.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Carrie Greenlaw Project Specialist

Environmental Services, Analytical

17-August-2015

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

19-May-2015

Trent-Severn Waterway (Central Sector)

Attn : Greg Stencell

**Date Rec.**: 15 May 2015 **LR Report: CA14400-MAY15** 

PO Box 567 Peterborough, ON K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			15-May-15	15-May-15
2: Analysis Start Time			11:45	11:45
3: Analysis Approval Date			19-May-15	19-May-15
4: Analysis Approval Time			09:17	09:17
5: MAC			0	0
6: NR Lock #30	14-May-15 10:35	6.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567 Peterborough, ON

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 **Copy:** #1

19-May-2015

**Date Rec.:** 15 May 2015

LR Report: CA14416-MAY15

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			15-May-15	15-May-15
2: Analysis Start Time			15:40	15:40
3: Analysis Approval Date			19-May-15	19-May-15
4: Analysis Approval Time			09:29	09:29
5: MAC			0	0
6: NR - Lock #22	15-May-15 14:37	18.0	0	0
7: NR - Lock #24	15-May-15 13:40	18.0	0	0
8: NR - Lock #25	15-May-15 13:16	18.0	0	0
9: NR - Lock #27	15-May-15 12:54	18.0	0	0
10: NR - Lock #28	15-May-15 11:10	18.0	0	0
11: NR - Lock #31	15-May-15 11:38	18.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury, Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 15 June 2015

LR Report: CA14442-JUN15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			15-Jun-15	15-Jun-15
2: Analysis Start Time			14:40	14:40
3: Analysis Approval Date			16-Jun-15	16-Jun-15
4: Analysis Approval Time			15:05	15:05
5: MAC			0	0
6: NR Lock #22	15-Jun-15 12:19	18.0	0	0
7: NR Lock #23	15-Jun-15 12:10	18.0	0	0
8: NR Lock #24	15-Jun-15 12:50	18.0	0	0
9: NR Lock #25	15-Jun-15 12:39	18.0	0	0
10: NR Lock #27	15-Jun-15 11:41	18.0	0	0
11: NR Lock #28	15-Jun-15 11:25	18.0	0	0
12: NR Lock #31	15-Jun-15 11:07	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

16-June-2015

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn: Greg Stencell

Date Rec.: 19 May 2015

LR Report: CA14465-MAY15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			19-May-15	19-May-15
2: Analysis Start Time			15:25	15:25
3: Analysis Approval Date			21-May-15	21-May-15
4: Analysis Approval Time			09:12	09:12
5: MAC			0	0
6: NR Lock #23	19-May-15 11:45	20.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

21-May-2015

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 16 June 2015

LR Report: CA14488-JUN15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			16-Jun-15	16-Jun-15
2: Analysis Start Time			15:40	15:40
3: Analysis Approval Date			18-Jun-15	18-Jun-15
4: Analysis Approval Time			10:21	10:21
5: MAC			0	0
6: NR Lock 30-Lovesick	15-Jun-15 12:40	11.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

18-June-2015

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

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**Trent-Severn Waterway (Central Sector)** 

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 25-September-2015

Date Rec.: 24 September 2015 LR Report: CA14555-SEP15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			24-Sep-15	24-Sep-15
2: Analysis Start Time			14:45	14:45
3: Analysis Approval Date			25-Sep-15	25-Sep-15
4: Analysis Approval Time			13:44	13:44
5: MAC			0	0
6: NR Lock #22	24-Sep-15 10:35	17.0	0	0
7: NR Lock #23	24-Sep-15 10:41	17.0	0	0
8: NR Lock #24	24-Sep-15 10:50	17.0	0	0
9: NR Lock #25	24-Sep-15 11:00	17.0	0	0
10: NR Lock #27	24-Sep-15 11:25	17.0	0	0
11: NR Lock #28	24-Sep-15 11:41	17.0	0	0
12: NR Lock #31	24-Sep-15 12:07	17.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 29-July-2015

Date Rec.: 27 July 2015 LR Report: CA14744-JUL15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			27-Jul-15	27-Jul-15
2: Analysis Start Time			15:10	15:10
3: Analysis Approval Date			28-Jul-15	28-Jul-15
4: Analysis Approval Time			13:45	13:45
5: MAC			0	0
6: NR - Lock 22	27-Jul-15 12:35	23.0	0	0
7: NR - Lock 23	27-Jul-15 12:46	23.0	0	0
8: NR - Lock 24	27-Jul-15 12:54	23.0	0	0
9: NR - Lock 25	27-Jul-15 13:22	23.0	0	0
10: NR - Lock 27	27-Jul-15 11:52	23.0	0	0
11: NR - Lock 28	27-Jul-15 11:38	23.0	0	0
12: NR - Lock 30	27-Jul-15 09:35	23.0	0	0
13: NR - Lock 31	27-Jul-15 11:08	23.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 29 June 2015

LR Report: CA14827-JUN15

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			29-Jun-15	29-Jun-15
2: Analysis Start Time			15:35	15:35
3: Analysis Approval Date			02-Jul-15	02-Jul-15
4: Analysis Approval Time			08:33	08:33
5: MAC			0	0
6: NR Lock #22	29-Jun-15 10:56	16.0	0	0
7: NR Lock #23	29-Jun-15 11:13	16.0	0	0
8: NR Lock #24	29-Jun-15 11:30	16.0	0	0
9: NR Lock #25	29-Jun-15 11:47	16.0	0	0
10: NR Lock #27	29-Jun-15 12:03	16.0	0	0
11: NR Lock #28	29-Jun-15 13:00	16.0	0	0
12: NR Lock #30	28-Jun-15 16:15	16.0	0	0
13: NR Lock #31	29-Jun-15 13:20	16.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

02-July-2015

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

#### 25-August-2015

Date Rec.: 24 August 2015 LR Report: CA14632-AUG15

**Copy:** #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			24-Aug-15	24-Aug-15	24-Aug-15	24-Aug-15	24-Aug-15
2: Analysis Start Time			14:40	14:40	17:41	17:41	17:41
3: Analysis Approval Date			25-Aug-15	25-Aug-15	25-Aug-15	25-Aug-15	25-Aug-15
4: Analysis Approval Time			15:13	15:13	15:49	15:49	15:49
5: MAC			0	0	0.003 <mdl< td=""><td>0.006 <mdl< td=""><td>0.006 <mdl< td=""></mdl<></td></mdl<></td></mdl<>	0.006 <mdl< td=""><td>0.006 <mdl< td=""></mdl<></td></mdl<>	0.006 <mdl< td=""></mdl<>
6: NR - Lock 22	24-Aug-15 11:46	33.0	0	0	< 0.003	0.030	0.030
7: NR - Lock 23	24-Aug-15 11:40	33.0	0	0	< 0.003	0.091	0.091
8: NR - Lock 24	24-Aug-15 11:18	33.0	0	0	< 0.003	<0.006	<0.006
9: NR - Lock 25	24-Aug-15 11:06	33.0	0	0	< 0.003	0.132	0.132
10: NR - Lock 27	24-Aug-15 10:07	33.0	0	0	< 0.003	< 0.006	<0.006
11: NR - Lock 28	24-Aug-15 09:48	33.0	0	0	0.004	0.048	0.052
12: NR - Lock 30	24-Aug-15 09:30	33.0	0	0			
13: NR - Lock 31	24-Aug-15 09:19	33.0	0	0	< 0.003	0.072	0.072

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

	T		/		
		A	7	30	
	7	(3		1	1
1			0		
Ì	LABO	RA	TOP	RY	
	-	V			

Date

Sampled:

Name of Facility

(DWS) #

Submitted By:

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-10-09

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

#### www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	HKPRDHU
	Regulation	319/08
	Total # of pages sent	3
-	# of samples sent	3
_	# of samples	2

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved:	Tech:
2015-10-09 12:20	5.0	AB	2015-10-09 12:29	SC

Report To:	Trent	Severn Waterwa	y Kirkfield Sector	ATTN: Ch	uck Wilkinson
Address:	2023 k	Kirkfield Road Kirl	field, ON. K0M 2B0	)	
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
Email Addre	ess: cl	nuck.wilkinson@p	c.gc.ca; kim.marsh	all@pc.gc.	ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After	Hours Contact Nam	e and Tel. No:	Chuck Wil	kinson 705-887-8390

Conditions/ Chuck Wilkinson Comments

Please See Below

Time	Sample		Water	Temp. Of	Laboratory		Lead	Turbidity	Α	lkalinity	рН	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	Number	>/<	μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	
	Kirkfi	eld Lock 36 #835J66E39										
08:30		2023 Kirkfield Rd.	D		L-164		2.82					
		t in the 24 hour clock for unlead to										

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Reportable Limit:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency,

N/A

For collection and handling procedures visit www.coalab.ca/watersamples.html

0.10 - 40.0

N/R = Not Received N/A = Not Applicable

COAL T

Point of Entry = E Raw Water Comsumed = RWC

Raw = R Distribution = D

Le	ad Analysis Date &	Time:	2015-12-04	Analyzed By: Ca	aduceon Audited By:	LJ	_Methodology: AA μg/L				
Turbid	dity Analysis Date &	k Time:		Analyzed By:	Audited By:		Methodology: Nephelometric NTU				
Total Alkalin	nity Analysis Date &	Time:		Analyzed By:	Audited By:		Methodology: Digital Titration mg/L as 0	CaCO <sub>3</sub>			
1	pH Analysis Date &	k Time:		Analyzed By:	Audited By:		Methodology: Electrometric pH				
	Transcri	bed By:	SS A	uthorized & Rechecked	d By: LJ/1	ГЈ	Copy Released By:		LJ/AB		
	Lab No.		Submitting Agency	@	Health Unit @		Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	
Test Methodology a	and Detection Limit										
Lead	COAL AA	Detection Li	mit 1.00 μg/L	Reportable Limit:	1 3	Methodology:	Graphite Furnace Atomic Absorption				
pH	COAL pH	Detection L	imit 4 - 10	Reportable Limit:	N/A	Methodology:	Electrometric				
Total Alkalinity	COAL Alk	Detection L	imit 10 - 4000	Reportable Limit:	N/A	Methodology:	Digital Titrator				

Methodology:

Nephelometric

Turbidity

Detection Limit

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

LABORATORY	www.coalab.ca			
Date		Twp/Town	Kawartha Lakes	
Sampled:	2015-10-09	Systems Health Unit	RMDHU	
Collected By:	Chuck Wilkinson	Regulation	318/08	
Name of	Kirkfield Sector	Total # of pages sent	3	
Facility  Drinking Water		# of samples sent	3	
(DWS) #	Please See Below	# of samples	3	

			i illai Gertilicat	e of Chemical Analysis of Water
ved:	Temp. Rec'd.	Receiver:	Date & Time Lead Preserved:	Tech:

Final Cartificate of Chamical Analysis of Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved:	Tech:
2015-10-09 12:20	5.0	AB	2015-10-09 12:29	SC

Report To:	Trent Severn Waterwa	y Kirkfield Sector	ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Submitted By: Chuck Wilkinson Comments

T:	0	<u> </u>	W-t	Temp. Of	Labaratan		Lead	Turbidity	А	lkalinity	рН	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Laboratory Number	>/<	μg/L	Turbidity NTU	>/<	mg/L as CaCO <sub>3</sub>	(at 25°C)	
		Thorah Lock 40										
11:05		33245 Durham Rd.	D		L-165	<	1.00					
		l in the 24-hour clock for unlead to										

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters.

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For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received

Raw Water Comsumed = RWC

Raw = R Distribution = D

Point of Entry = E

Lead Analysis Date & Time:	2015-12-04	Analyzed By: Caduc	ceon Audited By: LJ	Methodology: AA μg/L				
Turbidity Analysis Date & Time:		Analyzed By:	Audited By:	Methodology: Nephelometric NTU				
Total Alkalinity Analysis Date & Time:		Analyzed By:	Audited By:	Methodology: Digital Titration mg/L as C	aCO <sub>3</sub>			
pH Analysis Date & Time:		Analyzed By:	Audited By:	Methodology: Electrometric pH				
Transcribed By:	SS Au	uthorized & Rechecked By	r: LJ/TJ	Copy Released By:		LJ/AB		
Lab No.	Submitting Agency	@	Health Unit @	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	

Test Methodology and Detection Limit

1.00 µg/L Lead COAL AA Detection Limit Reportable Limit: 10.0 µg/L Methodology: Graphite Furnace Atomic Absorption Electrometric COAL pH Detection Limit 4 - 10 Reportable Limit: N/A Methodology: Total Alkalinity COAL Alk Detection Limit 10 - 4000 Reportable Limit: N/A Methodology:

Digital Titrator Turbidity COAL T Detection Limit 0.10 - 40.0 Reportable Limit: N/A Methodology: Nephelometric

Approved for ENTIRPAIL TONTARIO ANALYTICAL LABORATORY INC.

	1	A	Y	26
16	7	V E		
M			1	
r	AR		TOP	N N
1.			1	-

### Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

Date & Time Re	ceived:
2015-10-09	12:20

Receiver: AB

Temp. Rec'd.

(°C):

5.0

Date & Time Lead Preserved: Tech:

SC 2015-10-09 12:29

LABORATORY	www.coalab.ca		
Date		Twp/Town	Kawartha Lakes
Sampled:	2015-10-09	Systems Health Unit	RMDHU
Collected By:	Chuck Wilkinson	Regulation	N/A
Name of	Kirkfield Sector	Total # of pages sent	3
Facility  Drinking Water		# of samples sent	3
(DWS) #	Please See Below	# of samples received	3

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address: Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Submitted By: Chuck Wilkinson

Time	Sample		Water	Temp. Of	Laboratory		Lead	Turbidity	А	lkalinity	рН	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	Number	>/<	μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	
		Kirkfield Shop										
08:40		46 Talbot St.	D		L-163		1.03					

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Reportable Limit:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters.

N/A

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

0.10 - 40.0

N/R = Not Received N/A = Not Applicable

COAL T

Detection Limit

Turbidity

Raw = RDistribution = D Point of Entry = E Raw Water Comsumed = RWC

Lead Analysis Date & Time:		2015-12-04	Analyzed By:	Caduceon Audite	ed By: LJ	Methodology: AA μg/L					
Turbidity Analysis Date & Time:			Analyzed By:		ed By:	Methodology: Nephelometric NTU					
Total Alkalinity Analysis Date & Time:		Analyzed By:		Audite	Audited By:Methodology: Digital Titration mg/L as CaCO <sub>3</sub>		L as CaCO <sub>3</sub>				
pH Analysis Date & Time:			Analyzed By:			ed By:	Methodology: Electrometric pH				
	Transcribed By:		SS Authorized & Rechecke		ecked By:	LJ/TJ	Copy Released	Ву:	LJ/AB		
	Lab No.		Submitting A	gency @	Health U	nit @	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	
est Methodology ar	nd Detection Limit										
ead H otal Alkalinity	COAL AA COAL pH	Detection Detection	Limit 4 -	0 μg/L Reportable 10 Reportable 4000 Reportable	Limit: N/A	Methodology	: Electrometric	tion			

Methodology:

Nephelometric

	1
1	1 6/12
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			rinal certificate of Microbiolo	gical Alialysis of Dillikilig Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-05-13 14:30
2015-05-13 12:25	14.7	LJ	HPC & FS Date & Time	
			Incubated:	

Final Confidence of Missable Laborated Anabada of Baladian Water

(DWS) #	Please See Below	# of samples received	11
Drinking Water System		# 01 samples sent	11
Name of Facility	Kirkfield Sector	Total # of pages sent # of samples	3
Collected By:	Chuck Wilkinson	Regulation	319/08
Date Sampled:	2015-05-13	Twp/Town Systems Health Unit	HKPRDHU

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address: Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Conditions/ Comments

Chuck Wilkinson Submitted By:

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count

Analysis Date & Time:

				T 0		Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Temp. Of Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number			>/<	CFU/100 ml			>/<	CFU/1 ml	
	Rosec	dale Lock 35 #835J66E47																
09:45		161 Trent Canal Rd.	D						007708		0		0		0			
	•																	
09:00		2023 Kirkfield Rd.	D						007709		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
10:45		92 Talbot Dr.	D						007710		0		0		0			
	Bolso	ver Bridge 43 (Reg. N/A)																
10:25		138 Bolsover Rd.	D						007711		0		0		0			
<u> </u>																		

N/R = Not Received

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D Point of Entry = E

Raw Water Comsumed = RWC

By: Date:

2015-05-14 13:00 Enumerated By: GD Audited By: AF Analysis Date & Time: Methodology: M/F CFU/100ml Enumerated By: Audited By:

HPM = Heavy Particulate Matter

HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

F.S. and HPC require 48 hours of incubation

Copy Released By: AB/KN/AF/TW Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN

AWQI# Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 80 1 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration Background Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml M/F CFU/100 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80Reportable Limit: Performed by Membrane Filtration 1 Approved for use by TJ prior to use.

	/	$\wedge$		
			1	
1		A	139	>
16		2	11	1
M				
- 6	LABO		2001	1
	LABO	KAI	JKY	
		V		

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-05-13

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Twp/Town	Kawartha Lakes
 Systems Health Unit	RMDHD
Regulation	318/08
 Total # of pages sent	3
 # of samples sent	11

11

<b>Final Certificate</b>	of	Micro	biolog	ical	Anal	/sis	of	Drinking	Wate

				ogical final join of Diffiniting fraction
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-05-13 14:30
2015-05-13 12:25	14.7	LJ	HPC & FS Date & Time Incubated:	

F.S. and HPC require 48 hours of incubation

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson Comme

Please See Below

received

Conditions/
Comments

# of samples

		<u> </u>															
				Temp. Of	Treat	ment Infor	mation		Total Colifo			E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38															
10:55		1419 Canal Rd.	D					007704		0		0	>	200			
		Portage Lock 39															
11:15		33245 Durham Rd.	D					007705		0		0		0			
		Thorah Lock 40															
11:20		33245 Durham Rd.	D					007706		0		0		10			
	G	Samebridge Lock 41															
11:50		33235 Durham Rd.	D					007707		0		0	>	200		•	

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

Raw Water Comsumed = RWC

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

HPC = Heterotrophic Plate Count

F.S. & Faecal Strep. = Faecal Streptococcus

Distribution = D Point of Entry = E

Analysis Date & Time: 2015-05-14 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml

HPM = Heavy Particulate Matter

\_\_\_\_\_

Analysis Date & Time: \_\_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

.,	· -			···· ,	····· ,								
Transcrib	oed By: S	<u>T</u>		Authorized & Recheck	ked By: LJ/TJ/KN	Copy Released By	: AB/KN/AF/T	W			_		
	Lab No.	007704 007707	Submitting Agency @	courtesy notice	Health Unit @	N/A Spills Action Centre (SAC) @	N/A	AWQI#_	N/A	By:	GD	Date:	2015-05-14
Test Methodology and	Detection Limit												
Total Coliform.	COAL Endo	Detection Li	mit 0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml						
Total Coliform	COAL DC	Detection Li	mit 0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml						
. coli	COAL DC	Detection Li	mit 0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml						
Background	COAL Endo	Detection Li	mit 0 - 200	Indicates Deterioration	>200	Performed by Membrane Filtration	M/F CFU/100 ml						
Background	COAL DC	Detection Li	mit 0 - 200	Indicates Deterioration	>200	Performed by Membrane Filtration	M/F CFU/100 ml						
HPC	COAL HPC	Detection Li	mit 10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration	: >500	Performed by Spread Plate	SP CFU/1 ml						
aecal Streptococcus	COAL FS	Detection Li	mit 0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml						

N/R = Not Received

Approved for use by TJ prior to use.

Date Sampled:

Collected By:

**Drinking Water System** 

Name of Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON 13V 6H4

2015-05-13

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<u> 5.ca</u>		
	Twp/Town Systems	Kawartha Lakes
5-05-13	Health Unit	RMDHD
ck Wilkinson	Regulation	N/A
iald Castan	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples	

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-05-13 14:30
2015-05-13 12:25	14.7	LJ	HPC & FS Date & Time Incubated:	

Report To:	Trent S	Severn Waterway Kir	kfield Sector	ATTN: Ch	huck Wilkinson	
Address:	2023 K	Kirkfield Road Kirkfield,	ON. K0M 2B0			
elephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email	
mail Addre	ess: ch	nuck.wilkinson@pc.gc	.ca; kim.marsha	ll@pc.gc.d	.ca; nicole.hamilton@pc.gc.ca	
					· •	

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Time sampled for Bridge 50 as per Chuck 2015-05-14 @ 13:50 AF Submitted By: Chuck Wilkinson Comments

received

				Temp. Of	 Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44															
10:30		34223 Mara Eldon Boundary Rd.	D					007712		0		0		0			
		Bridge 50															
12:00		1202 Ramara Rd. Lakeshore	D					007713		1		1		0			
		Kirkfield Shop															
09:20		46 Talbot St.	D					007714		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

ST

Distribution = D Point of Entry = E

Raw = R

Raw Water Comsumed = RWC F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation

Analysis Date & Time: 2015-05-14 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/KN/AF/TW Lab No. 007713 Submitting Agency @ 13:50 - Chuck Health Unit @ N/A Spills Action Centre (SAC) @ N/A AWQI# N/A By: AF Date: 2015-05-14

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml E. coli COAL DC Performed by Membrane Filtration Detection Limit 0 - 60 Reportable Limit: 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 SP CFU/1 ml HPC COAL HPC Detection Limit Indicates Deterioration: >500 Performed by Spread Plate 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

TE .
A Pin
LABORATORY

Time

Sampled

08:30

08:00

09:15

09:05

Sample

Identifier

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

		Final	<b>Certificate of Microbiolog</b>	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-03 12:00
2015-06-03 11:10	11.7	AB	HPC & FS Date & Time Incubated:	

Date Sampled:	2015-06-03	Twp/Town Systems Health Unit	HKPRDHU	Report To: Trent Severn Waterway Kirkfield	Sector ATTN: Ch	uck Wilkinson
Collected By:	Chuck Wilkinson	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. K	.0M 2B0	
Name of	Kirkfield Sector	Total # of pages sent	3	Telephone: 705 438-3153	Ext:	Fax: 705-
Facility  Drinking Water St		# of samples sent	11	Email Address: chuck.wilkinson@pc.gc.ca; kim	.marshall@pc.gc.c	a; nicole.hamilto
(DWS) #	Please See Below	# of samples received	11	"Live Person" After Hours Contact Name and Tel. No	: Chuck Wilki	nson 705-887-8

Kirkfield, ON. K0M 2B0 Fax: 705-438-5201 + Scan & Email pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

0

0

Conditions/ Submitted By: Chuck Wilkinson Comments

Rosedale Lock 35 #835J66E4

Kirkfield Lock 36 #835J66E3

Bolsover Lock 37 #835J66E2

Bolsover Bridge 43 (Reg. N/A)

Identification of Collection

161 Trent Canal R

2023 Kirkfield Rd

92 Talbot Dr.

		Temp. Of		Treatr	ment Inforn	nation			tal Coliform		E. coli	В	ackground		HPC	
ion Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
47																
Rd.	D						009161		0		0		0			
<b>E39</b>																
ld.	D						009162		0		0		0			
21																
	D						009163		0		0		1			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

138 Bolsover Rd.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

D

N/R = Not Received

0

Point of Entry = E F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Analysis Date & Time: 2015-06-04 10:30 Enumerated By: CS Audited By: LJ Methodology: M/F CFU/100ml Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/HM/SS Lab No. \_\_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # By: Date:

009164

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml HPC >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

LABORATORY

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia. ON L3V 6H4

2015-06-03

Chuck Wilkinson

Kirkfield Sector

Please See Below

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
_	# of samples sent	11
	# of samples	11

Final Certificate of Microbiological Analysis of Drinking Water

				rear ranaryers or Ermanig reason
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-03 12:00
2015-06-03 11:10	11.7	AB	HPC & FS Date & Time Incubated:	

Report To: Trent Se	evern Waterway	Kirkfield Sector	ATTN: Chuck Wilkinson
---------------------	----------------	------------------	-----------------------

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Submitted By: Chuck Wilkinson

				Temp. Of		Treatr	ment Inform	nation		To	tal Coliform		E. coli	Background		HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number		CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38																
09:30		1419 Canal Rd.	D						009157		0		0		1			
		Portage Lock 39	,															
09:45		33245 Durham Rd.	D						009158		0		0		0			
		Thorah Lock 40																
09:50		33245 Durham Rd.	D						009159		0		0		0			
	G	amebridge Lock 41																
10:00		33235 Durham Rd.	D						009160		0		0		0			

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html
F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM =

Approved for use by TJ prior to use.

HPM = Heavy Particulate Matter N/R = Not Received

E.S. and HPC require 48 hours of incubation

Point of Entry = E
Raw Water Comsumed = RWC

Analysis Date & Time:	2015-06-04 10:30	Enumerated By: CS	Audited By: LJ	Methodology: M/F CFU/100ml				
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS	Methodology: M/F CFU/100ml			
Transcribed By:	ST	Authorized & Rech	necked By: LJ/TJ/KN	Copy Released By: _	LJ/AB/HM/SS			
Lab No.	Submitting A	Agency @	Health Unit @	Spills Action Centre (SAC) @	AWQI #	Ву:	Date:	
Methodology and Detection Li	mit							

0 - 80 M/F CFU/100 ml Total Coliform. COAL Endo Detection Limit Reportable Limit: Performed by Membrane Filtration Total Coliform 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 1 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 >200 COAL DC Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background >200 COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml COAL FS Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Faecal Streptococcus 0 - 80

LABORATORY

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-06-03

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
5-06-03	Systems Health Unit	RMDHD
ck Wilkinson	Regulation	N/A
ield Sector	Total # of pages sent	3
ieid Secioi	# of samples sent	11
Please See Below	# of samples	11

Final Certificate of Microbiological Analysis of Drinking Water

		a.	continuate of mileropierogi	our randigold of Britishing tracer
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-03 12:00
2015-06-03 11:10	11.7	AB	HPC & FS Date & Time Incubated:	

2023 Kirkfield Road Kirkfield, ON, K0M 2B0 Address:

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Chuck Wilkinson Submitted By:

				Temp. Of		Treatment Informatio		nation		To	tal Coliform		E. coli		ackground	HPC		
Time Sample Sampled Identifier		Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																
09:10		34223 Mara Eldon Boundary Rd	D						009165		0		0		0			
		Bridge 50																
10:50		1202 Ramara Rd. Lakeshore	D						009166		0		0		1			
		Kirkfield Shop																
08:05		46 Talbot St.	D						009167		0		0		0			

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Distribution = D COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

F.S. and HPC require 48 hours of incubation

For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time: 2015-06-04 10:30 Enumerated By: CS Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/HM/SS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

N/R = Not Received

Tost Mathadalagy and Dataction Limit

rest intellibuology and L	election Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL ES	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFI I/100 ml

Approved for use by TJ prior to use. Page 1 of 1

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1	1 6/12
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			Final Certificate of Microbiole	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-19 12:00
2015-06-19 11:18	11.5	AB	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	11
Drinking Water Sy	rstem	sent	11
Name of Facility	Kirkfield Sector	Total # of pages sent # of samples	3
Collected By:	Sterling Schueitzer	Regulation	319/08
Sampled:	2015-06-19	Systems Health Unit	HKPRDHU
Date		Twp/Town	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

F.S. and HPC require 48 hours of incubation

N/A

AWQI#

Conditions/ Comments

Submitted By: Sterling Schueitzer

				Temp. Of		Treat	ment Inforr	mation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	e Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Rosedale Lock 35 #835J66E47																		
08:30			D						010426		0		0		0			
	Kirkfie																	
08:20			D						010427		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
09:20			D						010428		0		0	^	200			
	Bolsover Bridge 43 (Reg. N/A)																	
08:51			D						010429		0		0		0			
		sidered DISTRIBUTION cample																

N/R = Not Received

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D

For collection and nandling procedures visit www.coalab.ca/watersamples.ntml

F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

Point of Entry = E

Raw Water Comsumed = RWC

HM Date: 2015-06-20

Analysis Date & Time: 2015-06-20 11:15 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HM Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/LJ/KN

010428 Submitting Agency @ courtesy notice Health Unit @ N/A Spills Action Centre (SAC) @ N/A Lab No. Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 0 - 80Approved for use by TJ prior to use.

Final Certficate, PITA 102, 1503, Revision 1.4

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Name and	more	77	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Date & Time Received:	remp. Recid.	Receiver:	Date & Tir
2015-06-19 11:18	11.5	AB	HPC & FS Incubated
			•

		F	inal Certificate of Microbiol	ogical Analysis of Drinking Water
Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-19 12:00
19 11:18	11.5	AB	HPC & FS Date & Time	
19 11.10	11.5	AD	Incubated:	

Date Sampled:	2015-06-19	Twp/Town Systems Health Unit	Kawartha Lakes	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
Collected By:		Regulation		Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0
Name of	Kirkfield Sector	Total # of pages sent	3	Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email
Facility  Drinking Water System		# of samples sent	11	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca
(DWS) #	Please See Below	# of samples received	11	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

Conditions/ Portage Lock 39 + Gamebridge Lock 41 times transferred off of bottles submitted. AB Comments

				Temp. Of		Treat	tment Inforr	mation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other			Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38																
09:34			D						010422		0		0		23			
														·				
		Portage Lock 39																
09:45			D						010423		0		0		0			
		Thorah Lock 40																
09:49			D						010424		0		0		0			
														·				
	O																	
10:00			D						010425		0		0	·	0			
		idored DISTRIBUTION camples																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handler.S. & Faecal Strep. = Faecal	0.	isit www.coalab.ca/w HPC = Heterotrophic	•	1 = Heavy Particulate Matter		N/R = Not Received	F.S.	and HPC require 48 hours of in	ncubation	Point of Entry = E Raw Water Comsumed = RWC
Analysis Date &	Time:	2015-06-20 11:15	Enumera	ted By: HM	Audited By: LJ	Methodology: M/F CFU/100ml	l			
Analysis Date &	Time:		Enumera	ted By:	Audited By:	HPC Methodology: SP CFU/1	ml; FS Methodology	: M/F CFU/100ml		
Transcribe	ed By: ST			Authorized & Reched	cked By: LJ/TJ/KN	Copy Release	ed By: HM/LJ/KN			_
	Lab No.	Subm	itting Agency @		Health Unit @	Spills Action Centre (SAC	:) @	AWQI#	By:	Date:
Test Methodology and D	Detection Limit									
Total Coliform.	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration	n: >200	Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration	n: >200	Performed by Membrane Filtration	M/F CFU/100 ml			
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration	n: >500	Performed by Spread Plate	SP CFU/1 ml			
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			Final Cartinata DITA 400 44

	^		
T			
2/3	1	12	
11	P	18	2
///		1/1	1
		2/1	
LAB		ORY	
-	5077		2.

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-06-19

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<u>0.0a</u>		
	Twp/Town	Kawartha Lakes
5-06-19	Systems Health Unit	RMDHD
	Regulation	N/A
iald Cantan	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples	

11

<b>Final Certificate</b>	of	Micro	biolog	ical	Anal	/sis	of	Drinking	Wate

			mai ou timouto oi miorobioi	ogiour / maryolo or Drinking Trator
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-19 12:00
2015-06-19 11:18	11.5	AB	HPC & FS Date & Time Incubated:	

	Report To:	Trent :	Severn Water	way Kirkfield Sector	ATTN: Ch	huck Wilkinson
-	Address:	2023 K	(irkfield Road K	Kirkfield, ON. K0M 2B0		
1	Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Emai

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

Conditions/ Bridge 50 time sampled transferred off of bottle submitted. AB Comments

		·		Temp. Of	 Treat	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Bridge 44																
09:06			D					010430		0		0		0			
		Bridge 50															
10:25			D					010431		0		0		25			
		Kirkfield Shop															
08:12			D					010432		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

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Raw = R

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Distribution = D Point of Entry = E

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received

Raw Water Comsumed = RWC F.S. and HPC require 48 hours of incubation

2015-06-20 11:15 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/LJ/KN Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date: Lab No. Submitting Agency @

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml M/F CFU/100 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration

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	LABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-06-29

Ellie Wright

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

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	Twp/Town	
5-06-29	Systems Health Unit	HKPRDHU
llie Wright	Regulation	319/08
iald Caston	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples received	11

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-29 12:00
2015-06-29 11:20	8.9	AB	HPC & FS Date & Time Incubated:	

#### Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Ellie Wright Submitted By:

				Town Of		Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Temp. Of Sample (°C/°F)	U.V.	Other	<sub>T</sub>	Free Cl <sub>2</sub> (mg/L)	Laboratory Number		CFU/100 ml	>/<				>/<		
	Rosed	ale Lock 35 #835J66E47																
08:55		161 Trent Canal Rd.	D						010977		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																
08:05		2023 Kirkfield Rd.	D						010978		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
09:50		92 Talbot Dr.	D						010979		0		0		12			
	Bolso	ver Bridge 43 (Reg. N/A)																
09:33		138 Bolsover Rd.	D						010980		0		0		0			

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Raw = R Distribution = D

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml Analysis Date & Time: 2015-06-30 10:30 Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/TW/KN

Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Submitting Agency @ Date:

Test Methodology and Detection Limit

cot methodology and be	COULDIT EITHE						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 r
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 r
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 r
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 r
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 r
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
aecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 r

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1	ABO	RA	TOR	Y	

Date

Sampled:

Facility

(DWS) #

Collected By: Name of

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-06-29

Ellie Wright

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

#### www.coalab.ca

Twp/Town	Kawartha Lakes
 Systems Health Unit	RMDHD
Regulation	318/08
Total # of pages sent	3
 # of samples	11

11

Final Certificate of Microbiological Analysis of Drinking Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-29 12:00
2015-06-29 11:20	8.9	AB	HPC & FS Date & Time Incubated:	

n & Email
<u>1</u> 8

Conditions/ Comments

# of samples

Ellie Wright Submitted By:

		<u> </u>		Temp. Of	Treat	ment Inforr	mation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38															
10:05		1419 Canal Rd.	D					010981		0		0		0			
	-	Portage Lock 39	_														
10:17		33245 Durham Rd.	D					010982		0		0		0			
		Thorah Lock 40															
10:22		33245 Durham Rd.	D					010983		0		0		0			
	G	amebridge Lock 41															
10:30		33235 Durham Rd.	D					010984		0		0		0			
		idered DISTRIBUTION samples u															

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Distribution = D

Point of Entry = E Raw Water Comsumed = RWC

Raw = R

2015-06-30 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/TW/KN

Health Unit @ AWQI# By: \_\_\_\_ Date: \_\_\_\_ Lab No. Submitting Agency @ Spills Action Centre (SAC) @

Test Methodology and Detection Limit Total Coliform. COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit Indicates Deterioration: Background 0 - 200 >200 COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml >500

Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80

CENTRAL	<b>ONTARIO</b>	<b>ANALYTICAL</b>	LABORATORY	INC.
---------	----------------	-------------------	------------	------

CENTRAL	. ONTARIO ANALYTICA 4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) www.coalab.ca		
Date Sampled:	2015-06-29	Twp/Town Systems	_
Collected By:	Ellie Wright	Health Unit Regulation	_
Name of	_	Total # of	

Kirkfield Sector

Please See Below

Facility

(DWS) #

**Drinking Water System** 

			iai cei illicate di Wilcidbiolo	gical Alialysis of Dillikilig Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-29 12:00
2015-06-29 11:20	8.9	AB	HPC & FS Date & Time Incubated:	

N: Chuck Wilkinson
Fax: 705-438-5201 + Scan & Email
pc.gc.ca; nicole.hamilton@pc.gc.ca
ck Wilkinson 705-887-8390

Conditions/ Submitted By: Ellie Wright Comments

		<u> </u>															
		_		Temp. Of	Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44															
10:00		34223 Mara Eldon Boundary Rd.	D					010985		0		0		0			
		Bridge 50															
10:37		1202 Ramara Rd. Lakeshore	D					010986		0		0		0			
		Kirkfield Shop															
08:00		46 Talbot St.	D					010987		0		0		0			
		<u>-</u>															
		·															
		danad DICTRIBUTION commission															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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Raw = RDistribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Final Cartificate of Microbiological Analysis of Drinking Water

Analysis Date & Time: 2015-06-30 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Enumerated By: Audited By: Analysis Date & Time:

SS Copy Released By: AB/TW/KN Transcribed By: Authorized & Rechecked By: LJ/TJ/KN

Spills Action Centre (SAC) @ AWQI # By: Lab No. Submitting Agency @ Health Unit @

N/R = Not Received

Test Methodology and Detection Limit COAL Endo Detection Limit M/F CFU/100 ml Total Coliform 0 - 80 Reportable Limit: Performed by Membrane Filtration Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: M/F CFU/100 ml 1 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL Endo Detection Limit Performed by Membrane Filtration M/F CFU/100 ml Background 0 - 200 Indicates Deterioration: >200 Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use. Page 1 of 1 HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Reportable Limit: 10 - 80 ml/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4 Page 1 of 1

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	LABORATORY

Faecal Streptococcus COAL FS Detection Limit

0 - 80

Reportable Limit:

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

		Final	Certificate of Microbiolo	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-07 11:30
2015-07-07 10:40	11.4	AB	HPC & FS Date & Time Incubated:	

	Tal: /7	OE) 226 0205 Eav. (705	1 22	2 0216							( )	·):							
Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca							2015-07-	07 10:40	11		ΑВ	HPC & FS Incubated:	Date	& Time					
	<u></u>	,						7						incubateu.					
Date		2015-07-07		o/Town stems						rant Savarn Wa	40 514	ov Kirkfiola	600	tor ATTNL	^h	ık Wilkinger	_		
Sampled:		2015-07-07		lth Unit	HKPI	RDH	U	_		rent Severn Wa		•			Shuc	K WIIKIIISOI	<u></u>		
Collected By:		Shawn Finn	Reg	ulation	319	9/08		Add	ress: 20	023 Kirkfield Roa	ad Kii	rkfield, ON. ł	(OM	2B0					
Name of				tal # of		1		Tele	phone:	705 438-3153				Ext:		Fax: 705	-438-	-5201 + Scan	ı & Email
Facility		Kirkfield Sector		es sent samples		1		Ema	ail Address	: chuck.wilkins	on@	ne de car kin	n ma	rshall@nc.nc	ca.	nicole hamilt	n @ r	oc ac ca	
Drinking Water	r System			sent		1		_											
(DWS) #		Please See Below		samples ceived		1		"Live	e Person"	After Hours Conta	ct Nar	me and Tel. N	0:	Chuck Wi	lkins	on 705-887-8	3390		
Submitted By:		Shawn Finn		nditions/ omments	Informat for lead t				of lead ch	ain of custody for	orm a	as per Kim te	I AB	@ 10:30 20	15-07	7-07 sample	is for	bacteriologic	al not
					Temp. Of		Treatn	nent Infor	mation		To	otal Coliform		E. coli	E	Background	$\overline{}$	HPC	
	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	7	Laboratory Number		CFU/100 ml	>/<	CFU/100 ml		Ĭ	>/<		
					, ,		U	,	( 0 ,		1						$\vdash$		
-											-						₩		-
	IZ:l-f:	I-L I- 00 #005 I00500									-		<u> </u>				₩		1
	Kirktie	ld Lock 36 #835J66E39		T													<u> </u>		
08:50		2023 Kirkfield Rd.		D						011671		0		0		0			
+											1						<del>                                     </del>		
<del>                                     </del>											1								
All samples wi	ill be cons	sidered DISTRIBUTION samp	alae i	inless oth	arwise ind	icato	d										<u> </u>		<u> </u>
All times are tr Analysis performe the following inor COAL accepts no For collection and	ranscribed ed by qualif rganic and p o responsible d handling p	d in the 24-hour clock for up ied analysts. Results relate only hysical parameters: pH, turbidity, lity for parameters selected, misi procedures visit www.coalab.ca/w ptococcus HPC = Heterotrophic F	load to the and a dentificaters	to the Min aliquot subralkalinity. cation of sa amples.html	nistry of the mitted. Sam mples or inc	e Env ples h	vironm nave be quantit	en analyze	ed as receive	ed. COAL is accred	lited by	SCC and licen	•	MOE in these		ic microbiologic			Raw = R Distribution = D Point of Entry = E Comsumed = RWC
Analysis Da	ate & Time	2015-07-08 10:00		Enumerate	ed By:	D	Auc	lited By: _	CS	Methodology: N	//F CF	FU/100ml							
		::		Enumerate	ed By:		Auc	lited By:		HPC Methodolo	ogy: S	SP CFU/1ml; F	S Me	thodology: M/F	CFL	J/100ml			
Tran	scribed By	r:SS		A	uthorized &	Recl	hecked	By: <u>LJ/</u> T	TJ/KN		Copy	Released By:	G	D/AB				_	
	Lal	No. Submitti	ng Ag	gency @			H	lealth Uni	t @	Spills Actio	n Cen	itre (SAC) @		AW	QI#		Ву: _	Date:	
Test Methodology Total Coliform Total Coliform E. coli Background Background HPC	y and Detect Ci Ci Ci Ci Ci	·	0 - 80 0 - 80 0 - 60 0 - 20 0 - 20	0 0 0 0	Reportable Reportable Reportable Indicates D Indicates D	Limit Limit Limit Deterio	: :: :: oration: oration:	1 1 1 >	Pe   Pe   Pe  -200 Pe	erformed by Membra erformed by Membra erformed by Membra erformed by Membra erformed by Membra erformed by Spread	ine Filt ine Filt ine Filt ine Filt ine Filt	rration M rration M rration M rration M	//F CF //F CF //F CF //F CF //F CF	FU/100 ml FU/100 ml FU/100 ml FU/100 ml FU/100 ml U/1 ml			_		

Approved for use by TJ prior to use. Page 1 of 1

Performed by Membrane Filtration

M/F CFU/100 ml

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

		rınaı	Certificate of wilcrobiolog	ical Analysis of Drinking wate
Date & Time Received:	Temp. Rec'd.	Receiver:	Date & Time Incubated:	2015-07-08 14:30
2015-07-08 12:14	11.7	МН	HPC & FS Date & Time Incubated:	

LABORATORY	www.coalab.ca			2015-07-08 12:14 11.7 IVID Incubated:
Date Sampled:	2015-07-08	Twp/Town Systems Health Unit	HKPRDHU	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
Collected By:	Shawn Finn	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0
Name of	Winkind Contor	Total # of pages sent	1	Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email
	acility Kirkfield Sector rinking Water System		1	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca
(DWS) #	Please See Below	# of samples received	1	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390
Submitted By:	Cortis Peulcon	Conditions/ Comments	Resample - Transfel	red from incorrect C of C submitted.

Time	Sample	_	Water				ment Inforr		Laboratory	To	tal Coliform		E. coli	В	ackground		HPC	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Kirkfield Lock 36 #835J66E39																	
10:10	SF	Lock 36 2023 Kirkfield Rd	D						012031		0		0		0			
		sidered DISTRIBUTION samples																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Point of Entry = E

Analysis Date & Time: 2015-07-09 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/AF/KN/HM 
 Lab No.
 Submitting Agency @
 Health Unit @
 Spills Action Centre (SAC) @
 AWQI #
 By:
 Date:

Test Methodology and De	tection Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Approved for use by TJ prior to use. Page 1 of 1

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K	3	4	1	

Submitted By:

11:20

11:35

08:25

Nitrate + Nitrite

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Ellie Wright

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

		Twp/Town	Kawartha Lakes
Date Sampled:	2015-07-15	Systems	
Campion	20.00.10	Health Unit	HKPRDHU
Collected By:	Ellie Wright	Regulation	N/A
Name of	Kirkfield Contor	Total # of pages sent	2
Facility Kirkfield Sector  Drinking Water System (DWS) #		# of samples sent	11
		# of samples received	11

Final Certificate of Nitrate and Nitrite A	nalysis of Watei	ſ

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:
2015-07-15 12:27	21.0	MH

Report To: Trent Severn Waterway ATTN: Chuck Wilkinson

2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0 Address:

Fax: 705-438-5201 + Scan & Email Telephone: 705 438-3153 Ext:

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

0.154

0.088

0.240

0.010

0.010

0.040

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Conditions/ Comments

Treatment Information Temp. Of Nitrate as N Nitrite as N Nitrate + Nitrite as N Time Water Sample Laboratory Other Sample Free Cl<sub>2</sub> Identification of Collection Site Total Cl<sub>2</sub> J. V. Sampled Identifier Type Number >/< >/< mg/L mg/L mg/L (°C/°F) (mg/L) (mg/L) 08:35 Lock 36 2023 Kirkfield Rd - Kirkfield Ε SFA-208 0.122 < 0.010 0.122 Ε 09:20 Lock 35 161 Trent Canal Rd - Rosedale SFA-209 0.048 < 0.010 0.048 Ε 10:05 SFA-210 0.047 < 0.010 0.047 Bridge 43 138 Bolsover Rd - Bolsover 10:20 Е SFA-211 0.010 0.010 0.010 Bridge 44 34223 Mara Eldon Boundary Rd < 10:25 Е SFA-212 0.033 0.010 0.033 Lock 37 92 Talbot Dr - Bolsover < 10:40 Ε SFA-213 0.164 0.010 0.164 Lock 38 1419 Canal Rd - Talbot < 11:05 Ε SFA-214 0.075 < 0.010 0.075 Lock 39 33245 Durham Rd - Portage Ε 11:20 Lock 40 33245 Durham Rd - Thorah SFA-215 0.057 < 0.010 0.057

SFA-216

SFA-217

SFA-218

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

0.010 mg/L

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Reportable Limit:

For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received

Lock 41 33235 Durham Rd - Gamebridge

Bridge 50 1202 Ramara Rd. - Beaverton

Kirkfield Shop

Detection Limit

N/A = Not Applicable

Analysis Date & Time: 2015-07-17 13:30 Analyzed By: TW Audited By: TJ Methodology: SFA mg/L Copy Released By: HM/AB Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Parameter: Submitting Agency @ H.U. @ SAC @ AWQI# By: Test Methodology (SFA) and Detection Limit Nitrate COAL N **Detection Limit** 0.010 mg/L Reportable Limit: 10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2) COAL N Nitrite **Detection Limit** 0.010 mg/L Reportable Limit: Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2) 1.0 mg/L Methodology: COAL N 10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2)

0.154

0.088

0.280

Raw - R

Distribution = D

Point of Entry = E

Raw Water Comsumed = RWC

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		FIIIai	Certificate of Microbiologi	cal Alialysis of Dilliking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-15 13:30
2015-07-15 12:27	21.0	1.1	HPC & FS Date & Time	
2010-07-10 12.27	21.0	LU	Incubated:	

	WWW.ocalab.ca				incubateu.	
Date Sampled:	2015-07-15	Twp/Town Systems Health Unit	HKPRDHU	Report To: Trent Severn Waterway Kirkfield Se	ector ATTN: Ch	uck Wilkinson
Collected By:	Ellie Wright	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. KON	/ 2B0	
Name of	Kirkfield Coctor	Total # of pages sent	3	Telephone: 705 438-3153	Ext:	Fax: 705-
Facility Kirkfield Sector  Drinking Water System		# of samples sent	11	Email Address: chuck.wilkinson@pc.gc.ca; kim.m	arshall@pc.gc.c	a; nicole.hamilto
(DWS) #	Please See Below	# of samples received	11	"Live Person" After Hours Contact Name and Tel. No:	Chuck Wilkin	nson 705-887-8

field Road Kirkfield, ON. K0M 2B0 Fax: 705-438-5201 + Scan & Email 38-3153 Ext: k.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca urs Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

SP CFU/1 ml

M/F CFU/100 ml

Conditions/ Submitted By: Ellie Wright Comments

				Temp. Of	Treat	ment Inform	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Roseda	ale Lock 35 #835J66E47															
09:20		161 Trent Canal Rd.	D					012553		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39															
08:35		2023 Kirkfield Rd.	D					012554		0		0		0			
	Bolsov	ver Lock 37 #835J66E21															
10:25		92 Talbot Dr.	D					012555		0		0		120			
	Bolsov	ver Bridge 43 (Reg. N/A)															
10:05		138 Bolsover Rd.	D					012556		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Indicates Deterioration:

Reportable Limit:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

>500

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

10 - 2.00 x 10<sup>3</sup>

0 - 80

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

Detection Limit

Detection Limit

Point of Entry = E

F.S. & Faecal Strep. = Faecal	Streptococcus	HPC = Heterotrophic	Plate Count HPN	I = Heavy Particulate Ma	tter	N/R = Not Received	F.S. and HPC re	quire 48 hours of incubation	Raw Water Comsumed = RWC
Analysis Date & T	ime: 2	015-07-16 11:45	Enumerat	ted By: CS	Audited By: GD	Methodology: M/F CFU/100m	I		
Analysis Date & T	īme:		Enumerat	ted By:	Audited By:	HPC Methodology: SP CFU/1	ml; FS Methodology: M/F	CFU/100ml	
Transcribed	By: ST		A	Authorized & Reche	ecked By: LJ/TJ/KN	Copy Release	d By: GD/AB/ST/HM		_
	Lab No.	Submit	ting Agency @		Health Unit @	Spills Action Centre (SAC	) @ AWQI	# By:	Date:
Test Methodology and De	etection Limit								
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deteriora	ation: >200	Performed by Membrane Filtration	M/F CFU/100 ml		
Background	COAL DC	Detection Limit	0 - 200	Indicates Deteriora	ation: >200	Performed by Membrane Filtration	M/F CFU/100 ml		

Performed by Spread Plate

Performed by Membrane Filtration

Approved for use by TJ prior to use

Faecal Streptococcus

COAL HPC

COAL FS

Final Certficate, PITA 102, 1503, Revision 1.4

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	LABOR	ATORY	
		/	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiologi	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-15 13:30
2015-07-15 12:27	21.0	LJ	HPC & FS Date & Time Incubated:	

Date		Twp/Town	Kawartha Lakes
Sampled:	2015-07-15	Systems Health Unit	RMDHD
Collected By:	Ellie Wright	Regulation	318/08
Name of	Kirkfield Sector	Total # of pages sent	3
Pacility  Drinking Water S		# of samples sent	11
(DWS) #	Please See Below	# of samples received	11

Report To:	Trent Severn Waterway Kirkfield Sect	or ATTN:	Chuck Wilkinson
Address:	2023 Kirkfield Road Kirkfield, ON. K0M 2	2B0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addr	ess: chuck.wilkinson@pc.gc.ca; kim.mar	shall@pc.g	c.ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After Hours Contact Name and Tel. No:	Chuck W	ilkinson 705-887-8390

Ellie Wright Submitted By:

Conditions/ Comments

				Temp. Of	Treat	ment Inforr	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	1	Free Cl <sub>2</sub> (mg/L)	Laboratory Number		CFU/100 ml	>/<				>/<	CFU/1 ml	
		Talbot Lock 38															
10:40		1419 Canal Rd.	D					012557		0		0		0			
		Portage Lock 39	•														
11:05		33245 Durham Rd.	D					012558		0		0		0			
		Thorah Lock 40															
11:20		33245 Durham Rd.	D					012559		0		0		0			
	G	amebridge Lock 41															
11:20		33235 Durham Rd.	D					012560		0		0		0			

N/R = Not Received

Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Lab No.

Approved for use by TJ prior to use.

Submitting Agency @

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D Point of Entry = E

Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time: 2015-07-16 11:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml

Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/ST/HM

Test Methodology and Detection Limit Total Coliform. COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml >200 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit M/F CFU/100 ml 0 - 80 Reportable Limit: Performed by Membrane Filtration

Final Certficate, PITA 102, 1503, Revision 1.4

F.S. and HPC require 48 hours of incubation

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		Final	Certificate of Microbiolog	gical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-15 13:30
2015-07-15 12:27	21.0	LJ	HPC & FS Date & Time Incubated:	

Sampled: 2015-07-15 Systems		/	
Sampled: 2015-07-15  Systems Health Unit RMDHD  Collected By: Ellie Wright Regulation N/A  Name of Facility Kirkfield Sector for samples	WS) #		
Sampled: 2015-07-15  Systems Health Unit RMDHD  Collected By: Ellie Wright Regulation N/A  Name of Total # of pages sent 3	· · · · · · · · · · · · · · · · · · ·		
Sampled: 2015-07-15 Systems Health Unit RMDHD		pages sent 3	
Sampled: 2015-07-15 Systems	llected By:	ht Regulation N/A	
Date Twp/Town Kawartha La	mpled:		
w .	ite	Twp/Town Kawartha Lak	es

Report To:	Trent Severn Waterway Kirkfield	Sector ATTN: Ch	nuck Wilkinson
Address:	2023 Kirkfield Road Kirkfield, ON. K	0M 2B0	
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Addr	ess: chuck.wilkinson@pc.gc.ca; kim	.marshall@pc.gc.d	ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After Hours Contact Name and Tel. No	: Chuck Wilk	inson 705-887-8390
Email Addr	ess: chuck.wilkinson@pc.gc.ca; kim	.marshall@pc.gc.c	ca; nicole.hamilton@pc.gc.ca

Ellie Wright Submitted By:

Conditions/ Comments

		_		Temp. Of	L	Treat	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44																
10:20		34223 Mara Eldon Boundary Rd	D						012561		0		0		0			
		Dridge 50																
		Bridge 50																
11:35		1202 Ramara Rd. Lakeshore	D						012562		0		0		0			
		Kat Cat LOL																
		Kirkfield Shop																
08:25		46 Talbot St.	D						012563		0		0		0			
		sidered DISTRIBUTION samples u		<u> </u>														

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Raw = R

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Distribution = D Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Analysis Date & Time: 2015-07-16 11:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Analysis Date & Time:	Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS	Methodology: M/F CFU/100	0ml	
Transcribed By: ST	Authorized 8	Rechecked By: LJ/TJ/KN	Copy Released By:	GD/AB/ST/HM		
Lab No.	Submitting Agency @	Health Unit @	Spills Action Centre (SAC) @ _	AWQI#	By:	Date:

Test Methodology and De	etection Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

		Final	Certificate of Microbiolog	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-28 14:10
2015-07-28 12:40	8.4	AB	HPC & FS Date & Time	

LABORATORY		705) 326-8285  Fax: (705 <sub>)</sub> <u>coalab.ca</u>	) 326-	9316					2015-07-2	28 12:40	8.		В	HPC & FS I	Date 8	& Time			
Date Sampled:		2015-07-28	Twp/T	ems	LIKE	DDI.		Rep	ort To: <b>Tr</b>	ent Severn Wa	iterw	ay Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinsor	1		
			Health	n Unit	HKPI		U	Add		23 Kirkfield Roa		-							
Collected By:		Ellie Wright	Regul		319	9/08		_	Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Er										. 9. Г. m. s.il
Name of Facility		Kirkfield Sector	pages	sent		2			·										& Email
Drinking Wa		Turranoia Cootor	# of sai			8		Ema	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca										
(DWS) #		Please See Below	# of sai			8		"Live	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390										
				ditions/	'	0													
Submitted By	r:	Ellie Wright		nments															
<b>-</b>				144.4	Temp. Of		Treat	ment Infor	mation		To	otal Coliform		E. coli	В	ackground		HPC	
Sampled	<u>'</u>				Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	ale Lock 35 #835J66E47																	
09:10		161 Trent Canal Rd.		D						013484		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																	
08:10		2023 Kirkfield Rd.		D						013485		0		0		0			
	Bolsov	ver Lock 37 #835J66E21																	
10:20		92 Talbot Dr.		D						013486		0		0		0			
																		Ī	
	Bolsov	ver Bridge 43 (Reg. N/A)																	
09:55		138 Bolsover Rd.		D						013487		0		0		0			
All samples will be considered DISTRIBUTION samples unless otherwise indicated.  All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term C  Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licen the following inorganic and physical parameters: pH, turbidity, and alkalinity.									_	-	-	specifi	c microbiologica	al para	meters and	Raw = R			
		ility for parameters selected, misic procedures visit www.coalab.ca/w			mples or inc	orrect	quant	ity, this is th	e responsib	ility of the submitting	g age	ncy.							Distribution = D Point of Entry = E
F.S. & Faecal Stre				•	= Heavy Partic	ulate N	/latter			N/R = Not Received				F.S. and HPC	require	48 hours of incuba	ition	Raw Water (	Comsumed = RWC
Analysis Date & Time: 2015-07-29 12:30 Enumerated By: GD Audi						dited By:	CS	Methodology: M	1/F CI	-U/100ml									
Analysis	Analysis Date & Time: Enumerated By: Auc						dited By:		HPC Methodolo	ogy: S	P CFU/1ml; FS	S Met	thodology: M/F	CFU	/100ml				
		Transcribed By: SS Authorized & Rechecked						d By: LJ/T	<del></del>										

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Date: Test Methodology and Detection Limit Reportable Limit: Total Coliform COAL Endo Detection Limit 0 - 80 1 Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 1 M/F CFU/100 ml COAL DC **Detection Limit** 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml HPC COAL HPC Detection Limit SP CFU/1 ml Indicates Deterioration: Performed by Spread Plate 10 - 2.00 x 10<sup>3</sup> >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Final Certficate, PITA 102, 1503, Revision 1.4

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		FIIIai	Certificate of Microbiolog	ical Alialysis of Drillking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-28 14:10
2015-07-28 12:40	8.4	AB	HPC & FS Date & Time Incubated:	

Drinking Water Sys	Kirkfield Sector	# of samples sent	8
	Kirkfield Sector	<u> </u>	
Facility	10.10.110.4	pages sent	2
Name of		Total # of	2
Collected By:	Ellie Wright	Regulation	318/08
Sampled:	2015-07-28	Systems Health Unit	RMDHD
Date		Twp/Town	Kawartha Lakes

Report To:	Trent Severn Waterway Kirkfield	Sector ATTN: Cl	huck Wilkinson							
Address:	2023 Kirkfield Road Kirkfield, ON. I	K0M 2B0								
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email							
Email Addre	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca									
"Live Person	n" After Hours Contact Name and Tel. N	o: Chuck Wilk	inson 705-887-8390							

Conditions/ Ellie Wright Comments Submitted By:

_				Temp. Of	Treat	Treatment Information			To	otal Coliform		E. coli	Background		HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38															
10:50		1419 Canal Rd.	D					013488		0		0		2			
		Portage Lock 39															
11:00		33245 Durham Rd.	D					013489		0		0		1			
		Thorah Lock 40															
11:10		33245 Durham Rd.	D					013490		0		0		0			
	G	amebridge Lock 41															
11:20		33235 Durham Rd.	D					013491		0		0		0			

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Distribution = D Point of Entry = E

Raw = R

Raw Water Comsumed = RWC F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation 2015-07-29 12:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml Analysis Date & Time:

Analysis Date & Time: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Enumerated By: Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI#

Test Methodology and Detection Limit Total Coliform. COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Detection Limit M/F CFU/100 ml Total Coliform COAL DC 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml COAL DC Performed by Membrane Filtration Background Detection Limit 0 - 200 Indicates Deterioration: >200 COAL HPC Detection Limit Performed by Spread Plate Indicates Deterioration: >500 SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

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	LA	BOR	ATC	RY	

Date

Sampled:

Name of

(DWS) #

Facility

Collected By:

**Drinking Water System** 

2015-08-11

Ellie Wright

Kirkfield Sector

4260 Burnside Line, R.R. #4
Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-931
www.coalab.ca

	Twp/Town	
_	Systems Health Unit	HKPRDHU
	Regulation	N/A
	Total # of pages sent	1
-	# of samples sent	11
_	# of samples received	11

			Final Certificate of Nitrate and Nitrite Analysis of Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	
2015-08-11 11:45	6.7	AB	

Report To:	Trent S	Severn Watery	vay ATTN: Chuck Wilkinson	
Address:	2023 K	irkfield Road, l	P.O.Box 10 Kirkfield, ON K0M 2B0	
Telephone:	705	438-3153	Ext:	Fax: 705-438-5201 + Scan & Email
Email Address	ee ch	uck wilkinson(	anc ac ca: kim marshall@nc ac ca:	nicole hamilton@nc gc ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/

Ellie Wright Submitted By:

Comments

Time Sample			Water	Temp. Of		ı	ment Inforn		Laboratory	ı	Nitrate as N		Nitrite as N	Nitra	ate + Nitrite as N		
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	mg/L	>/<	mg/L	>/<	mg/L		
08:20		Lock 36 2023 Kirkfield Rd - Kirkfield	D						SFA-253		0.174		0.029		0.203		
08:50		Lock 35 161 Trent Canal Rd - Rosedale	D						SFA-254		0.120		0.024		0.144		
09:50		Bridge 43 138 Bolsover Rd - Bolsover	D						SFA-255	<	0.010		0.013		0.013		
10:00		Bridge 44 34223 Mara Eldon Boundary Rd	D						SFA-256	<	0.010		0.012		0.012		
10:05		Lock 37 92 Talbot Dr - Bolsover	D						SFA-257	<	0.010		0.020		0.020		
10:25		Lock 38 1419 Canal Rd - Talbot	D						SFA-258		0.117		0.013		0.130		
10:30		Lock 39 33245 Durham Rd - Portage	D						SFA-259		0.048	<	0.010		0.048		
10:35		Lock 40 33245 Durham Rd - Thorah	D						SFA-260		0.023		0.013		0.035		
10:40		Lock 41 33235 Durham Rd - Gamebridge	D						SFA-261		0.119		0.037		0.156		
10:45		Bridge 50 1202 Ramara Rd Beaverton	D						SFA-262		0.052		0.016		0.068		
08:10		Kirkfield Shop	D						SFA-263		0.209		0.031		0.240		

Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received

N/A = Not Applicable

Point of Entry = E
Raw Water Comsumed = RWC

Raw = R

Distribution = D

	Analysis Date &	& Time: 2015-08-	17 16:30	Analyzed By: TJ Aud	ited By: LJ Me	thodology: SFA mo	ı/L				
Transcribed By: DL				Authorized & Rechecked By:	LJ/TJ/KN	Copy Relea	Copy Released By: LJ/AB/DB/KN				
	Lab No:	Paramete	er:	Submitting Agency @	H.U. @	SAC @	AWQI #	Ву:	Date:		
Test Methodology (S	SFA) and Detection Li	im									
Nitrate	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:	Automated Colouri	metric Determination of	Nitrate as N is w	vater samples (modified EPA	353.2)	
Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	1.0 mg/L Methodology:	Automated Colour	metric Determination of	Nitrite as N is wa	ater samples (modified EPA3	53.2)	
Nitrate + Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L Methodology:	Automated Colouri	netric Determination of	Nitrate + Nitrite	as N in water samples (modif	ied EPA 353.2)	

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

		ГШа	Certificate of Wilcrobiologi	cai Alialysis of Dillikilly Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-11 12:00
2015-08-11 11:45	6.7	AB	HPC & FS Date & Time Incubated:	

Final Cartificate of Migrapiological Analysis of Drinking Water

Drinking Water Sy (DWS) #	stem Please See Below	sent # of samples	11
Name of Facility	Kirkfield Sector	Total # of pages sent # of samples	3
Collected By:	Ellie Wright	Regulation	319/08
Sampled:	2015-08-11	Systems Health Unit	HKPRDHU
Date		Twp/Town	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. KOM 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright Comm

www.coalab.ca

Conditions/ Comments

_				Temp. Of		Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Si	te Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	ale Lock 35 #835J66E47																
08:50		161 Trent Canal Rd.	D						014528		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																
08:20		2023 Kirkfield Rd.	D						014529		0		0		0			
	Bolsov	ver Lock 37 #835J66E21																
10:05		92 Talbot Dr.	D						014530		0		0		0			
	Bolsover Bridge 43 (Reg. N/A)																	
09:50		138 Bolsover Rd.	D						014531		0		0		0			
		sidered DISTRIBUTION sample																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration COAL DC Detection Limit 0 - 60 M/F CFU/100 ml E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Spread Plate COAL HPC Detection Limit SP CFU/1 ml HPC 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Membrane Filtration Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: M/F CFU/100 ml

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Date

Sampled:

Name of

(DWS) #

Facility

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-08-11

Ellie Wright

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
5-08-11	Systems Health Unit	RMDHD
llie Wright	Regulation	318/08
iald Coates	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples received	11

Final Certificate of Microbiological Analysis of Drinking Wate
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		a.	Continuate of inforcing	iodi / ilidiyolo ol Dillilalig italol
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-11 12:30
2015-08-11 11:45	6.7	AB	HPC & FS Date & Time Incubated:	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
---

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address:

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Ellie Wright Submitted By:

				Temp. Of		Treatm	ent Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Sample S Total Cl <sub>2</sub> Free Cl <sub>2</sub>		Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml			
		Talbot Lock 38																
10:05		1419 Canal Rd.	D						014532		0		0		0			
•															·			
		Portage Lock 39																
10:30		33245 Durham Rd.	D						014533		0		0		0			
		Thorah Lock 40																
10:35		33245 Durham Rd.	D						014534		0		0		0			
	G	amebridge Lock 41																
10:40		33235 Durham Rd.	D						014535		0		0		0			

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

Approved for use by TJ prior to use.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time:	2015-08-12 10:45	Enumerated By: CS	Audited By: GD	Methodology: M/F CFU/100ml				
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Methodology	odology: M/F CFU/100m	I		
Transcribed By:	AM	Authorized & Rec	checked By: LJ/KN/TJ	Copy Released By: DB/	AM/CS			
Lab N	o Submittin	g Agency @	Health Unit @	Spills Action Centre (SAC) @	AWQI #	Ву:	Date:	

			_				
Test Methodology and I	Detection Limit						
Total Coliform.	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 m
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Strentococcus	COAL ES	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 m

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	LABORATORY	

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-08-11

Ellie Wright

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<del>40.00</del>		
	Twp/Town	Kawartha Lakes
5-08-11	Systems Health Unit	RMDHD
llie Wright	Regulation	N/A
iiald Caatar	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples	11

				ioui / mai/ore or 2 mining mater
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-11 12:30
2015-08-11 11:45	6.7	AB	HPC & FS Date & Time Incubated:	

# Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address:

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Ellie Wright Submitted By:

				Temp. Of	Treatr	eatment Information			Total Coliform			E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Bridge 44																	
10:00		34223 Mara Eldon Boundary Rd	D					014536		0		0		0			
		Bridge 50															
10:55		1202 Ramara Rd. Lakeshore	D					014537		0		0		0			
		Kirkfield Shop															
08:10		46 Talbot St.	D					014538		0		0		0			
		sidered DISTRIBUTION samples ui															

Health Unit @ Spills Action Centre (SAC) @ AWQI #

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D Point of Entry = E

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Comsumed = RWC

Date:

Analysis Date & Time: 2015-08-12 10:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: DB/AM/CS

Test Methodology and Detection Limit

Submitting Agency @

Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform 1 Reportable Limit: Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 1 M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 200 >200 Background HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Lab No.

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

		Final (	Certificate of Microbiologic	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd.	Receiver:	Date & Time Incubated:	2015-08-25 12:15
2015-08-25 11:40	10.5	AB	HPC & FS Date & Time	

LABORATORY		705) 326-8285 Fax: (705 <u>coalab.ca</u>	) 326	5-9316				:	2015-08	3-25 11:40	10	.5 A	В	HPC & FS I	Date 8	& Time			
Date Sampled:		2015-08-25	Sys	/Town	НКРГ	SUHI	11	Rep	ort To:	Trent Severn Wa	terw	ay Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinson	1		
		FIII. 147.1.1.		th Unit			0	Add	ress: 2	2023 Kirkfield Roa	ıd Kiı	kfield, ON. K	OM	2B0					
Collected By:		Ellie Wright		ulation al # of	319	9/08		Tolo	elephone: 705 438-3153										& Email
Name of Facility		Kirkfield Sector	page	es sent	;	3													
	# of samples sent					1		Ema	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca										
(DWS) #		Please See Below	# of samples received					_"Live	e Person'	After Hours Contac	t Na	me and Tel. No	):	Chuck Wil	kins	on 705-887-8	390		
Submitted By	r:	Ellie Wright		nditions/ mments		1													
					Temp. Of		Treat	ment Infor	mation		To	otal Coliform		E. coli	Е	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free C (mg/L	- i Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Roseda	ale Lock 35 #835J66E47																	
09:00		161 Trent Canal Rd.		D						015665		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																	
08:25		2023 Kirkfield Rd.		D						015666		0		0		0			
	Bolsov	ver Lock 37 #835J66E21																	
09:55		92 Talbot Dr.		D						015667		0		0		0			
		2.11 12.72 1111															<u> </u>		
00.40	Bolso	ver Bridge 43 (Reg. N/A)								245000									
09:40		138 Bolsover Rd.		D						015668		0		0		0	<u> </u>		
All samples	will be con	sidered DISTRIBUTION samp	Noc III	nloss oth	orwice ind	icato	4												
All times are Analysis perfor the following in COAL accepts	transcribed med by qualif lorganic and p no responsible and handling p	d in the 24-hour clock for up fied analysts. Results relate only in physical parameters: pH, turbidity, ility for parameters selected, misio procedures visit www.coalab.ca/w	load to the and aldentificaters and atersal	o the Min aliquot subr kalinity. ation of sar mples.html	istry of the mitted. Sam	e Env ples h	rironr nave b quant	een analyze	d as rece	ived. COAL is accredi	ted by	SCC and licens	•	MOE in these s		ic microbiologica			Raw = R Distribution = D Point of Entry = E Comsumed = RWC
Analysis	Date & Time	e: 2015-08-26 10:30	E	Enumerate	ed By: G	BD	Au	dited By:	CS	Methodology: M	/F CF	FU/100ml							
							-				_								

Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL/AM Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Ву: Date: Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration COAL DC Detection Limit Reportable Limit: M/F CFU/100 ml E. coli 0 - 60 1 Indicates Deterioration: Background COAL Endo Detection Limit 0 - 200 >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit HPC Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Final Certficate, PITA 102, 1503, Revision 1.4

Approved for use by TJ prior to use.

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1./	ABORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

Temp. Rec'd. Date & Time Received: Receiver: (°C): 10.5 2015-08-25 11:40

2015-08-25 12:15 Date & Time Incubated: HPC & FS Date & Time Incubated:

Final Certificate of Microbiological Analysis of Drinking Water

Date		Twp/Town	Kawartha Lakes
Sampled:	2015-08-25	Systems Health Unit	RMDHD
Collected By:	Ellie Wright	Regulation	318/08
Name of	Viridiald Contor	Total # of pages sent	3
Facility  Drinking Water S	Kirkfield Sector	# of samples sent	11
(DWS) #	Please See Belov	# of samples received	11

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address: Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

AB

Ellie Wright Submitted By:

Conditions/ Comments

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Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Temp. Of Sample (°C/°F)	 Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number		tal Coliform CFU/100 ml	>/<	E. coli CFU/100 ml	ackground CFU/100 ml	>/<	HPC CFU/1 ml	
Talbot Lock 38																
10:20		1419 Canal Rd.	D					015669		0		0	0			
Portage Lock 39																
10:40		33245 Durham Rd.	D					015670		0		0	0			
		Thorah Lock 40														
10:35		33245 Durham Rd.	D					015671		0		0	0			
	G	amebridge Lock 41														
10:26		33235 Durham Rd.	D					015672		0		0	0			
		sidered DISTRIBUTION samples														

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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Distribution = D Point of Entry = E

Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time: 2015-08-26 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Enumerated By: \_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Copy Released By: CS/AB/DL Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

N/R = Not Received

Test Methodology and D	Detection Limit						
Total Coliform.	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Approved for use by TJ p	rior to use.						

Final Certficate, PITA 102, 1503, Revision 1.4

F.S. and HPC require 48 hours of incubation

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L		OKA	ATO		
		V			

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiologi	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-25 12:15
2015-08-25 11:40	10.5	AB	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	11
Drinking Water Sy		# of samples sent	11
Name of Facility	Kirkfield Sector	Total # of pages sent	3
Collected By:	Ellie Wright	Regulation	N/A
Sampled:	2015-08-25	Systems Health Unit	RMDHD
Date		Twp/Town	Kawartha Lakes

Report To:	i rent	Severn water	way Kirkfield Secto	r Alin	Chuck Wilkinson
Address:	2023	Kirkfield Road	Kirkfield, ON. K0M 2E	80	
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
Email Addr	ess: C	huck.wilkinson	@pc.gc.ca; kim.marsł	nall@pc.g	gc.ca; nicole.hamilton@pc.gc.ca
"Live Perso	n" After	Hours Contact N	lame and Tel. No:	Chuck W	/ilkinson 705-887-8390

Ellie Wright Submitted By:

Conditions/ Comments

	_						7					1					
HPC		ackground	В	E. coli		tal Coliform	To	l abaratan.	nation	ment Inforr	Treat	·	Temp. Of	Matau		Camania	T:
-/< CFU/1 ml	nl >/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	Laboratory Number	Free Cl <sub>2</sub> (mg/L)	Total Cl <sub>2</sub> (mg/L)	Other		Sample (°C/°F)	Water Type	Identification of Collection Site	Sample Identifier	Time Sampled
															Bridge 44		
		0		0		0		015673						D	1223 Mara Eldon Boundary Rd		09:45
															Bridge 50		
		0		0		0		015674						D	1202 Ramara Rd. Lakeshore		10:55
															Kirkfield Shop		
		0		0		0		015675						D	46 Talbot St.		08:30
		0		0		0		015675			ed.	licate	erwise ind		46 Talbot St.	vill be con	

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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Distribution = D

For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

Raw = R

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter Raw Water Comsumed = RWC N/R = Not Received F.S. and HPC require 48 hours of incubation

Analysis Date & Time: 2015-08-26 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date: Lab No. Submitting Agency @ Test Methodology and Detection Limit COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1

Total Coliform Total Coliform Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit Indicates Deterioration: M/F CFU/100 ml 0 - 200 >200 Performed by Membrane Filtration Background 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: HPC COAL HPC Detection Limit >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use. Page 1 of 1

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

Faecal Streptococcus

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Final Certificate of Microbiological Analysis of Drinking Water Temp. Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2015-09-08 15:00 (°C): HPC & FS Date & Time 19.0 ST 2015-09-08 12:42

000,00,00							IIICUD	aleu.		
2015-09-08	Twp/Town Systems Health Unit	HKPRDHU	Report To: T	rent S	Severn Wate	erway Kirkfie	ld Sector AT	TN: Chuck	Wilkinson	
Chuck Wilkinson	Regulation	319/08	Address: 2	023 K	Kirkfield Road	Kirkfield, ON.	K0M 2B0			
Virtistal Contor	Total # of pages sent	3	Telephone:	705	438-3153		Ext:		Fax: 705-438-520	1 + Scan & Email
Kirkfield Sector	# of samples sent	11	Email Address	s: ch	nuck.wilkinso	n@pc.gc.ca; k	im.marshall@	pc.gc.ca; nic	cole.hamilton@pc.go	.ca
Please See Below	# of samples received	11	"Live Person"	After I	Hours Contact	Name and Tel.	No: Chuc	ck Wilkinson	705-887-8390	

Conditions/

Chuck Wilkinson Submitted By:

Comments

F			_	1	_	_		1		_			- "	_				ī
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Temp. Of Sample (°C/°F)		Treat	Total Cl <sub>2</sub> (mg/L)	r	Laboratory Number		CFU/100 ml	>/<	E. coli CFU/100 ml		CFU/100 ml	>/<	CFU/1 ml	
	Rosed	ale Lock 35 #835J66E47																
09:30		161 Trent Canal Rd.	D						016639		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39	•															
09:00		2023 Kirkfield Rd.	D						016640		0		0		0			
	Bolsov	ver Lock 37 #835J66E21																
10:15		92 Talbot Dr.	D						016641		0		0		0			
	Bolsov	ver Bridge 43 (Reg. N/A)																
10:00		138 Bolsover Rd.	D						016642		0		0		10			
		idental DIOTRIBUTION																

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

Detection Limit

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Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL FS

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

0 - 80

N/R = Not Received

Performed by Membrane Filtration

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time:	2015-09-09 13	:30 Enumerated By	y: GD	Audited By:	CS	Methodology: M/F CFU/100ml				
Analysis Date & Time:		Enumerated By	y:	Audited By:		HPC Methodology: SP CFU/1ml; FS	Methodology: M/F CFU/100ml			
Transcribed By:	AM	Autho	rized & Rech	ecked By: LJ/K	N/TJ	Copy Released By:	CS/AB/HM/KN			
Lab No	o Su	bmitting Agency @		Health Unit	@	Spills Action Centre (SAC) @	AWQI#	Ву:	Date:	
t Methodology and Detection	Limit									

Test Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC **Detection Limit** 0 - 60 E. coli Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC **Detection Limit** 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Spread Plate SP CFU/1 ml HPC COAL HPC 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Detection Limit >500

Reportable Limit:

M/F CFU/100 ml

	>
LABORATORY	

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-09-08

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

www.coalab.ca

	Twp/Town	Kawartha Lakes
_	Systems Health Unit	RMDHD
	Regulation	318/08
	Total # of pages sent	3
_	# of samples sent	11
	# of samples	11

Final Certificate of Microbiological Analysis of Drinking Water

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Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-08 15:00
2015-09-08 12:42	19.0	ST	HPC & FS Date & Time Incubated:	

Report To: Tre	nt Severn Waterwa	y Kirkfield Sector	ATTN: Chuck Wilkinson
----------------	-------------------	--------------------	-----------------------

2023 Kirkfield Road Kirkfield, ON, K0M 2B0 Address:

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Chuck Wilkinson Submitted By:

				Temp. Of	Treatr	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38															
10:45		1419 Canal Rd.	D					016643		0		0		0			
	,	Portage Lock 39	•														
10:55		33245 Durham Rd.	D					016644		0		0		0			
		_															
		Thorah Lock 40															
11:05		33245 Durham Rd.	D					016645		0		0	>	200			
		omehvidae I ook 44															
	G	amebridge Lock 41															
11:15		33235 Durham Rd.	D					016646		0		0		0			

All samples will be considered DIS I KIBU I ION samples unless otherwise indicated.

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Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

Approved for use by TJ prior to use.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received E.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

By: GD Date: 2015-09-09

Analysis Date & Time:	2015-09-09 13:30	Enumerated By: GD	Audited By: CS	Methodology: M/F CFU/100ml
Analysis Date & Time: _		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml
Transcribed By:	AM	Authorized & Reche	ecked By: LJ/KN/TJ	Copy Released By: CS/AB/HM/KN

Lab No. 016645 Submitting Agency @ Courtesy Notice Health Unit @ Spills Action Centre (SAC) @ AWQI #

Test Methodology and	Detection Limit						
Total Coliform.	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Strentococcus	COAL ES	Detection Limit	0 - 80	Reportable Limit	1	Performed by Membrane Filtration	M/F CELI/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

LABORATORY

Date Sampled:

Collected By:

**Drinking Water System** 

Name of

(DWS) #

Facility

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-09-08

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town	Kawartha Lakes
5-09-08	Systems Health Unit	RMDHD
ck Wilkinson	Regulation	N/A
ield Sector	Total # of pages sent	3
leid Sector	# of samples sent	11
Please See Below	# of samples	11

Final Certificate of Microbiological Analysis of Drinking Water

				iour / manyore or zimming reason
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-08 15:00
2015-09-08 12:42	19.0	ST	HPC & FS Date & Time Incubated:	

Report To:	Trent Severn V	Vaterway I	Kirkfield Sector	ATTN: Chuck Wilkinson
------------	----------------	------------	------------------	-----------------------

2023 Kirkfield Road Kirkfield, ON, K0M 2B0 Address:

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Chuck Wilkinson Submitted By:

				Temp. Of	Treatn	nent Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other			Laboratory Number	>/<	>/< CFU/100 ml		CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 44															
10:10		34223 Mara Eldon Boundary Rd	D					016636		0		0		0			
		Bridge 50															
11:30		1202 Ramara Rd. Lakeshore	D					016637		0		0	^	200			
		Kirkfield Shop															
08:50		46 Talbot St.	D					016638		0		0		0			
		 sidered DISTRIBUTION samples u															

Detection Limit

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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Raw = R

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Distribution = D Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received

0 - 80

Raw Water Comsumed = RWC F.S. and HPC require 48 hours of incubation

By: GD Date: 2015-09-09

Analysis Date & Time: 2015-09-09 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: CS/AB/HM/KN

Spills Action Centre (SAC) @ AWQI # Lab No. 016637 Submitting Agency @ Courtesy Notice Health Unit @

Performed by Membrane Filtration

M/F CFU/100 ml

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC **Detection Limit** 1 Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 COAL DC Detection Limit 0 - 200 Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background >200 COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml >500

Reportable Limit:

Final Certficate, PITA 102, 1503, Revision 1.4

COAL FS

Faecal Streptococcus

Chain of Custody Primary Report of Microbiological Analysis of Drinking Water Only	٨٦	E SEP 2 2 2015 M. A Jate & Time Incubated:	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson	2023 Kirkfield Road Kirkfield, ON. K0M 2B0	Telephone: 705 438-3153 Exr. Fax. 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca	After			Operational/Field Check if Laboratory Number Coliform CFU/100 ml	mg/L								pu	Pre-Fax  Pre-Fax  Check By:  Chec		2 2 2	Methodology (COAL HPC): SP CFU/1mi; Methodology (COAL FS): M/F CFU/100mi	SAC @ AWQI# By: Date:	Email/Mail Email MOE/MOJK.TC Customer: H.U.: Upload: Invoiced:
		Township/Fown	0 RMDHD		N		~	Temp. of	i	918 A\M	>	>		>		>	>	indicated. Sampling Precists. Results relate only to the	dity, and alkalinity. COAL according, and alkalinity. COAL according to the source of	E .	Audited By:	Audited By:	H.U. @	3y:
H	HCAL LABORAL:			sont (# of samples sent # of samples sent	this page # of samples foud this page	Please See Below	Comments/ Conditions:	Re	(Peas 6 0)	170	ndary Rd. (D)		0.	akeshore (D)	doh	(D)		I samples unless otherwise	and physical parameters: pH, turbit ries visit www.coalab.ca/watersampure 48 nours of incubation.	Y COMMENTS	COC Enumerated By: GO	Enumerated By:	Reported to Submitting Agency @	Report Authorized By:
C C C C C C C C C C C C C C C C C C C	CENTRAL ONTAKIO ANALTITOAL LABORATORTINO. 4260 Burnside Line, R.R. #4 Orilia, ON L3V 6H4	Szb-8285 Fax: (705) 326-8316   www.coalab.ca		Charge	Kirkfield Sector	#	Kim Marshall	-	dissification (C) Distribution - Consumed (R) Raw, Eldore Treatment & Not Consumed (R) Point of Entry - Consumed	(RWC) Raw Water - Consumed without Treatment	Bridge 44 34223 Mara Fidon Boundary Rd		Bridge 50	1202 Ramara Rd. Lakeshore (D)	Kirkfield Shop	46 Talbot St. (D)		be considered DISTRIBUTION	Tracebook of the parameters and the following inorganic and physical parameters: proceedings and parameters in some subject of the following inorganic and physical parameters: parameters is subject, if or collection and handling proceedures visit www.coalab.cawar. Parturato Matter NYR = Not Received FS and HPC require 48 nours of incubation.	FOR LABORATORY USE ONLY / LABORATORY COMMENTS	SEP 2 3 2015	ime:	Reported to St	Transcription Verified By:
A CHILL	CENTRAL	Date	Sampled: Y	Signature:	Name of Facility:	Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC)	Submitted By: (Please Print) Signature:	Time Sampled	(Indicate AM/PM with 12. mple rour clock or St. hour St.	clock)	07.07			11:25		8:45		All samples will to	nicrobiological parar Submitting agency. Particulate Matter Ni	FOR LABORATO	Analysis Date & Time:	Analysis Date & Time:	Lab No:	Transcribed By:

Figure stands to a stand approval of COAL. The Safe Drieking Water Act (SDWA 2002). O Reg 17003 and O. Reg 31808 (please see www.ene gov.on.ca for more information), requires that hollication of exceedances must be reported to the COAL. The Safe Drieking Water Act (SDWA 2002). O Reg 17003 and to the control of the coal and the c

Approved for use by TJ prior to use.

Primary Report, PITA 101, 1206, Revision 1.2 Dane 1 of 1 Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

NONTOWN/Wateworks for O. Reg 318/03: 319/08. Fallure to do so is an efforce under the Act. Health Unit telephone and fax numbers are indicated on advise papework. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and cone.gov.on.ca for more information), requires that notification of exceedarges must be reported to MOE:MOHMaterworks for O. Reg. 170:03 and The Pansonbod and emailed to an unimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

BY:

Lab No:

c.ock)

Primary Report of Microbiological Analysis of Drinking Water Only

Date/Time/Temp. (°C) Received:

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

Formerand to astered without approval of COAL. The Safe Dinking Water Act (SDWA 2022), O. Reg 17003 and O. Reg 31808; 31908 (please see www.ene.gov.on.ca.formerand), requires that notification of exceedances must be available in the event that notification is NACHTOWA person" must be available in the event that notification is not one numbers are indicated on adverse papernork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. The sample of the sample of the SAMPLE(S) OR MAY ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results wife to sent by fax to one number or scan 8 email or possar mall and the transcrope and emailed to an utimitied number of addressed(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-3828 (Surcharge for after hours samples)

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Date

Sampled:

Name of

Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-10-09

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

www.coalab.ca

Date & Ti	me Received:	remp. Reca.	Receiver:	Date & Time Incubated:
2015-1	0-09 12:20	5.0	AB	HPC & FS Date & Time Incubated:
Report To:	Trent Severn V	Vaterway Kirkfi	eld Sector	ATTN: Chuck Wilkins
Address:	2023 Kirkfield R	Road Kirkfield, O	N. K0M 2B0	

Temp. Rec'd.

		incubated.		
Report To:	Trent Severn Waterway Ki	rkfield Sector ATTN: Chuck	Wilkinson	
Address:	2023 Kirkfield Road Kirkfield	, ON. K0M 2B0		
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email	
Email Addre	ess: chuck.wilkinson@pc.gc	.ca; kim.marshall@pc.gc.ca; ni	cole.hamilton@pc.gc.ca	

Final Certificate of Microbiological Analysis of Drinking Water

2015-10-09 13:00

Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

# of samples received Conditions/

Twp/Town

Systems

Health Unit

Regulation

Total # of

pages sent

# of samples

sent

**HKPRDHU** 

319/08

3

11

11

Chuck Wilkinson Submitted By:

Comments

		_																
				Temp. Of		Trea	tment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Rosed	lale Lock 35 #835J66E47																
09:15		161 Trent Canal Rd.	D						019008		0		0		0			
	Kirkfie	ld Lock 36 #835J66E39																
08:30		2023 Kirkfield Rd.	D						019009		0		0		0			
	Bolso	ver Lock 37 #835J66E21																
10:15		92 Talbot Dr.	D						019010		0		0		0			
	Bolso	ver Bridge 43 (Reg. N/A)																
10:00		138 Bolsover Rd.	D						019011		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = RDistribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Point of Entry = E

F.S. and HPC require 48 hours of incubation

For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Methodology: M/F CFU/100ml

N/R = Not Received

Raw Water Comsumed = RWC

Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Transcribed By: \_\_\_\_SS

Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS Lab No. Cubmitting Agangu @ Health I Init @ AWQI # By: Date: Caille Action Contro (CAC)

	Lab No.	Subi	nitting Agency @	「	eaith Onit @	Spills Action Centre (SAC	.) @
Test Methodology and D	etection Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-10-09

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

#### www.coalab.ca

<u>0.0a</u>		
	Twp/Town	Kawartha Lakes
5-10-09	Systems Health Unit	RMDHD
ck Wilkinson	Regulation	318/08
iald Cantan	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples received	RMDHD 318/08 3

Final Certificate of Microbiological Analysis of Drinking Wate
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Date & Time Received: Temp. Rec'd. Receiver: Date & Time Incubated: 2015-10-09 13:00					
(*C):	2015-10-09 13:00	Date & Time Incubated:	Receiver:	Temp. Rec'd. (°C):	Date & Time Received:
2015-10-09 12:20 5.0 AB HPC & FS Date & Time Incubated:			AB	5.0	2015-10-09 12:20

Report To:	Trent Severn Waterway Kirkfield Sector	ATTN: Chuck Wilkinson
------------	--	-----------------------

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/ Comments

					ī					_		_				_		
<b>T</b>	0		14/-1	Temp. Of	<u> </u>	Trea	tment Inforr	nation	Laboration	To	tal Coliform		E. coli	В	ackground		HPC	<u> </u>
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Talbot Lock 38																
10:45		1419 Canal Rd.	D						019012		0		0		0			
		Portage Lock 39																
11:00		33245 Durham Rd.	D						019013		0		0		0			
		Thorah Lock 40																
11:05		33245 Durham Rd.	D						019014		0		0		0			
	G	Samebridge Lock 41																
11:15		33235 Durham Rd.	D						019015		0		0		0			
II samples	will be cons	sidered DISTRIBUTION samples	unless othe	rwise indi	ated		•											•

HPC = Heterotrophic Plate Count

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus

Analysis Date & Time:

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

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N/R = Not Received

Distribution = D

F.S. and HPC require 48 hours of incubation

Point of Entry = E

Raw Water Comsumed = RWC

Raw = R

Methodology: M/F CFU/100ml Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ

HPM = Heavy Particulate Matter

Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Enumerated By:

Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS

Submitting Agency @ Lab No. Health Unit @ Spills Action Centre (SAC) @ AWQI# Date:

Test Methodology and Detection Limit Total Coliform. COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration COAL DC 0 - 60 M/F CFU/100 ml E. coli Detection Limit Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml >500 Faecal Streptococcus COAL FS Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

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LAI	BORA	TOR	

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-10-09

Chuck Wilkinson

Kirkfield Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

#### www.coalab.ca

<u>0.0a</u>		
	Twp/Town	Kawartha Lakes
5-10-09	Systems Health Unit	RMDHD
ck Wilkinson	Regulation	N/A
iald Cantan	Total # of pages sent	3
ield Sector	# of samples sent	11
Please See Below	# of samples received	11

Final Certificate of Microbiological Analysis of Drinking Wate
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			mai oci timoato oi mioropion	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-10-09 13:00
2015-10-09 12:20	5.0	AB	HPC & FS Date & Time Incubated:	

F.S. and HPC require 48 hours of incubation

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Chuck Wilkinson Submitted By:

Conditions/ Comments

_				Temp. Of		Treat	ment Inforr	mation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Bridge 44																		
10:10		34223 Mara Eldon Boundary Rd.	D						019016		0		0		0			
		Bridge 50																
11:20		1202 Ramara Rd. Lakeshore	D						019017		0		0		0			
		Kirkfield Shop																
08:40		46 Talbot St.	D						019018		0		0		0			

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

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For collection and handling procedures visit www.coalab.ca/watersamples.html

Distribution = D

Raw Water Comsumed = RWC

Point of Entry = E

Raw = R

Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ Methodology: M/F CFU/100ml

Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/10ml Analysis Date & Time:

Transcribed By: \_\_\_ SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS

Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date: Lab No.

N/R = Not Received

rest Methodology and De	etection Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

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HPC

Background

Background

Faecal Streptococcus

COAL Endo Detection Limit

Detection Limit

Detection Limit

Detection Limit

COAL DC

COAL FS

COAL HPC

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

		Final	Certificate of Microbiologi	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-11-04 12:20
2015-11-04 11:30	18.6	AB	HPC & FS Date & Time	

	Tal: (705) 226 0205 Fave (705	1 226 (	0216					alo a IIIII	c received.	(°C	C):	CIVCI.					2010-11-0	7 12.20
LABORATORY	Tel: (705) 326-8285 Fax: (705 www.coalab.ca	320-8	9310				2	2015-11-	04 11:30	18		В	HPC & FS Incubated:	Date &	& Time			
Date		Twp/To	own										•					
Sampled:	2015-11-04	Syster Health		HKPI	RDH	U	Repo	ort To: T	rent Severn Wa	aterw	ay Kirkfield	Sec	tor ATTN:	Chuc	k Wilkinsor	1		
Collected By:	Kim Marshall	Regula			9/08		Addr	ess: 20	023 Kirkfield Ro	ad Kii	rkfield, ON. k	(OM	2B0					
Name of	Kiiii Waishaii	Total #	# of				Teler	ohone:	705 438-3153	,			Ext:		Fax: 705	-438	-5201 + Scan	& Email
Facility	Kirkfield Sector	# of sam			1		Ema	il Addross	: chuck.wilkins	con @	ne de ea: kin	ma	rehall@nc.av		nicole hamilt	-on@	oc ac ca	
Drinking Wat		sen	nt		1		_										oc.gc.ca	
(DWS) #	Please See Below	# of sam receiv			1		"Live	Person"	After Hours Conta	act Nar	me and Tel. No	D:	Chuck Wi	lkins	on 705-887-8	3390		
Submitted By:	: Carson Scobbie		litions/ ments															
Time	Sample		Water	Temp. Of		тт-	ent Inforn		Laboratory	To	otal Coliform		E. coli	E	Background	—	HPC	
Sampled	Identifier Identification of Collection S	Site	Туре	Sample (°C/°F)	U.V.		otal Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Kirkfield Lock 36 #835J66E39																	
08:05	2023 Kirkfield Rd.		D						020667		0		0		0			
All times are Analysis perfort the following int COAL accepts	will be considered DISTRIBUTION samp transcribed in the 24-hour clock for up med by qualified analysts. Results relate only organic and physical parameters: pH, turbidity, no responsibility for parameters selected, misin and handling procedures visit www.coalab.ca/w	load to to to the alice and alka dentificati	the Min quot subralinity. ion of sar	nistry of the mitted. Sam mples or inc	e Env	rironme nave beer	n analyze	d as receive	ed. COAL is accred	lited by	SCC and licens	•	•	specif	ic microbiologic	al para	meters and	Raw = R Distribution = D Point of Entry = E
	p. = Faecal Streptococcus HPC = Heterotrophic P				ulate N	Matter			N/R = Not Received				F.S. and HPC	require	e 48 hours of incuba	ation	Raw Water C	Comsumed = RWC
Analysis	Date & Time: 2015-11-05 11:00	En	umerate	ed By: C	BD	Audit	ed By: _	CS	Methodology: N	M/F CF	FU/100ml							
Analysis	Date & Time:	En	umerate	ed By:		Audit	ed By:		HPC Methodol	ogy: S	SP CFU/1ml; F	S Me	thodology: M/F	- CFU	J/100ml			
Tra	anscribed By: DL		Αι	uthorized &	Rech	hecked I	Зу: <u>LJ</u>	/TJ		Сору	Released By:	C	S/AB/SS/DL					
	Lab No Submitti	ng Agen	ncy @			He	alth Unit	@	Spills Action	n Cen	ntre (SAC) @		AW	QI#		Ву: _	Date:	
	gy and Detection Limit		_													_	<u> </u>	
Total Coliform Total Coliform E. coli	COAL Endo Detection Limit COAL DC Detection Limit COAL DC Detection Limit	0 - 80 0 - 80 0 - 60		Reportable Reportable Reportable	Limit	:	1 1 1	Pe	erformed by Membra erformed by Membra erformed by Membra	ane Filt	ration N	//F CF	FU/100 ml FU/100 ml FU/100 ml					

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

>200

>200

>500

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Reportable Limit: Approved for use by TJ prior to use.

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Final Certficate, PITA 102, 1503, Revision 1.4 Page 1 of 1

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1	13/1
	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

		Final	Certificate of Microbiolo	gical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-20 12:15
2015-08-20 11:48	22.5	MH	HPC & FS Date & Time Incubated:	

LABORATORY	www.coalab.ca			Incubated:					
Date Sampled:	2015-08-20	Twp/Town Systems Health Unit	Kawartha Lakes RMDHD	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson					
Collected By:	Curtis Poulsom	Regulation	318/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0					
Name of	Kirkfield Sector	Total # of pages sent	1	Telephone: 705 438-3153					
Facility Kirkfield Sector  Drinking Water System		# of samples sent	1	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca					
(DWS) #	Please See Below	# of samples received	1	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390					
Submitted By:	Curtis Poulsom	Conditions Comments	RE-SAMPLE						
			Tue et es	ant Information Total California C. cali Declaration UDC					

Time	Sample		Water				ment Inforn		Laboratory	To	tal Coliform		E. coli	В	ackground		HPC	
Sampled	Identifier	Identification of Collection Site	Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	G	amebridge Lock 41																
11:00	CP	33235 Durham Rd.	D						015497		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

Reportable Limit:

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

1

>200

>200

>500

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL DC Detection Limit

COAL Endo Detection Limit

COAL DC Detection Limit

COAL HPC Detection Limit

COAL FS Detection Limit

E. coli

HPC

Background

Background

Faecal Streptococcus

0 - 60

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml SP CFU/1 ml

M/F CFU/100 ml

Point of Entry = E

F.S. & Faecal Strep. = Fa	aecal Streptococcus	HPC = Heterotrophic Pl	ate Count HPM = Heavy Particulat	te Matter	N/R = Not Received	F.S. and HPC require 48 hours of incubation	Raw Water Comsumed = RW
Analysis Date	& Time:2	015-08-21 10:30	Enumerated By: SC	Audited By: LJ	Methodology: M/F CFU/100ml		
Analysis Date	& Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1m	l; FS Methodology: M/F CFU/100ml	
Transcr	ribed By: ST		Authorized & R	echecked By: LJ/TJ/KN	Copy Released	By: SC/AB/HM/KN	<u> </u>
	Lab No.	Submittir	ng Agency @	Health Unit @	Spills Action Centre (SAC)	@ AWQI# By:	Date:
Test Methodology an	nd Detection Limit						
Total Coliform.	COAL Endo	Detection Limit	0 - 80 Reportable Lii	mit: 1	Performed by Membrane Filtration	M/F CFU/100 ml	
Total Coliform	COAL DC	Detection Limit	0 - 80 Reportable Lii	mit: 1	Performed by Membrane Filtration	M/F CFU/100 ml	

Final Certficate, PITA 102, 1503, Revision 1.4 Approved for use by TJ prior to use. Page 1 of 1

	1 Tin
1	
1	
	LABORATORY

Submitted By:

4260 Burnside Line, R.R. #4
Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-9316

		Final	Certificate of Microbiologic	cal Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-21 12:00
2015-08-21 11:35	22.9	AB	HPC & FS Date & Time	

LABURATURT	www.coalab.ca			Incubated:
Date Sampled:	2015-08-21	Twp/Town Systems Health Unit	RMDHD	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson
Collected By:	Shawn Finn	Regulation	319/08	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0
Name of		Total # of pages sent	1	Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email
Facility  Drinking Water	Kirkfield Sector	# of samples sent	1	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca
(DWS) #	Please See Below	# of samples received	1	"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390
		Conditions/	Resample	

Treatment Information Total Coliform E. coli Background HPC Temp. Of Time Sample Water Laboratory Sample Identification of Collection Site Total Cl<sub>2</sub> Free Cl<sub>2</sub> J.V. Sampled Identifier Type Number CFU/100 ml CFU/100 ml CFU/100 ml >/< CFU/1 ml >/< >/< >/< (°C/°F) (mg/L) (mg/L) Gamebridge Lock 41 SF 10:45 33235 Durham Rd. D 015524 0 0 0

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Comments

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

1.0. a raccarotrep. = ra	iccai Otropiococcas	Till O = Ticterotroprile Ti	iate count	avy i aiticulate ii	iditoi		Terr = Not received	1.0. and	The Ortequite 40 flours of file	abation	raw water comoa	
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Analysis Date	& Time:		Enumerated E	Ву:	Audited By:		HPC Methodology: SP CFU/1ml;	FS Methodology	M/F CFU/100ml			
Transcri	ibed By: DL	<u> </u>	Autho	orized & Recl	hecked By: LJ/TJ/	KN	Copy Released B	sy: SC/HM/ST/	_J			
	Lab No.	Submittir	ng Agency @		Health Unit @	<u> </u>	Spills Action Centre (SAC) @		AWQI #	Ву:	Date:	
Test Methodology and	d Detection Limit											
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Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: M/F CFU/100 ml Performed by Membrane Filtration COAL DC Detection Limit 0 - 60 Reportable Limit: M/F CFU/100 ml E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml HPC COAL HPC Detection Limit SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal

mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Chain of Custody

Approvd for use by TJ prior to use.

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

Primary Chemical Report, PITA 296, 1302, Revision 1.4

Primary Report of Chemical Analysis of Water

Date Sampled:			Townsh Kawarth is Julit bages s sent je s r'cvd	ip/Town a Lake		Report Address Telephe ONLY	To: s: one:	JUL Trent S 2023 K 705	mp. (°C = 1\lambda F L 1 2 severn rkfield 438-31 uck.wilk	Waterway Kirkfield S Road Kirkfield, ON. K0	ector ATTN: Ch	Fax: 705-43	88-5201 + Scan & B	ech:
Submitted By: (Please Print)  Signature:	Clie Curlent	Comme												
Time Sampled	Sampling Location  Describe the location AND indicate an appropriate		res Notific r SDWA 2		TOTAL YEAR	Dies	Param se Chec	neters: k if Requ	ired					
(Indicate AM/PM with 12- hour clock or use 24-hour	(R) Raw Valer - Consumed (R) Raw Water - Consumed (R) Raw Water - Consumed		ase check 80/8	one)	Temp. of Sample (Indicate °F or °C)	Lead	Turbidity	Alkalinity	рН	Laboratory Number	Lead µg/L	Turbidity NTU	Alkalinity mg/L as CaCO <sub>3</sub>	pH (at 25°C)
clock)	(RWC) Raw Water - Consumed	170	318	N A			۲	∢			THIS AREA IS	FOR LABORATORY	USE ONLY	
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immediate preserva Analysis performed to quantity or incorrect N/R = Not Received	ns: Transport water samples under refrige tion by laboratory and must analyzed w by qualified analysts. Results relate only to collection procedure; this is the responsibilit N/A = Not Applicable USE ONLY / LABORATORY COMMENT	thin 60 day he aliquot s y of the sub	ys of colle	ction. Sample	Turbidity, Totals have been a	al Alkalinit nalyzed as	ty, and p	oH sampl	es requi accepts	re analysis as soon as p no responsibility for parar	possible and no lat meters selected, mis	er than 14 days afte	er collection. oles, incorrect	re-Fax heck By: SC
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Lab	No: Adverse Repo			ency @			н	I.U. @ _		SAC @	_ AWQI#	By:	Date W	~ 5 ZOIS
Transcribed By:	Transcription Verified By:		port zed By:			Emai	il/Mail			Email H.U.:	MOE/MOHLT Upload:	c	Invoiced:	

is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

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FOR LABORATORY USE O	1693	DMMENTS				1	三鱼公	ED ED
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Analysis Date & Time:		Analyzed By:	Audited By:	Methodology (COAl	L pH): Electrometric pH			- STOR CHAI
Analysis Date & Time:		Analyzed By:	Audited By:	Methodology (COAI	L Alk): Digital Titration m	ng/L		-07- 23 2010
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Transcribed By:	Transcription Verified By:	Report Authorized By:		Email/Mail Customer:	Email H.U.:	MOE/MOHLT	С	Invoiced:

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Primary Chemical Report, PITA 296, 1302, Revision 1.4

Approvd for use by TJ prior to use.

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4260 Burnside Line, R.R. #4
Orillia, ON L3V 6H4
Tel: (705) 326-8285 Fax: (705) 326-9316

		Final	Certificate of Microbiole	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-07-28 15:00
2015-07-28 12:40	8.4	AB	HPC & FS Date & Time Incubated:	

LABORATORY	www.	<u>coalab.ca</u>						2013-01-2	0 12.40	0.	4 ^		Incubated:					
Date Sampled:		2015-07-28	Twp/Town Systems	Kawarti			Rep	ort To: <b>Tr</b>	ent Severn Wa	aterw	av Kirkfield	Sec	tor ATTN: 0	Chuc	k Wilkinsor	1		
			Health Unit	RM	DHD	)			23 Kirkfield Ro		· ·							
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Name of Facility		Kirkfield Sector	Total # of pages sent		1		Tele	phone: 7	705 438-3153				Ext:		Fax: 705	-438-	-5201 + Scan	& Email
Drinking Wat			# of samples sent		3		Ema	ail Address:	chuck.wilkins	on@	pc.gc.ca; kim	ı.ma	rshall@pc.gc	.ca;	nicole.hamilt	on@p	oc.gc.ca	
(DWS) #	ter System	Please See Below	# of samples received		3		"Live	e Person" /	After Hours Conta	ict Na	me and Tel. No	):	Chuck Wil	kins	on 705-887-8	8390		
Submitted By	r:	Ellie Wright	Conditions, Comments															
				Temp. Of		Treat	ment Infor	mation		T	otal Coliform		E. coli	Е	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	Site Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw Water Comsumed = RWC

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

Point of Entry = E

Raw = R

Analysis Date & Time: 2015-07-29 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/TW/AM

Spills Action Centre (SAC) @ AWQI# By: Date: Health Unit @ Lab No. Submitting Agency @ Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use.

N/R = Not Received

F.S. and HPC require 48 hours of incubation

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CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

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Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE (S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR MAY APPLY AND ADMINISTRATIVE CHARGE FOR COMPLETION OF THE SAMPLE (S) OR THE SA mail and then trass the end and the trass the end and the end of the end and the end of Page 2 of 2

Primary Report of Chemical Analysis of Water

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Primary Chemical Report, PITA 296, 1302, Revision 1.4

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Primary Report of Chemical Analysis of Water

Primary Report of Chemical Analysis of Water (at 25°C) Fax: 705-438-5201 + Scan & Email mg/L as CaCO<sub>3</sub> Alkalinity THIS AREA IS FOR LABORATORY USE ONLY chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca 517 2 17 Date & Time Lead Preserved: Chuck Wilkinson 705-887-8390 Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson Turbidity NTU 1393 Lead µg/L 20,00 0 Initials of Receiver: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Laboratory Number "Live Person" After Hours Contact Name and Tel. No: 3 Date/Time/Temp. (°C) Received: JUBILI 2 120665 BEFERED 705. 438-3153 Hd Please Check if Required Chain of Custody Alkalinity Email Address: Turbidity Telephone: Report To: Address: ONLY Lead > > > FOR LAB USE F or °C) Temp. of Indicate Sample HKPRDHU CENTRAL ONTARIO ANALYTICAL LABORATORY INC. Kawartha Lakes Requires Notification as Fownship/Town > A/N (Please check one) \* per SDWA 2002: 319/08 > > > # of samples r'cvd this page 318/08; Total # of pages Comments/ Conditions: Systems Health Unit this page 170/03 Tel: (705) 326-8285 Fax: (705) 326-9316 scribe the location AND indicate an appropriate letter Bolsover Bridge 43 (Reg. N/A) Kirkfield Lock 36 #835J66E39 Rosedale Lock 35 #835J66E47 Bolsover Lock 37 #835J66E21 Please See Below 161 Trent Canal Rd. (D) (D) Distribution - Consumed
(R) Raw - Before Treatment & Not Consumed
(E) Point of Entry - Consumed
(RWC) Raw Water - Consumed 2023 Kirkfield Rd. (D) 138 Bolsover Rd. (D) 92 Talbot Dr. (D) 4260 Burnside Line, R.R. #4 Kirkfield Sector Orillia, ON L3V 6H4 Plie Coright Sampling Que Conghi www.coalab.ca Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) classification. Identifier (Please Print) (Indicate AM/PM with 12-Collected By: Submitted By: (Please Print) hour clock or use 24-hour Signature: Signature: Name of 9,30 Facility: Sampled Time clock)

Pre-Fax Check By: Precautions: Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html N/R = Not Received N/A = Not Applicable

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Approvd for use by TJ prior to use.

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CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

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Primary Chemical Report, PITA 296, 1302, Revision 1.4 Page 2 of 4

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MOE/MOHLTC Upload:

Email H.U.:

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By:

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Methodology (COAL Alk): Digital Titration mg/L Methodology (COAL pH): Electrometric pH

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Primary Chemical Report, PITA 296, 1302, Revision 1.4

Approved for use by TJ prior to use.

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Audited By: Audited By: Audited By:

Analyzed By: Analyzed By: Analyzed By:

Analysis Date & Time: Analysis Date & Time: Analysis Date & Time: MOE/MOHLTC

Email

Email/Mail

Report

Transcription

Transcribed

CENTRAL ONTARIO ANALYTICAL LABORATORY INC	LABORALORY INC.	Date/Time/Temp. (°C) Received: Initials of Receiver: Date & Time Lead Preserved:	Tech:
4260 Burnside Line, R.R. #4		. !	
Orillia, ON L3V 6H4		いたのはいにはいる。	2 6
Tel: (705) 326-8285 Fax: (705) 32		Z 2 786 / III	
TO THE PARTY OF TH	Township/Town	JUL 2 100	
Date Sampled: Y Y Y W M D D	Simcoe Muskoka		
By:	Systems SMDHU Health Unit	Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson	
(Please Print)	Total,# of pages	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0	
Signature:	# of samples sent	ne: 705 438-3153 Ext:	Fax: 705-438-5201 + Scan & Email
Name of Washago Sector Washago Sector	# of samples r'cvd	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca	oc.gc.ca
Vater System (DW		"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390	
2	Comments/		
3			
	Requires Notification as	Parameters: Please Check if Required	Alkalinity
Sampled Describe the location AND indicate an appropriate etter (Indicate Describe the location of the consumed AMPM with 12 P (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (R) Result (	(Please check one)	Lead in in pH Laboratory Number Lead Iuribidity NTU NTU pH pH pH	,0 <sub>3</sub> (at
pl	CO/O7 I	Tur	JSE ONLY
1 ock 42			
1054h 2597 Bonsor Rd. (D)	>	00-17 Ob-7	
19 SR 409 Unit 1 (D)	>	>	
Lock 44			
7001 Upper Big Chute Rd. (D)	> (O)	>	
Lock 45			
175 Port Severn Rd. N.(D)	>	to a feet	imples receive
Sampling Precautions: Transport water samples under refrigeration to laboratory; avoid fre immediate preservation by laboratory and must analyzed within 60 days of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Sample quantity or incorrect collection procedure; this is the responsibility of the submitting agency. From the properties of NIA. But Analicable.	frigeration to laboratory, avoid freezing. C d within 60 days of collection. Turbidi to the aliquot submitted. Samples have ibility of the submitting agency. For collections	Sampling Precautions: Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples recover immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analyzed within 60 days of collection and handling procedures visit www.coalab.ca/watersamples.html	collection. es, incorrect Check By: 5
FOR I ABORATORY USE ONLY / LABORATORY COMMENTS	ENTS		
5691	3		1111 2 3 2015
Analysis Date & Time	Analyzed By: S C Audited By:	4 By: A Methodology (COAL AA); Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L	10
The state of the s	Analyzed By: Audited By:	J By: Wethodology (COAL T): Nephelometric NTU	2000
Analysis Date & Time:			4
Analysis Date & Time:	Analyzed By: Audited		
Analysis Date & Time:	Analyzed By: Audited By:	By: Methodology (COAL Alk): Digital Titration Ing/L	
·		TI CONTROL OF THE PROPERTY OF	Note:
Lab No: Adverse R	Adverse Reported to Submitting Agency @	H.U. @ SAC @ AWQI# by.	Date.
Transcribed Transcription	Report	Email/Mail Email MOE/MOHLTC	Invoiced:
	Authorized By:	ion) remires that notification of exceedances must be reported to	MOE/MOH/Waterworks for O. Reg 170/03 and to

Chain of Custody

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 319/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification in MOHING TREAD OF THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Primary Chemical Report, PITA 296, 1302, Revision 1.4 Page 1 of 2

Approvd for use by TJ prior to use.



#### SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

06-July-2015

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

**Date Rec.:** 03 July 2015 LR Report: CA14048-JUL15

12 Trent Drive Campbellford, ON

Copy: #1

K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			03-Jul-15	03-Jul-15
2: Analysis Start Time			15:35	15:35
3: Analysis Approval Date			05-Jul-15	05-Jul-15
4: Analysis Approval Time			10:47	10:47
5: MAC			0	0
6: NR Brighton Road Bridge	03-Jul-15 08:30	11.0	0	0
7: NR Carrying Place Bridge	03-Jul-15 09:00	11.0	0	0
8: NR Lock #8 Percy Reach	03-Jul-15 11:35	11.0	0	0
9: NR Lock #9 Meyers	03-Jul-15 12:00	11.0	0	0
10: NR Lock #10 Hagues Reach	03-Jul-15 12:15	11.0	0	0
11: NR Lock #14 Crowe Bay	03-Jul-15 12:45	11.0	0	0
12: NR Lock #15 Healey Falls (Lower)	03-Jul-15 13:40	11.0	0	0
13: NR Lock #16/17 Healey Falls (Upper)	03-Jul-15 13:50	11.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical



#### SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 11 June 2015

LR Report: CA14368-JUN15

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			11-Jun-15	11-Jun-15
2: Analysis Start Time			17:15	17:15
3: Analysis Approval Date			12-Jun-15	12-Jun-15
4: Analysis Approval Time			16:04	16:04
5: MAC			0	0
6: NR Brighton Road Bridge	11-Jun-15 12:00	14.0	0	0
7: NR Carrying Place Bridge	11-Jun-15 12:18	14.0	0	0
8: NR Lock #8 Percy Reach	11-Jun-15 13:48	14.0	0	0
9: NR Lock #9 Meyers	11-Jun-15 14:32	14.0	0	0
10: NR Lock #10 Hagues Reach	11-Jun-15 14:15	14.0	0	0
11: NR Lock #14 Crowe Bay	11-Jun-15 15:00	14.0	0	0
12: NR Lock #16/17 Healey Falls (Upper)	11-Jun-15 15:30	14.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury, Project Specialist

Environmental Services, Analytical

12-June-2015

#1

Copy:



#### SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 09 June 2015
LR Report: CA17641-JUN15

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

**Copy:** #1

11-June-2015

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			09-Jun-15	09-Jun-15
2: Analysis Start Time			12:40	12:40
3: Analysis Approval Date			11-Jun-15	11-Jun-15
4: Analysis Approval Time			09:03	09:03
5: MAC			0	0
6: NR Brighton Road Bridge	08-Jun-15 11:35	8.0	0	0
7: NR Carrying Place Bridge	08-Jun-15 11:50	8.0	0	0
8: NR Lock #4 Batawa	08-Jun-15 12:15	8.0	9 MAC	1 MAC
9: NR Lock #7 Glen Ross	08-Jun-15 12:45	8.0	16 MAC	4 MAC
10: NR Lock #8 Percy Reach	08-Jun-15 13:30	8.0	0	0
11: NR Lock #9 Meyers	08-Jun-15 14:00	8.0	0	0
12: NR Lock #10 Hagues Reach	08-Jun-15 14:30	8.0	0	0
13: NR Lock #14 Crowe Bay	08-Jun-15 15:00	8.0	0	0
14: NR Lock #15 Healey Falls (Lower)	08-Jun-15 15:30	8.0	0	0
15: NR Lock #16/17 Healey Falls (Upper)	08-Jun-15 15:45	8.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

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-14	1	18	6
			1
		0/1	
	CAT	DOV	
			3

Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-10-07

Chuck Wilkinson

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

Please See Below

#### www.coalab.ca

	Twp/Town	Simcoe Muskoka
_	Systems Health Unit	SMDHU
	Regulation	N/A
	Total # of pages sent	1
_	# of samples sent	1
	# of samples	

Final Certificate of Chemical Analysis of Water

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Lead Preserved:	Tech:
2015-10-07 14:10	21.4	МН	2015-10-07 15:07	SC

Chuck Wilkinson 705-887-8390

Muskoka				
IDHU	Report To: Trent Severn Waterway Kirkf	ield Sector ATTN: Chu	ck Wilkinson	
_	Address: 2023 Kirkfield Road Kirkfield, C	N. K0M 2B0		
1/A	Telephone: 705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email	
1	Email Address: chuck.wilkinson@pc.gc.ca	a; kim.marshall@pc.gc.ca	a; nicole.hamilton@pc.gc.ca	
I				

received Conditions/ Comments

Chuck Wilkinson Submitted By:

Time	Sample		Water	Temp. Of	Laboratory		Lead	Turbidity	Alkalinity		рН	5	Sodium	
Sampled	Identifier	Identification of Collection Site	Туре	Sample (°C/°F)	Number	>/<	μg/L	NTU	>/<	mg/L as CaCO₃	(at 25°C)	>/<	mg/L	
		Washago Shop												
01:40		3321 Bond St. (Reg. N/A)	D		L-162		2.88							

"Live Person" After Hours Contact Name and Tel. No:

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL Is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received N/A = Not Applicable

Point of Entry = E Raw Water Comsumed = RWC

Raw = R

Distribution = D

Lead Analysis Date & Time:	2015-12-04	Analyzed By: Caduc	eon Audited By:	LJ	_Methodology: AA μg/L
Turbidity Analysis Date & Time:		Analyzed By:	Audited By:		_Methodology: Nephelometric NTU
Total Alkalinity Analysis Date & Time:		Analyzed By:	Audited By:		Methodology: Digital Titration mg/L as CaCO <sub>3</sub>
pH Analysis Date & Time:		Analyzed By:	Audited By:		_Methodology: Electrometric pH
Sodium Analysis Date & Time:		Analyzed By:	Audited By:		_Methodology: AA mg/L
Transcribed By:	SS Au	thorized & Rechecked By:	LJ/TJ	_	Copy Released By: LJ/AB
Lab No.	Submitting Agency	@	Health Unit @		Spills Action Centre (SAC) @         AWQI #         By: Date:

Test Methodology and Detection Limit Lead COAL AA Detection Limit 1.00 µg/L Reportable Limit: 10.0 µg/L Methodology: Graphite Furnace Atomic Absorption COAL pH Detection Limit 4 - 10 Reportable Limit: N/A Methodology: Electrometric 10 - 4000 Reportable Limit: Digital Titrator Total Alkalinity COAL Alk Detection Limit N/A Methodology: 0.10 - 40.0 Reportable Limit: Turbidity COAL T Detection Limit N/A Methodology: Nephelometric Sodium COAL AA Detection Limit 1.00 mg/L Reportable Limit: 20.0 mg/L Methodology: Graphite Flame Atomic Absorption

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalah.ca

EMBORMIONI	www.coaiab.ca		
Date		Twp/Town	
Sampled:	2015-05-14	Systems Health Unit	SMDHU
Collected By:	Chuck Wilkinson	Regulation	318/08
Name of	Washana Castan	Total # of pages sent	2
Facility  Drinking Water	Washago Sector System	# of samples sent	4
(DWS) #	Please See Below	# of samples received	4

Final Certificate of Microbiological Analysis of Drinking Water									
Receiver:	Date & Time Incubated:	2015-05-14 15:10							

Fax: 705-438-5201 + Scan & Email

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-05-14 15:10
2015-05-14 14:48	, ,		HPC & FS Date & Time Incubated:	

Ext:

Report To:	Trent Severn	Waterway Kirkfield Sector	or ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Submitted By: Chuck Wilkinson

_																		
				Temp. Of		Treat	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42																
10:30		2597 Bonsor Rd.	D						007762		0		0		1			
		Lock 43																
12:00		19 SR 409 Unit 1	D						007763		0		0		0			
		Lock 44																
01:25		7001 Upper Big Chute Rd.	D						007764		0		0		0			
		Lock 45																
02:00		175 Port Severn Rd. N.	D						007765		0		0		0			
All samples v	will be consi	dered DISTRIBUTION samples u	nless otherv	vise indica	ted											•		

Telephone: 705 438-3153

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D Point of Entry = E

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Analysis Date & Time:	2015-05-15 13:30	Enumerated By:A	AF Audited By: SC	Methodology: M/F CFU/100ml
Analysis Date & Time:		Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/10
Transcribed By:	SS	Authorized &	Rechecked By: LJ/TJ/KN	Copy Released By: AF/KN

Health Unit @ Spills Action Centre (SAC) @ AWQI# Submitting Agency @ Date:

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 1 COAL DC Detection Limit 0 - 60 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Detection Limit Performed by Membrane Filtration Background COAL Endo 0 - 200 Indicates Deterioration: >200 M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml SP CFU/1 ml HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate Reportable Limit: Performed by Membrane Filtration Faecal Streptococcus COAL FS Detection Limit 0 - 80 M/F CFU/100 ml

Final Certficate, PITA 102, 1311, Revision 1.3

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	ABO		RY	
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Date

Sampled:

Name of Facility

(DWS) #

Collected By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			iai certificate of Microbiole	gical Alialysis of Dilliking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-05-14 15:10
2015-05-14 14:48	10.8	AB	HPC & FS Date & Time Incubated:	

Final Cartificate of Microbiological Analysis of Drinking Water

	Twp/Town	Kawartha Lakes
2015-05-14	Systems Health Unit	SMDHU
Chuck Wilkinson	Regulation	N/A
Washaga Castar	Total # of pages sent	2
Washago Sector	# of samples sent	2
Please See Below	# of samples	2

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Fax: 705-438-5201 + Scan & Email

F.S. and HPC require 48 hours of incubation

AWQI#

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Submitted By: Chuck Wilkinson Comments

				Temp. Of	 Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57															
10:00		1641 Peninsula Pt. Rd.	D					007766		0		0		0			
		Washago Shop															
09:35		3321 Bond St.	D					007767		0		0		0			
		_															

N/R = Not Received

Spills Action Centre (SAC) @

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Submitting Agency @

Distribution = D Point of Entry = E

Raw Water Comsumed = RWC

Analysis Date & Time: 2015-05-15 13:30 Enumerated By: AF Audited By: SC Methodology: M/F CFU/100ml

Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time:

Health Unit @

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AF/KN

Test Methodology and Detection Limit Total Coliform (Treated) COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform (Untreated) COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml 1 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration Indicates Deterioration: Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 >200 Performed by Spread Plate SP CFU/1 ml HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

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	LABORATORY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			Final Certificate of Microbiol	ogical Alialysis of Dilliking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-02 16:00
2015-06-02 14:56	12.4	МН	HPC & FS Date & Time Incubated:	

Final Cartificate of Microbiological Analysis of Drinking Water

Drinking Water Syst (DWS) #	em Please See Below	# of samples	6
Facility	Washago Sector	# of samples	6
Name of	Washara Sastar	Total # of pages sent	2
Collected By:	Chuck Wilkinson	Regulation	318/08
Date Sampled:	2015-06-02	Twp/Town Systems Health Unit	SMDHU
	<u> </u>		

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Conditions/ Comments

Submitted By: Chuck Wilkinson

		<u> </u>																
				Temp. Of		Treat	ment Inforr	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	e Water Type	Sample (°C/°F)	U.V.	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
10:20		2597 Bonsor Rd.	D						009146		0		0		9			
		Lock 43																
11:30		19 SR 409 Unit 1	D						009147		0		0		0			
		Lock 44																
01:00		7001 Upper Big Chute Rd	. D						009148		31		5	>	200			
		Lock 45																
14:20		175 Port Severn Rd. N.	D						009149		0		0		0			
		' I I DIOTRIBUTION																

Address:

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R Distribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Point of Entry = E

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation Raw Water C

Raw Water Comsumed = RWC

CS Date: 2015-06-03

Analysis Date & Time: 2015-0	6-03 14:30 Enumerated By: G	D Audited By: CS	Methodology: M/F CFU/100ml	
Analysis Date & Time:	Enumerated By:	Audited By:	HPC Methodology: SP CFU/1ml; FS Methodolo	gy: M/F CFU/100ml
Transcribed By: ST	Authorized &	Rechecked By: LJ/TJ/KN	Copy Released By: GD/AB/	TW

	Lab No.	009148	Submitting Agency @	15:44	Health Unit @ _	N/A	Spills Action Centre (SAC) @	N/A	AWQI#	N/A
Test Methodology and Det	ection Limit									
Total Coliform (Treated)	COAL Endo	Detection L	.imit 0 - 80	Reportable Limit:	1	Performed	by Membrane Filtration	M/F CFU/100 ml		
Total Coliform (Untreated)	COAL DC	Detection L	imit 0 - 80	Reportable Limit:	1	Performed	by Membrane Filtration	M/F CFU/100 ml		
E. coli	COAL DC	Detection L	imit 0 - 60	Reportable Limit:	1	Performed	by Membrane Filtration	M/F CFU/100 ml		
Background	COAL Endo	Detection L	imit 0 - 200	Indicates Deterioration:	>200	Performed	by Membrane Filtration	M/F CFU/100 ml		
Background	COAL DC	Detection L	imit 0 - 200	Indicates Deterioration:	>200	Performed	by Membrane Filtration	M/F CFU/100 ml		
HPC	COAL HPC	Detection L	imit 10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed	by Spread Plate	SP CFU/1 ml		
Faecal Streptococcus	COAL FS	Detection L	imit 0 - 80	Reportable Limit:	1	Performed	by Membrane Filtration	M/F CFU/100 ml		Fina

	4260 Burnside
1 172	Orillia, ON L3V
	Tel: (705) 326-
LABORATORY	www.coalab.ca

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316

Final Certificate of Microbiological Analysis of Drinking Water Temp, Rec'd. Date & Time Received: Receiver: Date & Time Incubated: 2015-06-02 16:00 (°C): HPC & FS Date & Time 2015-06-02 14:56 12.4 МН Incubated:

Date		Twp/Town	Kawartha Lakes
Sampled:	2015-06-02	Systems Health Unit	SMDHU
Collected By:	Chuck Wilkinson	Regulation	N/A
Name of	Washara Sastar	Total # of pages sent	2
Facility  Orinking Water System	Washago Sector	# of samples sent	6
DWS) #	Please See Below	# of samples received	6

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Chuck Wilkinson Submitted By:

Conditions/ Comments

			Temp. OfTreatment Information							Total Coliform		E. coli		Background		HPC		
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	<b>&gt;</b> /<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57																
09:55		1641 Peninsula Pt. Rd.	D						009150		0		0		0		•	
																	•	
		Washago Shop																
09:30		3321 Bond St.	D						009151		0		0		0			
		·																
		_															•	

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = RDistribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency

For collection and handling procedures visit www.coalab.ca/watersamples.html  S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter						N/R = Not Received	NR = Not Received F.S. and HPC require 48 hours of incubation					
Analysis Date & T	ime:	2015-06-03 14:30	Enumerat	ted By: <u>GD</u> Au	udited By: CS	Methodology: M/F CFU/100ml						
Analysis Date & T	ime:		Enumerat	ted By: Au	ıdited By:	HPC Methodology: SP CFU/1ml;	FS Methodology:	: M/F CFU/100ml				
Transcribed	d By: ST	<u> </u>		Authorized & Rechecke	ed By: LJ/TJ/KN	Copy Released E	By: GD/AB/TW	1		<u>-</u>		
	Lab No.	Subm	itting Agency @		Health Unit @	Spills Action Centre (SAC) @	)	AWQI#	Ву:	Date:		
est Methodology and De	tection Limit											
otal Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml					
otal Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml					
. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml					
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml					
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml					
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml					
aecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml					

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4260 Burnside Line, R.R. #4	
Orillia, ON L3V 6H4	
Tel: (705) 326-8285 Fax: (705) 326-9316	
www.coalab.ca	_

		I	Final Certificate of Microbiole	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-18 14:15
2015-06-18 13:36	22.2	AF	HPC & FS Date & Time Incubated:	

(DVV3) #	ricase see below	received	6
(DWS) #	Please See Below	# of samples	
Drinking Water Sys	stem	sent	6
Name of Facility	Washago Sector	Total # of pages sent # of samples	2
Collected By:	Kim Marshall	Regulation	318/08
Sampled:	2015-06-18	Systems Health Unit	SMDHU
Date		Twp/Town	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/

Submitted By: Kim Marshall

Comments

				Temp. Of	 Treat	ment Inforr	mation		To	tal Coliform		E. coli	В	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Lock 42																
08:50		2597 Bonsor Rd.	D					010398		0		0		80			
		·															
	Lock 43																
10:25		19 SR 409 Unit 1	D					010399		0		0		0			
		Lock 44															
12:00		7001 Upper Big Chute Rd.	D					010400		0		0		26			
		Lock 45															
12:45		175 Port Severn Rd. N.	D					010401		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

HPC = Heterotrophic Plate Count

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MOHLTC).

HPM = Heavy Particulate Matter

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received F.S. and HPC require 48 hours of incubation

Distribution = D
Point of Entry = E
Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time:	2015-06-19	12:30 Enumerated By:	HM Audited By	LJ	Methodology: M/F CFU/100ml		
Analysis Date & Time:		Enumerated By:	Audited By		HPC Methodology: SP CFU/1ml; FS Met	hodology: M/F CFU/100ml	
Transcribed By:	ST	Authorize	ed & Rechecked By: L	I/TJ/KN	Copy Released By:L		
Lab N	0.	Submitting Agency @	Health U	nit @	Spills Action Centre (SAC) @	AWQI#	By:

	Lab 140.		intiling rigorioy @				
Test Methodology and Det	tection Limit						
Total Coliform (Treated)	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 n
Total Coliform (Untreated)	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 n
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 n
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 n
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 n
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Strentococcus	COAL ES	Detection Limit	0 - 80	Penortable Limit:	1	Performed by Membrane Filtration	M/F CELI/100 n

Final Certficate, PITA 102, 1311, Revision 1.3

Date:

F.S. & Faecal Strep. = Faecal Streptococcus

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Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

			Final Certificate of Microbiol	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-06-18 14:15
2015-06-18 13:36	22.6	AF	HPC & FS Date & Time Incubated:	

		received	U
(DWS) #	Please See Below	# of samples received	6
Drinking Water Sy	stem	# of samples sent	6
Name of Facility	Washago Sector	Total # of pages sent	2
Collected By:	Kim Marshall	Regulation	N/A
Sampled:	2015-06-18	Systems Health Unit	SMDHU
Date		Twp/Town	Kawartha Lakes

Report To:	Trent Severn Waterway Kirkfield Sector	ATTN: Chu	ck Wilkinson					
Address:	2023 Kirkfield Road Kirkfield, ON. K0M 2B0							
Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email					
Email Addre	ess: chuck.wilkinson@pc.gc.ca; kim.marsha	all@pc.gc.ca	a; nicole.hamilton@pc.gc.ca					
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390								

Kim Marshall Submitted By:

Conditions/ Comments

				Temp. Of		Treat	ment Inforr	mation		To	otal Coliform		E. coli	Е	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type		U.V.	Other		Free Cl <sub>2</sub> (mg/L)		>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Bridge 57																	
09:10		1641 Peninsula Pt. Rd.	D						010402		0		0	^	200			
	Washago Shop																	
08:40		3321 Bond St.	D						010403		0		0		0			
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All samples will be considered DISTRIBUTION samples unless otherwise indicated.

COAL Endo Detection Limit

COAL DC Detection Limit

COAL HPC Detection Limit

COAL FS Detection Limit

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Indicates Deterioration:

Indicates Deterioration:

Indicates Deterioration:

Reportable Limit:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = RDistribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

0 - 200

0 - 200

0 - 80

10 - 2.00 x 10<sup>3</sup>

For collection and handling procedures visit www.coalab.ca/watersamples.html

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptocoo	ccus HPC = H	leterotrophic Plate Count	HPM = Heavy Partie	culate Matter		N/R = Not Received		F.S. ar	nd HPC require 4	18 hours of incu	bation	R	aw Water C	comsumed = RWC
Analysis Date & Time:	2015-06-1	9 12:30 E	Enumerated By:	HM Audited By:	LJ	Methodology: M/F CFU/100	Oml							
Analysis Date & Time:		E	Enumerated By:	Audited By:		HPC Methodology: SP CFU	J/1ml; FS Me	ethodology:	M/F CFU/10	00ml				
Transcribed By:	ST		Authorized	& Rechecked By: LJ	/TJ/KN	Copy Relea	ased By:	LJ/AB				_		
Lab No	o. <b>010402</b>	Submitting Age	ncy @ courtes	y notice Health Ur	nit @ <b>N/A</b>	Spills Action Centre (SA	AC) @	N/A	AWQI#	N/A	Ву:	нм	Date:	2015-06-19
Test Methodology and Detection I	_imit													
Total Coliform (Treated) COAL	Endo Detection	Limit 0 - 80	Reportabl	e Limit:	1 Perfo	ormed by Membrane Filtration	M/F	CFU/100 ml						
Total Coliform (Untreated) COAL	DC Detection	Limit 0 - 80	Reportabl	e Limit:	1 Perfo	ormed by Membrane Filtration	M/F	CFU/100 ml						
E. coli COAL	DC Detection	Limit 0 - 60	Reportabl	e Limit:	1 Perfc	ormed by Membrane Filtration	M/F	CFU/100 ml						

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Spread Plate

>200

>200

>500

Final Certficate, PITA 102, 1311, Revision 1.3 Page 1 of 1

Background

Background

Faecal Streptococcus

HPC

ENTD	۸۱ ۵	NTARIO ANALYTICAL L	A BO	DAT	OPV	INI	C		C	hain of	Custod	iy		Pr	imary Rep	ort of Micr	obiological A	analysis of Dr	rinking Wate	er Only
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M with 12- clock or	Sample	(D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed	-				(Indicate		je je	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	orine	10000000	eck if	Laboratory Number	CFU/100 ml	CFU/100 ml	CFU/100 ml	CFU/1 ml	CFU/100	
24-hour lock)	0, 0	(E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment		170/03	319/08	4	°F or °C)	UV	Other	Total mg/L	Free	HPC							mi	
OCK)		Deldes 57	1;	-   60	) m   2	Ž		133	-	mgrc	mg/L	Ï	FS	TH	IIS AREA IS	FOR LABO	RATORY USE	ONLY		3
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NOH. TO Reg 318/08; 319/08. Failure to do so is an offence under the Act (SDVAL 2002), O. Reg 318/08; 319/08 (pease see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "like person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT

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	42 O Te <u>w</u>	260 Burnside Line, R.R. #4 prillia, ON L3V 6H4 el: (705) 326-8285 Fax: (705) 326-9 ww.coalab.ca			nship/To			FOR LAB USE	RE		ED /	Received: Initials of Re	lr H Da	pc & FS	JUN 3	0 2015	15:33
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s Assigned	Ву МО	stem (DWS) # DE/MOHLTC) Please See Below						"Li	ve Person	" After Hou	rs Contac	t Name and Tel. No:	Chuck Wil	kinson 705	-887-8390		
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Time Sampled (Indicate MPM with 12-	Sample Identifier	Sampling Location Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw-Before Treatment & Not Consumed	er p	ures Notific er SDWA 2 lease check	002	Temp. of Sample (Indicate		dicate			Addition Paramet Please Check	Laboratory Number	Total Coliform	E. coli	Background	HPC	Faecal Strep
our clock or se 24-hour clock)	Si	(E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment	170/03	318/08.	N/A	°F or °C)	UV	Other	Total mg/L	Free mg/L	Require		CFU/100 ml	CFU/100 mi	CFU/100 ml	CFU/1 ml	ml
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Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and to.

MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to.

MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or sad researched and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-3288 (School)



### Central Ontario Analytical Laboratory Inc.

4260 Burnside Line, R.R. #4 Orillia, ON. L3V 6H4 Tel: 705-326-8285 Fax: 705-326-9316

Email: coal@on.aibn.com Web: www.coalab.ca

#### THIS IS A COURTESY NOTIFICATION TO ASSIST YOU

This notification is to inform you that your sample has an elevated count of one of the following: Lab# 011313

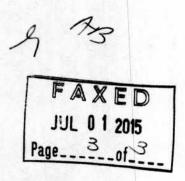
☐ Heterotrophic Plate Counts (HPC) greater than 500 (> 500)

Background Counts greater than 200 (> 200).

This can be viewed as an indicator of deterioration in the drinking water quality, which may lead to the development of total coliforms in your system. Elevated counts may suppress or mask the development of total coliforms in your laboratory results.

If there is ongoing elevated Heterotrophic Plate Counts or Total Coliform Background. the system should be inspected to determine the cause.

PLEASE REMEMBER: THESE ARE NOT REPORTABLE TO THE M.O.E. AND HEALTH UNIT. This notice is used to assist you in maintaining the quality of your water and to help prevent an adverse water quality incident.



## ADVERSE WATER QUALITY FORM – Parks Canada

FAX TO: Nicole Hamilton 705 750 4934

Sector from which Adverse came from (See List)

Health Authority: Refer to Table 1

Fax: 705-689-1797

Adverse Result:	Sample ID & Location:
TC: 13	Bridge 57
Oral Notification To Park	s Canada Sector(all samples)
Person Contacted:	Date & Time:
Vickie Baldwin	Jul 1/150 14:07
Person Notifying:	Position/Lab:
Lesley Johnston	COAL
Oral Notification	To Parks Canada Site
Person Contacted:	Date & Time:
Chuck Wilkinson	Jul 1/15@ 14:08
Person Notifying:	Position/Lab:
Lesley Johnston	COAL.
	Health Authority Contact
Person Contacted:	Date & Time:
Perry Bull-Smoth	15:10 Jul 1/15
Person Notifying:	Position/Lab:
Lesly Johnston	COAL
Laboratory R	eport Completion
Prepared By: L Johnston	Date: Juli/15
Approved By:	Date:
Sent to Sector Contact via Fax: See Contact Sheet	Date: Juli15
Sent to Duncan Manser & Health Authority	Date:

duncan . manser @ pc. gc. ca

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	LA	BOR	ATC	RY	

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			Final Certificate of Nitrate and Nitrite Analysis of Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	
2015-07-14 13:22	22.9	DB	

Date		Twp/Town	Severn					
Sampled:	2015-07-14	Systems Health Unit	SMDHU	Report To:	Trent Severn Waterway ATTN: Chuck	k Wilkinson		
Collected By:	Ellie Wright	Regulation	N/A	Address:	2023 Kirkfield Road, P.O.Box 10 Kirkfield	d, ON K0M 2B0		
Name of		Total # of pages sent	1	Telephone:	705 438-3153	Ext:	Fax: 705-438-5201 + Scan & Email	
acility	Washago Sector	# of samples	_	Email Addre	ss: chuck.wilkinson@pc.gc.ca; kim.mar	shall@pc.gc.ca; nic	cole.hamilton@pc.gca.ca	
Orinking Water Syste	m	sent	5	4				
DWS) #		# of samples received	5	"Live Persor	" After Hours Contact Name and Tel. No:	Chuck Wilkinso	on 705-887-8390	
			,	-				_
Submitted By:	Ellie Wright	Comments						

T:	Commis		Metan	Temp. Of		Treat	ment Inforn	nation	l ab anatam.	١	Nitrate as N		Nitrite as N	Nitr	ate + Nitrite as N	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	mg/L	>/<	mg/L	>/<	mg/L	
09:15		Lock 42 2597 Bonsor Rd	Е						SFA-202		0.019	<	0.010		0.019	
09:30		Bridge 57 1641 Penninsula Pt. Rd	Е						SFA-203		0.081	<	0.010		0.081	
11:50		Lock 44 7001 Upper Big Chute Rd	Е						SFA-204		0.082	<	0.010		0.082	
12:30		Lock 45 175 Port Severn Rd N	Е						SFA-205		0.067	<	0.010		0.067	
08:00		Washago Shop 3321 Bond St	Е						SFA-206		0.060		0.019		0.079	

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

Point of Entry = E

Distribution = D

Raw = R

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

N/A = Not Applicable

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received

Raw Water Comsumed = RWC

Trans	Analysis Date	-	7-17 13:30	, , <u>——</u>	dited By:		thodology: SFA mg/L				
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	Lab No:	Parame	ter:	Submitting Agency @	н.	U. @	SAC @	AWQI#	By:	Date:	
Test Methodology	(SFA) and Detection L	.im									
Nitrate	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L	Methodology:	Automated Colourmet	ric Determination of N	itrate as N is wat	ter samples (modified EP	A353.2)
Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	1.0 mg/L	Methodology:	Automated Colourmet	ric Determination of N	itrite as N is water	er samples (modified EPA	(353.2)
Nitrate + Nitrite	COAL N	Detection Limit	0.010 mg/L	Reportable Limit:	10.0 mg/L	Methodology:	Automated Colourmet	ric Determination of N	itrate + Nitrite as	s N in water samples (mod	lified EPA 353.2)

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Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "like porson" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or sad research(s) inclusive in the standard price. After hours phone number for adverse resample onergencies 705-323-2828 (Southern place).

Primary Report of Microbiological Analysis of Drinking Water Only

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ed, misidentification of 100 mg Samples or incorrect quantity, this is the responsibility of the submitting agency. If holding time is required the laboratory will add the preservative. NIS = Not in Service NIR = Not Received NIA = Not Applicable FOR LABORATORY USE ONLY / LABORATORY COMMENTS

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Port annot be alected without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 318/08; 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOEIMOH-Waterworks for O. Reg 318/08; 319/08 and to MOHALION/WATER COMPLETED A solution of a solution of a solution of exceedances must be reported to MOEIMOH-Waterworks for O. Reg 318/08; 319/08 and to O. Reg 318/08 and

Primary Report of Microbiological Analysis of Drinking Water Only Establishment of the second of 0 97 67 70 CFU/100 Check By: Facca. Strep 705-438-5201 + Scan & Email Ē Pre-Fax CFU/1 m SH 2.8 2015 must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accorded by SCC and licensed by MOE in those specific in the cosponishing of the processing procedures and incorrect quantity, this is the responsibility of the submitting agency. For collection and handing procedures with www.coalab calvatersamples him. Separate bettle required for additional parameters. FS & Faceal Streptococcus. HPC = Hejerotrophic Plate Court. HPM = i-beay. All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca THIS AREA IS FOR LABORATORY USE ONLY Background CFU/100 ml Chuck Wilkinson 705-887-8390 Methodology (COAL HPC): SP CFU1003 Wethodology (COAL FS): M/F CFU/100mi Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 0 ( CFU/100 ml Incubated: Date & Time HPC & FS E. col! incubated: 0 Methodology (COAL'Endo - COAL (CO): M/JB[L/109mg 2015 CFU/100 ml Total Coliform Initials of Receiver: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Laboratory Number "Live Person" After Hours Contact Name and Tel. No: 111 Control of the contro 75750 RECEIVED AB 8.7 JUL 28 2015 12-40 Date/Time/Temp. (°C) Received: Check if Parameter Required FS Picase ОдН Chain of Custody 202 indicate Type/Chiorine Levels Operational/Field Free mg/L Freatment Information Chlorine Email Address: Telephone: Report To: Total mg/L Address: ONTA FOR LAB USE Other 3 Audited By: Audited By: For C) Temp. of Indicate Sample RMDHD K CENTRAL ONTARIO ANALYTICAL LABORATORY INC. ownship/Town Requires Notification as > > > > > > 0 per SDWA 2002: (Please check one) 80/618 this page # of samples r'cvd Analysis Date & Time: JUL 2 9 2015 (330 Enumerated By: GO Cotal # of pages # of samples sent .Systems Heath Unit Conditions: Comments/ 318/08 this page sent Enumerated By: 170/03 Tel: (705) 326-8285 Fax: (705) 326-9316 escribe the location AND indicate an appropriate letter 34223 Mara Eldon Boundary Rd. (D) 1202 Ramara Rd. Lakeshore (D) FOR LABORATORY USE ONLY / LABORATORY COMMENTS Please See Below (RWC) Raw Water - Consumed without Treatment 00° (R) Raw - Before Treatment & Not Consumed Sampling Location Kirkfield Shop 4260 Burnside Line, R.R. #4 46 Talbot St. (D) Bridge 44 Bridge 50 Kirkfield Sector 7/10 Olie Jan (E) Point of Entry - Consumed Orillia, ON L3V 6H4 Distribution - Consumed www.coalab.ca FIIIE ( Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) class fication Sample Identifier Analysis Date & Time: Collected By: (Please Print) Submitted By: Please Print) AWPM with 12-Signature: rour clock or Name of Signature Sampled use 24-hour 30:00 Sampled:

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8:00

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Time

NOHLEWON Reg 318 33, 319/38 Falve to do so is an effence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & errall end or nosts a real and consists and in a sent by fax to one number or scan & errall end or nosts a real and or nosts. MOH/Waterworks for O. Reg. 170/03 and to Invoiced nearned be altered without approval of GOAL. The Safe Drinking Water Act (5DWA 2002), O. Reg 170/03 and O. Reg 3/8/08, 3/9/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE. . Ner furscabed and emaigate an unimited number of addressee(s) inclusive in the standard price. After hours pace number for adverse resample emergences 705-323-3828 (Surcharge for after hours samples)

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Email H.U.:

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Authorized By:

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Reported to Submitting Agency @

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Lab No:

Primary Report, PITA 101, 1206, Revision 1.2

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

Form dannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 17003 and O. Reg 318/08; 318/ her reserved and emailed to an unmitted number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

MOE/MOHLTC

Email H.C.

Email/Mail Customer:

Authorized By:

Transcription Verified By: Approved for use by TJ prior to use.



## Central Ontario Analytical Laboratory Inc.

4260 Burnside Line, R.R. #4 Orillia, ON, L3V 6H4

Tel: 705-326-8285 Fax: 705-326-9316

Email: coal@on.aibn.com Web: www.coalab.ca

### THIS IS A COURTESY NOTIFICATION TO ASSIST YOU

This notification is to inform you that your sample has an elevated count of one of the following:

Heterotrophic Plate Counts (HPC) greater than 500 (> 500)

Background Counts greater than 200 (> 200).

GO

This can be viewed as an indicator of deterioration in the drinking water quality, which may lead to the development of total coliforms in your system. Elevated counts may suppress or mask the development of total coliforms in your laboratory results.

If there is ongoing elevated Heterotrophic Plate Counts or Total Coliform Background, the system should be inspected to determine the cause.

PLEASE REMEMBER: THESE ARE NOT REPORTABLE TO THE M.O.E. AND HEALTH UNIT. This notice is used to assist you in maintaining the quality of your water and to help prevent an adverse water quality incident.

SCANNED & EMAILED -07-30 Z3.5

BY

FAXED

JUL 3 0 2015

Page\_\_\_\_01\_\_\_

	4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316	0378		Date/Time/Temp. (%	C) Received:	initials of Receiver:	Date & Time incubated:	2 9 2015 / (	1
Date 2	www.coalab.ca	Towns	W.	NO	JUL 2 9 2015 14:35	33.5	HPC & FS Date & Time Incubated:		
700 =	CHICK DICKINSON		RMDHD	Report To: Trent Sc	evern Waterway Kir	Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson	: Chuck Wilkinson		
Signature;		sont sont		Address: 2023 Kir	2023 Kirkfield Road Kirkfield, ON. K0M 2B0	ON. KOM 2B0	o loc		
Name of Facility:	Washado Sector	this page the families sent this page the families found		Telephone: 705	438-3153	Ext:	Fax: 705-438-5201	38-5201 + Scan & Email	
Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC)	Please See Below	this page	8	Email Address: chuck.wilkinson@pc.gc.ca; kir	ck.wilkinson@pc.gc.	ca; kim.marshall@pc	chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca	@pc.gc.ca	
Submitted By: (Please Print) Signature:	CHUCKIWICK 1250.	Conditions: 013	794-B	4-Boffles Says	Hamer	1	A.D. (105-887-8390		2
Time	Sampling Location	Specifical Modification		Treatment Information -	Additional				
Sampled  • (Indicate  AW/PM with 12  hour cock or 05  use 24-hour  dook)	Classification.  (i) Distribution - Consumed (R) Not Consumed (R) Raw Water - Consumed without Treatment R	T	Temp. of Sample (Indicate %F or %C)	Indicate Type/Chlorine Levels Operational/Field Chlorine Define Total Free	Parameter Please Check if Laboratory Number Required	Total Coliform CFU/100 ml	E. coi: Background	d riPC Faccal Strop CFU/100	.a. 00
	Bridge 57	3.		mg/r. mg/r.	SH ES	THIS AREA IS	THIS AREA IS FOR LABORATORY USE ONLY	SE ONLY	
1:05	1641 Penninsula Pt. Rd. (D)	>			Pro Properties of the Control of the	English and State of			
		>				111111111111111111111111111111111111111	)		
	Washago Shop								
1:25	3321 Bond St. (D)	> >			Tylebourg grants grants gr		0		
All samples will b	All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to aboratory.	ss otherwise indicated.	Sampling Precau	ions: Transport water samples	s under refrigeration to lab	oratory. The samples req	The samples require analysis ideally within 30 hours and	30 hours and	
must be analyzed with a crob program submitting agency. F. Particulate Matter N/F.	must be analyzed within 48 hours of collection. Analysis performed by qualified analysis. Results related the aliquot submitted. Samples have been analyzed as recoved. COAL is accredited by SCC and incorrect by Qualified analysis. Results related to the acceptance of physical parameters; prt. turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity. This is the disponsibility of the second first or collection and handling procedures vist www.coalandersamples html. Separate bottle required for additional parameters. FS & Faccal Streptococcus in IPOC in telepholographic Plate Count. In IVN = Heavy Matter. NIR = Not Recovery FS and FFO or incorrect Analysis.	equalified analysts. Results reported to the strain of above that the strain and alkal above the strain of the str	olate only to the ali inity. COAL accept parate bottie requi	quot submitted. Samples have sino responsibility for paramete od for additional parameters. F	been analyzed as receiver s solected, misidentifications S & Faccal Strep, = Facc	COAL is accredited by 8 on of samples or incorrect all Streptococcus, HPC = +++	Samples have been analyzed as received. COAL is accredited by SCC and licensed by WOF in those specific by for parameters selected, misdentification of samples or incorrect quantity, this is the responsibility of the parameters. FS & Faecal Streptececcus LIPC in relevance Plate Count. May Helayy.	those specific Pre-Fax Nim Hoavy Check By:	g ×
FOR LABORATOR	FOR LABORATORY USE ONLY / LABORATORY COMMENTS								
Anaiysis Date & Time:	JUL 3 0 2015	Enumerated By:	Audited By:	Methodology	Methodology (COAL Endo - COAL DC): M/F CFU/100ml	C): M/F CFU/100ml	3 -		
Analysis Date & Time;		Enumerated By:	Audited By:	Methodology	(COAL HPC): SP CFU	1ml; Methodology (CO/	Methodology (COAL HPC); SP CFU/Im; Methodology (COALFS); M/FCFU/100mlm	1 3 8 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2	r E
Lab No:	Reported to Submitting Agency @	@ >	H.U. (0)	SAC @	AWQI#	By:	Date:	rageof	-11
Transcribed By:	Transcribed Transcription Report By: Verified By: Authorized By:	Report Authorized By:		Emaii/Mail Customer:	Email H.U.:	MOE/MOHLTC Upload:	1.7C	Invoiced:	
Carola not see and or	WITTOUT APPROVATION COME. THE GARD CHINKING WATER ACT TO	JWA ZUUZ), O. Reg 170/US and U	Rea 318/08: 319/08	(please see www.ene.nov.on.ca.fo	r mora information requires	the state of Canting and			

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

NON-LONGHWaterwark of C Reg 31808, 31908 Enter to do so is an offerce under the Act. Health Unit topprone and star missing appearance, It is necessary that the above information is complete. A live person" must be available in the overt that notification is required. THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or osstal mai and the interior and considered in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples).

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(s) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or sca a email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-525-2828 (Surcharge for after hours samples)

OL-11- - £ O. - £- J.

Primary Report, PITA 101, 1206, Revision 1.2 Drimary Report, DIA 101, 1206, Revision 1.2

	4260 Burnside Line, R.R. #4
1270	Orillia, ON L3V 6H4
	Tel: (705) 326-8285 Fax: (70
LABORATORY	www.coalab.ca

Nitrate

Nitrite

Nitrate + Nitrite

COAL N

COAL N

COAL N

Detection Limit

Detection Limit

Detection Limit

0.010 mg/L

0.010 mg/L

0.010 mg/L

Reportable Limit:

Reportable Limit:

Reportable Limit:

			Final Certificate of Nitrate and Nitrite Analysis of Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	
2015-08-12 14:25	22.8	MH	

LABORATORY		705) 326-8285 Fax: (705 coalab.ca	) 326-	9316					2015-08-	12 14:25	22		1					
Date Sampled:		2015-08-12	Syst	Town ems h Unit		vern DHU		Repo	ort To: <b>Tr</b>	ent Severn Wa	terwa	y ATTN: Chu	ck W	ilkinson				
O-IItI D.		I/ Marahall					<u>'</u>	Addr	ess: 20	23 Kirkfield Roa	ıd, P.0	D.Box 10 Kirkfi	eld, C	N K0M 2B0				
Collected By: Name of		K Marshall evern Waterway Washago	Total	-		I/A		Tele	phone: 7	705 438-3153				Ext:		Fax: 705-438-5	201 + Scan &	Email
Facility		Sector	pages # of sa			1		Ema	il Address:	chuck.wilkins	on@r	oc ac ca. leigh	trethe	wev@nc.ac.ca	a. wavi	ne harnell@nc.	nca ca	
Drinking Wat	er System		# of sa	ent		6											<u> </u>	
(DWS) #				eived		6		<u>"Live</u>	Person" A	After Hours Conta	ct Nar	ne and Tel. No:		Chuck Wilkin	son /	05-887-8390		
Submitted By:		K Marshall		ditions/ nments														
Time	Comple			Water	Temp. Of		-т	ment Inforr	nation	Loborotoni		Nitrate as N		Nitrite as N	Nitra	ate + Nitrite as N		
Sampled	Sample Identifier	Identification of Collection S	Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	mg/L	>/<	mg/L	>/<	mg/L		
09:40		Lock 42 2597 Bonsor Rd		D						SFA-283		0.043		0.022		0.065	]	
09:10		Bridge 57 1641 Penninsula P	t. Rd	D						SFA-284		0.013		0.011		0.024		
11:00		Lock 43 19SR409 Unit 1		D						SFA-285		0.118		0.011		0.129		
12:30		Lock 44 7001 Upper Big Chut	te Rd	D						SFA-286		0.045	<	0.010		0.045		
01:30		Lock 45 175 Port Severn Ro	d N	D						SFA-287		0.029		0.010		0.039		
08:30		Washago Shop 3321 Bond	l St	D						SFA-288		0.066		0.013		0.080		
																	<u> </u>	
																	<u></u>	
																	<u> </u>	
Health and Lo Analysis perform COAL accepts r	ong Term ( ned by qualifi no responsibi	sidered DISTRIBUTION samp Care (MoHLTC). led analysts. Results relate only to lity for parameters selected, misidel procedures visit www.coalab.ca/wate N/R = Not Received	the aliqu	ot submitte n of sample es.html	ed. Samples	have	been a	ınalyzed as r	eceived. C	OAL is accredited b	y SCC	-		-		. ,	·	Raw = R Distribution = D Point of Entry = E Comsumed = RWC
	Analy	/sis Date & Time: 2015-08-1	17 16:0	-0 Δ.	oluzod Pur		TI	Auditad	D. e	I I Mothodol	001 C	E4 ma/l						
Tro		y: DL	17 10.3							LJ Wethodol			1 1//	B/DB/KNI				
110	inscribed b	y. <u>DL</u>		A	uliionzeu o	Reci	песке	и Бу	LJ/ I J/KIN	<del></del>	Сору	Released by	LJ/F	ND/DD/KIN			_	
	Lab	No: Paramete	r:		Submi	tting	Agend	су @	H.U	. @ S	AC @	AW	QI#_	Ву: _		Date:		<u>—</u>
Test Methodolog	gy (SFA) and	Detection Lir																

1.0 mg/L Methodology: Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2)

10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2)

Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2)

10.0 mg/L Methodology: Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2)

	130	25	
1	2 EV	13	
		1	7
3		1	
	LABORATOR	Y	

Date Sampled:

Collected By:

**Drinking Water System** 

Name of

Facility

(DWS) #

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-08-12

K. Marshall

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

<u>a</u>		
	Twp/Town	
5-08-12	Systems Health Unit	SMDHU
. Marshall	Regulation	318/08
Contain	Total # of pages sent	2
nago Sector	# of samples sent	6
Please See Below	# of samples	6

Final	Certificate of	of Microbiolo	gical Analysi	is of Drinking	Water
ııııaı	oei illicate t		gicai Ailaiysi	is of Dilliking	**atci

HPC & FS Date & Time	Date & Time Received:	Temp. Rec'd.	Receiver:	Date & Time Incubated:	2015-08-12 14:45
2015-08-12 14:23 22.8 MH Incubated:	2015-08-12 14:23	22.8	МН	HPC & FS Date & Time	

2023 Kirkfield Road Kirkfield, ON, K0M 2B0 Address: Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.qc.ca; kim.marshall@pc.qc.ca; nicole.hamilton@pc.qc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Submitted By: K. Marshall Comments

				Temp. Of		Treat	ment Inforr	nation		To	otal Coliform		E. coli	Е	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 mI	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42																
09:40		2597 Bonsor Rd.	D						014859		0		0	^	200			
		Lock 43																
11:00		19 SR 409 Unit 1	D						014860		0		0	^	200			
		Lock 44																
12:30		7001 Upper Big Chute Rd.	D						014861		0		0		0			
		Lock 45															•	
01:30		175 Port Severn Rd. N.	D						014862		0		0		0			
																	•	

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date & Time: 2015-08-13 13:00 Enumerated By: GD Audited By: TW Methodology: M/F CFU/100ml

HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: Audited By: Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/HM/KN

Spills Action Centre (SAC) @ AWQI# Lab No. 014859 + 014860 Submitting Agency @ Courtesy Notice Health Unit @ By: GD Date: 2015-08-13

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Total Coliform 0 - 80 E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration M/F CFU/100 ml Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Performed by Membrane Filtration Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

CENTRA	4260 I Orillia Tel: (7	ARIO ANALYTICAL Burnside Line, R.R. #4 ON L3V 6H4 (05) 326-8285 Fax: (705) 3 coalab.ca	_	TORY	INC	<b>;</b> .	[	Date & Time 2015-08-	e Received:		C):	F ceiver: MH		e Incu	ıbated:	gical	<b>Analysis of I</b> 2015-08-1	Orinking Water 2 14:45
Date Sampled:		2015-08-12	Twp/Town Systems	CMI	DHU		Rep	oort To: <b>Tr</b>	ent Severn Wa	terw	ay Kirkfield	Sect	-	uck	Wilkinson			
Collected By:		K. Marshall	Health Unit		/A		Add	lress: 20	23 Kirkfield Ro	ad Ki	rkfield, ON.	K0M 2	2B0					
Collected By: Name of		N. Iviaisiiaii	Regulation  Total # of pages sent		2		Tele	ephone:	705 438-3153				Ext:		Fax: 705-	438-5	5201 + Scan	& Email
Facility	0	Washago Sector	# of samples		6		Ema	ail Address:	chuck.wilkins	on@	pc.gc.ca; ki	m.mai	rshall@pc.gc.	ca; r	nicole.hamilto	n@po	c.gc.ca	
Drinking Wat (DWS) #	er System	Please See Below	# of samples received		6 6		"Liv	e Person" ,	After Hours Conta	ict Na	me and Tel. N	lo:	Chuck Will	kinsc	on 705-887-8	390		
Submitted By:		K. Marshall	Conditions/ Comments															
T'	0		)A/-/	Temp. Of		Treat	ment Infor	mation	Labaratan	Т	otal Coliform		E. coli	E	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	e Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 m	l >/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57				Ť												
09:10		1641 Peninsula Pt. Rd.	D						014863		0		0		0			
		Washago Shop																
08:30		3321 Bond St.	D						014864		0		0		0			
										-								
								1		-								
										+								
All times are Analysis perforn inorganic and ph COAL accepts r	transcribed ned by qualified nysical parame no responsibilit	dered DISTRIBUTION samples u in the 24-hour clock for upload to d analysts. Results relate only to the alid ters: pH, turbidity, and alkalinity. y for parameters selected, misidentificat	to the Ministry quot submitted. Sa tion of samples or i	of the Envi	ronm been a	analyze	ed as receiv	red. COAL is	accredited by SCC	_	•		,	ologica	al parameters and	I the fo	llowing	Raw = R Distribution = D
F.S. & Faecal Stre		ocedures visit www.coalab.ca/watersamp otococcus HPC = Heterotrophic Plate Co		= Heavy Partic	ulate M	atter			N/R = Not Received				F.S. and HPC	require	e 48 hours of incuba	tion	Raw Water	Point of Entry = E Comsumed = RWC
Analysis	Date & Time	2015-08-13 13:00	Enumerate	ed By:G	BD	Au	dited By:	TW	Methodology: N	л/F С	FU/100ml							
Analysis	Date & Time	e:	Enumerate	ed By:		Au	dited By:		HPC Methodolo	ogy: S	P CFU/1ml; I	S Met	hodology: M/F	CFU/	/100ml			

Transcribed By: DL Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/HM/KN Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Test Methodology and Detection Limit M/F CFU/100 ml Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml Faecal Streptococcus COAL FS Detection Limit Performed by Membrane Filtration M/F CFU/100 ml 0 - 80 Reportable Limit:

12		Par	>
1	2	11	
3	6	1/1	
	8	BORATO	

Date Sampled:

Collected By: Name of Facility

(DWS) #

Submitted By:

**Drinking Water System** 

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

2015-08-25

Washago Sector

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

	Twp/Town		
_	Systems Health Unit	SMDHU	
	Regulation	318/08	
	Total # of pages sent	2	
_	# of samples	6	

6

# of samples

received

Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-25 15:30
2015-08-25 13:55	15.1	ST	HPC & FS Date & Time Incubated:	

Report To: Trent Severn Waterway K	irkfield Sector A	ATTN: Ch	uck Wilkinson
Address: 2023 Kirkfield Road Kirkfield	d, ON. K0M 2B0		
Telephone: 705 438-3153		Ext:	Fax: 705-438-5201 + Scan & Email
Email Address: chuck.wilkinson@pc.go	c.ca; kim.marshal	l@pc.gc.c	a; nicole.hamilton@pc.gc.ca
"Live Person" After Hours Contact Name a	nd Tel. No:	Chuck W	lkinson 705-887-8390

Please See Below

Conditions/ Date sampled as per Chuck to AB @ 14:00 2015-08-25. AB Comments Time sampled for Lock 45 as per Kim Marshall to AB @ 14:05 2015-08-25. AB

				Temp. Of	L	Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other		Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Lock 42																		
09:30		2597 Bonsor Rd.	D						015854		0		0		38			
		Lock 43																
10:44		19 SR 409 Unit 1	D						015855		0		0		0			
		Lock 44																
12:30		7001 Upper Big Chute Rd.	D						015856		0		0		0			
		Lock 45																
13:00		175 Port Severn Rd. N.	D						015857		0		0		0			

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = RDistribution = D

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Analysis Date & Time:	2015-08-2	6 14:30 En	numerated By: G	D Audited By:	CS	Methodology: M/F CFU/100ml					
Analysis Date & Time:		En	numerated By:	Audited By:		HPC Methodology: SP CFU/1ml; FS	Methodology: N	M/F CFU/100ml			
Transcribed By:	ST		Authorized &	Rechecked By: LJ/T	J/KN	Copy Released By:	GD/AB/HM				
Lab	No	Submitting Agen	су @	Health Unit	@	Spills Action Centre (SAC) @		AWQI #	Ву:	Date:	
est Methodology and Detectio	n Limit AL Endo Detectior	n Limit 0 - 80	Reportable I	Limit: 1	F	Performed by Membrane Filtration N	WF CFU/100 ml				

Test Methodology and D	etection Limit						
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
E. coli	COAL DC	Detection Limit	0 - 60	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL Endo	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
Background	COAL DC	Detection Limit	0 - 200	Indicates Deterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates Deterioration:	>500	Performed by Spread Plate	SP CFU/1 ml
Faecal Streptococcus	COAL FS	Detection Limit	0 - 80	Reportable Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml

Final Certficate, PITA 102, 1503, Revision 1.4

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	ATORY

Total Coliform

Total Coliform

Background

Background

Faecal Streptococcus

E. coli

HPC

Approved for use by TJ prior to use.

COAL DC

COAL DC

4260 Burnside Line, R.R. #4

			Final Certificate of Microbiolog	gical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-08-25 15:30
2015-08-25 13:55	15.1	ST	HPC & FS Date & Time Incubated:	

		ON L3V 6H4 (05) 326-8285 Fax: (705)	326-9316					Date & Tim	e Received:	emp. (°C	Rec'd. Rec	eiver:	Date & Time			<u> </u>	2015-08-2	5 15:30
LABORATORY		coalab.ca						2015-08-	25 13:55	15	5.1 S	ST	Incubated:	ate o	k TIME			
Date Sampled:		2015-08-25	Twp/Town Systems	CM	DHU		Rep	ort To: <b>T</b> ı	rent Severn Wat	erwa	y Kirkfield S	ector	ATTN: Chuc	k W	ilkinson			
0.11			Health Unit				Addı	Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0										
Collected By: Name of			Regulation Total # of		I/A		Tele	phone:	705 438-3153				Ext:		Fax: 705-	438-5	5201 + Scan &	Email
Facility	1	Washago Sector	pages sent # of samples				Ema	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca										
Drinking War (DWS) #	ter System	Please See Below	# of samples received		6 6				After Hours Contact						n 705-887-83		,.ou	
			Conditions/			20.00	or Chuck t	ο AR @ 1	4:00 2015-08-25	ΛR								
Submitted By	:		Comments	Date Sail	ipieu	as pe	SI CHUCK I	0 AB @ 1	4.00 2013-00-23	. AD								
T:	Comple		\\/ - t = -	Temp. Of		Treat	ment Infor	mation	Labaratan	T	otal Coliform		E. coli	В	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection S	ite Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57																
09:46		1641 Peninsula Pt. Rd.	D						015858		0		0		0			
		Washago Shop									_		_		_			
09:15		3321 Bond St.	D						015859		0		0		0			
•		idered DISTRIBUTION samp in the 24-hour clock for uplo					ent (MOE)	and/or Mi	nistry of Health a	nd Lo	ong Term Care	e (Mo	HLTC).					
		ed analysts. Results relate only to to cal parameters: pH, turbidity, and all		ted. Samples	s have	been a	analyzed as	received. C	COAL is accredited by	SCC	and licensed by	MOE i	n these specific n	nicrob	iological paramet	ers an	d the	Raw = R
		ity for parameters selected, misident rocedures visit www.coalab.ca/wate		es or incorrec	t quar	ntity, th	is is the resp	oonsibility of	f the submitting agen	су.								Distribution = D Point of Entry = E
F.S. & Faecal Stre	p. = Faecal Strep	tococcus HPC = Heterotrophic Pla	te Count HPM	= Heavy Particu	late Ma	itter			N/R = Not Received				F.S. and HPC	require	48 hours of incubation	on	Raw Water	Comsumed = RWC
Analysis	Date & Time	2015-08-26 14:30	Enumerat	ed By:	BD	Au	dited By: _	CS	Methodology: N	1/F CI	FU/100ml							
Analysis	Date & Time	e:	Enumerat	ed By:		Au	dited By: _		HPC Methodolo	gy: S	P CFU/1ml; FS	Meth	nodology: M/F C	CFU/	100ml			
Tr	anscribed By	/:ST		Authorized 8	Rec	hecke	d By: <u>LJ/</u> 7	J/KN		Copy	Released By:	GI	D/AB/HM				_	
		b No Submittii	ng Agency @			!	Health Unit	· @	Spills Actio	n Cer	ntre (SAC) @		AWC	)l #	E	Ву: _	Date:	
Test Methodolo	av and Datact	ion Limit																

0 - 80 Performed by Membrane Filtration M/F CFU/100 ml COAL Endo Detection Limit Reportable Limit: Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> M/F CFU/100 ml COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

			mai certificate di Microbiol	ogical Allalysis of Dilliking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-09 15:30
2015-09-09 14:30	6.1	AB	HPC & FS Date & Time Incubated:	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Final Cartificate of Microbiological Analysis of Drinking Water

Orinking Water System sent 6	_
# of samples	
Name of Total # of pages sent 2 -acility Washago Sector	
Collected By: Chuck Wilkinson Regulation 318/08	
Sampled: 2015-09-09 Systems Health Unit SMDHU	
Date Twp/Town	

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Address: Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Comments

Chuck Wilkinson Submitted By:

		L															
_				Temp. Of	 Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Sit	e Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Lock 42															
13:45		2597 Bonsor Rd.	D					016910		0		0		20			
		Lock 43															
12:25		19 SR 409 Unit 1	D					016911		0		0		0			
		Lock 44															
10:45		7001 Upper Big Chute Rd	. D					016912		0		0		0			
		Lock 45								•				•		•	
10:00		175 Port Severn Rd. N.	D					016913		0		0		0			
		idered DISTRIBUTION sample															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

Detection Limit

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Reportable Limit:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = RDistribution = D Point of Entry = E

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

0 - 80

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL FS

M/F CFU/100 ml

F.S. & Faecal Strep. = Fa	aecal Streptococcus	HPC = Heterotrophic P	late Count HPM	I = Heavy Particu	late Matter		N/R = Not Received	F.S.	and HPC require 48	hours of incubation	Raw Water Comsumed = RW
Analysis Date	e & Time:2	2015-09-10 14:00	Enumerat	ted By: C	S Audite	d By:	Methodology: M/F CFU/100m	I			
Analysis Date	e & Time:		Enumerat	ted By:	Audite	d By:	HPC Methodology: SP CFU/1	ml; FS Methodology	: M/F CFU/100	ml	
Transc	cribed By: AM	<u> </u>		Authorized 8	Rechecked By	/: LJ/KN/	Copy Release	ed By: HM/AB/CS			_
	Lab No.	Submit	ting Agency @		Hea	th Unit @	Spills Action Centre (SAC	c) @	AWQI#	Ву:	Date:
Test Methodology ar	nd Detection Limit										
Total Coliform	COAL Endo	Detection Limit	0 - 80	Reportable	Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
Total Coliform	COAL DC	Detection Limit	0 - 80	Reportable	Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
E. coli	COAL DC	Detection Limit	0 - 60	Reportable	Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL Endo	Detection Limit	0 - 200	Indicates D	eterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml			
Background	COAL DC	Detection Limit	0 - 200	Indicates D	eterioration:	>200	Performed by Membrane Filtration	M/F CFU/100 ml			
HPC	COAL HPC	Detection Limit	10 - 2.00 x 10 <sup>3</sup>	Indicates D	eterioration:	>500	Performed by Spread Plate	SP CFU/1 ml			

Performed by Membrane Filtration

Approved for use by TJ prior to use.

Faecal Streptococcus

Final Certficate, PITA 102, 1503, Revision 1.4

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	ATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

			Final Certificate of Microbiol	ogical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-09 15:30
2015-09-09 14:30	6.1	AB	HPC & FS Date & Time Incubated:	

Twp/Town Date Systems 2015-09-09 Sampled: Health Unit **SMDHU** Collected By: Chuck Wilkinson Regulation N/A Total # of Name of 2 pages sent Washago Sector Facility # of samples 6 sent **Drinking Water System** # of samples (DWS) # Please See Below 6 received

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

cinson Comments

Submitted By: Chuck Wilkinson

Transcribed By: AM

				Temp. Of		Treat	ment Inforr	nation		To	otal Coliform		E. coli	Е	Background		HPC	
Time Sampled	Sample Identifier	Identification of Collection Si	te Water Type		U.V.			Free Cl <sub>2</sub> (mg/L)		>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57																
13:25		1641 Peninsula Pt. Rd.	D						016914		0		0		0			
		Washago Shop	·															
14:00		3321 Bond St.	D						016915		37		5	۸	200			
All samples	will be cons	sidered DISTRIBUTION sample	es uniess othe	rwise indic	cated.													

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

Raw = R
Distribution = D
Point of Entry = E

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Comsumed = RWC

Analysis Date & Time: 2015-09-10 14:00 Enumerated By: CS Audited By: HM Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HM Methodology: M/F CFU/100ml

HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Authorized & Rechecked By: LJ/KN/TJ

Copy Released By: HM/AB/CS

Lab No. 016915 Submitting Agency @ 14:10 Health Unit @ Fax copy Spills Action Centre (SAC) @ AWQI # By: CS Date: 2015-09-10 to H.U

Id Detection Limit COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml

Test Methodology and Detection Limit Total Coliform Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Performed by Membrane Filtration E. coli COAL DC Detection Limit 0 - 60 Reportable Limit: M/F CFU/100 ml Performed by Membrane Filtration Background COAL Endo Detection Limit Indicates Deterioration: M/F CFU/100 ml 0 - 200 >200 Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Performed by Spread Plate SP CFU/1 ml HPC COAL HPC Detection Limit 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 M/F CFU/100 ml Faecal Streptococcus COAL FS Detection Limit Reportable Limit: Performed by Membrane Filtration 0 - 80

Final Certficate, PITA 102, 1503, Revision 1.4

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiolog	gical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-24 14:30
2015-09-24 14:10	8.0	AB	HPC & FS Date & Time Incubated:	

						•
Date Sampled: 2015-09-24	Twp/Town Systems Health Unit		Report To: Tre	ent Severn Waterway Kirkfield	Sector ATTN: Ch	uck Wilkinson
Collected By: Kim Marshall	Regulation		Address: 202	23 Kirkfield Road Kirkfield, ON. H	(0M 2B0	
Name of	Total # of pages sent	2	Telephone: 7	05 438-3153	Ext:	Fax: 705-
Facility Washago Sector  Drinking Water System	# of samples sent	6	Email Address:	chuck.wilkinson@pc.gc.ca; kin	n.marshall@pc.gc.c	a; nicole.hamilto
DWS) # Please See Below	# of samples received	6	"Live Person" A	After Hours Contact Name and Tel. No	o: Chuck Wilkin	nson 705-887-8

2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Fax: 705-438-5201 + Scan & Email Telephone: 705 438-3153 Ext: Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Conditions/ Kim Marshall Comments Submitted By:

			Temp. Of		Treati	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Sample dentifier	Identification of Collection Site	Water Type	Sample (°C/°F)		Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
	Lock 42																
	2597 Bonsor Rd.	D						018069		0		0		0			
	Lock 43																
	19 SR 409 Unit 1	D						018070		0		0		0			
Lock 44																	
	7001 Upper Big Chute Rd.	D						018071		0		0		0			
	Lock 45																
	175 Port Severn Rd. N.	D						018072		0		0		0			
d		Lock 42  2597 Bonsor Rd.  Lock 43  19 SR 409 Unit 1  Lock 44  7001 Upper Big Chute Rd.  Lock 45  175 Port Severn Rd. N.	Lock 42	Identification of Collection Site    Water Type   Sample (°C/°F)	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample	Lock 42  2597 Bonsor Rd.  D  Lock 43  19 SR 409 Unit 1  D  Lock 44  7001 Upper Big Chute Rd.  D  Lock 45  175 Port Severn Rd. N.  D  Water Type  Sample (°C/°F)  P  Sample (°C/°F)  P  Sample (°C/°F)  P  Sample (°C/°F)  P  Lock 43  D  Lock 44  Tool Upper Big Chute Rd.  D  Lock 45  175 Port Severn Rd. N.  D	Identification of Collection Site	Identification of Collection Site	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample (°C/°F)   Total Cl <sub>2</sub> (mg/L)   Free Cl <sub>2</sub> (mg/L)   Number   S/<	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample	Identification of Collection Site   Sample (*Cr/°F)   Sample (*C	Identification of Collection Site   Water Type   Sample (°C/°F)   Sample	Identification of Collection Site   Valer Type   Sample (*C/°F)   Sample	Identification of Collection Site   CFU/100 ml   Sample   CFU/10	Identifier   Identification of Collection Site   Type   Sample (°C/°F)   Sample (°C/°F)

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

Point of Entry = E ΙС

F.S. & Faecal Strep. = Fae	ecal Streptococcus	HPC = Heterotrophic I	Plate Count HPM = Heavy Pa	rticulate Matter		N/R = Not Received	F.S. and	HPC require 48 hours of incubation	Raw Water Comsumed = RW
Analysis Date 8	& Time:	2015-09-25 12:45	Enumerated By:	SC Audited	d By: HM	Methodology: M/F CFU/100ml			
Analysis Date 8	& Time:		Enumerated By:	Audite	d By:	HPC Methodology: SP CFU/1ml	; FS Methodology	: M/F CFU/100ml	
Transcrib	bed By: A	M	Authorized	I & Rechecked By	: LJ/KN/TJ	Copy Released I	By: HM/AB/SC		
	Lab No.	Submitt	ing Agency @	Hea	th Unit @	Spills Action Centre (SAC) @	<b></b>	AWQI # By:	Date:
Test Methodology and	d Detection Limit	t							
Total Coliform	COAL End	<ul> <li>Detection Limit</li> </ul>	0 - 80 Reportal	ble Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		
Total Coliform	COAL DC	Detection Limit	0 - 80 Reportal	ble Limit:	1	Performed by Membrane Filtration	M/F CFU/100 ml		

Reportable Limit: M/F CFU/100 ml COAL DC Detection Limit 0 - 60 Performed by Membrane Filtration E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

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4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiolog	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-09-24 14:30
2015-09-24 14:10	8.0	AB	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	6
Drinking Water Sy	rstem	sent	6
Name of Facility	Washago Sector	Total # of pages sent # of samples	2
Collected By:	Kim Marshall	Regulation	N/A
Date Sampled:	2015-09-24	Twp/Town Systems Health Unit	SMDHU

Report To:	Trent	Severn W	aterway Kirkfield	Sector ATTN: Ch	uck Wilkinson				
Address:	2023 k	Kirkfield R	oad Kirkfield, ON. K	OM 2B0					
Telephone:	705	438-315	3	Ext:	Fax: 705-438-5201 + Scan & Email				
Email Addre	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca								
"Live Person	n" After	Hours Con	tact Name and Tel. No:	Chuck Wilkin	nson 705-887-8390				

Submitted By: Kim Marshall Com

Conditions/ Comments

_				Temp. Of	 Treat	ment Inforn	nation		To	tal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	Laboratory Number >/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Bridge 57																	
08:25		1641 Peninsula Pt. Rd.	D					018073		0		0		0			
		Washago Shop															
08:05		3321 Bond St.	D					018074		0		0		0			
		oidered DISTRIBUTION comple															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

Lab No.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit www.coalab.ca/watersamples.html

Submitting Agency @

N/R = Not Received

Spills Action Centre (SAC) @

F.S. and HPC require 48 hours of incubation

AWQI#

Distribution = D Point of Entry = E

Raw Water Comsumed = RWC

Raw = R

Analysis Date & Time: 2015-09-25 12:45 Enumerated By: SC Audited By: HM Methodology: M/F CFU/100ml

Analysis Date & Time: Analysis D

Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: HM/AB/SC

Health Unit @

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml COAL DC Detection Limit 0 - 60 E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit Indicates Deterioration: >500 Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Approved for use by TJ prior to use.

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	LABORATORY

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	Certificate of Microbiolog	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-10-07 15:00
2015-10-07 14:10	21.4	MH	HPC & FS Date & Time Incubated:	

(DWS) #	Please See Below	# of samples received	6
Drinking Water S	•	sent	6
Name of Facility	Washago Sector	Total # of pages sent # of samples	2
Collected By:	Chuck Wilkinson	Regulation	318/08
Sampled:	2015-10-07	Systems Health Unit	SMDHU
Date		Twp/Town	

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson 2023 Kirkfield Road Kirkfield, ON. K0M 2B0 Fax: 705-438-5201 + Scan & Email Telephone: 705 438-3153 Ext: Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca Chuck Wilkinson 705-887-8390 "Live Person" After Hours Contact Name and Tel. No:

Conditions/ Chuck Wilkinson Submitted By: Comments

				Temp. Of		Treat	ment Inforr	mation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	U.V.	Other	Total Cl <sub>2</sub> (mg/L)		Laboratory Number	>/<	CFU/100 ml	<b>/</b> /	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
Lock 42																		
12:40		2597 Bonsor Rd.	D						018972		0		0		0			
		Lock 43																
11:10		19 SR 409 Unit 1	D						018973		0		0		0			
		Lock 44																
09:45		7001 Upper Big Chute Rd.	D						018974		0		0		0			
		Lock 45												•				
09:30		175 Port Severn Rd. N.	D						018975		0		0		1			
		sidered DISTRIBUTION complete												•			·	

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Reportable Limit:

Indicates Deterioration:

Indicates Deterioration:

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

1

>200

>200

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html

COAL DC Detection Limit

COAL Endo Detection Limit

Detection Limit

COAL DC

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

Performed by Membrane Filtration

Performed by Membrane Filtration

Performed by Membrane Filtration

F.S. and HPC require 48 hours of incubation

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

M/F CFU/100 ml

SP CFU/1 ml

Point of Entry = E Raw Water Comsumed = RWC

Analysis Date &	Time: 2	015-10-08 13:30	Enumerated By:	CS	Audited By:	TW	Methodology: M/F CFU/100ml					
Analysis Date &	Time:		Enumerated By:		Audited By:		HPC Methodology: SP CFU/1ml;	FS Methodology	r: M/F CFU/100ml			
Transcribe	ed By: SS		Authoriz	ed & Rech	ecked By: LJ/T	J/KN	Copy Released E	By: CS/AB/DL/	SS			
	Lab No.	Submitt	ing Agency @		Health Unit	t @	Spills Action Centre (SAC) @	)	AWQI#	Ву:	Date:	
Test Methodology and I	Detection Limit											
Total Coliform	COAL Endo	Detection Limit	0 - 80 Repo	rtable Limit:	1		Performed by Membrane Filtration	M/F CFU/100 ml				
Total Coliform	COAL DC	Dotoction Limit	0 - 90 Pono	table Limit	1	1	Porformed by Mombrane Filtration	M/E CELI/100 ml				

0 - 200 COAL HPC Detection Limit Performed by Spread Plate HPC 10 - 2.00 x 10<sup>3</sup> Indicates Deterioration: >500 Faecal Streptococcus COAL FS Detection Limit Reportable Limit: Performed by Membrane Filtration 0 - 80

0 - 60

0 - 200

E. coli

Background Background

190
100
1//
NOV.
PICT

4260 Burnside Line, R.R. #4 Orillia, ON L3V 6H4 Tel: (705) 326-8285 Fax: (705) 326-9316 www.coalab.ca

		Final	<b>Certificate of Microbiolog</b>	ical Analysis of Drinking Water
Date & Time Received:	Temp. Rec'd. (°C):	Receiver:	Date & Time Incubated:	2015-10-07 15:00
2015-10-07 14:10	21.4	МН	HPC & FS Date & Time Incubated:	

Depart To. Trent Covern Weterway Kirkfield Coster, ATTN: Chuck Wilkinson

(DWS) #	Please See Below	# of samples received	6
Drinking Water Sv	vstem	# of samples sent	6
Name of Facility	Washago Sector	Total # of pages sent	2
Collected By:	Chuck Wilkinson	Regulation	N/A
Sampled:	2015-10-07	Systems Health Unit	SMDHU
Date		Twp/Town	

Report To:	rent	Severn waterw	ay Kirkfield Secto	OF ALLIN:	: Chuck Wilkinson					
Address:	2023	Kirkfield Road Ki	rkfield, ON. K0M 2E	30						
Telephone:	705	438-3153		Ext:	Fax: 705-438-5201 + Scan & Email					
Email Addr	Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca									
"Live Perso	n" After	Hours Contact Na	me and Tel. No:	Chuck W	Vilkinson 705-887-8390					

Chuck Wilkinson Submitted By:

Conditions/ Comments

				Temp. Of	 Treati	ment Inforn	nation		To	otal Coliform		E. coli	В	ackground		HPC	
Time Sampled	Sample Identifier	Identification of Collection Site	Water Type	Sample (°C/°F)	Other	Total Cl <sub>2</sub> (mg/L)	Free Cl <sub>2</sub> (mg/L)	Laboratory Number	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/100 ml	>/<	CFU/1 ml	
		Bridge 57															
01:15		1641 Peninsula Pt. Rd.	D					018976		0		0		0			
		Washago Shop															
01:40		3321 Bond St.	D					018977		0		0		0			
		sidered DISTRIBUTION samples															

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

Distribution = D

Raw Water Comsumed = RWC

Raw = R

For collection and handling procedures visit www.coalab.ca/watersamples.html F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter Point of Entry = E

F.S. and HPC require 48 hours of incubation

Enumerated By: CS Audited By: TW Methodology: M/F CFU/100ml Analysis Date & Time: Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml Analysis Date & Time: Transcribed By: Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL/SS Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI# Date:

N/R = Not Received

Test Methodology and Detection Limit Total Coliform COAL Endo Detection Limit 0 - 80 Reportable Limit: 1 Performed by Membrane Filtration M/F CFU/100 ml Total Coliform COAL DC Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml M/F CFU/100 ml COAL DC Detection Limit 0 - 60 Reportable Limit: Performed by Membrane Filtration E. coli 1 Background COAL Endo Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml Background COAL DC Detection Limit 0 - 200 Indicates Deterioration: >200 Performed by Membrane Filtration M/F CFU/100 ml COAL HPC Detection Limit Indicates Deterioration: Performed by Spread Plate SP CFU/1 ml 10 - 2.00 x 10<sup>3</sup> >500 Faecal Streptococcus COAL FS Detection Limit 0 - 80 Reportable Limit: Performed by Membrane Filtration M/F CFU/100 ml

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be repo MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Fails re to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Upload:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

08-April-2016

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 07 April 2016 LR Report: CA14098-APR16

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Apr-16	07-Apr-16
2: Analysis Start Time			13:50	13:50
3: Analysis Approval Date			08-Apr-16	08-Apr-16
4: Analysis Approval Time			13:22	13:22
5: MAC			0	0
6: NR Kitchen	07-Apr-16 10:30	14.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

14-July-2016

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

**Date Rec.:** 08 July 2016 LR Report: CA14164-JUL16

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			13-Jul-16	13-Jul-16	13-Jul-16	08-Jul-16	08-Jul-16
2: Analysis Start Time			18:11	18:11	18:11	16:05	16:05
3: Analysis Approval Date			14-Jul-16	14-Jul-16	14-Jul-16	11-Jul-16	11-Jul-16
4: Analysis Approval Time			12:24	12:24	12:24	10:25	10:25
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Kitchen Sink	08-Jul-16 12:45	19.0	0.003 <mdl< td=""><td>1.11</td><td>1.11</td><td>0</td><td>0</td></mdl<>	1.11	1.11	0	0

MAC - Maximum Acceptable Concentration MDL - SGS Method Detection Limit NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

14-October-2016

Trent-Severn Waterway (Haliburton Sector)

Attn: Greg Cooper

Date Rec.: 13 October 2016 LR Report: CA14200-OCT16

PO Box 249 Haliburton, ON

Copy: #1

K0M 1S0,

Phone: 705-457-2632 or 705-854-0598 (cell)

Fax:705-457-3433

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			13-Oct-16	13-Oct-16
2: Analysis Start Time			11:50	11:50
3: Analysis Approval Date			14-Oct-16	14-Oct-16
4: Analysis Approval Time			11:14	11:14
5: MAC			0	0
6: NR Kitchen Sink	12-Oct-16 16:00	22.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 08 July 2016
LR Report: CA14160-JUL16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			08-Jul-16	08-Jul-16
2: Analysis Start Time			14:20	14:20
3: Analysis Approval Date			11-Jul-16	11-Jul-16
4: Analysis Approval Time			10:13	10:13
5: MAC			0	0
6: NR Lock #25	08-Jul-16 10:31	24.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

11-July-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 07 July 2016
LR Report: CA17970-JUL16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Jul-16	07-Jul-16
2: Analysis Start Time			14:55	14:55
3: Analysis Approval Date			08-Jul-16	08-Jul-16
4: Analysis Approval Time			15:01	15:01
5: MAC			0	0
6: NR Lock #25	07-Jul-16 12:05	27.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

11-July-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 24-August-2016

Date Rec.: 19 August 2016 LR Report: CA18572-AUG16

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	6: NR - Lock 30
Sample Date & Time						19-Aug-16 10:30
Temperature Upon Receipt [°C]						19.0
Nitrite (as N) [mg/L]	22-Aug-16	23:12	24-Aug-16	11:59	1	< 0.003
Nitrate (as N) [mg/L]	22-Aug-16	23:12	24-Aug-16	11:59	10	0.073
Nitrate + Nitrite (as N) [mg/L]	22-Aug-16	23:12	24-Aug-16	11:59	10	0.073

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury/

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Date Rec.: 07 June 2016 Attn: Greg Stencell LR Report: CA14174-JUN16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			10-Jun-16	10-Jun-16	10-Jun-16	07-Jun-16	07-Jun-16
2: Analysis Start Time			07:44	07:44	07:44	18:15	18:15
3: Analysis Approval Date			10-Jun-16	10-Jun-16	10-Jun-16	09-Jun-16	09-Jun-16
4: Analysis Approval Time			12:02	12:02	12:02	16:46	16:46
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Lock #22	07-Jun-16 10:35	17.0	0.004	0.059	0.063	0	0
8: NR Lock #23	07-Jun-16 10:28	17.0	0.021	0.097	0.118	0	0
9: NR Lock #24	07-Jun-16 09:53	17.0	0.012	0.022	0.034	0	0
10: NR Lock #25	07-Jun-16 10:15	17.0	0.003	0.155	0.158	0	0
11: NR Lock #27	07-Jun-16 14:03	17.0	< 0.003	<0.006	< 0.006	0	0
12: NR Lock #28	07-Jun-16 13:48	17.0	0.018	0.047	0.065	0	0
13: NR Lock #31	07-Jun-16 13:28	17.0	0.004	0.022	0.026	0	0

MAC - Maximum Acceptable Concentration MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury Project Specialist

Environmental Services, Analytical

13-June-2016

#1

Copy:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 11 July 2016

LR Report: CA14221-JUL16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			11-Jul-16	11-Jul-16
2: Analysis Start Time			16:50	16:50
3: Analysis Approval Date			12-Jul-16	12-Jul-16
4: Analysis Approval Time			15:35	15:35
5: MAC			0	0
6: NR - Lock 22	11-Jul-16 15:20	25.0	0	0
7: NR - Lock 23	11-Jul-16 15:11	25.0	0	0
8: NR - Lock 24	11-Jul-16 15:01	25.0	0	0
9: NR - Lock 27	11-Jul-16 14:46	25.0	0	0
10: NR - Lock 28	11-Jul-16 13:18	25.0	0	0
11: NR - Lock 30	11-Jul-16 11:00	25.0	0	0
12: NR - Lock 31	11-Jul-16 14:23	25.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury, Project Specialist

Environmental Services, Analytical

12-July-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 12-August-2016

Date Rec.: 08 August 2016 LR Report: CA14234-AUG16

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## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			10-Aug-16	10-Aug-16	10-Aug-16	08-Aug-16	08-Aug-16
2: Analysis Start Time			11:08	11:08	11:08	18:15	18:15
3: Analysis Approval Date			12-Aug-16	12-Aug-16	12-Aug-16	10-Aug-16	10-Aug-16
4: Analysis Approval Time			11:10	11:10	11:10	08:44	08:44
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Lock #22	08-Aug-16 15:12	26.0	0.004	0.056	0.060	0	0
8: NR Lock #23	08-Aug-16 15:29	26.0	< 0.003	0.050	0.050	0	0
9: NR Lock #24	08-Aug-16 15:45	26.0	0.006	< 0.006	0.006	0	0
10: NR Lock #25	08-Aug-16 15:55	26.0	0.005	0.143	0.148	0	0
11: NR Lock #27	08-Aug-16 11:10	26.0	< 0.003	<0.006	< 0.006	0	0
12: NR Lock #28	08-Aug-16 13:00	26.0	< 0.003	0.117	0.117	0	0
13: NR Lock #30	08-Aug-16 09:00	26.0				0	0
14: NR Lock #31	08-Aug-16 13:30	26.0	0.009	0.055	0.064	0	0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 14-September-2016

Date Rec.: 12 September 2016 LR Report: CA14270-SEP16

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## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			12-Sep-16	12-Sep-16
2: Analysis Start Time			15:55	15:55
3: Analysis Approval Date			13-Sep-16	13-Sep-16
4: Analysis Approval Time			16:29	16:29
5: MAC			0	0
6: NR Lock #23	12-Sep-16	25.0	0	0
7: NR Lock #24	12-Sep-16	25.0	0	0
8: NR Lock #25	12-Sep-16	25.0	0	0
9: NR Lock #27	12-Sep-16	25.0	0	0
10: NR Lock #28	12-Sep-16	25.0	0	0
11: NR Lock #30	12-Sep-16	25.0	0	0
12: NR Lock #31	12-Sep-16	25.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury, Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

16-May-2016

**Date Rec.**: 13 May 2016 **LR Report: CA14336-MAY16** 

**Copy:** #1

**Trent-Severn Waterway (Central Sector)** Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			14-May-16	14-May-16
2: Analysis Start Time			12:50	12:50
3: Analysis Approval Date			16-May-16	16-May-16
4: Analysis Approval Time			10:36	10:36
5: MAC			0	0
6: NR Lock #23	13-May-16	12.0	0	0
7: NR Lock #24	13-May-16	12.0	0	0
8: NR Lock #25	13-May-16	12.0	0	0
9: NR Lock #27	13-May-16	12.0	0	0
10: NR Lock #28	13-May-16	12.0	0	0
11: NR Lock #30	13-May-16	12.0	0	0

MAC - Maximum Acceptable Concentration

Carrie Greenlaw Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn : Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 18-May-2016

**Date Rec.**: 16 May 2016 **LR Report**: **CA14361-MAY16** 

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			16-May-16	16-May-16
2: Analysis Start Time			14:45	14:45
3: Analysis Approval Date			17-May-16	17-May-16
4: Analysis Approval Time			14:24	14:24
5: MAC			0	0
6: NR Lock #23	16-May-16	10.0	0	0
7: NR Lock #24	16-May-16	10.0	0	0
8: NR Lock #25	16-May-16	10.0	0	0
9: NR Lock #27	16-May-16	10.0	0	0
10: NR Lock #28	16-May-16	10.0	0	0
11: NR Lock #30	16-May-16	10.0	0	0

#### MAC - Maximum Acceptable Concentration

### Method Descriptions

Parameter	Description	SGS Method Code	Reference Method Code
E. Coli	E.Coli by membrane filtration on DC media	ME-CA-[ENV]MIC-LAK-AN-001	OMOE MICROMFDC-E3407A
Total Coliform	Total Coliform by membrane filtration using DC media	ME-CA-[ENV]MIC-LAK-AN-001	OMOE MICROMFDC-E3407A

Patti Stark

Project Specialist Environmental Services,

Analytical



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

24-May-2016

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec. : 20 May 2016

LR Report: CA14545-MAY16

PO Box 567 Peterborough, ON K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			20-May-16	20-May-16
2: Analysis Start Time			16:40	16:40
3: Analysis Approval Date			24-May-16	24-May-16
4: Analysis Approval Time			09:53	09:53
5: MAC			0	0
6: NR Lock #31	20-May-16 15:10	27.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

### Method Descriptions

	·	
Parameter	Description	SGS Method Code
E. Coli	E.Coli by membrane filtration on DC media	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform	Total Coliform by membrane filtration using DC media	ME-CA-[ENV]MIC-LAK-AN-001

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

27-May-2016

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 24 May 2016 LR Report: CA14564-MAY16

PO Box 567 Peterborough, ON

Copy: #1

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			24-May-16	24-May-16
2: Analysis Start Time			13:30	13:30
3: Analysis Approval Date			26-May-16	26-May-16
4: Analysis Approval Time			10:25	10:25
5: MAC			0	0
6: NR Lock #31	24-May-16 10:00	19.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

### Method Descriptions

	·	
Parameter	Description	SGS Method Code
E. Coli	E.Coli by membrane filtration on DC media	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform	Total Coliform by membrane filtration using DC media	ME-CA-[ENV]MIC-LAK-AN-001

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 26-July-2016

Date Rec.: 25 July 2016 LR Report: CA14657-JUL16

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			25-Jul-16	25-Jul-16
2: Analysis Start Time			17:05	17:05
3: Analysis Approval Date			26-Jul-16	26-Jul-16
4: Analysis Approval Time			16:11	16:11
5: MAC			0	0
6: NR Lock #22	25-Jul-16 15:09	29.0	0	0
7: NR Lock #23	25-Jul-16 15:15	29.0	0	0
8: NR Lock #24	25-Jul-16 14:15	29.0	0	0
9: NR Lock #25	25-Jul-16 14:01	29.0	0	0
10: NR Lock #27	25-Jul-16 12:56	29.0	0	0
11: NR Lock #28	25-Jul-16 12:41	29.0	0	0
12: NR Lock #31	25-Jul-16 12:20	29.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

> Kimberley Didsbury, Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell Date Rec.: 31 I

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 03-June-2016

Date Rec.: 31 May 2016

LR Report: CA14766-MAY16

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			31-May-16	31-May-16
2: Analysis Start Time			16:05	16:05
3: Analysis Approval Date			02-Jun-16	02-Jun-16
4: Analysis Approval Time			20:29	20:29
5: MAC			0	0
6: NR Lock #22	31-May-16 13:45	32.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

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Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON

K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

06-October-2016

Date Rec.: 03 October 2016 LR Report: CA16024-OCT16

Copy: #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			03-Oct-16	03-Oct-16	03-Oct-16	03-Oct-16	03-Oct-16
2: Analysis Start Time			15:30	15:30	21:55	21:55	21:55
3: Analysis Approval Date			04-Oct-16	04-Oct-16	05-Oct-16	05-Oct-16	05-Oct-16
4: Analysis Approval Time			14:29	14:29	09:50	09:50	09:50
5: MAC			0	0	< 0.003	< 0.006	< 0.006
6: NR Lock #22	03-Oct-16	22.0	0	0	< 0.003	0.041	0.041
7: NR Lock #23	03-Oct-16	22.0	0	0	< 0.003	0.080	0.080
8: NR Lock #24	03-Oct-16	22.0	0	0	< 0.003	0.035	0.035
9: NR Lock #25	03-Oct-16	22.0	0	0	< 0.003	0.114	0.114
10: NR Lock #27	03-Oct-16	22.0	0	0	< 0.003	< 0.006	<0.006
11: NR Lock #28	03-Oct-16	22.0	0	0	< 0.003	0.115	0.115
12: NR Lock #30	03-Oct-16	22.0	0	0	0.008	0.022	0.030
13: NR Lock #31	03-Oct-16	22.0	0	0	< 0.003	0.044	0.044

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Central Sector)** 

Attn: Greg Stencell

Date Rec.: 09 June 2016

LR Report: CA16543-JUN16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			09-Jun-16	09-Jun-16	13-Jun-16	13-Jun-16	13-Jun-16
2: Analysis Start Time			12:40	12:40	17:24	17:24	17:24
3: Analysis Approval Date			10-Jun-16	10-Jun-16	14-Jun-16	14-Jun-16	14-Jun-16
4: Analysis Approval Time			11:15	11:15	14:33	14:33	14:33
5: MAC			0	0	0.003 <mdl< td=""><td>0.006 <mdl< td=""><td>0.006 <mdl< td=""></mdl<></td></mdl<></td></mdl<>	0.006 <mdl< td=""><td>0.006 <mdl< td=""></mdl<></td></mdl<>	0.006 <mdl< td=""></mdl<>
6: NR Lock #30	08-Jun-16 15:30	19.0	0	0	0.046	0.057	0.103

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

14-June-2016

#1

Copy:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

Date Rec.: 26 May 2016
LR Report: CA17010-MAY16

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

### CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			26-May-16	26-May-16
2: Analysis Start Time			13:55	13:55
3: Analysis Approval Date			27-May-16	27-May-16
4: Analysis Approval Time			12:16	12:16
5: MAC			0	0
6: NR Lock #22	26-May-16 11:00	21.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

27-May-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140

31-August-2016

Date Rec.: 29 August 2016 LR Report: CA17153-AUG16

Copy: #1

### CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			29-Aug-16	29-Aug-16
2: Analysis Start Time			18:25	18:25
3: Analysis Approval Date			31-Aug-16	31-Aug-16
4: Analysis Approval Time			09:26	09:26
5: MAC			0	0
6: NR Lock #22	29-Aug-16 14:40	30.0	0	0
7: NR Lock #23	29-Aug-16 14:56	30.0	0	0
8: NR Lock #24	29-Aug-16 15:26	30.0	0	0
9: NR Lock #25	29-Aug-16 15:15	30.0	0	0
10: NR Lock #27	29-Aug-16 12:45	30.0	0	0
11: NR Lock #28	29-Aug-16 11:43	30.0	0	0
12: NR Lock #30	29-Aug-16 12:03	30.0	0	0
13: NR Lock #31	29-Aug-16 11:15	30.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

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Trent-Severn Waterway (Central Sector)

Attn: Greg Stencell

PO Box 567 Peterborough, ON K9J 6Z6,

Phone: 705-750-4130 Fax:705-750-4140 19-September-2016

Date Rec.: 16 September 2016 LR Report: CA14382-SEP16

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			16-Sep-16	16-Sep-16
2: Analysis Start Time			13:00	13:00
3: Analysis Approval Date			19-Sep-16	19-Sep-16
4: Analysis Approval Time			11:52	11:52
5: MAC			0	0
6: NR Lock #22	16-Sep-16	23.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

#### 07-October-2016

Date Rec.: 05 October 2016 LR Report: CA14060-OCT16

**Copy:** #1

## CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			05-Oct-16	05-Oct-16
2: Analysis Start Time			16:35	16:35
3: Analysis Approval Date			07-Oct-16	07-Oct-16
4: Analysis Approval Time			10:40	10:40
5: MAC			0	0
6: NR Washago Shop	05-Oct-16 06:35	10.0	0	0
7: NR Hamlet Bridge 57	05-Oct-16 06:35	10.0	0	0
8: NR Lock 44	05-Oct-16 08:30	10.0	0	0
9: NR Lock 45	05-Oct-16 07:35	10.0	0	0
10: NR Lock 41	05-Oct-16 10:25	10.0	0	0
11: NR Bridge 50	05-Oct-16 10:10	10.0	0	0
12: NR Lock 40	05-Oct-16 10:40	10.0	0	0
13: NR Lock 39	05-Oct-16 10:45	10.0	0	0
14: NR Lock 38	05-Oct-16 10:50	10.0	0	0
15: NR Lokc 37	05-Oct-16 11:00	10.0	0	0
16: NR Bridge 44	05-Oct-16 11:05	10.0	0	0
17: NR Bridge 43	05-Oct-16 11:15	10.0	0	0
18: NR Lock 36 KLL	05-Oct-16 11:45	10.0	0	0
19: NR Kirkfield Shop	05-Oct-16 12:00	10.0	0	0
20: NR Lock 35	05-Oct-16 12:25	10.0	0	0
21: NR Lock 42	04-Oct-16 16:05	10.0	0	0
22: NR Lock 43	04-Oct-16 15:30	10.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

LR Report: CA14060-OCT16

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

# **Trent-Severn Waterway (Northern Sector)**

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

08-June-2016

**Date Rec.**: 01 June 2016 **LR Report: CA14011-JUN16** 

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			02-Jun-16	02-Jun-16	02-Jun-16	01-Jun-16	01-Jun-16
2: Analysis Start Time			17:38	17:38	17:38	15:25	15:25
3: Analysis Approval Date			08-Jun-16	08-Jun-16	08-Jun-16	03-Jun-16	03-Jun-16
4: Analysis Approval Time			12:37	12:37	12:37	09:25	09:25
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Bridge 50	01-Jun-16 08:30	15.0	< 0.003	0.026	0.026	0	0
8: NR Lock 41	01-Jun-16 08:55	15.0	< 0.003	< 0.006	< 0.006	0	0
9: NR Lock 40	01-Jun-16 09:05	15.0	< 0.003	<0.006	< 0.006	0	0
10: NR Lock 39	01-Jun-16 09:15	15.0	0.003	0.009	0.012	0	0
11: NR Lock 38	01-Jun-16 09:30	15.0	< 0.003	0.039	0.039	0	0
12: NR Bridge 44	01-Jun-16 09:45	15.0	< 0.003	< 0.006	< 0.006	0	0
13: NR Lock 37	01-Jun-16 09:55	15.0	< 0.003	<0.006	< 0.006	0	0
14: NR Bridge 43	01-Jun-16 10:05	15.0	< 0.003	0.014	0.014	0	0
15: NR Kirkfield Shop	01-Jun-16 10:35	15.0	0.023	0.248	0.271	0	0
16: NR Rosedale	01-Jun-16 11:20	15.0	0.004	0.020	0.024	0	0
17: NR L KLL	01-Jun-16 10:40	15.0	< 0.003	0.096	0.096	0	0
18: NR Washago Shop	01-Jun-16 06:15	15.0	0.012	0.058	0.071	0	0
19: NR Lock 42	01-Jun-16 06:35	15.0	< 0.003	<0.006	< 0.006	0	0



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA14011-JUN16

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
20: NR Hamlet Bridge	01-Jun-16 06:55	15.0	0.004	0.075	0.080	0	0
21: NR Lock 43	01-Jun-16 08:30	15.0	< 0.003	0.020	0.020	0	0
22: NR Lock 44	01-Jun-16 09:00	15.0	< 0.003	<0.006	< 0.006	0	0
23: NR Lock 45	01-Jun-16 09:25	15.0	< 0.003	<0.006	< 0.006	0	0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

16-February-2016

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

Date Rec.: 11 February 2016 LR Report: CA14184-FEB16

2023 Kirkfield Road Kirkfield, ON

Copy: #1

K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			11-Feb-16	11-Feb-16	11-Feb-16	11-Feb-16	11-Feb-16
2: Analysis Start Time			11:35	11:35	23:34	23:34	23:34
3: Analysis Approval Date			12-Feb-16	12-Feb-16	16-Feb-16	16-Feb-16	16-Feb-16
4: Analysis Approval Time			11:25	11:25	12:58	12:58	12:58
5: MAC			0	0	1	10	10
6: NR Washago Shop	11-Feb-16	14.0	0	0	< 0.003	0.023	0.023
7: NR Kirkfield Shop	11-Feb-16	14.0	0	0	< 0.003	0.064	0.064
8: NR Kirkfield Liftlock 36	11-Feb-16	14.0	0	0	0.009	0.373	0.382

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

12-August-2016

Date Rec.: 10 August 2016 LR Report: CA14280-AUG16

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			10-Aug-16	10-Aug-16
2: Analysis Start Time			14:45	14:45
3: Analysis Approval Date			11-Aug-16	11-Aug-16
4: Analysis Approval Time			18:24	18:24
5: MAC			0	0
6: NR KLL/36	10-Aug-16 10:00	21.0	0	0
7: NR Bridge 50	10-Aug-16 08:33	21.0	0	0
8: NR Lock 41	10-Aug-16 08:43	21.0	0	0
9: NR Lock 40	10-Aug-16 08:54	21.0	0	0
10: NR Lock 39	10-Aug-16 08:57	21.0	0	0
11: NR Lock 38	10-Aug-16 09:08	21.0	0	0
12: NR Lock 37	10-Aug-16 09:20	21.0	0	0
13: NR Bridge 44	10-Aug-16 09:15	21.0	0	0
14: NR Bridge 43	10-Aug-16 09:36	21.0	0	0
15: NR Kirkfield Shop	10-Aug-16 09:54	21.0	0	0
16: NR Rosedale 35	10-Aug-16 12:11	21.0	0	0
17: NR Port Severn	10-Aug-16 08:20	21.0	0	0
18: NR Big Chute	10-Aug-16 08:50	21.0	0	0
19: NR Hamlet	10-Aug-16 10:00	21.0	0	0
20: NR Lock 42	10-Aug-16 10:30	21.0	0	0
21: NR Washago Shop	10-Aug-16 10:45	21.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

09-September-2016

Date Rec.: 07 September 2016 LR Report: CA16265-SEP16

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# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Sep-16	07-Sep-16
2: Analysis Start Time			17:15	17:15
3: Analysis Approval Date			09-Sep-16	09-Sep-16
4: Analysis Approval Time			12:52	12:52
5: MAC			0	0
6: NR Bridge 50	07-Sep-16 09:15	16.0	0	0
7: NR Lock 41	07-Sep-16 09:30	16.0	0	0
8: NR Lock 40	07-Sep-16 09:45	16.0	0	0
9: NR Lock 39	07-Sep-16 09:55	16.0	0	0
10: NR Lock 38	07-Sep-16 10:05	16.0	0	0
11: NR Lock 37	07-Sep-16 10:15	16.0	0	0
12: NR Bridge 44	07-Sep-16 10:25	16.0	0	0
13: NR Bridge 43	07-Sep-16 10:40	16.0	0	0
14: NR Lock 36	07-Sep-16 11:05	16.0	0	0
15: NR Lock 35	07-Sep-16 11:40	16.0	0	0
16: NR Kirkfield Shop	07-Sep-16 11:10	16.0	0	0
17: NR Washago Shop	07-Sep-16 06:20	16.0	0	0
18: NR Lock 42	07-Sep-16 06:35	16.0	0	0
19: NR Hamlet Bridge 57	07-Sep-16 06:50	16.0	0	0
20: NR Lock 44	07-Sep-16 08:00	16.0	0	0
21: NR Lock 45	07-Sep-16 08:05	16.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

09-September-2016

Date Rec.: 07 September 2016 LR Report: CA16245-SEP16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Sep-16	07-Sep-16
2: Analysis Start Time			17:05	17:05
3: Analysis Approval Date			09-Sep-16	09-Sep-16
4: Analysis Approval Time			12:18	12:18
5: MAC			0	0
6: NR Lock 43	06-Sep-16 16:00	16.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

13-July-2016

Date Rec. : 12 July 2016 LR Report: CA14261-JUL16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			12-Jul-16	12-Jul-16
2: Analysis Start Time			17:05	17:05
3: Analysis Approval Date			13-Jul-16	13-Jul-16
4: Analysis Approval Time			15:15	15:15
5: MAC			0	0
6: NR Lock 39	12-Jul-16 08:30	19.0	0	0
7: NR Bridge 50	12-Jul-16 09:10	19.0	0	0
8: NR Lock 36	12-Jul-16 10:35	19.0	0	0
9: NR Lock 35	12-Jul-16 11:25	19.0	0	0
10: NR Bridge 44	12-Jul-16 09:50	19.0	0	0
11: NR Lock 38	12-Jul-16 09:40	19.0	0	0
12: NR Lock 41	12-Jul-16 09:20	19.0	0	0
13: NR Bridge 43	12-Jul-16 10:05	19.0	0	0
14: NR Kirkfield Shop	12-Jul-16 10:55	19.0	0	0
15: NR Lock 37	12-Jul-16 09:55	19.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

16-June-2016

**Date Rec.**: 15 June 2016 **LR Report: CA14351-JUN16** 

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			15-Jun-16	15-Jun-16
2: Analysis Start Time			14:40	14:40
3: Analysis Approval Date			16-Jun-16	16-Jun-16
4: Analysis Approval Time			14:16	14:16
5: MAC			0	0
6: NR KLL	15-Jun-16 08:35	18.0	0	0
7: NR Kirkfield Shop	15-Jun-16 09:00	18.0	0	0
8: NR Bridge 50	15-Jun-16 09:50	18.0	0	0
9: NR Lock 41	15-Jun-16 10:15	18.0	0	0
10: NR Lock 40	15-Jun-16 10:35	18.0	0	0
11: NR Lock 39	15-Jun-16 10:45	18.0	0	0
12: NR Lock 38	15-Jun-16 11:00	18.0	0	0
13: NR Bridge 44	15-Jun-16 11:15	18.0	0	0
14: NR Bridge 43	15-Jun-16 11:30	18.0	0	0
15: NR Rosedale	15-Jun-16 12:40	18.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

## 21-October-2016

Date Rec.: 20 October 2016 LR Report: CA14371-OCT16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			20-Oct-16	20-Oct-16
2: Analysis Start Time			14:30	14:30
3: Analysis Approval Date			21-Oct-16	21-Oct-16
4: Analysis Approval Time			13:42	13:42
5: MAC			0	0
6: NR L36 KLL	20-Oct-16 11:40	9.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

27-October-2016

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

Date Rec.: 25 October 2016 LR Report: CA14508-OCT16

2023 Kirkfield Road Kirkfield, ON

Copy: #1

K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			25-Oct-16	25-Oct-16
2: Analysis Start Time			17:00	17:00
3: Analysis Approval Date			27-Oct-16	27-Oct-16
4: Analysis Approval Time			08:52	08:52
5: MAC			0	0
6: NR Lock 36 KLL	25-Oct-16 10:35	19.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

## 27-September-2016

Date Rec.: 22 September 2016 LR Report: CA14508-SEP16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			22-Sep-16	22-Sep-16	24-Sep-16	24-Sep-16	24-Sep-16
2: Analysis Start Time			14:10	14:10	16:20	16:20	16:20
3: Analysis Approval Date			23-Sep-16	23-Sep-16	27-Sep-16	27-Sep-16	27-Sep-16
4: Analysis Approval Time			13:13	13:13	15:29	15:29	15:29
5: MAC			0	0	1	10	10
6: NR Bridge 50	22-Sep-16 07:45	7.0	0	0	< 0.003	0.036	0.036
7: NR Lock 41	22-Sep-16 07:55	7.0	0	0	< 0.003	0.091	0.091
8: NR Lock 40	22-Sep-16 08:10	7.0	0	0	0.003	0.022	0.025
9: NR Lock 39	22-Sep-16 08:15	7.0	0	0	< 0.003	<0.006	<0.006
10: NR Lock 38	22-Sep-16 08:25	7.0	0	0	0.014	0.170	0.184
11: NR Lock 37	22-Sep-16 08:35	7.0	0	0	0.017	0.083	0.100
12: NR Bridge 44	22-Sep-16 08:45	7.0	0	0	< 0.003	< 0.006	<0.006
13: NR Bridge 43	22-Sep-16 08:55	7.0	0	0	0.012	0.127	0.139
14: NR Lock 35	22-Sep-16 10:25	7.0	0	0	0.004	0.048	0.052
15: NR Lock 36 KLL	22-Sep-16 09:50	7.0	0	0	0.012	0.162	0.174
16: NR Kirkfield Shop	22-Sep-16 09:50	7.0	0	0	0.060	0.851	0.911

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

02-August-2016

Date Rec. : 28 July 2016 LR Report: CA17355-JUL16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			28-Jul-16	28-Jul-16
2: Analysis Start Time			14:20	14:20
3: Analysis Approval Date			29-Jul-16	29-Jul-16
4: Analysis Approval Time			12:47	12:47
5: MAC			0	0
6: NR Lock 36	28-Jul-16 08:10	20.0	5 MAC	0
7: NR Bridge 50	28-Jul-16 08:45	20.0	0	0
8: NR Lock 41	28-Jul-16 09:20	20.0	0	0
9: NR Lock 40	28-Jul-16 09:30	20.0	0	0
10: NR Lock 39	28-Jul-16 09:35	20.0	0	0
11: NR Lock 38	28-Jul-16 09:50	20.0	0	0
12: NR Bridge 44	28-Jul-16 10:00	20.0	0	0
13: NR Lock 37	28-Jul-16 10:10	20.0	0	0
14: NR Bridge 43	28-Jul-16 10:40	20.0	0	0
15: NR Lock 35	28-Jul-16 11:30	20.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road

Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

30-June-2016

**Date Rec.**: 28 June 2016 **LR Report**: **CA18530-JUN16** 

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			28-Jun-16	28-Jun-16
2: Analysis Start Time			16:30	16:30
3: Analysis Approval Date			30-Jun-16	30-Jun-16
4: Analysis Approval Time			12:54	12:54
5: MAC			0	0
6: NR KLL	28-Jun-16 08:00	20.0	0	0
7: NR Bridge 50	28-Jun-16 08:25	20.0	0	0
8: NR Lock 41	28-Jun-16 08:37	20.0	0	0
9: NR Lock 40	28-Jun-16 08:50	20.0	0	0
10: NR Lock 39	28-Jun-16 09:00	20.0	0	0
11: NR Lock 38	28-Jun-16 09:11	20.0	0	0
12: NR Lock 37	28-Jun-16 09:35	20.0	0	0
13: NR Bridge 44	28-Jun-16 09:25	20.0	0	0
14: NR Bridge 43	28-Jun-16 09:45	20.0	0	0
15: NR Kirkfield Shop	28-Jun-16 10:05	20.0	0	0
16: NR Lock 35	28-Jun-16 10:50	20.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road

Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

20-May-2016

**Date Rec.**: 18 May 2016

LR Report: CA18821-MAY16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			18-May-16	18-May-16
2: Analysis Start Time			15:55	15:55
3: Analysis Approval Date			20-May-16	20-May-16
4: Analysis Approval Time			09:16	09:16
5: MAC			0	0
6: NR Kirkfield Shop	18-May-16 08:30	12.0	0	0
7: NR Lock 36	18-May-16 08:30	12.0	0	0
8: NR Lock 37	18-May-16 09:20	12.0	0	0
9: NR Lock 38	18-May-16 09:10	12.0	0	0
10: NR Lock 39	18-May-16 09:25	12.0	0	0
11: NR Lock 40	18-May-16 09:35	12.0	0	0
12: NR Lock 41	18-May-16 10:00	12.0	0	0
13: NR Bridge 43	18-May-16 08:45	12.0	0	0
14: NR Bridge 44	18-May-16 09:00	12.0	0	0
15: NR Bridge 50	18-May-16 10:05	12.0	0	0
16: NR Lock 35	18-May-16 11:50	12.0	0	0

MAC - Maximum Acceptable Concentration

Carrie Greenlaw Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

Date Rec.: 29 November 2016

LR Report: CA14532-NOV16

2023 Kirkfield Road
Kirkfield, ON
Copy: #1

Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			29-Nov-16	29-Nov-16
2: Analysis Start Time			13:55	13:55
3: Analysis Approval Date			30-Nov-16	30-Nov-16
4: Analysis Approval Time			13:06	13:06
5: MAC			0	0
6: NR Washago Shop	29-Nov-16 07:20	11.0	0	0
7: NR KLL Lock # 36	29-Nov-16 07:55	11.0	0	0
8: NR Kirkfield Shop	29-Nov-16 08:15	11.0	0	0

MAC - Maximum Acceptable Concentration

Kimberley Didsbury, Project Specialist

Environmental Services, Analytical

30-November-2016



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Date Rec.: 14 December 2016 Attn: Chuck Wilkinson LR Report: CA16654-DEC16

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Lead ug/L
1: Analysis Start Date			15-Dec-16
2: Analysis Start Time			11:00
3: Analysis Approval Date			16-Dec-16
4: Analysis Approval Time			14:09
5: MAC			10
6: MDL			0.01
7: NR Washago Shop	14-Dec-16 08:30	10.0	1.02
8: NR KLL Lock 36	14-Dec-16 09:00	10.0	1.06
9: NR Kirkfield Shop	14-Dec-16 08:45	10.0	0.61

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit
NR - Not regulated / reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury Project Specialist

Environmental Services, Analytical

16-December-2016

#1

Copy:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

09-June-2016

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 07 June 2016

LR Report: CA14164-JUN16

12 Trent Drive
Campbellford, ON
K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			07-Jun-16	07-Jun-16
2: Analysis Start Time			12:10	12:10
3: Analysis Approval Date			09-Jun-16	09-Jun-16
4: Analysis Approval Time			11:22	11:22
5: MAC			0	0
6: NR - Lock #9-Meyers	07-Jun-16 08:40	10.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

# Method Descriptions

Parameter	Description	SGS Method Code
E. Coli	E.Coli by membrane filtration on DC media	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform	Total Coliform by membrane filtration using DC media	ME-CA-[ENV]MIC-LAK-AN-001

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

#1



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

30-May-2016

Trent-Severn Waterway (Southern Area)

**Date Rec.**: 26 May 2016 Attn: Greg Stencell LR Report: CA14664-MAY16

12 Trent Drive Campbellford, ON

K0L 1L0,

Copy: #1

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			26-May-16	26-May-16
2: Analysis Start Time			16:55	16:55
3: Analysis Approval Date			27-May-16	27-May-16
4: Analysis Approval Time			16:45	16:45
5: MAC			0	0
6: NR Brighton Road Bridge	25-May-16 11:10	9.0	0	0
7: NR Carrying Place Bridge	25-May-16 11:30	9.0	0	0
8: NR Lock #4-Batawa	25-May-16 12:25	9.0	0	0
9: NR Lock #7-Glen Ross	25-May-16 13:25	9.0	0	0
10: NR Lock #8-Percy Reach	25-May-16 14:20	9.0	0	0
11: NR Lock #10-Hagues Reach	25-May-16 14:50	9.0	0	0
12: NR Lock #14-Crowe Bay	25-May-16 15:15	9.0	0	0
13: NR Lock #16/17 Healy Falls Upper	25-May-16 16:15	9.0	0	0

MAC - Maximum Acceptable Concentration NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 31 May 2016

LR Report: CA14762-MAY16

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			31-May-16	31-May-16
2: Analysis Start Time			16:05	16:05
3: Analysis Approval Date			02-Jun-16	02-Jun-16
4: Analysis Approval Time			20:29	20:29
5: MAC			0	0
6: NR Brighton Road Bridge	30-May-16 12:25	9.0	0	0
7: NR Carrying Place Bridge	30-May-16 12:45	9.0	0	0
8: NR Lock #4-Batawa	30-May-16 14:25	9.0	0	0
9: NR Lock #7-Glen Ross	30-May-16 15:00	9.0	0	0
10: NR Lock #8-Percy Reach	30-May-16 09:00	9.0	0	0
11: NR Lock #9-Meyes	30-May-16 09:15	9.0	0	0
12: NR Lock #10-Hagues Reach	30-May-16 09:30	9.0	0	0
13: NR Lock #14-Crowe Bay	30-May-16 09:50	9.0	0	0
14: NR Lock #16/17-Healy Falls Upper	30-May-16 10:20	9.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

03-June-2016

#1

Copy:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

07-July-2016

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 30 June 2016 LR Report: CA14772-JUN16

12 Trent Drive Campbellford, ON

Copy: #1

K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N)	Total Coliform cfu/100mL	E. Coli cfu/100mL
					mg/L		
1: Analysis Start Date			05-Jul-16	05-Jul-16	05-Jul-16	30-Jun-16	30-Jun-16
2: Analysis Start Time			16:07	16:07	16:07	17:30	17:30
3: Analysis Approval Date			06-Jul-16	06-Jul-16	06-Jul-16	04-Jul-16	04-Jul-16
4: Analysis Approval Time			11:48	11:48	11:48	09:11	09:11
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Brighton Bridge	29-Jun-16 15:15	6.0	< 0.0003	0.701	0.701		
8: NR Carrying Place Bridge	29-Jun-16 14:50	6.0	< 0.0003	0.206	0.206	0	0
9: NR Lock #4 Batawa	29-Jun-16 13:00	6.0	0.010	0.008	0.018	0	0
10: NR Lock #7 Glen Ross	29-Jun-16 11:55	6.0	< 0.0003	0.018	0.018	0	0
11: NR Lock #8 Percy Reach	29-Jun-16 10:57	6.0	0.006	0.046	0.052	0	0
12: NR Lock #9 Meyers	29-Jun-16 10:30	6.0	< 0.0003	0.016	0.016	0	0
13: NR Lock #14 Crowe Bay	30-Jun-16 13:00	6.0	< 0.0003	0.027	0.027	0	0
14: NR Lock #15 Healy Falls Lower	30-Jun-16 15:00	6.0	0.010	0.010	0.020	0	0
15: NR Lock #16/17 Healy Falls Upper	30-Jun-16 15:10	6.0	< 0.0003	0.029	0.029	0	0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

11-July-2016

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

**Date Rec.:** 04 July 2016 LR Report: CA16014-JUL16

12 Trent Drive Campbellford, ON

Copy: #1

K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			04-Jul-16	04-Jul-16	06-Jul-16	06-Jul-16	06-Jul-16
2: Analysis Start Time			17:50	17:50	21:36	21:36	21:36
3: Analysis Approval Date			05-Jul-16	05-Jul-16	11-Jul-16	11-Jul-16	11-Jul-16
4: Analysis Approval Time			16:42	16:42	12:39	12:39	12:39
5: MAC			0	0	< 0.003	< 0.006	< 0.006
6: NR Brighton Road Bridge	04-Jul-16 10:40	19.0	0	0			
7: NR Lock #10 Hagues Reach	04-Jul-16 12:55	19.0	0	0	< 0.003	<0.006	<0.006
8: NR Lock #15 Healy Falls Lower	04-Jul-16 13:40	19.0	0	0			

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

Date Rec.: 19 August 2016

LR Report: CA18561-AUG16

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			19-Aug-16	19-Aug-16
2: Analysis Start Time			13:25	13:25
3: Analysis Approval Date			22-Aug-16	22-Aug-16
4: Analysis Approval Time			09:31	09:31
5: MAC			0	0
6: NR Brighton Road Bridge	18-Aug-16 13:00	13.0	0	0
7: NR Carrying Place Bridge	18-Aug-16 12:45	13.0	0	0
8: NR Lock #4 Batawa	18-Aug-16 12:15	13.0	0	0
9: NR Lock #7 Glen Ross	18-Aug-16 10:45	13.0	0	0
10: NR Lock #8 Percy Reach	18-Aug-16 13:00	13.0	0	0
11: NR Lock #9 Meyers	18-Aug-16 12:40	13.0	0	0
12: NR Lock #10 Hauges Reach	18-Aug-16 12:28	13.0	0	0
13: NR Lock #14 Crowe Bay	18-Aug-16 12:05	13.0	0	0
14: NR Lock #15 Healy Falls (Lower)	18-Aug-16 11:10	13.0	0	0
15: NR Lock #16/17 Healy (Falls Upper)	18-Aug-16 10:30	13.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

22-August-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

29-July-2016

**Date Rec.**: 26 July 2016

LR Report: CA18959-JUL16

Copy:

#1

Trent-Severn Waterway (Southern Area)

Attn: Greg Stencell

12 Trent Drive Campbellford, ON K0L 1L0,

Phone: 705-653-3240 Fax:705-653-2053

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			27-Jul-16	27-Jul-16	27-Jul-16	26-Jul-16	26-Jul-16
2: Analysis Start Time			06:47	06:47	06:47	17:25	17:25
3: Analysis Approval Date			29-Jul-16	29-Jul-16	29-Jul-16	27-Jul-16	27-Jul-16
4: Analysis Approval Time			10:31	10:31	10:31	16:08	16:08
5: MAC			1	10	10	0	0
6: MDL			0.003	0.006	0.006		
7: NR Brighton Road Bridge	26-Jul-16 10:30	21.0	< 0.003	0.226	0.226	0	0
8: NR Carrying Place Bridge	26-Jul-16 10:55	21.0	0.016	0.339	0.355	0	0
9: NR Lock #4 - Battawa	26-Jul-16 11:25	21.0	< 0.003	0.059	0.059	0	0
10: NR Lock #7 - Glen Ross	26-Jul-16 12:40	21.0	< 0.003	0.085	0.085	0	0
11: NR Lock #8 - Percy Reach	26-Jul-16 10:35	21.0	< 0.003	<0.006	< 0.006	0	0
12: NR Lock #9 - Meyers	26-Jul-16 10:10	21.0	< 0.003	<0.006	< 0.006	0	0
13: NR Lock #10 - Hagues Reach	26-Jul-16 09:50	21.0	< 0.003	0.035	0.035	0	0
14: NR Lock #14 - Crowe Bay	26-Jul-16 11:00	21.0	< 0.003	0.017	0.017	0	0
15: NR Lock #15 - Healy Falls Lower	26-Jul-16 11:45	21.0	< 0.003	<0.006	< 0.006	0	0
16: NR Lock #16/7 - Healy Falls Upper	26-Jul-16 11:30	21.0	0.005	0.061	0.066	0	0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

13-July-2016

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

Date Rec.: 12 July 2016 LR Report: CA14262-JUL16

2023 Kirkfield Road Kirkfield, ON

Copy: #1

K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			12-Jul-16	12-Jul-16
2: Analysis Start Time			17:05	17:05
3: Analysis Approval Date			13-Jul-16	13-Jul-16
4: Analysis Approval Time			15:16	15:16
5: MAC			0	0
6: NR Washago Shop	12-Jul-16 06:15	19.0	0	0
7: NR Lock 42	12-Jul-16 06:25	19.0	0	0
8: NR Hamlet Bridge 57	12-Jul-16 06:40	19.0	0	0
9: NR Lock 43	12-Jul-16 07:35	19.0	0	0
10: NR Lock 44	12-Jul-16 08:10	19.0	0	0
11: NR Lock 45	12-Jul-16 08:40	19.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

Date Rec.: 14 June 2016

LR Report: CA14315-JUN16

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			14-Jun-16	14-Jun-16
2: Analysis Start Time			14:25	14:25
3: Analysis Approval Date			16-Jun-16	16-Jun-16
4: Analysis Approval Time			14:17	14:17
5: MAC			0	0
6: NR Washago Shop	14-Jun-16 06:15	14.0	0	0
7: NR Lock 42	14-Jun-16 06:35	14.0	0	0
8: NR Hamlet Bridge 57	14-Jun-16 06:55	14.0	0	0
9: NR Lock 43	14-Jun-16 08:05	14.0	0	0
10: NR Lock 44	14-Jun-16 08:30	14.0	0	0
11: NR Lock 45	14-Jun-16 09:00	14.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

16-June-2016

#1

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P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

## 26-September-2016

Date Rec.: 22 September 2016 LR Report: CA14507-SEP16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL	Nitrite (as N) mg/L	Nitrate (as N) mg/L	Nitrate + Nitrite (as N) mg/L
1: Analysis Start Date			22-Sep-16	22-Sep-16	23-Sep-16	23-Sep-16	23-Sep-16
2: Analysis Start Time			14:10	14:10	22:10	22:10	22:10
3: Analysis Approval Date			23-Sep-16	23-Sep-16	26-Sep-16	26-Sep-16	26-Sep-16
4: Analysis Approval Time			13:13	13:13	12:31	12:31	12:31
5: MAC			0	0	< 0.003	< 0.006	< 0.006
6: NR Lock 43	21-Sep-16 15:45	7.0	0	0	< 0.003	0.070	0.070
7: NR Lock 44	21-Sep-16 16:25	7.0	0	0	< 0.003	0.043	0.043
8: NR Lock 45	21-Sep-16 16:50	7.0	0	0	< 0.003	0.042	0.042
9: NR Hamlet Bridge 57	21-Sep-16 17:35	7.0	0	0	0.006	0.134	0.140
10: NR Washago Shop	21-Sep-16 17:55	7.0	0	0	0.014	0.036	0.050
11: NR Lock 42	21-Sep-16 18:05	7.0	0	0	0.012	0.011	0.023

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

## 25-August-2016

Date Rec.: 23 August 2016 LR Report: CA16912-AUG16

**Copy:** #1

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			23-Aug-16	23-Aug-16
2: Analysis Start Time			18:05	18:05
3: Analysis Approval Date			25-Aug-16	25-Aug-16
4: Analysis Approval Time			08:49	08:49
5: MAC			0	0
6: NR Lock 45	23-Aug-16 08:40	19.0	0	0
7: NR Lock 44	23-Aug-16 08:10	19.0	0	0
8: NR Lock 43	23-Aug-16 07:35	19.0	0	0
9: NR Bridge 57	23-Aug-16 06:40	19.0	0	0
10: NR Lock 42	23-Aug-16 06:20	19.0	0	0
11: NR Washago Shop	23-Aug-16 06:10	19.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

29-July-2016

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#1

Trent-Severn Waterway (Northern Sector)

Phone: 705-438-3153 or 705-887-8390 (cell)

Attn: Chuck Wilkinson

Date Rec.: 28 July 2016

LR Report: CA17356-JUL16

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

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Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			28-Jul-16	28-Jul-16
2: Analysis Start Time			14:20	14:20
3: Analysis Approval Date			29-Jul-16	29-Jul-16
4: Analysis Approval Time			12:41	12:41
5: MAC			0	0
6: NR Bridge 57	28-Jul-16 06:50	11.0	0	0
7: NR Lock 42	28-Jul-16 06:25	11.0	0	0
8: NR Lock 43	28-Jul-16 07:45	11.0	0	0
9: NR Lock 44	28-Jul-16 08:25	11.0	0	0
10: NR Lock 45	28-Jul-16 08:55	11.0	0	0
11: NR Washago Shop	28-Jul-16 06:10	11.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)** 

Attn: Chuck Wilkinson

Date Rec.: 28 June 2016

LR Report: CA18531-JUN16

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			28-Jun-16	28-Jun-16
2: Analysis Start Time			16:30	16:30
3: Analysis Approval Date			30-Jun-16	30-Jun-16
4: Analysis Approval Time			12:54	12:54
5: MAC			0	0
6: NR Washago Shop	28-Jun-16 06:05	16.0	0	0
7: NR Lock 42	28-Jun-16 06:20	16.0	0	0
8: NR Bridge 57 Hamlet	28-Jun-16 06:35	16.0	0	0
9: NR Lock 43	28-Jun-16 07:35	16.0	0	0
10: NR Lock 44	28-Jun-16 08:10	16.0	0	0
11: NR Lock 45	28-Jun-16 08:45	16.0	0	0

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury

Project Specialist

Environmental Services, Analytical

30-June-2016

#1

Copy:



P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Trent-Severn Waterway (Northern Sector)

Attn: Chuck Wilkinson

Date Rec.: 18 May 2016

LR Report: CA18820-MAY16

2023 Kirkfield Road Kirkfield, ON K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)

Fax:705-438-5201

# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Total Coliform cfu/100mL	E. Coli cfu/100mL
1: Analysis Start Date			18-May-16	18-May-16
2: Analysis Start Time			15:55	15:55
3: Analysis Approval Date			20-May-16	20-May-16
4: Analysis Approval Time			09:16	09:16
5: MAC			0	0
6: NR Washago Shop	18-May-16 06:05	18.0	0	0
7: NR Lock 42	18-May-16 06:20	18.0	0	0
8: NR Lock 43	18-May-16 08:10	18.0	0	0
9: NR Lock 44	18-May-16 09:20	18.0	0	0
10: NR Lock 45	18-May-16 09:35	18.0	0	0

MAC - Maximum Acceptable Concentration

Carrie Greenlaw Project Specialist

Environmental Services, Analytical

20-May-2016

#1

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