

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: RIVIERA RESOURCES
Name:
ClientProj: 1999515.04
GTA ProjNo: 073019-16

Site Addr: SCHMITT CREEK PIPELINE SPILL

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 7/30/2019
Time Rec: 4:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	7/30/2019		WATER
2	MW-9	7/30/2019		WATER
3	MW-5	7/30/2019		WATER
4	MW-3	7/30/2019		WATER
5	MW-4 (12')	7/30/2019		WATER
6	MW-8 (12')	7/30/2019		WATER
7	MW-10	7/30/2019		WATER
8	MW-1	7/30/2019		WATER
9	MW-7	7/30/2019		WATER
10	MW-6	7/30/2019		WATER
11	MW-8R (6')	7/30/2019		WATER
12	MW-4R (6')	7/30/2019		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
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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 1

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	450	1.0	uS/cm@25C	LV	8/1/2019	WATER

ND = NOT DETECTED, RESULT < LOD
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DISS = DISSOLVED

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PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 2

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-9						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	440	1.0	uS/cm@25C	LV	8/1/2019	WATER

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PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 3

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
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SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	11	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	860	1.0	uS/cm@25C	LV	8/1/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 4
DATE SAMPLED: 7/30/2019
TIME SAMPLED:
DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-3						
	CHLORIDE EPA 300.0	14	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	940	1.0	uS/cm@25C	LV	8/1/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 5

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-4 (12')						
	CHLORIDE EPA 300.0	18	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	260	1.0	uS/cm@25C	LV	8/1/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 6

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-8 (12')						
	CHLORIDE EPA 300.0	25	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	460	1.0	uS/cm@25C	LV	8/2/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 7

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-10						
	CHLORIDE EPA 300.0	17	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	800	1.0	uS/cm@25C	LV	8/2/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 8

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-1						
	CHLORIDE EPA 300.0	18	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	800	1.0	uS/cm@25C	LV	8/2/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 9

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-7						
	CHLORIDE EPA 300.0	15	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	LV	8/2/2019	WATER

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PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 10

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-6						
	CHLORIDE EPA 300.0	39	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	830	1.0	uS/cm@25C	LV	8/2/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 11

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-8R (6')						
	CHLORIDE EPA 300.0	57	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	820	1.0	uS/cm@25C	LV	8/2/2019	WATER

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COMPANY: RIVIERA RESOURCES
PROJECT NO: 1999515.04
LOCATION: SCHMITT CREEK PIPELINE SPILL

GTA PROJECT NO: 073019-16
GTA SAMPLE NO: 12

DATE SAMPLED: 7/30/2019
TIME SAMPLED:

DATE RECEIVED: 7/30/2019
TIME RECEIVED: 4:10 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-4R (6')						
	CHLORIDE EPA 300.0	200	10	mg/L (PPM)	LV	8/2/2019	WATER
	CONDUCTIVITY SM2510-B	1,500	1.0	uS/cm@25C	LV	8/2/2019	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER 1999515.04	SITE NAME/ADDRESS Schmitt Creek Pipeline Spill	COMPANY/NAME Riviera Resources
SAMPLED BY Toshua Gerrie	COMPANY Gosling CzubaK	GTA PROJECT # 073019-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2	7-30-19		GW	Chloride & Sp. Cond.
2	MW-9	↓		↓	↓
3	MW-5			↓	↓
4	MW-3			↓	↓
5	MW-4(12')			↓	↓
6	MW-8(12')			↓	↓
7	MW-10			↓	↓
8	MW-1			↓	↓
9	MW-7			↓	↓
10	MW-6			↓	↓
11	MW-8R(6')			↓	↓
12	MW-4R(6')			↓	↓

BILL TO:

REPORT TO:

Riviera Resources

Jeff Simsa

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 7-30-19/1610

[Signature] 7/30/19 1610

REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS