



**Figure 1**  
 Price #1 Soil Analysis  
 Sample Location Map  
 SWSW S20 T64S R60W  
 Washington County, Colorado

**TABLE 1  
SUMMARY OF INORGANICS CONCENTRATIONS  
PRICE #1 SOIL ANALYSIS**

ANALYSIS	NORTH	EAST	WEST	BACKGROUND	COMMENTS
Depth of Sample	0-3"	0-3"	0-3"	0-3"	
pH - Saturated Paste (6-9) <sup>1</sup>	9.3	8.3	7.7	5.4	See Note 1
Electrical conductivity (mmhos/cm)( <sup>&lt;4</sup> ) <sup>1</sup>	33.1	4.54	20.7	0.423	See Note 1
Sodium Adsorption Ratio (<12) <sup>1</sup>	24.7	20.7	18.1	3.35	See Note 1
Organic matter (%)	3.2	2.4	4.0	2.9	
Nitrate as N (nitrogen) (mg/kg)	32.0	14.4	49.8	6.30	
Percent Solids (%)	93.9	96.9	94.7	96.4	
Phosphorous (mg/kg)	106	132	92.7	234	
Copper (mg/kg)	10.3	10.2	13.8	6.6	
Iron (mg/kg)	7670	9770	7650	6900	
Manganese (mg/kg)	120	186	78.3	284	
Potassium (mg/kg)	508	310	442	679	
Zinc (mg/kg)	33.2	32.0	42.2	27.0	
Calcium (mg/kg)	5190	2280	114000	30.4	
Magnesium (mg/kg)	324	339	815	18.1	
Sodium (mg/kg)	6780	3710	7400	94.5	
Lime	1.4 CaCO3 Eq.	0.3 CaCO3 Eq.	2.8 CaCO3 Eq.	0.4 CaCO3 Eq.	
Texture - Sand	31%	41%	31%	48%	
Texture - Silt	30%	30%	32%	44%	
Texture - Clay	39%	29%	37%	8%	
USDA Texture	Clay Loam	Clay Loam	Clay Loam	Loam	

**Notes:**

1. Bold red values indicate an exceedance of the COGCC soil standards.

Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective January 14, 2020.

mg/kg - Milligrams per kilogram

mmhos/cm - millihos per centimeter

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 04, 2020

Carter Peace

GIS Peace

2951 Niagara St

Denver, CO 80207

RE: PRICE #1 SOIL ANALYSIS

Work Order #2007209

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/20 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury

President

S<sub>2</sub>

GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
08/04/20 10:21

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NORTH	2007209-01	Soil	07/21/20 12:00	07/21/20 13:40
EAST	2007209-02	Soil	07/21/20 12:15	07/21/20 13:40
WEST	2007209-03	Soil	07/21/20 12:30	07/21/20 13:40
BACKGROUND	2007209-04	Soil	07/21/20 12:45	07/21/20 13:40

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**Environmental**

Releases:

Spill: PRODUCED WATER

Estimated Spill Volume:

Comment:

Operator shall conduct a soil analysis through the produced water spill disturbance area to determine if indeed there is contamination prior to the commencement of reclamation activities. Refer to the attached inspection plan.

Corrective Action:

Operator shall conduct a soil analysis through the produced water spill disturbance area to determine if indeed there is contamination prior to the commencement of reclamation activities. Refer to the attached inspection plan.

Date: 09/01/2020

method (GC)

Reportable:

Geology

GPS: Lat

Long

Proximity to Surface Water:

Depth to Ground Water:

**Water Well Complaint:**

Lat

Long

DWR Receipt Num:

Owner Name:

GPS:

**Field Parameters:**

Sample Location:

Comment:

A GALLON BAGGIE OF SOIL -  
+ 4 X 4 OZ. JAR

Sample Receipt Checklist

S2 Work Order 2007209

Client: GIS Peace Client Project ID: Price #1 Soil Analysis

Shipped Via:  H.D.  P.U./FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

Matrix (check all that apply):  Air  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Temp (°C) 30.1

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		no ice from field
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

MC  
Custodian Printed Name or Initials

MC  
Signature of Custodian

7/21/20  
Date/Time

S2

GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS  
Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

**NORTH**  
**2007209-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: 07/21/20 12:00

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Phosphorus	106	5.00	mg/kg dry	1	2007252	07/23/20	07/23/20	EPA 6020B	
Copper	10.3	0.400	"	"	"	"	"	"	
Iron	7670	4.00	"	"	"	"	"	"	
Manganese	120	0.400	"	"	"	"	"	"	
Potassium	508	20.0	"	"	"	"	"	"	
Zinc	33.2	0.400	"	"	"	"	"	"	

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Date Sampled: 07/21/20 12:00

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	5190	10.7	mg/kg dry	1	2007251	07/23/20	07/23/20	EPA 6020B	
Magnesium	324	5.33	"	"	"	"	"	"	
Sodium	6780	5.33	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 07/21/20 12:00

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	24.7	0.100	units	1	2007268	07/24/20	07/24/20	Calculation	

**Anions by EPA Method 300.0**

Date Sampled: 07/21/20 12:00

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Nitrate as N	32.0	0.100	mg/kg	1	2007281	07/23/20	07/27/20	EPA 300.0	

**Physical Parameters by APHA/ASTM/EPA Methods**

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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	Reported: 08/04/20 10:21
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**NORTH**  
**2007209-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 07/21/20 12:00									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.9		%	1	2007220	07/22/20	07/22/20	Calculation	

**Specific Conductance by EPA Method 120.1**

Date Sampled: 07/21/20 12:00									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	33.1	0.0100	mmhos/cm	1	2007222	07/22/20	07/22/20	EPA 120.1	

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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS  
Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

**EAST**  
**2007209-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **07/21/20 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Phosphorus	132	5.00	mg/kg dry	1	2007252	07/23/20	07/23/20	EPA 6020B	
Calcium	2280	10.0	"	"	"	"	"	"	
Copper	10.2	0.400	"	"	"	"	"	"	
Iron	9770	4.00	"	"	"	"	"	"	
Manganese	186	0.400	"	"	"	"	"	"	
Potassium	310	20.0	"	"	"	"	"	"	
Silver	0.0547	0.0200	"	"	"	"	"	"	
Zinc	32.0	0.400	"	"	"	"	"	"	

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Date Sampled: **07/21/20 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	1880	10.3	mg/kg dry	1	2007251	07/23/20	07/23/20	EPA 6020B	
Magnesium	339	5.16	"	"	"	"	"	"	
Sodium	3710	5.16	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/20 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	20.7	0.100	units	1	2007268	07/24/20	07/24/20	Calculation	

**Anions by EPA Method 300.0**

Date Sampled: **07/21/20 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Nitrate as N	14.4	0.100	mg/kg	1	2007281	07/23/20	07/27/20	EPA 300.0	

**Physical Parameters by APHA/ASTM/EPA Methods**

Summit Scientific

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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	<b>Reported:</b> 08/04/20 10:21
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**EAST**  
**2007209-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 07/21/20 12:15									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.9		%	1	2007220	07/22/20	07/22/20	Calculation	

**Specific Conductance by EPA Method 120.1**

Date Sampled: 07/21/20 12:15									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.54	0.0100	mmhos/cm	1	2007222	07/22/20	07/22/20	EPA 120.1	

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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	Reported: 08/04/20 10:21
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**WEST**  
**2007209-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: 07/21/20 12:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Phosphorus	92.7	5.00	mg/kg dry	1	2007252	07/23/20	07/23/20	EPA 6020B	
Calcium	9790	10.0	"	"	"	"	"	"	
Copper	13.8	0.400	"	"	"	"	"	"	
Iron	7650	4.00	"	"	"	"	"	"	
Manganese	78.3	0.400	"	"	"	"	"	"	
Potassium	442	20.0	"	"	"	"	"	"	
Silver	0.0770	0.0200	"	"	"	"	"	"	
Zinc	42.2	0.400	"	"	"	"	"	"	

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Date Sampled: 07/21/20 12:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	11400	10.6	mg/kg dry	1	2007251	07/23/20	07/23/20	EPA 6020B	
Magnesium	815	5.28	"	"	"	"	"	"	
Sodium	7400	5.28	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 07/21/20 12:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	18.1	0.100	units	1	2007268	07/24/20	07/24/20	Calculation	

**Anions by EPA Method 300.0**

Date Sampled: 07/21/20 12:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nitrate as N	49.8	0.100	mg/kg	1	2007281	07/23/20	07/27/20	EPA 300.0	

**Physical Parameters by APHA/ASTM/EPA Methods**

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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	<b>Reported:</b> 08/04/20 10:21
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**WEST**  
**2007209-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/20 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.7		%	1	2007220	07/22/20	07/22/20	Calculation	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **07/21/20 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	20.7	0.0100	mmhos/cm	1	2007222	07/22/20	07/22/20	EPA 120.1	

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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

**BACKGROUND**

2007209-04 (Soil)

Summit Scientific

**Total Metals by EPA 6020B**

Date Sampled: 07/21/20 12:45

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Phosphorus	234	5.00	mg/kg dry	1	2007252	07/23/20	07/23/20	EPA 6020B	
Calcium	658	10.0	"	"	"	"	"	"	
Copper	6.62	0.400	"	"	"	"	"	"	
Iron	6900	4.00	"	"	"	"	"	"	
Manganese	284	0.400	"	"	"	"	"	"	
Potassium	679	20.0	"	"	"	"	"	"	
Silver	0.0374	0.0200	"	"	"	"	"	"	
Zinc	27.0	0.400	"	"	"	"	"	"	

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Date Sampled: 07/21/20 12:45

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	30.4	10.4	mg/kg dry	1	2007251	07/23/20	07/23/20	EPA 6020B	
Magnesium	18.1	5.19	"	"	"	"	"	"	
Sodium	94.5	5.19	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 07/21/20 12:45

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	3.35	0.100	units	1	2007268	07/24/20	07/24/20	Calculation	

**Anions by EPA Method 300.0**

Date Sampled: 07/21/20 12:45

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Nitrate as N	6.30	0.100	mg/kg	1	2007281	07/23/20	07/27/20	EPA 300.0	

**Physical Parameters by APHA/ASTM/EPA Methods**

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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	<b>Reported:</b> 08/04/20 10:21
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**BACKGROUND**

**2007209-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/20 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.4		%	1	2007220	07/22/20	07/22/20	Calculation	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **07/21/20 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.423	0.0100	mmhos/cm	1	2007222	07/22/20	07/22/20	EPA 120.1	

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GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	Reported: 08/04/20 10:21
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**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike	Source		%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch 2007252 - EPA 3050B**

**Blank (2007252-BLK1)**

Prepared & Analyzed: 07/23/20

Phosphorus	ND	5.00	mg/kg wet							
Calcium	ND	10.0	"							
Copper	ND	0.400	"							
Iron	ND	4.00	"							
Manganese	ND	0.400	"							
Potassium	ND	20.0	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							

**LCS (2007252-BS1)**

Prepared & Analyzed: 07/23/20

Phosphorus	77.8	5.00	mg/kg wet	80.0	97.3	75-125
Calcium	80.0	10.0	"	80.0	100	80-120
Copper	40.6	0.400	"	40.0	102	80-120
Iron	71.6	4.00	"	80.0	89.6	80-120
Manganese	39.2	0.400	"	40.0	98.1	80-120
Potassium	75.2	20.0	"	80.0	94.0	80-120
Silver	2.13	0.0200	"	2.00	107	80-120
Zinc	38.0	0.400	"	40.0	94.9	80-120

**Duplicate (2007252-DUP1)**

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Phosphorus	263	5.00	mg/kg dry	254	3.77	20
Calcium	29800	10.0	"	28300	5.26	20
Copper	13.6	0.400	"	13.3	2.69	20
Iron	10500	4.00	"	10200	2.19	20
Manganese	165	0.400	"	158	3.79	20
Potassium	854	20.0	"	825	3.46	20
Silver	0.0762	0.0200	"	0.0804	5.41	20
Zinc	47.7	0.400	"	46.5	2.69	200

Summit Scientific

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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

**Total Metals by EPA 6020B - Quality Control**

**Summit Scientific**

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch 2007252 - EPA 3050B**

**Matrix Spike (2007252-MS1)**

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Phosphorus	317	5.00	mg/kg dry	84.6	254	75.0	75-125				
Calcium	30400	10.0	"	84.6	28300	NR	75-125				QM-02
Copper	52.5	0.400	"	42.3	13.3	92.8	75-125				
Iron	10900	4.00	"	84.6	10200	781	75-125				QM-02
Manganese	205	0.400	"	42.3	158	111	75-125				
Potassium	909	20.0	"	84.6	825	100	75-125				
Silver	1.97	0.0200	"	2.12	0.0804	89.2	75-125				
Zinc	92.1	0.400	"	42.3	46.5	108	75-125				

**Matrix Spike Dup (2007252-MSD1)**

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Phosphorus	329	5.00	mg/kg dry	84.6	254	88.8	75-125	3.61	25		
Calcium	33600	10.0	"	84.6	28300	NR	75-125	9.85	20		QM-02
Copper	53.5	0.400	"	42.3	13.3	95.1	75-125	1.88	25		
Iron	11500	4.00	"	84.6	10200	NR	75-125	5.62	25		QM-02
Manganese	201	0.400	"	42.3	158	102	75-125	1.91	25		
Potassium	912	20.0	"	84.6	825	103	75-125	0.248	25		
Silver	2.04	0.0200	"	2.12	0.0804	92.6	75-125	3.65	25		
Zinc	95.0	0.400	"	42.3	46.5	115	75-125	3.10	25		

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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 2007251 - General Preparation

Blank (2007251-BLK1)

Prepared & Analyzed: 07/23/20

Calcium	ND	10.0	mg/kg wet							
Magnesium	ND	5.00	"							
Sodium	ND	5.00	"							

LCS (2007251-BS1)

Prepared & Analyzed: 07/23/20

Calcium	486	10.0	mg/kg wet	500	97.3	70-130				
Magnesium	539	5.00	"	500	108	70-130				
Sodium	502	5.00	"	500	100	70-130				

Duplicate (2007251-DUP1)

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Calcium	5410	10.6	mg/kg dry	4830			11.3	20		
Magnesium	392	5.29	"	356			9.55	20		
Sodium	541	5.29	"	534			1.42	20		

Matrix Spike (2007251-MS1)

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Calcium	5240	10.6	mg/kg dry	529	4830	77.5	70-130			
Magnesium	857	5.29	"	529	356	94.7	70-130			
Sodium	1060	5.29	"	529	534	100	70-130			

Matrix Spike Dup (2007251-MSD1)

Source: 2007186-01

Prepared & Analyzed: 07/23/20

Calcium	5210	10.6	mg/kg dry	529	4830	72.2	70-130	0.535	25	
Magnesium	893	5.29	"	529	356	101	70-130	4.09	25	
Sodium	1030	5.29	"	529	534	93.8	70-130	3.30	25	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S<sub>2</sub>

GIS Peace 2951 Niagara St Denver CO, 80207	Project: PRICE #1 SOIL ANALYSIS Project Number: [none] Project Manager: Carter Peace	Reported: 08/04/20 10:21
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**Anions by EPA Method 300.0 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch 2007281 - General Preparation**

<b>Blank (2007281-BLK1)</b>											
Nitrate as N	ND	0.100	mg/kg								Prepared: 07/23/20 Analyzed: 07/27/20
<b>LCS (2007281-BS1)</b>											
Nitrate as N	158	0.100	mg/kg	150	105	80-120					Prepared: 07/23/20 Analyzed: 07/27/20
<b>Duplicate (2007281-DUP1)</b>											
Nitrate as N	31.8	0.100	mg/kg		32.0				0.470	20	Source: 2007209-01 Prepared: 07/23/20 Analyzed: 07/27/20
<b>Matrix Spike (2007281-MS1)</b>											
Nitrate as N	208	0.100	mg/kg	150	32.0	117	75-125				Source: 2007209-01 Prepared: 07/23/20 Analyzed: 07/27/20

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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

S2

GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
08/04/20 10:21

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Units	Spike Level	Source		%REC		RPD		Notes
		Limit				Result	%REC	Limits	RPD	Limit		

**Batch 2007220 - General Preparation**

**Duplicate (2007220-DUP1)**

**Source: 2007141-01**

**Prepared & Analyzed: 07/22/20**

% Solids	86.5	%	86.4	0.122	20
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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

Reported:  
08/04/20 10:21

**Specific Conductance by EPA Method 120.1 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch 2007222 - General Preparation**

**Blank (2007222-BLK1)**

Specific Conductance (EC)                      ND                      0.0100 mmhos/cm

Prepared & Analyzed: 07/22/20

**LCS (2007222-BS1)**

Specific Conductance (EC)                      0.807                      0.0100 mmhos/cm

Prepared & Analyzed: 07/22/20

0.750                      108                      90-110

**Duplicate (2007222-DUP1)**

**Source: 2007141-01**

Specific Conductance (EC)                      0.495                      0.0100 mmhos/cm

Prepared & Analyzed: 07/22/20

0.496                      0.273                      20

Summit Scientific



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

## Analytical Results

**Report To:** Paul Shrewsbury  
**Company:** Summit Scientific  
 4653 Table Mountain Drive  
 Golden CO 80403

**Task No:** 200722132  
**Date Received:** 7/22/20  
**Reported:** 7/31/20  
**Client PO:**  
**Client Project:** 2007209

<b>Customer Sample ID</b>	<b>North</b>	<b>Lab Number:</b> 200722132-01
<b>Sample Date/Time:</b> 7/21/20 12:00 PM		<b>Matrix:</b> Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>As Received Basis</i>					
pH	9.3 units	-	ASA2 12-2.6.5	7/28/20	PJL
<i>Dry Weight Basis</i>					
Lime	1.4 % CaCO3 Eq.	0.1	USDA60 6 (23c)	7/29/20	MBN
Organic Matter	3.2 %	0.1	ASTM 2974-C (mod)	7/29/20	PJL
Sand	31 %	1	ASA1 43-5	7/31/20	PJL
Silt	30 %	1	ASA1 43-5	7/31/20	PJL
Clay	39 %	1	ASA1 43-5	7/31/20	PJL
USDA Texture	Clay Loam	0	ASA1 43-5	7/31/20	PJL

ASA = "Methods of Soil Analysis, Parts 1 and 2", Second Edition, American Society of Agronomy and Soil Science Society of America. Madison, WI, 1982  
 SW-846 = "Test Methods for Evaluating Solid Waste": USEPA: November 1986  
 AB-DTPA = "Soil Testing Methods Used at Colorado State University for the Evaluation of Fertility, Salinity and Trace Element Toxicity": Colorado State University Technical Bulletin LTB88-2: Jan 1998: SM Workman, PN Soltanpour and RH Follett.



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## Analytical Results

**Report To:** Paul Shrewsbury  
**Company:** Summit Scientific  
4653 Table Mountain Drive  
Golden CO 80403

**Task No:** 200722132  
**Date Received:** 7/22/20  
**Reported:** 7/31/20  
**Client PO:**  
**Client Project:** 2007209

**Customer Sample ID** East  
**Sample Date/Time:** 7/21/20 12:15 PM

**Lab Number:** 200722132-02  
**Matrix:** Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>As Received Basis</i>					
pH	8.3 units	-	ASA2 12-2.6.5	7/28/20	PJL
<i>Dry Weight Basis</i>					
Lime	0.3 % CaCO <sub>3</sub> Eq.	0.1	USDA60 6 (23c)	7/29/20	MBN
Organic Matter	2.4 %	0.1	ASTM 2974-C (mod)	7/29/20	PJL
Sand	41 %	1	ASA1 43-5	7/31/20	PJL
Silt	30 %	1	ASA1 43-5	7/31/20	PJL
Clay	29 %	1	ASA1 43-5	7/31/20	PJL
USDA Texture	Clay Loam	0	ASA1 43-5	7/31/20	PJL

ASA = "Methods of Soil Analysis, Parts 1 and 2", Second Edition, American Society of Agronomy and Soil Science Society of America, Madison, WI, 1982.  
SW-846 = "Test Methods for Evaluating Solid Waste", USEPA, November 1986  
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## Analytical Results

**Report To:** Paul Shrewsbury  
**Company:** Summit Scientific  
4653 Table Mountain Drive  
Golden CO 80403

**Task No:** 200722132  
**Date Received:** 7/22/20  
**Reported:** 7/31/20  
**Client PO:**  
**Client Project:** 2007209

**Customer Sample ID** West **Lab Number:** 200722132-03  
**Sample Date/Time:** 7/21/20 12:30 PM **Matrix:** Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>As Received Basis</i>					
pH	7.7 units	-	ASA2 12-2.6.5	7/28/20	PJL
<i>Dry Weight Basis</i>					
Lime	2.8 % CaCO <sub>3</sub> Eq.	0.1	USDA60 6 (23c)	7/29/20	MBN
Organic Matter	4.0 %	0.1	ASTM 2974-C (mod)	7/29/20	PJL
Sand	31 %	1	ASA1 43-5	7/31/20	PJL
Silt	32 %	1	ASA1 43-5	7/31/20	PJL
Clay	37 %	1	ASA1 43-5	7/31/20	PJL
USDA Texture	Clay Loam	0	ASA1 43-5	7/31/20	PJL

ASA = "Methods of Soil Analysis, Parts 1 and 2", Second Edition, American Society of Agronomy and Soil Science Society of America, Madison, WI, 1982.  
SW-846 = "Test Methods for Evaluating Solid Waste", USEPA, November 1986  
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## Analytical Results

**Report To:** Paul Shrewsbury  
**Company:** Summit Scientific  
4653 Table Mountain Drive  
Golden CO 80403

**Task No:** 200722132  
**Date Received:** 7/22/20  
**Reported:** 7/31/20  
**Client PO:**  
**Client Project:** 2007209

**Customer Sample ID**      **Background**  
**Sample Date/Time:** 7/21/20      12:45 PM

**Lab Number:** 200722132-04  
**Matrix:** Soil - Environmental

Test	Result	Reporting Limit	Method	Date Analyzed	Analyzed By
<i>As Received Basis</i>					
pH	5.4 units	-	ASA2 12-2.6.5	7/28/20	PJL
<i>Dry Weight Basis</i>					
Lime	0.4 % CaCO <sub>3</sub> Eq.	0.1	USDA60 6 (23c)	7/29/20	MBN
Organic Matter	2.9 %	0.1	ASTM 2974-C (mod)	7/29/20	PJL
Sand	48 %	1	ASA1 43-5	7/31/20	PJL
Silt	44 %	1	ASA1 43-5	7/31/20	PJL
Clay	8 %	1	ASA1 43-5	7/31/20	PJL
USDA Texture	Loam	0	ASA1 43-5	7/31/20	PJL

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SW-846 = "Test Methods for Evaluating Solid Waste": USEPA, November 1986  
AB-DTPA = "Soil Testing Methods Used at Colorado State University for the Evaluation of Fertility, Salinity and Trace Element Toxicity": Colorado State University Technical Bulletin LTB88-2: Jan 1998: SM Workman, PN Soltanpour and RH Follett.



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GIS Peace  
2951 Niagara St  
Denver CO, 80207

Project: PRICE #1 SOIL ANALYSIS

Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
08/04/20 10:21

### Notes and Definitions

- QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference