

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: RIVERSIDE
Name:
ClientProj: 190011-3100
GTA ProjNo: 120419-2

Site Addr: BIG WOLF F.L

Sampled By: BJB/ECT

Date Rec: 12/4/2019

Time Rec: 9:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1S	12/3/2019	9:55 AM	WATER
2	MW-7D	12/3/2019	11:04 AM	WATER
3	MW-3	12/3/2019	10:50 AM	WATER
4	MW-4	12/3/2019	11:10 AM	WATER
5	MW-2	12/3/2019	11:49 AM	WATER
6	MW-6S	12/3/2019	11:15 AM	WATER
7	MW-6D	12/3/2019	12:49 PM	WATER
8	MW-1DD	12/3/2019	2:23 PM	WATER
9	MW-1D	12/3/2019	3:19 PM	WATER
10	SS-2 12'-14'	11/25/2019		SOIL
11	SS-2 24'-26'	11/25/2019		SOIL
12	SS-3 14'-16'	11/25/2019		SOIL
13	SS-3 18'-20'	11/25/2019		SOIL
14	SS-4 10'-12'	11/26/2019		SOIL
15	SS-4 12'-14'	11/26/2019		SOIL
16	MW-5	12/3/2019	1:34 PM	WATER

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk L Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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kirk@gtanalytical.com

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 1

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 9:55 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-1S
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
ND	10	mg/L (PPM)	LV	12/4/2019	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 2

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 11:04 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-7D
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
ND	10	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 3

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 10:50 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-3						
	CHLORIDE EPA 300.0	57	10	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 4

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	97	10	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 5

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 11:49 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-2							
CHLORIDE EPA 300.0		28	10	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 6

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-6S
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
ND	10	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 7

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 12:49 PM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-6D
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
ND	10	mg/L (PPM)	LV	12/4/2019	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 8

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 2:23 PM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-1DD						
	CHLORIDE EPA 300.0	61,000	2,000	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 9

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 3:19 PM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-1D						
	CHLORIDE EPA 300.0	32,000	2,000	mg/L (PPM)	LV	12/4/2019	WATER

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 10

DATE SAMPLED: 11/25/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: SS-2 12'-14'						
	CHLORIDE EPA 300.0	5,700	99	mg/Kg (PPM)	LV	12/4/2019	SOIL

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 11
DATE SAMPLED: 11/25/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SS-2 24'-26'
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
ND	50	mg/Kg (PPM)	LV	12/4/2019	SOIL

ND = NOT DETECTED, RESULT < LOD
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s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 12
DATE SAMPLED: 11/25/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: SS-3 14'-16'						
	CHLORIDE EPA 300.0	5,200	99	mg/Kg (PPM)	LV	12/4/2019	SOIL

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 13
DATE SAMPLED: 11/25/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: SS-3 18'-20'						
	CHLORIDE EPA 300.0	5,800	490	mg/Kg (PPM)	LV	12/4/2019	SOIL

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COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L.

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 14
DATE SAMPLED: 11/26/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SS-4 10'-12'
CHLORIDE EPA 300.0

Concentration

ND

LOD

51

Units

mg/Kg (PPM) LV

Analyst

Date

12/4/2019

Sample

SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 15
DATE SAMPLED: 11/26/2019
TIME SAMPLED:
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: SS-4 12'-14'						
	CHLORIDE EPA 300.0	ND	49	mg/Kg (PPM)	LV	12/4/2019	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: RIVERSIDE
PROJECT NO: 190011-3100
LOCATION: BIG WOLF F.L

GTA PROJECT NO: 120419-2
GTA SAMPLE NO: 16

DATE SAMPLED: 12/3/2019
TIME SAMPLED: 1:34 PM
DATE RECEIVED: 12/4/2019
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: BJB/ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	1,200	50	mg/L (PPM)	LV	12/4/2019	WATER

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LOD = LIMIT OF DETECTION
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COMPANY: RIVERSIDE

NAME:

PROJECT NO: 190011-3100

LOCATION: BIG WOLF F.L

MI

GTA PROJECT NO: 120419-2

SAMPLED BY: BJB/ECT

DATE SAMPLED: 11/25/2019

TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/4/2019

TIME RECEIVED: 9:00 AM

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
SAMPLE ID: SS-2 12'-14'	% MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	12/4/2019
SAMPLE ID: SS-2 24'-26'	% MOISTURE EPA 3550C	0.49	0.050	% OF SAMPLE	AS	12/4/2019
SAMPLE ID: SS-3 14'-16'	% MOISTURE EPA 3550C	3.0	0.050	% OF SAMPLE	AS	12/4/2019
SAMPLE ID: SS-3 18'-20'	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/4/2019
SAMPLE ID: SS-4 10'-12'	% MOISTURE EPA 3550C	2.9	0.050	% OF SAMPLE	AS	12/4/2019
SAMPLE ID: SS-4 12'-14'	% MOISTURE EPA 3550C	2.5	0.050	% OF SAMPLE	AS	12/4/2019

CHAIN OF CUSTODY

PROJECT NUMBER 190011-3100	SITE NAME/ADDRESS Big Wolf F.L.	COMPANY/NAME Riverside
SAMPLED BY BJB	COMPANY ECT	GTA PROJECT # 120419-7

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1S	12-3-19	9:55	WTR	CL
2	MW-7D		11:04		
3	MW-3		10:58		
4	MW-4		11:10		
5	MW-2		11:49		
6	MW-6S		11:55		
7	MW-6D		12:49		
8	MW-1DD		14:23		
9	MW-1D		15:19		
10	SS-2 12'-14'	11-25-19		SOIL	
11	SS-2 24'-26'				
12	SS-3 14'-16'				
13	SS-3 18'-20'				
14	SS-4 10'-12'	11-26-19			
15	SS-4 12'-14'				
16	MW-5	12-3-19	13:34	WTR	

BILL TO: **E.C.T.**

REPORT TO: **Loe**

RESULTS
17S
12-5-19
by

RELEASED BY BJB	DATE/TIME 12-4-19 9:00a	RECEIVED BY Town	DATE/TIME 12-4-19 9:00a
REQUESTED TAT ☐ STANDARD ☒ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			