BLUE CLAY LITHIUM/GOLD PROSPECT
NATIONAL INSTRUMENT 43-101 REPORT

PREPARED FOR:

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September 19, 2022

Drilling the Blue Clay – 1 Core Hole on the Blue Clay Lithium/Gold Property (Frank Bain Photo, 2022)

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES, PHOTOGRAPHS, AND ILLUSTRATIONS

LIST OF APPENDICES

1.0 SUMMARY

Sienna Resources Inc. has requested the preparation of this NI 43-101 report that details the Blue Clay Lithium and Gold Property in Esmeralda County, Nevada. Sienna Resources Inc. acquired by staking 150 lode claims totaling approximately 3,000 acres in two phases starting in February of 2021 and again in January of 2022. The general location of the property in Nevada is shown in Figure 1.

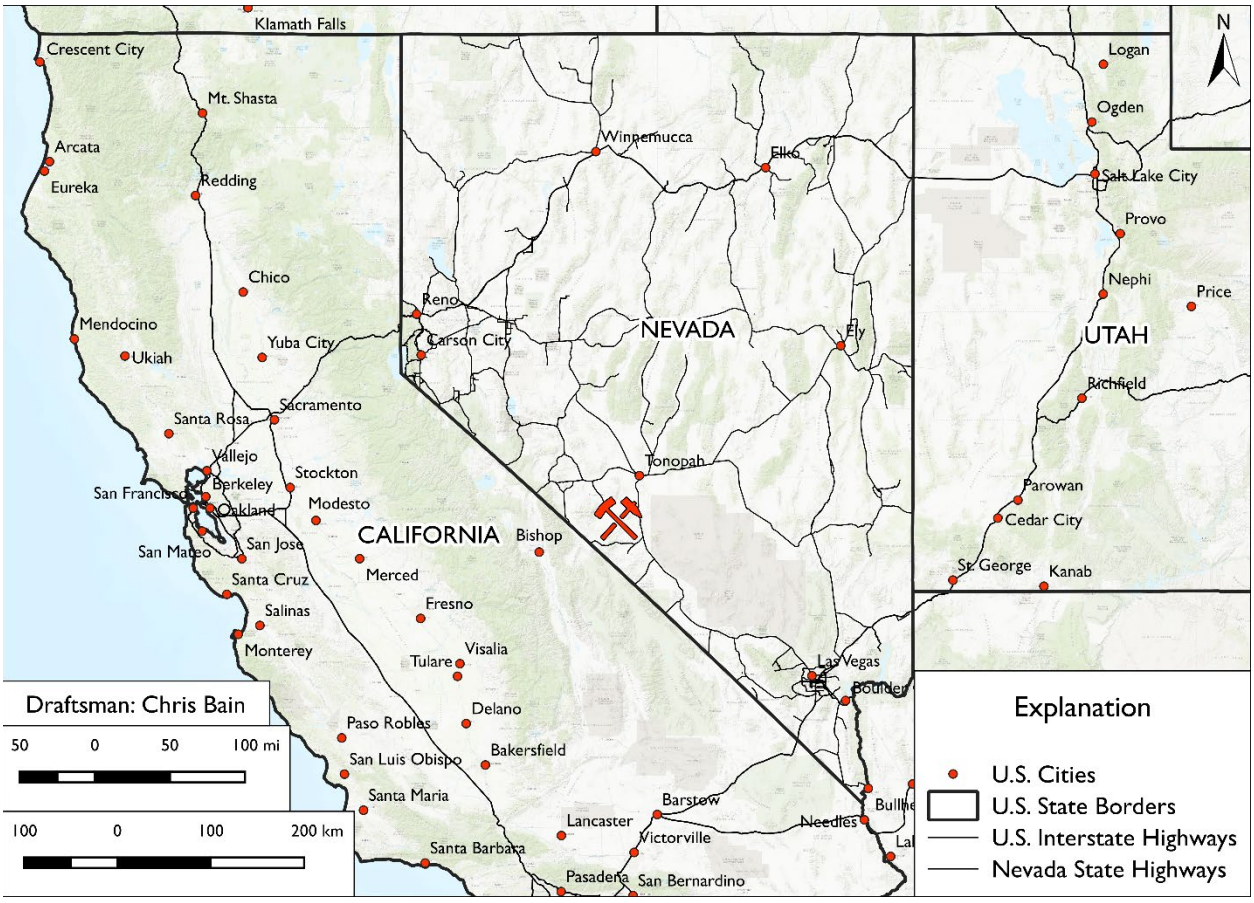


Figure 1: Blue Clay Lithium/Gold Property General Location Map (Map Dated September, 2022)

The Blue Clay Lithium/Gold Property is located on public lands administered by the Bureau of Land Management (BLM) in Clayton Valley, Esmeralda County, Nevada; specifically in Township 3 South, Range 40 East, Sections 21 – 23, 26 – 28, and 33 – 35. The Blue Clay property hosts lithium in claystone deposits similar to those found 3 to 8 miles to the north including Spearmint Resource's McGee project, Cypress Development Corporation's Clayton Valley Project, and Noram Lithium Corp.'s Zeus Lithium Project. The Blue Clay property also has an outstanding gold prospect. A 1.5-mile-long zone of hydrothermally altered Paleozoic age shales and siltstone was found along the SSW striking Clayton Ridge Basin and Range normal fault located in the eastern portion of the claim block. The argillically altered and silicified shales are intensely fractured with abundant iron staining. Quartz veins containing abundant limonite and manganese are present throughout the fault zone.

The Blue Clay Lithium/Gold Property is an early-stage exploration project and significant work is needed to determine the project's mineral potential.

2.0 Introduction and Terms of Service

2.1 Introduction

Mr. Frank Bain and Mr. John Hiner have prepared this National Instrument 43-101 technical report at the request of Sienna Resources Inc., summarizing relevant information for the Blue Clay Lithium/Gold Project located in the Clayton Valley of Esmeralda County, Nevada. This report follows and is in compliance with the Canadian Securities Administrators NI 43-101 Standards of Disclosure for Mineral Projects.

2.2 Terms of Reference

Sienna Resources Inc. located 150 Blue Clay Lode Mining Claims in February of 2021 and January of 2022. This NI 43-101 technical report provides a detailed accounting of exploration work completed on the Blue Clay Lithium/Gold Project to date, a summary of the compiled data, and recommendations for additional exploration work.

The Blue Clay Lithium/Gold Property is located in the Clayton Valley in Nevada. The Clayton Valley is home to the only actively producing lithium mine in the United States owned by the Albemarle Corporation. Several other significant claystone hosted lithium resources have been discovered in the Clayton Valley by Cypress Development Corp., Spearmint Resources Inc., and Noram Lithium Corp.

Frank Bain, Licensed Professional Geologist, completed this NI 43-101 Technical Report for Sienna Resources Inc. John E. Hiner, Licensed Professional Geologist and Registered Member of SME, reviewed and edited the report.

2.3 Sources of Information

To prepare this report, the authors have relied on several sources of information including NI 43-101 reports by Cypress Development Corp., Spearmint Resources Inc., and Noram Lithium Corp., dated March 2021, June 2021, and August 2021, respectively. Additionally, several papers from the United States Geological Survey (USGS) provided background scientific information about the Clayton Valley (Vine, 1980; Pantea & Asher-Bolinder, 1982; Davis et al., 1986; Bradley et al., 2013). A complete list of references is provided in Section 26.

2.4 Project Management and Site Presence

Mr. Frank Bain, Registered Professional Geologist, was retained by Sienna Resources Inc. to locate the Blue Clay Lode Mining Claims and manage the permitting and exploration work for the project. Mr. Bain's last visit to the project site was in April of 2022. Mr. Hiner has worked extensively in the area, most recently in June 2021.

2.5 Units and Currency

Throughout this report, measurements are presented in American or Imperial units, feet and miles, and/or metric units, meters and kilometers, for mapping purposes.

Lithium (Li) and other mineral assay values are reported in parts per million (ppm) or parts per billion (ppb).

The currency being used for drilling expenses, bonding, assaying and payment of contractors is United States Dollars (USD), unless otherwise noted.

3.0 RELIANCE ON OTHER EXPERTS

Mr. Frank Bain prepared and/or reviewed this report using personal experience, published data, internal company documents, and personal communications as noted in the text and references cited at the end of this report. Mr. John Hiner reviewed and edited the report. Mr. Hiner has conducted exploration activities in this area of Nevada for many years.

The Blue Clay lode claims are located on public lands administered by the Bureau of Land Management, Tonopah Field Office and the Battle Mountain District Office. Mineral rights were secured by staking 150 20-acre lode claims. The Blue Clay Project is 100% owned by Sienna Resources Inc.

The US Geological Survey and several mineral exploration companies have investigated the geology of the Clayton Valley. These investigations are well documented in 43-101 reports and other sources cited at the end of this report.

4.0 PROPERTY LOCATION AND DESCRIPTION

4.1 Location

The Blue Clay Lithium/Gold Project is centered near 453400 East and 4166400 North, UTM NAD 27 Zone 11, Esmeralda County, Nevada, United States of America. The property is located approximately 10 miles southeast of Silver Peak, Nevada, approximately 16 miles west-southwest of Goldfield, Nevada, and approximately 34 miles southwest of Tonopah, Nevada, the nearest town with adequate services for exploration and mining personnel. The property is located approximately 160 miles northwest of Las Vegas, Nevada and approximately 180 miles southeast of Reno, Nevada, which hosts significant mining industry support services. The property area-of-interest includes Township 3 South, Range 40 East, Sections 21 – 23, 26 – 28, and 33 – 35. The property is accessed from Goldfield or Tonopah via U.S. Highway 95, Nevada State Route 265 (Silver Peak Road), and the unpaved Silver Peak – Railroad Springs Road. A regional map, Figure 2, shows the generalized location of the Blue Clay Lithium/Gold Project.

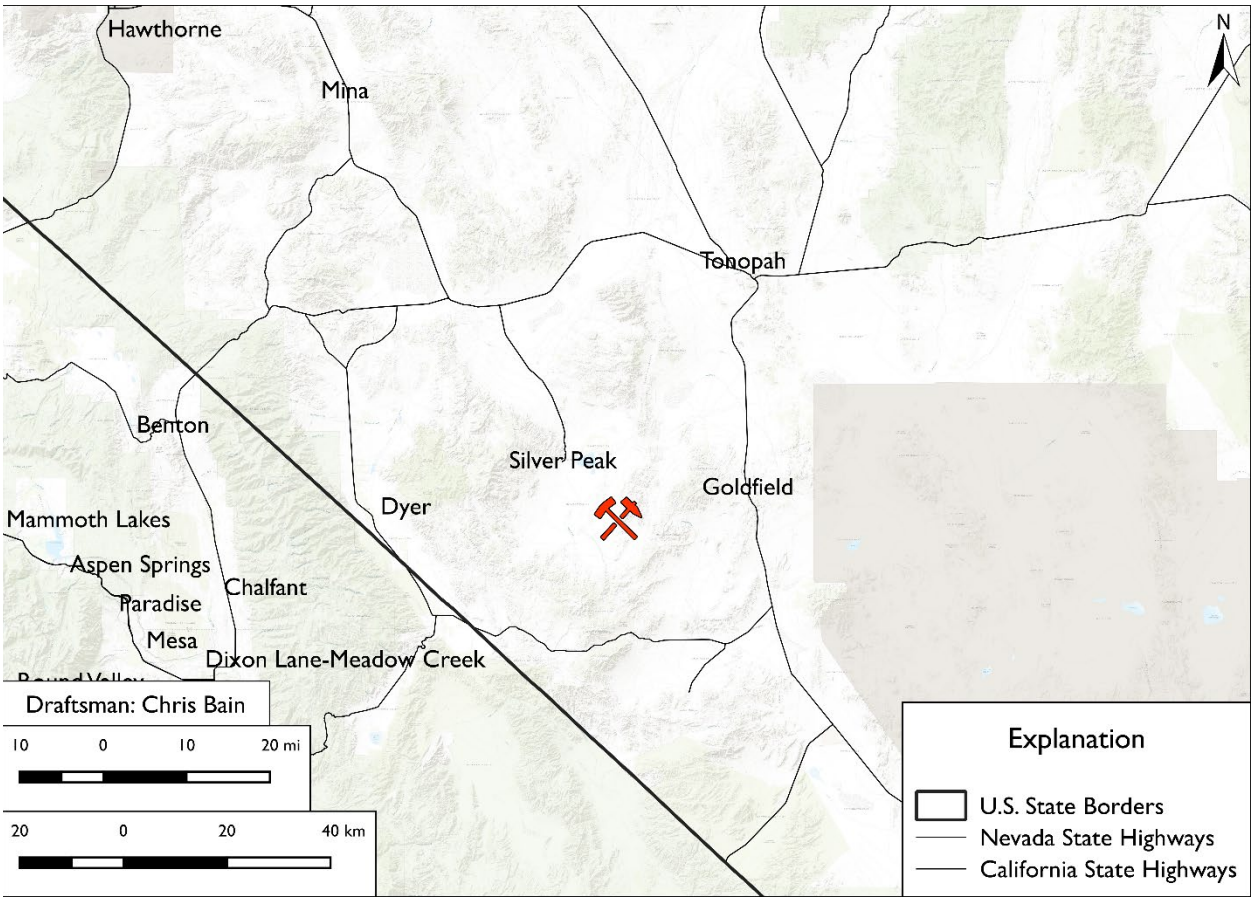


Figure 2: Location of Blue Clay Lithium/Gold Project (Map Dated September, 2022)

Figure 3 shows access to the property from Silver Peak via the unpaved Silver Peak – Railroad Springs Road.

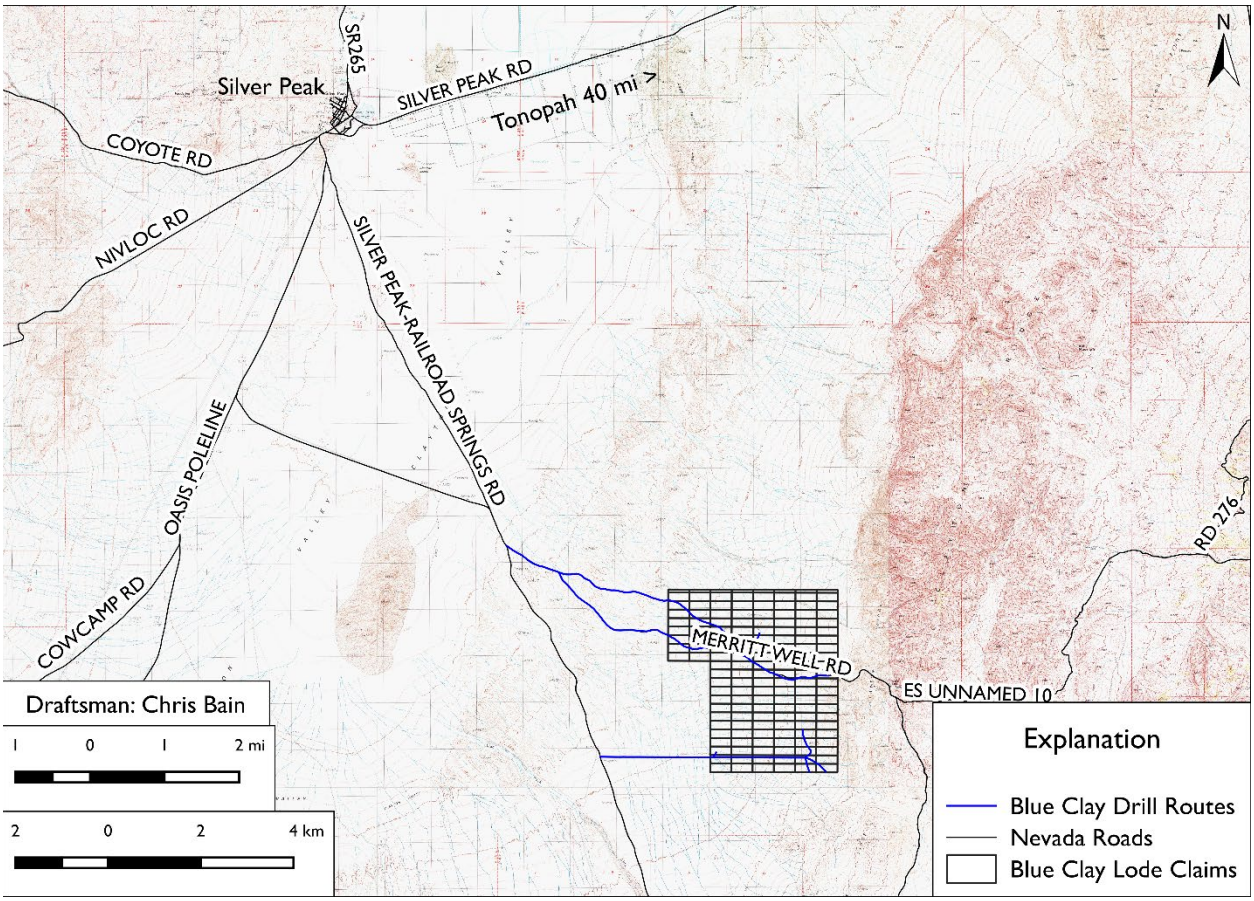


Figure 3: Blue Clay Property Access Map from Silver Peak via Silver Peak – Railroad Springs Road (Map Dated September, 2022)

4.2 Mineral Rights Disposition

The Blue Clay Lithium/Gold Project consists of 150 lode mining claims that are recorded in Esmeralda County, Nevada and The Bureau of Land Management State Office in Reno, Nevada and are 100% owned by Sienna Resources Inc. The claims required a new claim filing fee of $225.00/claim and an annual maintenance fee payment of $165.00 per claim due on or before September 1. Table 1 lists the 150 Blue Clay Lode Claims by name and BLM serial number. All claims are in good standing with the BLM.

Table 1: Blue Clay Lithium/Gold Project Lode Claims

Blue Clay Lode Claims	
NV 105296101 to NV 105296156	Blue Clay 280 to Blue Clay 335
NV 105233550 to NV 105233643	Blue Clay 98 to Blue Clay 191

The Blue Clay lode claims are shown in Figure 4.

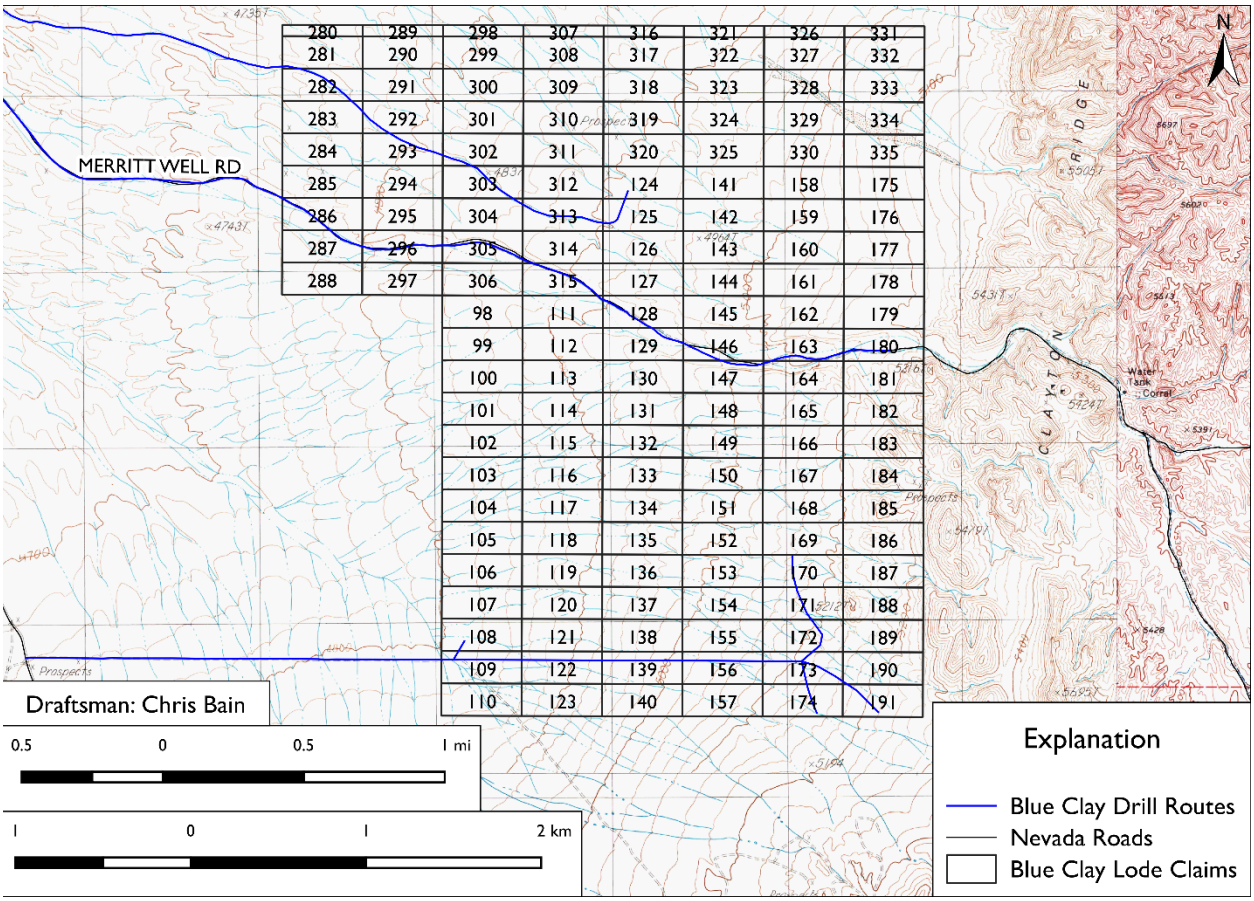


Figure 4: Blue Clay Lithium/Gold Project Blue Clay Lode Claims Map (Map Dated September, 2022)

4.3 Tenure Rights

There are two companies, Authium Resources and Ameriwest Lithium Inc., with overlapping lode and placer claims to the north and west of the Blue Clay Prospect. The claim conflict between Authium and Ameriwest is being decided in the Esmeralda County Superior Court. The Blue Clay Project is 100% owned by and the claims are maintained by Sienna Resources Inc.

There are no other known factors or risks that may affect access, title, or the right or ability to perform work on the Blue Clay Claims or areas recommended for staking. To the authors' knowledge there are no environmental liabilities associated with the property. The land under claim contains no buildings or other structures, nor any mine workings or development of any sort.

4.4 Resources, Reserves, Development, and Infrastructure

The Blue Clay property is located in the Clayton Valley, a region of significant active and historical lithium exploration and production. The Albemarle Corporation operates the Silver Peak lithium-in-brine mine, the only operating lithium mine in the United States. Several other companies including Cypress Development Corp., Spearmint Resources, and Noram Lithium Corp. have announced significant lithium discoveries on their respective projects in the Clayton Valley. The reader is cautioned that announced

discoveries on nearby properties do not imply the existence of any mineralization or resource on the Blue Clay Lithium/Gold property.

No infrastructure other than two-track roads exists on the property.

4.5 Legal Survey

The federal lode claims comprising the Blue Clay Lithium/Gold Project are all tied to the United States federal land survey and were located using consumer grade handheld GPS units.

4.6 Environmental Liabilities

The Blue Clay Lithium/Gold Project is a greenfield exploration project. No mining, prospect pits or other infrastructure exists on or near the property. The project area does not have any other uses besides mineral exploration. There are no known environmental liabilities present within the Blue Clay Project area.

4.7 Permits

A Notice-of-Intent (NOI) that allows for 5 acres of disturbance has been approved by the BLM Tonopah Field Office in Tonopah, Nevada and is attached to this report in Appendix A.

5.0 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

5.1 Access

The Blue Clay Claims property may be accessed from Goldfield or Tonopah via U.S. Route 95, Nevada State Route 265 (Silver Peak Road), and the unpaved Silver Peak – Railroad Springs Road. The claims are located approximately 10 miles southeast of Silver Peak. Access to some parts of the property can be difficult, requiring four-wheel drive, high-clearance vehicles. Minor road repairs will be required for drilling equipment access.

5.2 Local Resources

Silver Peak, Nevada, population approximately 142, is an approximate 20-minute drive from the project area. Silver Peak has virtually no mining or mineral exploration support services. Tonopah, Nevada is an approximately 1-hour drive northeast on Nevada State Route 265 and U.S. Route 95 from the project area. Tonopah is the nearest town with adequate food and lodging for mineral exploration personnel. Reno, Nevada is approximately 4 hours to the northwest of the project site and is a central hub of mining activity in the western United States, containing assaying and metallurgy services, drill contractors, skilled labor, supplies, and legal counsel specializing in mining law.

5.3 Climate

The climate in the project area is warm to hot in the summer with average high temperatures over 90° Fahrenheit and often reaching 100°. Winter temperatures are cool to cold with lows often below 20° Fahrenheit. Annual precipitation is low. The Clayton Valley often experiences severe windstorms which can cause significant blowing dust.

5.4 Physiography

The Blue Clay Lithium/Gold Project is located in the Basin and Range Geomorphic and Physiographic Province. Specifically, the property is located within the Clayton Valley, an enclosed basin bounded by the Silver Peak Mountains on the west, Clayton Ridge and the Montezuma Ridge on the east, the Palmetto Mountains on the south and the Weepah Hills to the North. The property sits at an elevation of approximately 5,000 ft. above sea level. Within the project area, the terrain is dominated by a variety of woody shrubs including sagebrush, grasses, and sparse cholla cacti on broad alluvial fans with occasional incised washes and small hills along the eastern part of the claim block where the Clayton Ridge Fault is exposed.

6.0 HISTORY

The Blue Clay Lithium/Gold property has no known prior exploration for lithium, gold, or any other minerals. Immediately south of the Blue Clay claim block PVC pipe claim posts of 1970s/1980s vintage were found in an area with spotty copper oxide minerals in outcrops.

The Clayton Valley has seen significant historic lithium exploration. The Albemarle Corporation's Clayton Valley lithium-in-brine mine has been producing since the 1960s. Albemarle is currently drilling new production wells that may significantly increase lithium production.

The USGS has investigated the Clayton Valley and the surrounding basins for lithium mineralization in both lithium brine and lithium bearing claystone deposits since at least the 1980s (Vine, 1980; Pantea & Asher-Bolinder, 1982; Davis et al., 1986; Bradley et al., 2013).

More recently, several mineral exploration companies including Cypress Development Corp., Spearmint Resources Inc., and Noram Lithium Corp. have explored the lithium bearing claystones exposed on the eastern margins of the basin. As of the date this report was published, Cypress, Spearmint, and Noram have announced resource discoveries of 6.28 Mt Lithium Carbonate Equivalent (LCE) indicated (https://cypressdevelopmentcorp.com/projects/nevada/clayton-valley-lithium-project-nevada/), 1.006 Mt LCE indicated and inferred (https://www.spearmintresources.ca/projects/clayton-valley-lithium-projects/), and 1.78 Mt LCE measured and indicated with 3.89 Mt LCE inferred (https://noramlithiumcorp.com/resource/clayton-valley/), respectively. The reader is cautioned that announced discoveries on nearby properties do not imply the existence of any mineralization or resource on the Blue Clay Lithium/Gold property.

6.1 Compilation of Reports on Exploration Programs

This is the first NI 43-101 report prepared for the Blue Clay Lithium/Gold Project. NI 43-101 reports have been prepared by other mineral exploration companies in the Clayton Valley for their respective projects including Cypress Development and Spearmint Resources. Previously prepared NI 43-101 reports for other projects in the Clayton Valley may be referenced in this report, if applicable and appropriate.

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 District Geology

Nevada's Clayton Valley is located within the Basin and Range geomorphic and physiographic province which consists of horst and graben faulting. Faulting in the Clayton Valley may also accommodate regional right lateral defamation associated with the Walker Lane (Foy, 2011).

Clayton Valley is bounded on the north by the Weepah Hills, on the east by the Clayton and Paymaster Ridges, on the south by the Palmetto Mountains and Montezuma Range, and on the west by the Silver Peak Range. Clayton valley consists of broad alluvial fan slopes with a central playa that is about 100 square kilometers in size. Elevations range from approximately 4,265 feet on the central playa to approximately 9,450 feet at Piper Peak (Davis & Vine, 1979).

Lithium in the Clayton Valley is hosted in brines, which are mined by the Albemarle Corporation, and in blue, green, and tan tuffaceous claystones of the Esmeralda Formation. These claystones are the host formation for lithium mineralization and one of two targets identified for exploration activities on the Blue Clay Lithium/Gold Claims.

Esmeralda County is also host to significant active and historic exploration and mining for gold and silver. Gold was discovered near Silver Peak in 1863 and the Silver Peak mining district produced more than 5 million ounces of silver and 300,000 troy ounces of gold between the 1870's and 1986 (Keith et al., 1988). The Goldfield mining district produced more than 4.2 million ounces of gold, 1.5 million ounces of silver, and 7.7 million pounds of copper from bonanza grade ores since its discovery in 1902 (Ashley & Keith, 1976). A new large open pit mine is in the planning stage by Centerra Gold and is located just north of Goldfield, NV. Tonopah, NV is home to the second largest silver strike in Nevada and has produced more than 174 million ounces of silver and 1.8 million ounces of gold (https://blackrocksilver.com/#:~:text=Known%20as%20the%20Queen%20of,gold%20districts%20in%20North%20America.).

The generalized geology of the Clayton Valley and surrounding areas is shown in Figure 5, a 1:250,000 scale geologic mapping from Crafford (2007).

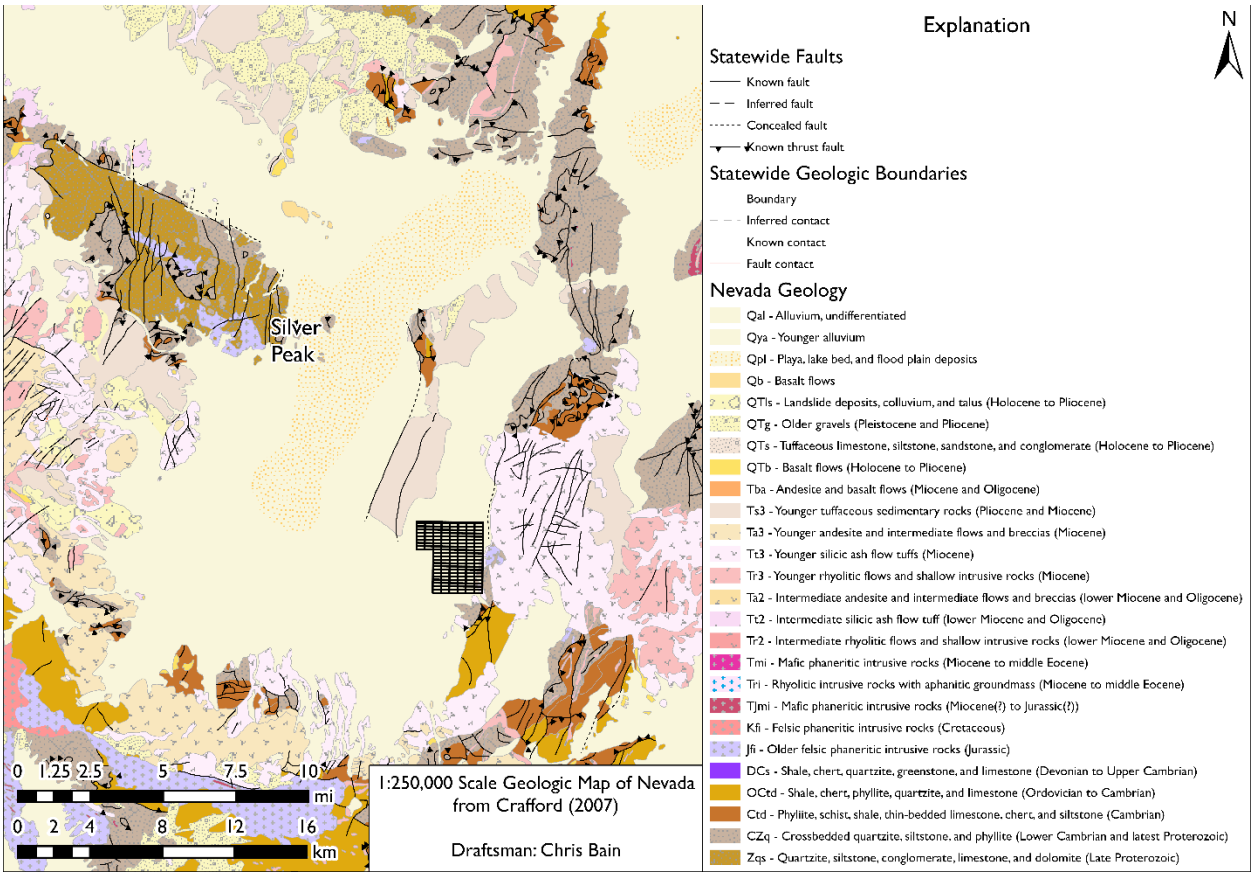


Figure 5: Generalized Geologic Map of the Clayton Valley and Surrounding Mountains (Mapping from Crafford, 2007)

The generalized geology as encountered by core drilling within the Blue Clay Claim Block, located in the extreme southeastern portion of the Clayton Valley is comprised of the following geologic formations:

- **Alluvial Deposits of Late Pliocene to Recent Age**: Unconsolidated sands and gravels deposited in alluvial fan or wind-blown environments.
- **Claystone and Siltstone – Late Miocene to Early Pliocene Age**: Lithium bearing green and brown claystones and siltstones of the Esmeralda Formation.
- **Tuffaceous Sedimentary Rocks of Late Miocene to Pliocene Age**
- **Carbonate Rocks of Paleozoic Age**: Limestone and hydrothermally altered shales and siltstones.

7.2 Property Geology

The Blue Clay Lithium and Gold Property lies on the eastern side of the Clayton Valley, which is bounded by the Clayton Ridge Normal Fault. Unconsolidated sediments overlying the targeted tuffaceous claystones of the Esmeralda Formation thicken towards the Clayton Ridge Fault. The unconsolidated overlying sediments are at least 250 feet thick on the western end of the project area and approximately 100 feet thick on the eastern end. Lithium bearing claystones were intersected in the Blue Clay – 1 drill hole located approximately 750 feet west of the Clayton Ridge Fault on the down-dropped side of the block.

7.3 Property Mineralization

The surficial geology at the Blue Clay Lithium/Gold Property is predominantly alluvial sands and gravel with several incised washes. Mineralized green clays do not outcrop on the Blue Clay Claims but were projected by air photo interpretation to be found within the Blue Clay Claim Block and confirmed in the Blue Clay – 1 core hole starting at 115 feet and continuing to 235 feet. The mineralized intercept averaged 800 ppm Li over 120 feet. Green clay was present in the hole until 400 feet but appears to have been bleached by hydrothermal fluids related to the underlying and outcropping hydrothermally altered shales and siltstones, which could indicate gold mineralization at depth. Lithium values in the lower green and gray clays from 235 to 400 feet varied from 40 to 420 ppm lithium. The clay horizon is laterally continuous but has been faulted and down dropped by several basin and range type faults.

The clays are altered volcanic ash that constitutes a facies within the Miocene age Esmeralda Formation found in west central Nevada. The thickness and composition of the Esmeralda Formation varies depending on location. In the Blue Clay Project area, the Esmeralda Formation has a minimum thickness of 275 feet and consists of claystone, siltstone, sandy claystones, conglomerate, and lacustrine sediments.

Hydrothermally altered siltstones and shales outcrop on the footwall side of the SSW striking Clayton Ridge Basin and Range normal fault. The outcrops are argillically altered and intensely fractured with significant iron staining on the fracture surfaces. Brecciated jasperoids and narrow quartz veins with limonite and manganese are found throughout the 1.5-mile-long exposed outcrop.

Figure 6 shows outcropping, fractured, argillically altered outcrops of what are believed to be Paleozoic age sedimentary rocks on the footwall side of the Clayton Ridge Fault within the Blue Clay Lithium/Gold claim block.

Figure 6: Outcrops of Hydrothermally Altered Siltstones on the Footwall Side of the Clayton Ridge Basin and Range Normal Fault on the Blue Clay Lithium/Gold Property (Frank Bain Photo, 2022)

Figure 7 shows a closer view the hydrothermally altered siltstones that crop out on the footwall side of the Clayton Ridge Fault on the property. The outcrop in Figure 7 is intensely fractured and the fracture surfaces are stained with iron oxide.

Figure 7: Outcrops of Hydrothermally Altered Paleozoic Age Siltstones on the Footwall Side of the Clayton Ridge Basin and Range Normal Fault on the Blue Clay Lithium/Gold Property (Frank Bain Photo, 2022)

Figure 8 is a close-up picture of intensely fractured and altered siltstones and Figure 9 is a close-up picture of brecciated and silicified jasperoids at the Blue Clay Lithium/Gold Property.

Figure 8: Hydrothermally Altered and Intensely Fractured Siltstone at the Blue Clay Lithium/Gold Property (Frank Bain Photo, 2022)

Figure 9: Brecciated and Silicified Jasperoids at the Blue Clay Lithium/Gold Property (Frank Bain Photo, 2022)

On the eastern side of the hills pictured in Figure 6 and Figure 7 are outcrops of calcium/silica sinter-like deposits and are pictured in Figure 10. These deposits are evidence of extinct hot springs that came up along the Clayton Ridge Fault.

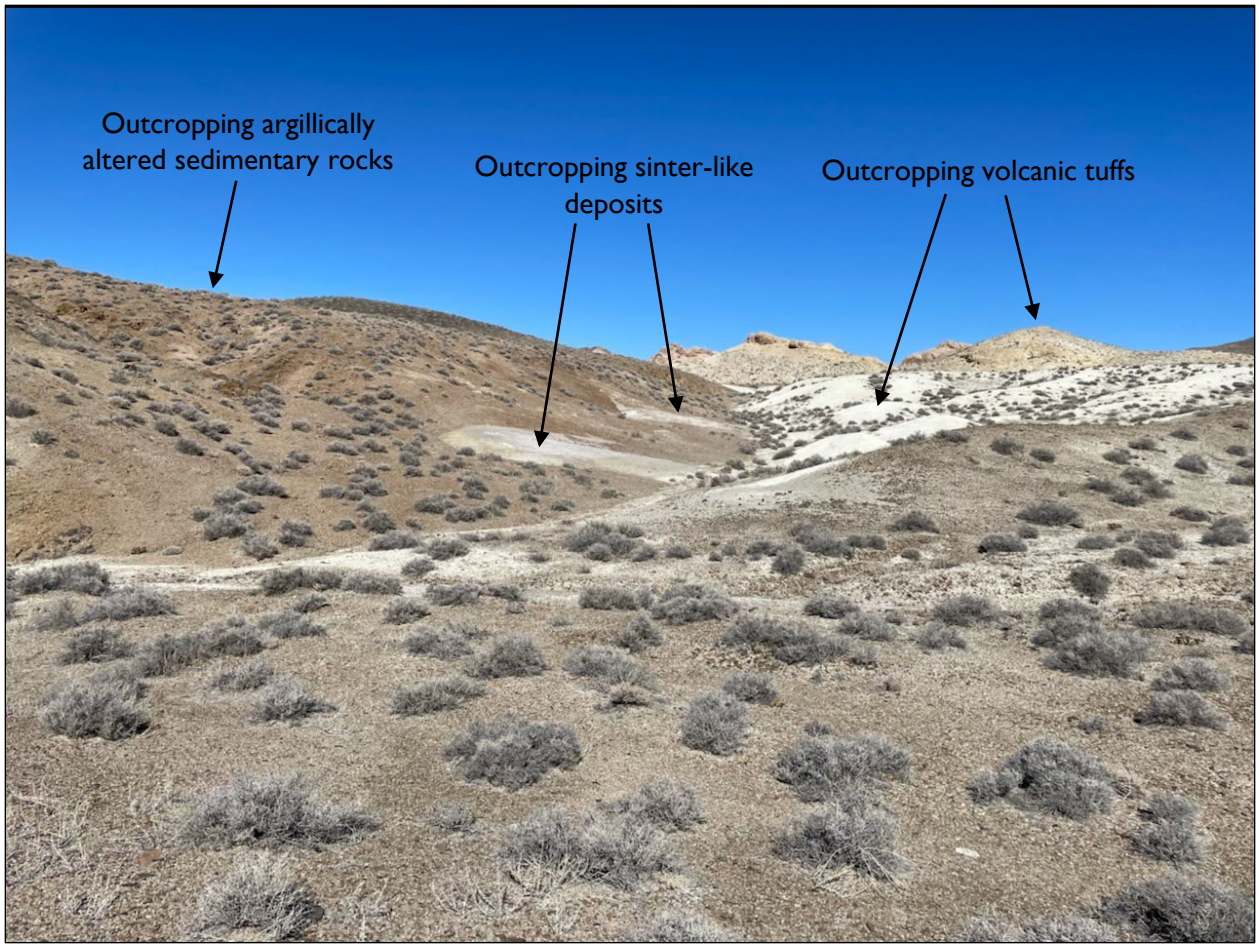


Figure 10: Outcrops of Calcareous Sinter-Like Deposits Between Argillically Altered Siltstones and Volcanic Tuffs (Frank Bain Photo, 2022)

Figure 11 shows alteration typical of Nevada gold deposits.

Figure 11: Altered, Brecciated, and Iron-Stained Siltstone Typical of Nevada Style Gold Deposits (Frank Bain Photo, 2022)

8.0 DEPOSIT TYPE

Lithium occurs in potentially economic concentrations in three types of deposits: pegmatites, continental brines, and clays. Lithium is produced from pegmatites and brines, with brines the largest producer of lithium worldwide. There is no active mining of lithium clay deposits.

Regional geologic traits of lithium clay deposits, as presented by (Asher-Bolinder, 1991), include a basin-and-range setting characterized by volcanism, crustal extension, and high rates of sedimentation. The depositional environment is limited to arid, closed basins of tectonic or caldera origin, with an age of deposition ranging from Paleocene to Holocene. Host rocks include volcanic ash layers that have been altered to clay and lacustrine sediments.

Lithium at the Blue Clay Property was discovered in the Blue Clay – 1 core hole and is hosted in thick and laterally extensive clay layers of the Late Miocene to Early Pliocene age Esmeralda Formation.

The property is also highly prospective for gold in hydrothermally altered sedimentary rocks of Paleozoic age.

9.0 EXPLORATION

No previous exploration is known to have been performed at the Blue Clay Lithium/Gold Property. Sienna Resources staked 150 Blue clay Lode Claims in February of 2021 and January of 2022 based on the interpretation of aerial photos and geologic reconnaissance. No claystone of the Esmeralda Formation was found in outcrop. Forty-two surface grab samples of argillized, silicified, brecciated and quartz veined Paleozoic age? shales and siltstones with abundant limonite and manganese, all indicative for gold, were collected and assayed for gold, silver, arsenic, and barium. The results are summarized in Table 2. The complete assays performed by ALS Laboratories in Reno, Nevada are presented in Appendix B.

Table 2: Blue Clay Lithium/Gold Prospect Surface Sample Assay Results

Sample	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Barium (ppm)
BC-1	1	<0.2	475	90
BC-2	2	<0.2	573	150
BC-3	1	<0.2	113	180
BC-4	2	<0.2	132	190
BC-5	4	<0.2	308	150
BC-6	<1	<0.2	990	**1210**
BC-7	2	<0.2	119	80
BC-8	2	<0.2	139	80
BC-9	<1	<0.2	93	110
BC-10	1	<0.2	184	110
BC-11	1	<0.2	139	90
BC-12	<1	<0.2	305	110
BC-13	<1	<0.2	122	230
BC-14	1	<0.2	230	260
BC-15	<1	<0.2	268	200
BC-16	<1	<0.2	55	80
BC-17	<1	<0.2	51	130
BC-18	4	<0.2	92	110
BC-19	<1	<0.2	158	100
BC-20	<1	0.2	45	90
BC-21	**115**	0.3	**1605**	40
BC-22	28	0.2	442	70
BC-23	4	<0.2	175	70
BC-24	4	<0.2	48	50
BC-25	6	**0.4**	52	130
BC-26	1	<0.2	26	90
BC-27	<1	<0.2	52	140
BC-28	<1	<0.2	788	110
BC-29	<1	<0.2	821	80
BC-30	1	<0.2	816	950
BC-31	<1	<0.2	49	90
BC-32	<1	<0.2	16	50
BC-33	4	<0.2	37	50
BC-34	<1	<0.2	32	90
BC-35	<1	<0.2	74	360
BC-36	4	0.3	20	180
BC-37	7	<0.2	401	120
BC-38	<1	<0.2	482	100
BC-39	<1	<0.2	40	80
BC-40	1	<0.2	80	100
BC-41	<1	<0.2	43	200
BC-42	<1	<0.2	50	490

The assay results for BC-1 through BC-42 are shown in Figure 12 through Figure 15. These samples were collected to test the outcropping hydrothermally altered sediments for gold mineralization. All samples were collected using hand tools, placed in cloth bags with sample designations, rock type was noted, and the location recorded with a handheld GPS unit.

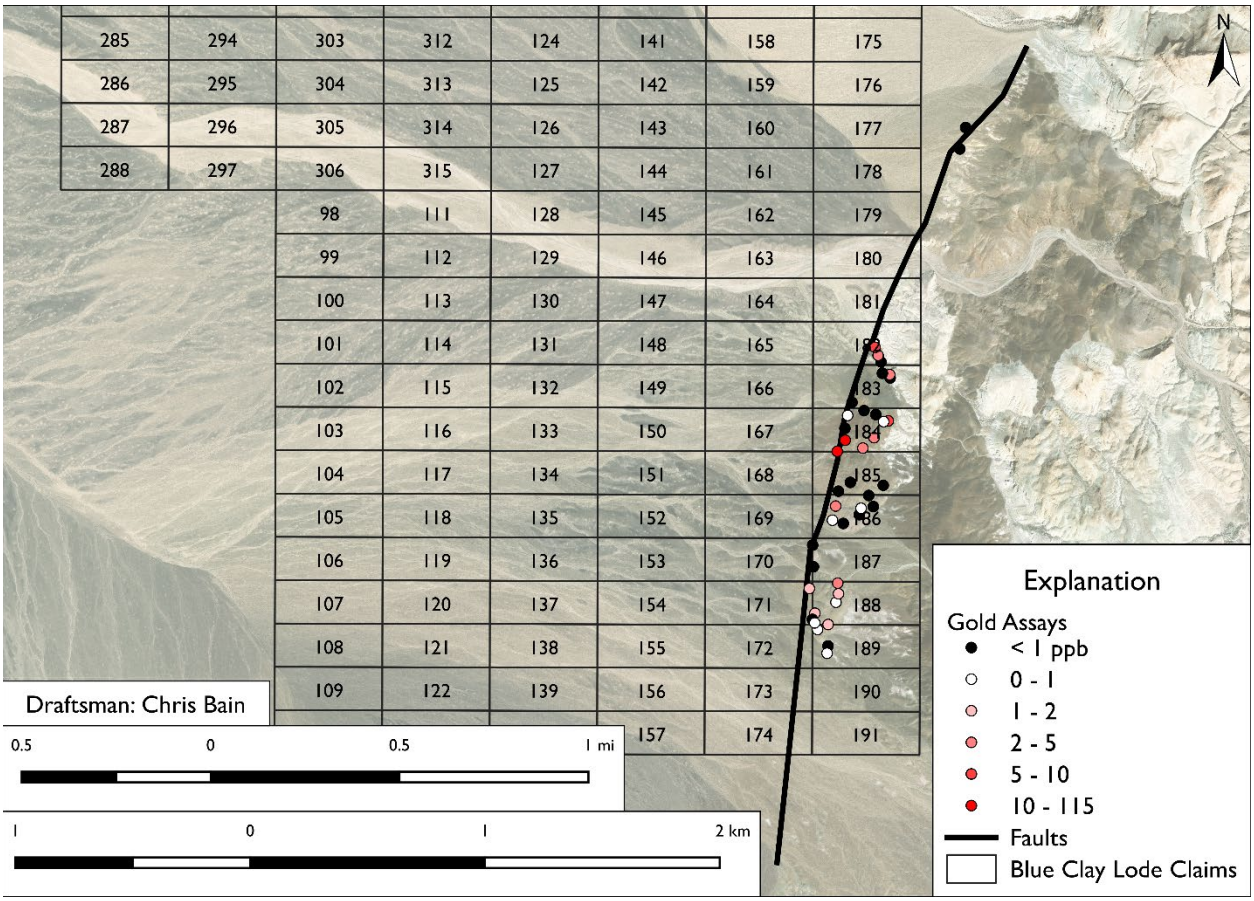


Figure 12: Surface Grab Sample Assay Results for Gold at the Blue Clay Lithium/Gold Property (Map Dated September, 2022)

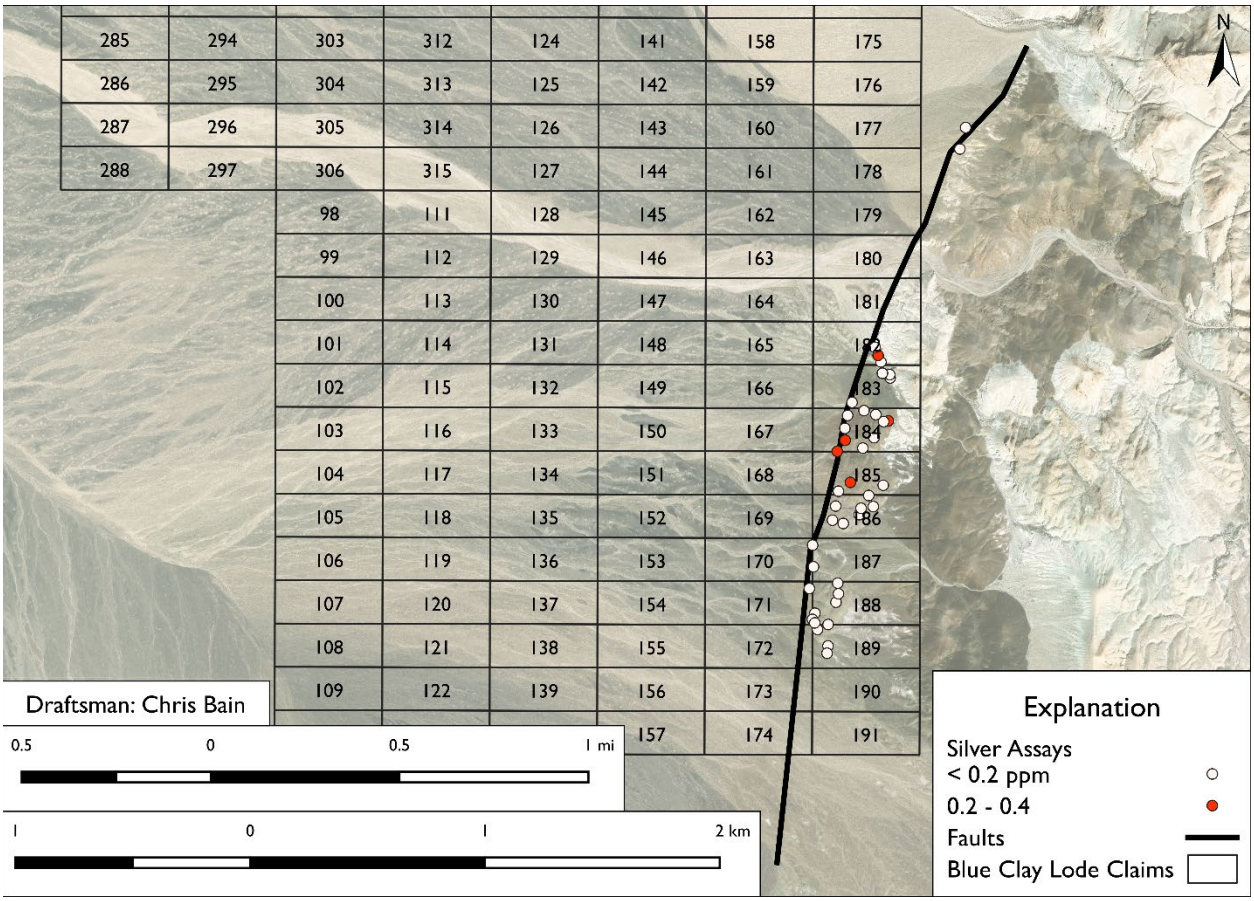


Figure 13: Surface Grab Sample Assay Results for Silver at the Blue Clay Lithium/Gold Property (Map Dated September, 2022)

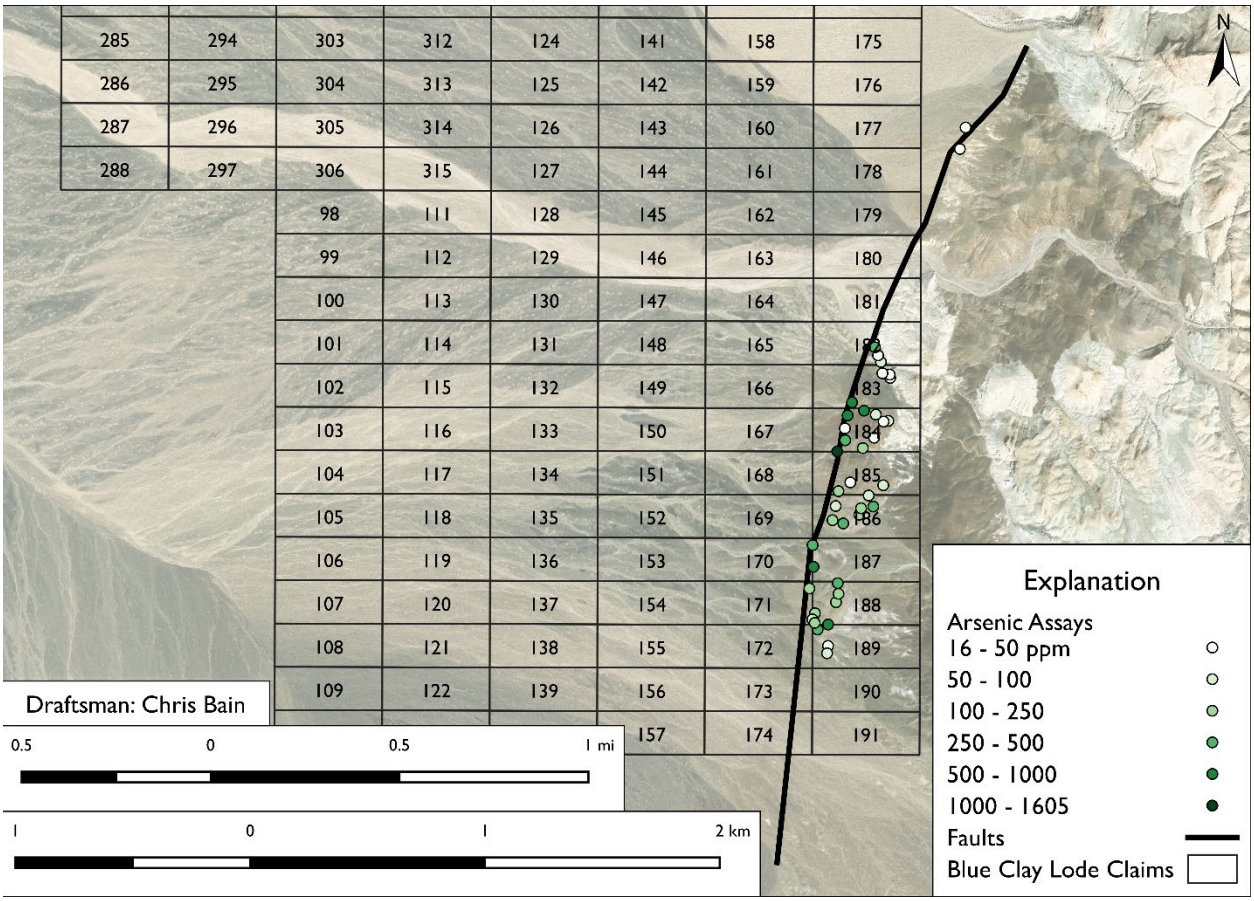


Figure 14: Surface Grab Sample Assay Results for Arsenic at the Blue Clay Lithium/Gold Property (Map Dated September, 2022)

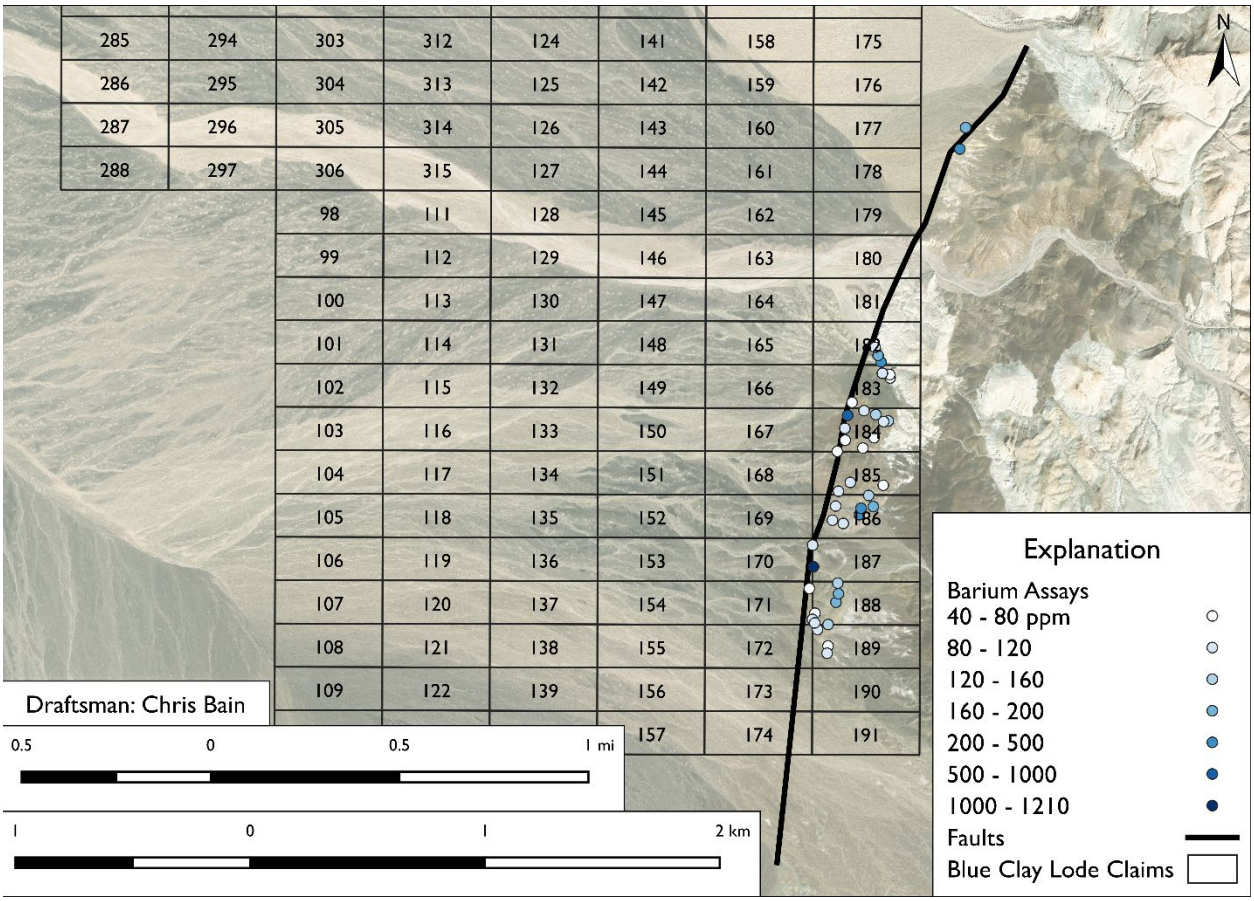


Figure 15: Surface Grab Sample Assay Results for Barium at the Blue Clay Lithium/Gold Property (Map Dated September, 2022)

10.0 EXPLORATION DRILLING

Three shallow exploration core holes were completed on the Blue Clay Lithium/Gold prospect in early February of 2022. Only one test hole intercepted the targeted claystone of the Esmeralda Formation. Drilling was completed by Harris Exploration Drilling based in Hawthorne, Nevada using a track mounted drill. HQ size core (2.5 inch) was collected. A total of 928 feet was drilled in Phase I Exploration. All holes were drilled vertically, and no downhole surveys were performed. Drill hole collar elevations and UTM locations are shown on the drill hole summary logs below. The drill hole locations are shown on a satellite photo base map in Figure 16.

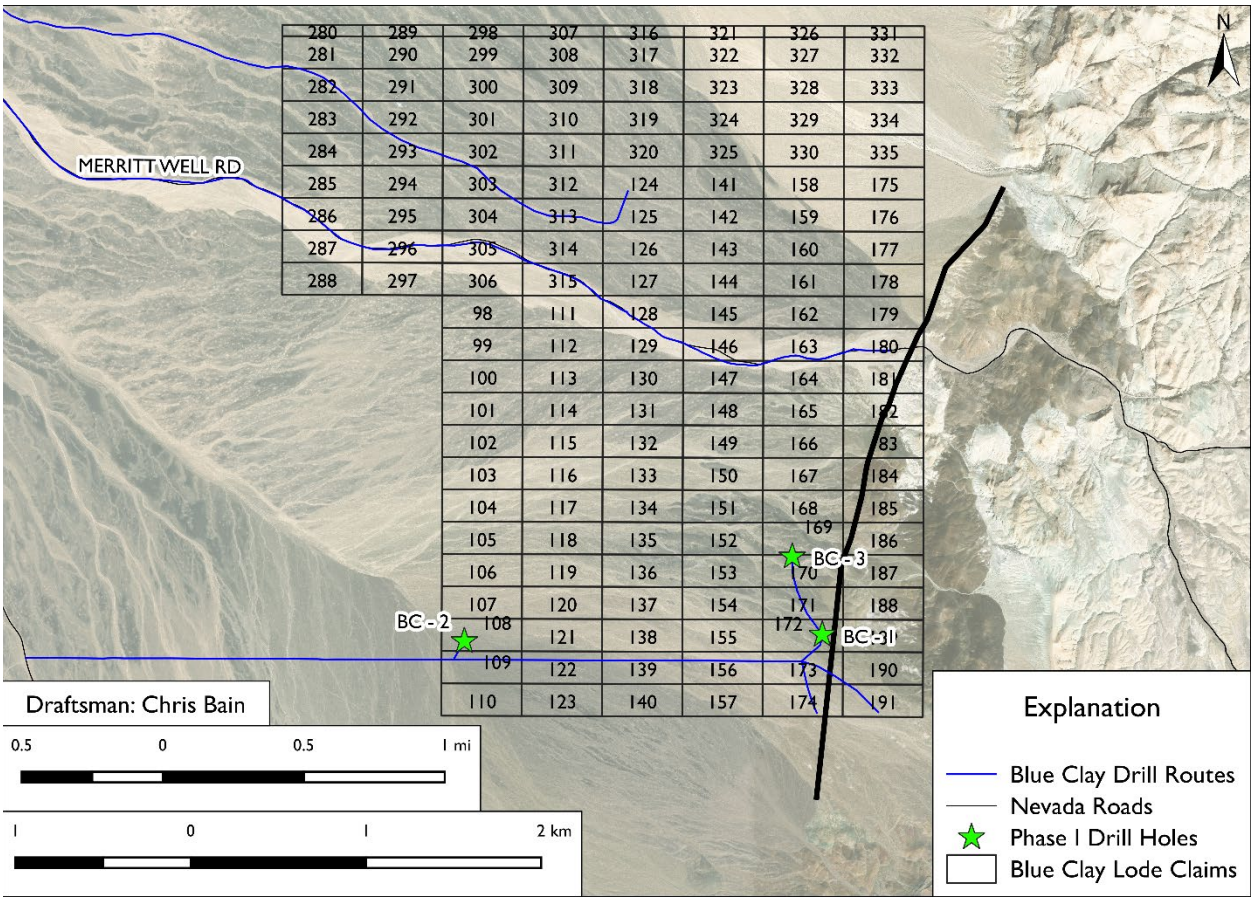


Figure 16: Blue Clay Prospect Phase I Drill Hole Location Map (Map Dated September, 2022)

The Blue Clay – 1 core hole indicates a favorable section of consistent lithium bearing claystone is present at a shallow depth. Additional exploration drilling is needed to determine whether the mineral resource could be identified.

The drill hole geologic logs are summarized below. Core recovery was better than 95 percent. There were no drilling, sampling, or recovery factors that might materially impact the accuracy or reliability of the drilling results.

Blue Clay – 1: UTM's: 454205 N, 4164910 E, NAD 27, Elevation: 5113 feet
0 – 98' – Alluvial sand and gravel
98 – 115' – Conglomerate
115 – 240' – Green clay
240 – 257' – Mixed ash and laminated clay
257 – 300' – Gray clay
300 – 348' – Sandy gray clay
348 – 376' – Brown conglomerate
376 – 401' – Varved gray green clay

401 – 428’ – Bleached siltstone/limestone, brecciated, oxidized, and veined with abundant hematite and Limonite. Hole drilled into hydrothermally altered rock that outcrops 750 feet to east. Hole stopped at 250 ft.

Blue Clay 2: UTM’s: 452163 N, 4164885E, NAD 27, Elevation: 4885 feet
0 – 250’ – Alluvial sand and gravel
Hole stopped at 250 ft.

Blue Clay 3: UTM’s: 454036 N, 4165355 E, NAD 27, Elevation: 5075 feet
0 – 250’ – Alluvial sand and gravel
Hole stopped at 250 ft.

Figure 17 shows green clay core in drill hole Blue Clay – 1.

Figure 17: Green Clay in Core from Drill Hole Blue Clay – 1 (Frank Bain Photo, 2022)

Figure 18 and Figure 19 show hydrothermally altered siltstones from core hole Blue Clay – 1.

Figure 18: Hydrothermally Altered Siltstones from Core Hole Blue Clay – 1 (Frank Bain Photo, 2022)

Figure 19: Hydrothermally Altered Siltstones from Core Hole Blue Clay – 1 (Frank Bain Photo, 2022)

A geologic cross section, Figure 20, of core hole BC – 1 was prepared to show the relationship between the hydrothermally altered Paleozoic age sedimentary rocks, the Miocene age lithium bearing claystones, and regional faulting.

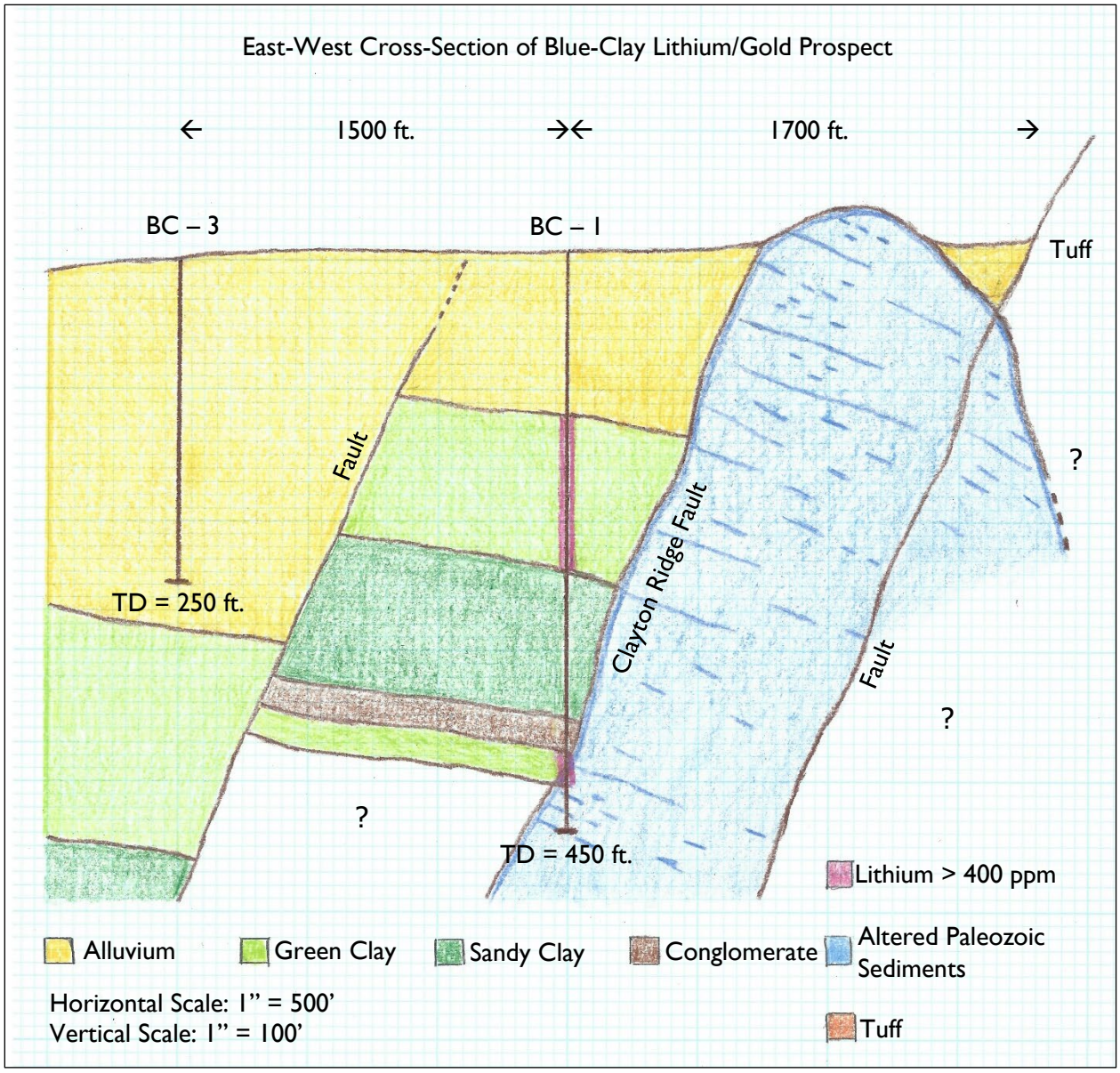


Figure 20: Geologic Cross-Section in East-West Direction of Blue Clay Lithium/Gold Prospect (Figure Drawn by Frank Bain Using Data Collected During Exploration Drilling; Figure Dated September, 2022)

11.0 SAMPLE PREPARATION, ANALYSIS, AND SECURITY

Drilling and the collection of HQ core samples was executed by Harris Exploration Drilling. Drill core was turned over to the onsite geologist Mr. Frank Bain who transported the core to the secure storage facility located at the Liberty Mine north of Tonopah, Nevada. The core was split by hand and bagged in 5-foot intervals for assaying. Samples were delivered to the ALS Laboratories processing facility in Reno, Nevada by Mr. Frank Bain and Mr. Chris Bain. Assaying for lithium and occasionally for other minerals was performed by ALS Laboratories in Vancouver, BC, Canada. Certified assay results that included standards and duplicates were provided to Sienna Resources in a timely manner.

Surface samples of hydrothermally altered sedimentary rock were collected by the QP Geologist using standard hand tools. The samples typically consisted of roughly 5 pounds of rock, which is placed directly into a cloth sample bag and marked with a “BC” sample number.

All assay results for the Phase I drilling and surface sampling performed at the Blue Clay Lithium/Gold Prospect are presented in Appendix B.

12.0 DATA VERIFICATION

The field work and data used in this report including claim staking, geologic mapping, surface rock chip sampling, the drilling of three core holes, preparation of the core for assaying, and submitting the samples to ALS Global in Reno, NV. All samples were collected and prepared for analysis by Frank Bain and Chris Bain, the coauthor’s son. No preexisting property data was available for inclusion in this report. All data used in this report was generated by Frank Bain and Chris Bain and provided the foundation for this NI 43-101 report that describes the first phase exploration results for the Blue Clay Project. The data is accurate and adequate for the purpose of writing this report.

Quality control for assaying the samples was provided by ALS Global and consisted of using known standards and duplicate samples that were inserted at random into the sample mix to confirm the accuracy of assay values. All standard and duplicate check assays were consistent and confirm the accuracy of ALS’s reported assay results.

13.0 MINERAL PROCESSING AND METALLURGICAL TESTING

This section is beyond the scope of this report.

14.0 MINERAL RESOURCE ESTIMATE

No resource estimate has been completed by the authors or Sienna Resources Inc. This report provides the geologic model, data, and recommendation for future drilling to determine the property’s mineral potential and if warranted, so that a resource can be estimated.

15.0 MINERAL RESERVE ESTIMATE

This section is beyond the scope of this report.

16.0 MINING METHOD

This section is beyond the scope of this report.

17.0 RECOVERY METHOD

This section is beyond the scope of this report.

18.0 PROJECT INFRASTRUCTURE

Current infrastructure for the Blue Clay Lithium/Gold Project consists of county-maintained gravel roads from Silver Peak and two-track roads to access drill hole locations. No other infrastructure is required or planned for this stage in the project.

The closest metropolitan areas for exploration and mining support are Reno and Las Vegas, NV. Reno is a central hub of mining activity in the western United States and provides assaying, metallurgy services, drilling contractors, skilled labor, exploration and mining supplies, and legal counsel specializing in mining law.

The United States Bureau of Land Management Field Office handling permitting for this project is located in Tonopah, NV. The BLM district office is located in Battle Mountain, NV. The BLM state office is located in Reno, NV.

19.0 MARKET STUDIES

The lithium exploration industry is booming due to huge increases in the price of lithium. The future demand for lithium is expected to outpace supplies for the foreseeable future. The current and increased future demands for lithium stem largely from the transition to electric vehicles and grid scale battery storage facilities to store and regulate the supply of electricity from renewable resources.

Similarly, the price of gold is expected to be robust as demand increases for electronics manufacturing. Neither the QPs and coauthors of this report or the claim owner have completed any economic studies on the Blue Clay property or market studies on lithium or gold.

20.0 ENVIRONMENTAL STUDIES, PERMITS, AND SOCIAL OR COMMUNITY IMPACTS

Sienna Resources Inc. has not undertaken any environmental studies that would relate to future exploration activities on the Blue Clay property.

Mr. Frank Bain has applied for and received from the Bureau of Land Management a Notice-of-Intent that allows for five acres of disturbance for exploration drilling. Sienna Resources Inc. has not initiated the process of applying for a Plan of Operation. The project is currently in full compliance with all state and federal regulations and all Bureau of Land Management requirements related to exploration on the property.

Sienna Resources Inc. does not need to carry out any environmental, social, or community impact studies to proceed with exploration of the property at this time. Should the project proceed to the Plan of Operations stage, an Environmental Assessment (EA) will need to be prepared.

21.0 EXPLORATION COSTS

Currently a total of USD $302,383 has been spent on acquisition and Phase I drilling of the Blue Clay Claims.

The project has a reclamation bond held by the Nevada State Office of the BLM in Reno in the amount of USD $6,157.

22.0 ECONOMIC ANALYSIS

This section is not applicable.

23.0 ADJACENT PROPERTIES

The Blue Clay Lithium/Gold Prospect Blue Clay lode claims are adjacent to the Green Clay lode claims held by Spearmint Resources Inc. to the west. Scotch Creek Ventures has claims adjoining the Green Clay Claims and are located further west. Authium Resources and Ameriwest Lithium Inc. have conflicting lode and placer claims adjoining the Blue Clay Claims to the North. The claim conflict between Authium and Ameriwest is being decided in the Esmeralda County Superior Court. The Silver Peak South Claims owned by Chancellor Exploration adjoin the Blue Clay Claims to the south. The Silver Peak South Claims may be available for acquisition. The surrounding claims have not been drill tested.

24.0 OTHER RELEVANT INFORMATION

All known and relevant data pertinent to the Blue Clay Project have been included in this report.

25.0 INTERPRETATION AND CONCLUSION

The Blue Clay Lithium/Gold Prospect is a greenfield exploration project with no known previous exploration history. The property is located within the Clayton Valley in Esmeralda County, Nevada, home to the only producing lithium mine in the United States.

The information within this report confirms the presence of lithium mineralization and the need for further exploration drilling on the project.

The Albemarle Corporation or its predecessors have mined lithium from brines in the Clayton Valley since the 1960s. More recently, Cypress Development Corp., Spearmint Resources Inc., and Noram Lithium Corp have explored claystones of the Late Miocene to Early Pliocene age Esmeralda Formation, which crop out several miles to the north of the Blue Clay property, and have announced cumulative

discoveries totaling more than 10 million tons of Lithium Carbonate Equivalent (LCE) to date. The reader is cautioned that announced discoveries on nearby properties do not imply the existence of any mineralization or resource on the Blue Clay Lithium/Gold property. On March 30, 2022, Cypress Development Corp. announced favorable results from its Lithium Extraction Pilot Plant. The pilot plant confirmed that high recovery rates of battery grade LCE are feasible for the clays in the Clayton Valley (https://cypressdevelopmentcorp.com/news/2022-news/cypress-development-announces-results-from-its-lithium-extraction-pilot-plant-in-nevada/).

Clays containing significant lithium values have been discovered within the boundaries of the prospect, specifically in the Blue Clay – 1 core hole. The property is also prospective for gold in hydrothermally altered Paleozoic age shales and siltstones located on the eastern side of the property along the Clayton Ridge Basin and Range normal fault and between the gold and silver camps of Silver Peak and Goldfield, Nevada. Assays of surface grab samples from these outcrops show significant Barium and Arsenic values with gold values up to 115 ppb located along the 1.5-mile-long outcrop.

The Blue Clay lode claims were staked in two phases, the first in January of 2021 and the second in February of 2022. The claims are 100% owned by Sienna Resources Inc.

26.0 RECOMMENDATIONS

The following recommendations are made for future exploration work:

1. HSAMT Geophysical Survey – 3 east west lines on the alluvial sediments to determine depth to bedrock.
2. Fluid Inclusion study of quartz veins found in the gold prospect to determine depositional temperature of exposed rocks and depth to possible gold mineralization.
3. Geologic mapping of exposed hydrothermally altered sedimentary rocks.
4. Geophysics to locate sulfides at depth in the hydrothermally altered sediments.
5. Drill 500- to 800-foot-deep core holes as shown on the project map and as yet to be determined locations based on the HSAMT Geophysical Survey for lithium in clay mineralization.
6. Drill a 1500-foot-deep core hole to test for gold mineralization in a yet to be determined location. Work with Nevada gold exploration experts to help evaluate the geology of the prospect.
7. Drill all exploration holes to a minimum of 500 feet.

An estimated USD $1,200,000 would be required to complete exploration drilling on the property with the costs as follows:

Drilling, Mobilization, and Site Preparation – Ten, 500- to 1500-foot-deep core holes = $650,000

Geology, Map Preparation, Permitting, Sample Splitting, and Fluid Inclusion Study – $200,000

Assay for Lithium, Gold, and Associated Trace Elements – $100,000

HSAMT Geophysical Survey – Determine thickness of alluvial sediments covering bedrock = $50,000

20% Contingency – $200,000

These costs are summarized in Table 3.

Table 3: Phase II Cost Estimation

Phase II Cost Estimation	
Drilling, Mobilization, and Site Preparation	650,000.00
Geology, Map Preparation, Permitting, Sample Splitting, and Fluid Inclusion Study	200,000.00
Assay for Lithium, Gold, and Associated Trace Elements	100,000.00
HSAMT Geophysical Survey	50,000.00
20% Contingency	200,000.00
TOTAL	**$1,200,000.00**

27.0 REFERENCES

Bradley, D., Munk, L., Jochens, H., Hynek, S., Labay, K. (2013). A Preliminary Deposit Model for Lithium Brines. U.S. Geological Survey Open-File Report 2013-1006. Retrieved May 10, 2022, from https://pubs.usgs.gov/of/2013/1006/OF13-1006.pdf

Davis, J.R., Friedman, I., & Gleason, J.D. (1986). Origin of the Lithium-Rich Brine, Clayton Valley, Nevada. U.S. Geological Survey Bulletin 1622. Retrieved May 10, 2022, from https://data.nbmg.unr.edu/public/Geothermal/GreyLiterature/Davis_ClaytonVlly_LiBrine_1986.pdf

Fayram, T.S., Lane, T.A., Brown, J.J. (2021). Prefeasibility Study, Clayton Valley Lithium Project, Esmeralda County, Nevada. NI 43-101 Standards of Disclosure for Mineral Projects Technical Report. Cypress Development Corporation. Retrieved May 10, 2022, from https://cypressdevelopmentcorp.com/site/assets/files/3532/cyp_pfs_amended_march_15th-2021.pdf

Foy, T.A. (2011). Quaternary Faulting in Clayton Valley, Nevada: Implications for Distributed Deformation in the Eastern California Shear Zone – Walker Lane. Thesis. Georgia Institute of Technology.

Loveday, D. & Turner, W.A. (2021). Clayton Valley Lithium Clay Project, Esmeralda County, Nevada, USA. NI 43-101 Standards of Disclosure for Mineral Projects Technical Report. Spearmint Resources Inc. Retrieved May 10, 2022, from https://www.spearmintresources.ca/wp-content/uploads/2021/11/CVLC-Project-NI-43-101-TR_June_10_2021_Final.pdf

Marvin, R. (2017 – 2022). Personal Communication. Cypress Development Corporation Project Geologist.

Pantea, M.P., Asher-Boliner, S. (1982). Lithologic Log and Lithium Content of Sediments Drilled in Clayton Valley, Esmeralda County, Nevada. U.S. Geological Survey Open-File Report 82-415. DOI: 10.3133/ofr82415. Retrieved from https://pubs.usgs.gov/of/1982/0415/report.pdf

Peek, B.C. (2021). Updated Lithium Mineral Resource Estimate Zeus Project, Clayton Valley, Esmeralda County, Nevada, USA. NI 43-101 Standards of Disclosure for Mineral Projects Technical Report. Noram Lithium Corporation. Retrieved May 10, 2022, from https://noramlithiumcorp.com/site/assets/files/3886/2021-09-21-ni-43-101-report.pdf

Vine, J.D. & Dooley, Jr., J.R. (1980). Where on Earth is all the Lithium? U.S. Geological Survey Open-File Report 80-1234. Retrieved May 10, 2022, from https://pubs.usgs.gov/of/1980/1234/report.pdf

CERTIFICATE

I, John E. Hiner, Licensed Geologist in the state of Washington, of 9443 Axlund Road, Lynden, Washington, 98264 do hereby certify that:

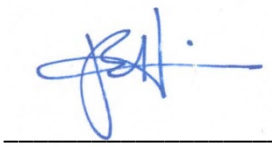
1. I am a Licensed Geologist #1804 in the State of Washington, a member of the National Board of State Boards of Geology (ASBOG).
2. I am a Registered Member of the Society of Mining, Metallurgy, and Exploration (SME member #1448400RM).
3. I graduated with a B.Sc. degree in geology from San Diego State University, San Diego, California in 1972.
4. I obtained a M.Sc. degree in economic geology from the Mackay School of Mines, University of Nevada-Reno, Reno, Nevada in 1978.
5. As a result of my experience and qualifications I am a Qualified Person as defined in National Policy 43-101.
6. I have practiced my profession continuously for 45 years. This experience includes 4 years of petroleum exploration experience in the United States and the United Kingdom, 4 years of geothermal exploration experience in the United States and Mexico, and 37 years of mineral exploration experience worldwide. This experience has included all aspects of the resource industry from field exploration and project generation through management of project exploration and development to senior exploration management responsibility. I have been responsible for international and domestic project development, examination, evaluation, and reporting on a variety of mineral deposit types and commodities including gold, copper, lead-zinc-silver, and phosphate.
7. I am the co-author and am responsible for the preparation and contents, except as conditioned in Section 3.0 of the technical report titled “Blue Clay Lithium/Gold Prospect National Instrument 43-101 Report” and dated September 19, 2022. I did not visit the property but have worked in the area and am familiar with the geology and mineral deposits.
8. I am an independent as defined by section 1.5 of National Instrument 43-101. I have no direct or indirect interest in the subject property described in this report.
9. As of the date of this certificate, to the best of my knowledge, information, and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.
10. I have read National Instrument 43-101 and Form 43-101F, and the Technical Report has been prepared in compliance with that instrument and form.
11. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their website accessible by the public, of the Technical Report.

Dated at Lynden, Washington, this 19th day of September, 2022.

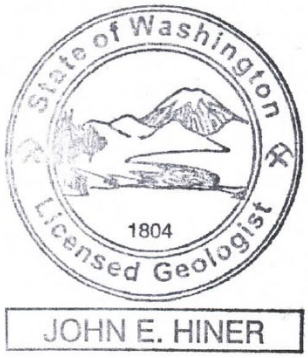
Respectfully submitted,

DATE AND SIGNATURE OF QUALIFIED PERSON

This report titled, "The Blue Clay Lithium/Gold Prospect National Instrument 43-101 Technical Report" dated September 19, 2022, was prepared and signed by:



John Hiner – Washington State Licensed Professional Geologist and SME Registered Member 1448400



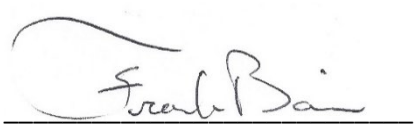
CERTIFICATE

I, Frank Bain, do hereby certify that:

1. I reside at 2425 Chof Trail, Flagstaff, AZ 86005.
2. I have explored the Blue Clay Prospect since 2021 and have based this report on prior experience working in the Clayton Valley and a review of all available data concerning this property as obtained from published literature, web sites, and personal communications with experts in Clayton Valley lithium exploration.
3. This certificate accompanies the report titled, "Blue Clay Lithium/Gold Prospect, National Instrument 43-101 Technical Report" dated September 19, 2022.
4. I am a graduate of Northern Arizona University with a Bachelor's Degree in Geology and 2 years of post-graduate study in Geology. I have practiced my profession continuously since 1976.
5. I am a Certified Professional Geologist in good standing in the State of Wyoming (Registration # PG WY-3249).
6. I am a "Qualified Person" for the purpose of NI 43-101. My relevant experience includes 45 years of experience in mineral exploration and mine geology for numerous commodities and hundreds of projects.
7. I am responsible for all sections of this technical report.
8. I am independent of the issuer as described in Section 1.5 of NI 43-101.
9. My involvement with the property at present is to serve as a technical advisor for Sienna Resources Corp. and to manage future exploration efforts.
10. I have read the NI 43-101, Form 43-101F1 and have prepared this technical report as the author in compliance with NI 43-101, Form 43-101F1 and generally accepted Canadian mining industry practice.
11. As of the date of this report and to the best of my knowledge, information and belief, this technical report contains all scientific and technical information that is required to be disclosed to make the report accurate and true.

DATE AND SIGNATURE OF QUALIFIED PERSON

This Report titled, "Blue Clay Lithium/Gold Prospect, National Instrument 43-101 Technical Report" dated September 19, 2022, was prepared and signed by:



Frank Bain – Professional Geologist
WY PG 3249

APPENDIX A

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Nevada State Office
1340 Financial Boulevard
Reno, Nevada 89502-7147
https://www.blm.gov/nevada

In Reply Refer To:
3809 (NV921r)

JAN 18 2022

DECISION

Obligor:	:		
Sienna Resources (US) Corp.	:	BLM Bond Number:	NVB002646
2905 – 700 West Georgia St	:	Bond Amount:	$6,157
Vancouver, B.C. V7Y 1C6	:		

Personal Bond Accepted

On January 14, 2022, the BLM Nevada State Office (NSO) received certified funds in the amount of $6,157. On January 18, 2022, the NSO received a personal bond form with Sienna Resources (US) Corp., as principal, in the amount of $6,157. The bond was submitted to provide surface reclamation coverage for operations conducted by the principal on NVN100857, the Blue Clay Exploration Project. The bond has been examined, found satisfactory, and is accepted effective January 18, 2022.

The bond, which has been assigned BLM bond number NVB002646, will be maintained by the NSO. Termination of liability under the bond will be permitted only after the NSO is satisfied that there is no outstanding liability or until satisfactory replacement bond coverage is furnished. The funds will be retained in a suspense account until all terms and conditions of the operation have been fulfilled or until a satisfactory replacement bond has been accepted. When the deposit is no longer needed to secure the bond, this office will authorize a refund of the cash deposit.

On November 15, 2021, the BLM Tonopah Field Office determined the reclamation cost estimate on NVN100857 to be $6,157. Effective the date of this Decision, NVN100857 is satisfactorily bonded under NVB002646 in the amount of $6,157.

If you have any questions, please call Kelly Rodriguez at 775-861-6632, or send electronic mail to kbrodriguez@blm.gov.

Kelly Rodriguez
Acting Supervisory Land Law Examiner
Branch of Mineral Resources (Solids)

cc: NVB0200 (JBlustain)

APPENDIX B

ALS USA Inc.
4977 Energy Way
Reno NV 89502
Phone: +1 775 356 5395 Fax: +1 775 355 0179
www.alsglobal.com/geochemistry

To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
This copy reported on
15-MAR-2022
Account: SANSOR

CERTIFICATE RE22037778

Project: Blue Clay

This report is for 10 samples of Rock submitted to our lab in Reno, NV, USA on 15-FEB-2022.

The following have access to data associated with this certificate:

FRANK BAIN		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SND-ALS	Send samples to internal laboratory
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
CRU-21	Crush entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim 'or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Hanachi Bouhenchir, Lab Manager

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BC-1		1.12	<0.2	0.61	475	30	90	1.0	<2	0.55	0.5	21	14	30	15.55	<10
BC-2		1.43	<0.2	0.86	573	20	150	2.1	<2	0.63	<0.5	15	14	24	9.29	<10
BC-3		1.34	<0.2	0.81	113	20	180	1.4	<2	0.64	<0.5	19	13	30	9.42	<10
BC-4		1.49	<0.2	0.88	132	20	190	1.6	<2	0.48	<0.5	11	13	20	11.75	<10
BC-5		0.98	<0.2	0.84	308	20	150	1.4	<2	0.28	<0.5	24	15	19	10.55	<10
BC-6		1.90	<0.2	0.85	990	30	1210	1.2	<2	0.29	<0.5	9	21	22	19.55	<10
BC-7		1.25	<0.2	0.67	119	10	80	0.9	<2	0.51	<0.5	15	11	22	4.52	<10
BC-8		2.26	<0.2	0.93	139	20	80	1.2	<2	0.89	0.7	15	16	24	9.33	<10
BC-9		1.69	<0.2	0.75	93	10	110	1.0	<2	0.30	0.7	21	16	20	5.10	<10
BC-10		1.43	<0.2	1.01	184	10	110	1.5	<2	0.29	<0.5	16	16	13	4.82	<10

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	1	0.01	10	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
BC-1		<1	0.32	20	10	0.06	332	1	0.02	22	580	13	0.03	21	4	86
BC-2		<1	0.41	30	20	0.12	655	6	0.01	30	560	18	0.02	54	3	63
BC-3		<1	0.33	30	20	0.09	1190	1	0.01	31	710	9	0.02	12	3	70
BC-4		1	0.41	30	20	0.11	221	2	0.01	23	370	6	0.02	14	3	66
BC-5		<1	0.38	30	10	0.07	880	1	0.01	45	550	8	0.01	23	2	45
BC-6		<1	0.37	20	10	0.07	166	4	<0.01	26	630	8	0.14	40	3	162
BC-7		<1	0.32	30	10	0.09	311	1	<0.01	24	660	11	<0.01	7	2	41
BC-8		1	0.30	30	30	0.09	383	1	0.01	35	900	22	0.02	27	3	66
BC-9		<1	0.35	40	10	0.08	877	1	<0.01	32	340	32	<0.01	8	3	46
BC-10		<1	0.43	50	10	0.10	344	2	<0.01	29	610	31	<0.01	18	3	36

***** See Appendix Page for comments regarding this certificate *****

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Phone: +1 775 356 5395 Fax: +1 775 355 0179
www.alsglobal.com/geochemistry

To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method Analyte Units LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Au-ICP21 Au ppm 0.001	Au-ICP21 Au Calc ppb 1
BC-1		<20	0.01	<10	<10	14	60	231	0.001	1
BC-2		<20	0.01	<10	<10	18	30	152	0.002	2
BC-3		<20	0.01	<10	<10	14	10	163	0.001	1
BC-4		<20	0.01	<10	<10	19	10	89	0.002	2
BC-5		<20	0.01	<10	<10	16	10	120	0.004	4
BC-6		<20	0.01	<10	<10	42	10	88	<0.001	<1
BC-7		<20	<0.01	<10	<10	11	<10	86	0.002	2
BC-8		<20	0.01	<10	<10	20	20	294	0.002	2
BC-9		<20	<0.01	<10	<10	14	10	309	<0.001	<1
BC-10		<20	0.01	<10	<10	12	10	156	0.001	1

***** See Appendix Page for comments regarding this certificate *****

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22037778

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

Au-ICP21	CRU-21	CRU-31	CRU-QC
LOG-22	PUL-31	SND-ALS	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

ME-ICP41

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 16-MAR-2022
This copy reported on
22-MAR-2022
Account: SANSOR

CERTIFICATE RE22054854

Project: Blue Clay

P.O. No.: Jim Nelson a 1-604-899-9150

This report is for 52 samples of Rock submitted to our lab in Reno, NV, USA on 3-MAR-2022.

The following have access to data associated with this certificate:

FRANK BAIN	SIENNA RESOURCES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SND-ALS	Send samples to internal laboratory
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
CRU-21	Crush entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim 'or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations

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www.alsglobal.com/geochemistry

To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 16-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22054854

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Li ppm 10
BC-1 115-120		3.52	1000
BC-1 120-125		2.59	960
BC-1 125-130		2.84	990
BC-1 130-135		3.35	990
BC-1 135-140		2.67	860
BC-1 140-145		2.43	1030
BC-1 145-150		2.65	1030
BC-1 150-155		2.52	1230
BC-1 155-160		3.09	900
BC-1 160-165		2.73	750
BC-1 165-170		3.28	750
BC-1 170-175		2.91	780
BC-1 175-180		3.06	700
BC-1 180-185		3.16	770
BC-1 185-190		2.63	500
BC-1 190-195		3.11	420
BC-1 195-200		3.08	520
BC-1 200-205		2.88	630
BC-1 205-210		3.05	510
BC-1 210-215		3.41	820
BC-1 215-220		3.02	630
BC-1 220-225		2.65	830
BC-1 225-230		2.89	660
BC-1 230-235		2.83	480
BC-1 235-240		2.50	180
BC-1 240-245		3.33	240
BC-1 245-250		2.94	120
BC-1 250-255		3.18	240
BC-1 255-260		2.12	230
BC-1 260-265		2.37	60
BC-1 265-270		2.90	180
BC-1 270-275		2.52	200
BC-1 275-280		3.16	110
BC-1 280-285		2.80	60
BC-1 285-290		3.26	70
BC-1 290-295		2.84	40
BC-1 295-300		2.74	40
BC-1 300-305		2.71	40
BC-1 305-310		2.58	40
BC-1 310-315		2.68	40

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 16-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22054854

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Li ppm 10
BC-1 315-320		2.91	40
BC-1 320-325		2.89	40
BC-1 325-330		2.77	40
BC-1 330-335		2.69	60
BC-1 335-340		2.98	120
BC-1 340-345		3.78	110
BC-1 345-348		1.81	120
BC-1 376-380		2.19	270
BC-1 380-385		3.60	320
BC-1 385-390		2.97	420
BC-1 390-395		3.61	50
BC-1 395-400		2.94	40

***** See Appendix Page for comments regarding this certificate *****

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 16-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22054854

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

CRU-21	CRU-31	CRU-QC	LOG-22
PUL-31	PUL-QC	SND-ALS	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

ME-ICP41

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 19-MAR-2022
This copy reported on
22-MAR-2022
Account: SANSOR

CERTIFICATE RE22056896

Project: Blue Clay

P.O. No.: Jim Neelson at 1-604-899-9150

This report is for 46 samples of Rock submitted to our lab in Reno, NV, USA on 3-MAR-2022.

The following have access to data associated with this certificate:

FRANK BAIN	SIENNA RESOURCES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SND-ALS	Send samples to internal laboratory
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
CRU-21	Crush entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim 'or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Hanachi Bouhenchir, Lab Manager

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 19-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22056896

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 As ppm 2	ME-ICP41 Ba ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 Li ppm 10	ME-ICP41 Sb ppm 2
BC-1 400-402		1.14	<0.001	<0.2	73	150	<1	80	2
BC-1 402-404		1.67	<0.001	<0.2	279	80	<1	20	7
BC-1 404-406		1.75	<0.001	<0.2	101	80	<1	10	4
BC-1 406-408		1.68	<0.001	<0.2	113	60	1	10	6
BC-1 408-410		1.75	<0.001	<0.2	143	50	1	20	5
BC-1 410-412		1.96	<0.001	<0.2	169	40	<1	20	6
BC-1 412-414		1.74	<0.001	<0.2	288	50	<1	30	9
BC-1 414-416		1.38	<0.001	<0.2	131	30	<1	30	3
BC-1 416-418		2.08	<0.001	<0.2	68	30	<1	10	4
BC-1 418-420		1.61	<0.001	<0.2	118	20	1	10	9
BC-1 420-422		1.74	<0.001	<0.2	75	20	<1	10	4
BC-1 422-424		1.44	<0.001	<0.2	107	10	1	10	7
BC-1 424-426		1.80	<0.001	<0.2	80	50	<1	20	2
BC-1 426-428		1.56	<0.001	<0.2	82	50	1	20	2
BC 11		1.51	0.001	<0.2	139	90	1	10	8
BC 12		1.38	<0.001	<0.2	305	110	2	10	5
BC 13		1.21	<0.001	<0.2	122	230	1	10	9
BC 14		1.35	0.001	<0.2	230	260	1	10	9
BC 15		1.52	<0.001	<0.2	268	200	9	10	7
BC 16		1.29	<0.001	<0.2	55	80	1	20	3
BC 17		1.26	<0.001	<0.2	51	130	1	10	5
BC 18		1.82	0.004	<0.2	92	110	2	10	4
BC 19		1.18	<0.001	<0.2	158	100	1	10	35
BC 20		1.23	<0.001	0.2	45	90	2	10	8
BC 21		1.57	0.115	0.3	1605	40	1	10	2
BC 22		1.35	0.028	0.2	442	70	3	<10	<2
BC 23		1.54	0.004	<0.2	175	70	1	10	9
BC 24		1.61	0.004	<0.2	48	50	<1	10	2
BC 25		1.27	0.006	0.4	52	130	1	10	4
BC 26		1.47	0.001	<0.2	26	90	1	10	2
BC 27		1.74	<0.001	<0.2	52	140	<1	10	7
BC 28		2.34	<0.001	<0.2	788	110	1	20	72
BC 29		1.35	<0.001	<0.2	821	80	2	10	82
BC 30		2.28	0.001	<0.2	816	950	2	10	61
BC 31		1.68	<0.001	<0.2	49	90	1	10	5
BC 32		1.56	<0.001	<0.2	16	50	1	10	2
BC 33		2.36	0.004	<0.2	37	50	1	10	2
BC 34		1.81	<0.001	<0.2	32	90	1	10	5
BC 35		1.51	<0.001	<0.2	74	360	1	10	7
BC 36		1.62	0.004	0.3	20	180	1	30	2

***** See Appendix Page for comments regarding this certificate *****

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 19-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22056896

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 As ppm 2	ME-ICP41 Ba ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 Li ppm 10	ME-ICP41 Sb ppm 2
BC 37		2.58	0.007	<0.2	401	120	3	10	12
BC 38		2.34	<0.001	<0.2	482	100	1	10	9
BC 39		1.52	<0.001	<0.2	40	80	1	10	12
BC 40		1.07	0.001	<0.2	80	100	5	10	15
BC 41		1.75	<0.001	<0.2	43	200	<1	10	2
BC 42		0.91	<0.001	<0.2	50	490	1	30	2

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P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 19-MAR-2022
Account: SANSOR

Project: Blue Clay

CERTIFICATE OF ANALYSIS RE22056896

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

Au-ICP21	CRU-21	CRU-31	CRU-QC
LOG-22	PUL-31	PUL-QC	SND-ALS
SPL-21	WEI-21		

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME-ICP41

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
This copy reported on
15-MAR-2022
Account: SANSOR

QC CERTIFICATE RE22037778

Project: Blue Clay

This report is for 10 samples of Rock submitted to our lab in Reno, NV, USA on 15-FEB-2022.

The following have access to data associated with this certificate:

FRANK BAIN		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SND-ALS	Send samples to internal laboratory
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
CRU-21	Crush entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim 'or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Hanachi Bouhenchir, Lab Manager

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

QC CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1
STANDARDS																
CDN-CM-34		4.0	2.60	109	<10	70	<0.5	3	1.45	1.1	43	191	5980	4.54	10	<1
Target Range - Lower Bound		3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10	<1
Upper Bound		4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80	30	2
G313-5																
Target Range - Lower Bound																
Upper Bound																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		4.9	2.87	35	<10	480	0.9	<2	1.24	2.4	20	100	671	3.87	10	<1
Target Range - Lower Bound		3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10	<1
Upper Bound		5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30	2
OREAS-261																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1
Target Range - Lower Bound		<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1
Upper Bound		0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20	2

***** See Appendix Page for comments regarding this certificate *****

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

QC CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.01	10	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
STANDARDS																
CDN-CM-34		1.26	10	10	2.69	327	280	0.10	235	1200	24	3.12	4	10	102	<20
Target Range - Lower Bound		1.06	<10	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		1.32	30	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
G313-5																
Target Range - Lower Bound																
Upper Bound																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		1.37	40	40	1.26	451	14	0.37	754	1060	1150	0.32	3	8	88	20
Target Range - Lower Bound		1.12	20	<10	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		1.40	60	50	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
OREAS-261																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<0.01	<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		0.02	20	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40

***** See Appendix Page for comments regarding this certificate *****

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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

QC CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21	Au-ICP21
	Analyte	Ti	Tl	U	V	W	Zn	Au	Au Calc
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb
	LOD	0.01	10	10	1	10	2	0.001	1
STANDARDS									
CDN-CM-34		0.19	<10	<10	110	10	190		
Target Range - Lower Bound		0.15	<10	<10	95	<10	159		
Upper Bound		0.21	20	20	118	30	199		
G313-5								7.30	7300
Target Range - Lower Bound								6.64	6640
Upper Bound								7.50	7500
KIP-19								2.44	2440
Target Range - Lower Bound								2.28	2280
Upper Bound								2.58	2580
MRGeo08		0.41	<10	<10	107	<10	851		
Target Range - Lower Bound		0.33	<10	<10	90	<10	708		
Upper Bound		0.43	20	30	112	20	870		
OREAS-261								0.048	48
Target Range - Lower Bound								0.045	45
Upper Bound								0.053	53
PMP-18								0.310	310
Target Range - Lower Bound								0.289	289
Upper Bound								0.327	327
BLANKS									
BLANK								0.001	1
BLANK								<0.001	<1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
BLANK		<0.01	<10	<10	<1	<10	<2		
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2		
Upper Bound		0.02	20	20	2	20	4		

***** See Appendix Page for comments regarding this certificate *****

ALS USA Inc.
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To: SIENNA RESOURCES
P.O. BOX 10112 PACIFIC CENTRE
VANCOUVER BC V7Y 1C6
CANADA

Finalized Date: 2-MAR-2022
Account: SANSOR

Project: Blue Clay

QC CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
BC-10																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		69.3	0.26	155	<10	40	<0.5	26	0.91	44.4	7	13	861	3.85	<10	<1
DUP		70.5	0.27	157	<10	40	<0.5	25	0.92	44.4	6	14	869	3.88	<10	<1
Target Range - Lower Bound		66.2	0.24	146	<10	30	<0.5	22	0.86	41.7	5	12	834	3.66	<10	<1
Upper Bound		73.6	0.29	166	20	50	1.0	29	0.97	47.1	8	15	896	4.07	20	2

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Sample Description	Method Analyte Units LOD	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Li ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
BC-10																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		0.25	<10	10	0.32	2030	3	<0.01	16	550	677	4.59	423	1	8	<20
DUP		0.26	<10	10	0.32	2030	3	<0.01	16	560	681	4.60	427	1	8	<20
Target Range - Lower Bound		0.23	<10	<10	0.29	1925	2	<0.01	14	520	643	4.36	391	<1	7	<20
Upper Bound		0.28	20	20	0.35	2140	4	0.02	18	590	715	4.83	459	2	9	40

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QC CERTIFICATE OF ANALYSIS RE22037778

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21	Au-ICP21
	Analyte	Ti	Tl	U	V	W	Zn	Au	Au Calc
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb
	LOD	0.01	10	10	1	10	2	0.001	1
DUPLICATES									
ORIGINAL								0.013	
DUP								0.013	13
Target Range - Lower Bound								0.011	11
Upper Bound								0.015	15
ORIGINAL								0.002	
DUP								<0.001	<1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
ORIGINAL								0.001	
DUP								<0.001	<1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
ORIGINAL								<0.001	
DUP								<0.001	<1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
ORIGINAL								<0.001	
DUP								<0.001	<1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
BC-10								0.001	1
DUP								0.001	1
Target Range - Lower Bound								<0.001	<1
Upper Bound								0.002	2
ORIGINAL		0.01	<10	<10	15	<10	9590		
DUP		0.01	<10	<10	16	<10	9810		
Target Range - Lower Bound		<0.01	<10	<10	14	<10	9210		
Upper Bound		0.02	20	20	17	20	>10000		

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Finalized Date: 2-MAR-2022
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QC CERTIFICATE OF ANALYSIS RE22037778

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

Au-ICP21	CRU-21	CRU-31	CRU-QC
LOG-22	PUL-31	SND-ALS	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

ME-ICP41