

BC Geological Survey
Assessment Report
39410



Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: TECHNICAL - PROSPECTING

TOTAL COST: \$ 2,784.20

AUTHOR(S): KEN ELLERBECK

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2021

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): EVENT 5835189

PROPERTY NAME: LD-COMSTOCK

CLAIM NAME(S) (on which the work was done): 1081657 1082159

COMMODITIES SOUGHT: Au Ag Cu Pb Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092ISE022

MINING DIVISION: NICOLA

NTS/BCGS: BCGS 92I007

LATITUDE: 50 ° 2 ' 6.8 " LONGITUDE: 120 ° 48 ' 47.0 " (at centre of work)

OWNER(S):

1) KEN ELLERBECK

2)

MAILING ADDRESS:

255 BATTLE STREET WEST, KAMLOOPS, BC V2C 1G8

OPERATOR(S) [who paid for the work]:

1) KEN ELLERBECK

2)

MAILING ADDRESS:

255 BATTLE STREET WEST, KAMLOOPS, BC V2C 1G8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Andesite Flow, Pyroclastic, Siliceous Volcaniclastic Rock, Lithic Tuff, Porphyritic Andesite Flow, Rhyolite Tuff, Upper Triassic

Nicola, Intermontane Thompson Plateau Quesnel, generally N-S, 30degE dip, 100M x 50M Outcrop area, some quartz veins,

Chalcopyrite, Pyrite, Quartz, Hematite, Specularite, Limonite, Malachite, Chlorite, Sericite, Intense alteration by what

Appears to be late-stage quartz-hematite-limonite veining superimposed on hematite mineralization, rhyolite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 32183, 30403

1735, 6248, 10114, 12799, 12860, 13114, *16058, *17721

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	5		
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	200m x 100m	1081657	\$2,784.20
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			\$2,784.20

KEN ELLERBECK

(Owner & Operator)

TECHNICAL EXPLORATION REPORT

(Event 5835189)
on

PROSPECTING and EXPLORING

Work done on

Tenures 1082159 and 1081657

of the 19 Claim

LD-COMSTOCK CLAIM GROUP

**Kamloops Mining Division
BCGS Maps 92I.007**

**Centre of Work
UTM 10 656603E 5544837N**

AUTHOR KEN ELLERBECK, PMP

REPORT SUBMITTED May 13, 2021

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INTRODUCTION

PURPOSE

In April 2021 a prospecting program was completed on Tenures **1082159** and **1081657** of the 19 Claim LD-COMSTOCK CLAIM GROUP. The purpose of the prospecting program was to locate, if possible, extensions of historic reported geological features (copper and gold bearing structures in particular) as well as to prospect for unidentified outcrops and showings of significance. Information for this report was obtained from sources cited under Selected References and from a property examination made on April 14, 2021.

ACCESS AND LOCATION

Road access to the Property from Kamloops, BC is by Highway 5A south for 90 km. to Merritt, BC and then a 12 km south on Highway 5A to the Comstock Exit. Access to the claims is via Comstock Road and various trails.

A series of overgrown logging roads provides access for prospecting activities. However, deadfall due to Pine Beetle infestation make vehicle access difficult.

The Property is located within the dry belt of British Columbia with rainfall between 25 and 30 cm per year. Temperatures during the summer months could reach a high of 35°C and average 25°C with the winter temperatures reaching a low of -10°C and averaging 8°C. On the LD-COMSTOCK Claim Group moderate snow cover on the ground could be from December to April and would not hamper a year-round exploration program. Elevations range from 900m to 1645 m.

Merritt, BC, and Kamloops, BC both historic mining centers, could be a source of experienced and reliable exploration and mining personnel and a supply for most mining related equipment.

PROPERTY DESCRIPTION

LD-COMSTOCK Claim Group

Tenure Number ID	Claim Name	Tenure Type Description	Issue Date	Good to Date	Area in Hectares	Client Number ID	Owner Name	Percent Ownership
905597	PB1	Mineral	10/6/2011	10/1/2029	83.0148	107608	ELLERBECK, KENNETH CECIL	100
905612	PB2	Mineral	10/6/2011	10/1/2029	20.7547	107608	ELLERBECK, KENNETH CECIL	100
1014834	PB	Mineral	11/27/2012	10/1/2029	186.7831	107608	ELLERBECK, KENNETH CECIL	100
1014837		Mineral	11/27/2012	10/1/2029	20.7529	107608	ELLERBECK, KENNETH CECIL	100
1014839	OMG	Mineral	11/27/2012	10/1/2029	20.7564	107608	ELLERBECK, KENNETH CECIL	100
1019819	LUCKY 7	Mineral	5/27/2013	10/1/2029	20.7531	107608	ELLERBECK, KENNETH CECIL	100
1051454	LD-COMSTOCK	Mineral	4/17/2017	10/1/2029	124.4921	107608	ELLERBECK, KENNETH CECIL	100
1055700	Northno	Mineral	1/1/2014	10/1/2029	41.4854	107608	ELLERBECK, KENNETH CECIL	100
1055701	LD	Mineral	1/1/2014	10/1/2029	62.2337	107608	ELLERBECK, KENNETH CECIL	100
1055702	Northnot	Mineral	1/1/2014	10/1/2029	20.7427	107608	ELLERBECK, KENNETH CECIL	100
1055703	LD	Mineral	1/1/2014	10/1/2029	20.7444	107608	ELLERBECK, KENNETH CECIL	100
1059694	NEWSHOWCOMSTOCK	Mineral	4/1/2018	10/1/2029	41.4978	107608	ELLERBECK, KENNETH CECIL	100
1081123	COMSTOCK ADD N	Mineral	2/11/2021	2/11/2022	83	107608	ELLERBECK, KENNETH CECIL	100
1081124	COMSTOCK ADD S	Mineral	2/11/2021	2/11/2022	394.3441	107608	ELLERBECK, KENNETH CECIL	100
1081654	COMSTOCK PIPE	Mineral	3/14/2021	3/14/2022	331.9611	107608	ELLERBECK, KENNETH CECIL	100
1081656	COMSTOCK FLOW	Mineral	3/14/2021	3/14/2022	415.0609	107608	ELLERBECK, KENNETH CECIL	100
1081657	COMSTOCK ROAD	Mineral	3/14/2021	3/14/2022	394.4015	107608	ELLERBECK, KENNETH CECIL	100
1082122	COQ	Mineral	4/10/2021	4/10/2022	269.6875	107608	ELLERBECK, KENNETH CECIL	100
1082159	COM CU	Mineral	4/14/2021	4/14/2022	20.7552	107608	ELLERBECK, KENNETH CECIL	100

Figure 1 LOCATION MAP



Figure 2 CLAIM LOCATION MAP (Base Map GOOGLE EARTH)

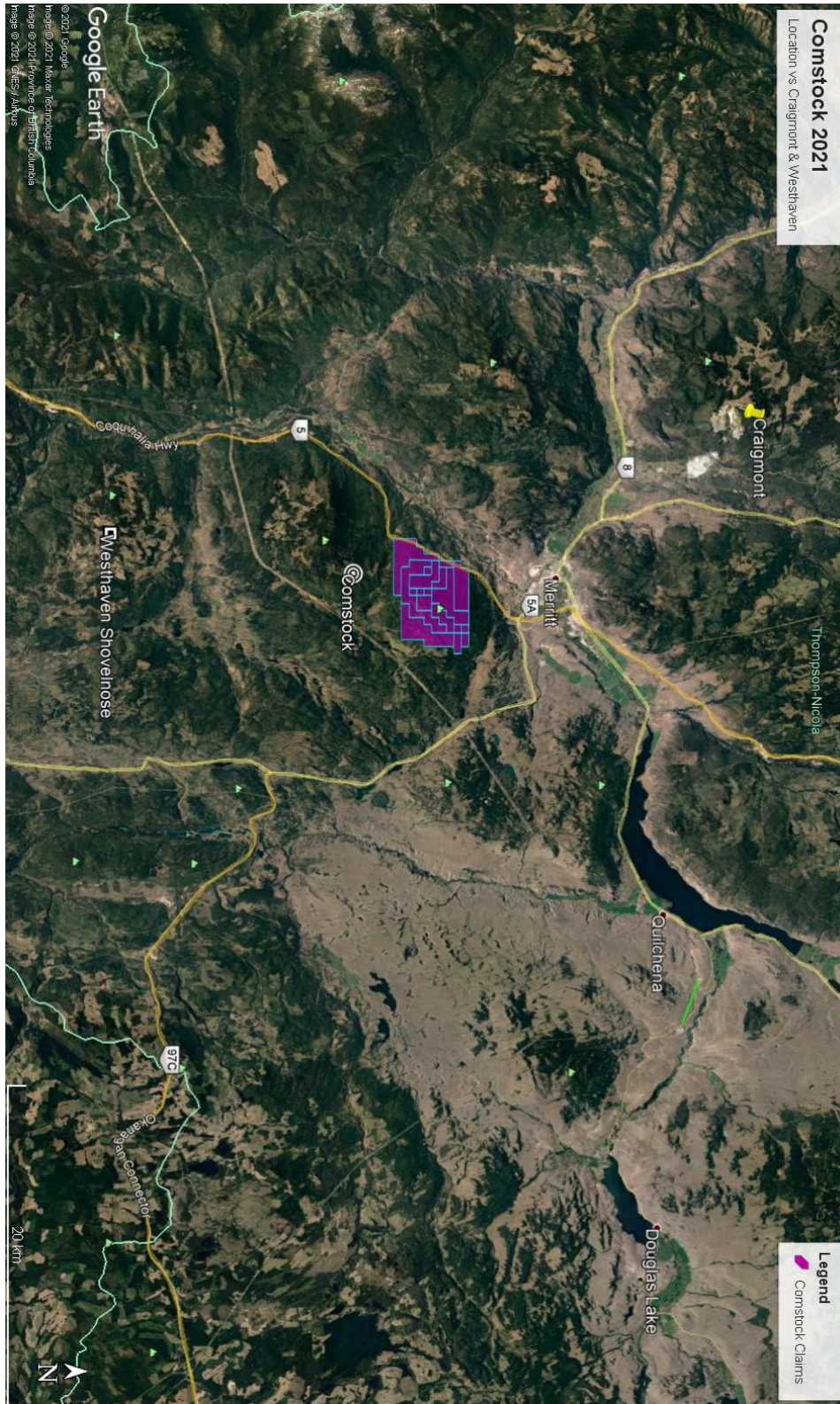
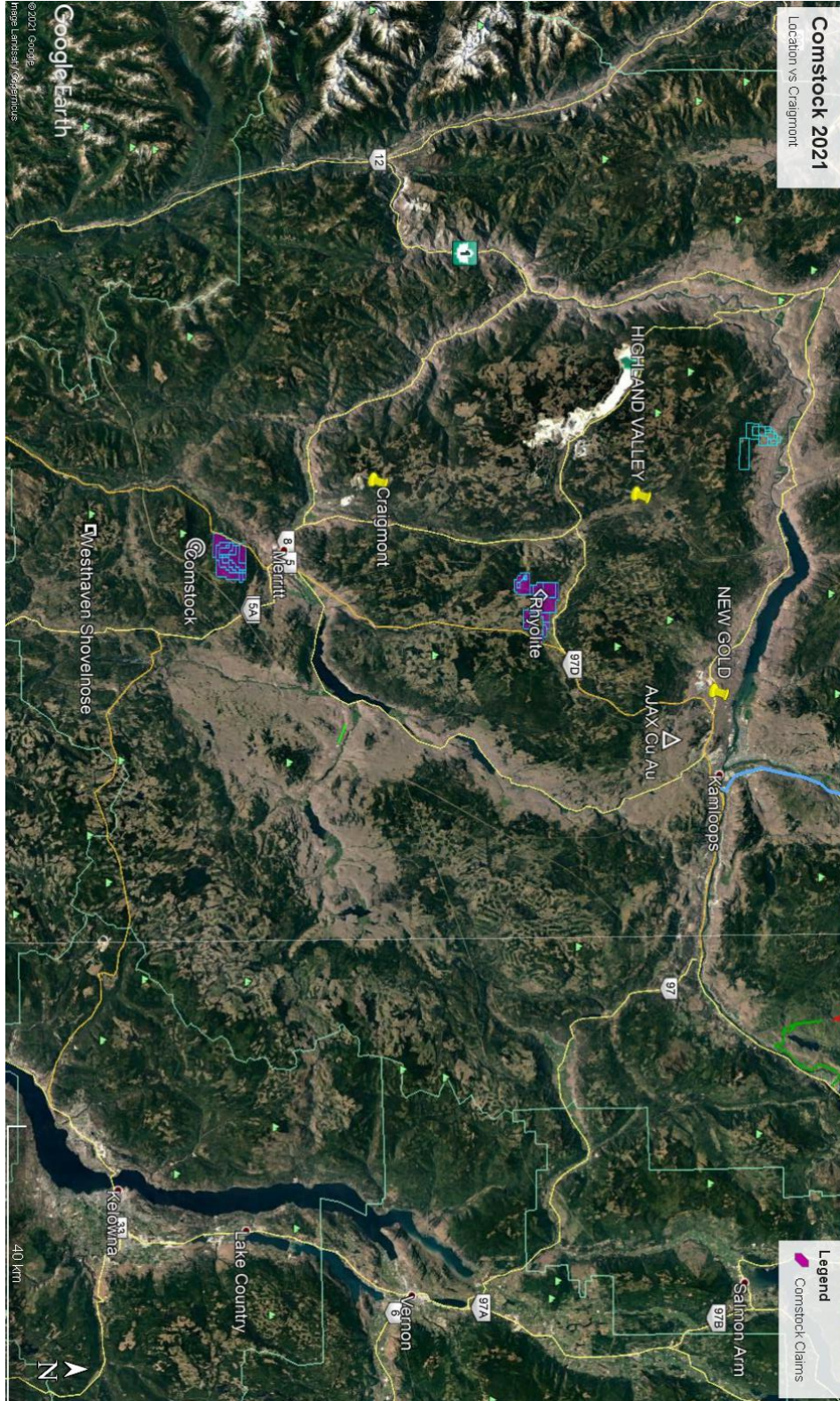


Figure 3 Regional Location Map (Base Map GOOGLE EARTH)



HISTORY

Exploration by others on land in and near the current LD-COMSTOCK Claim Group has been reported. Current tenures include most of the showings and workings reported.

From Structural Analysis Report on the Comstock Claims, Ken Ellerbeck Owner, July 4, 2013, Laurence Sookochoff, P. Eng. The Comstock Claims are included the present-day LD-COMSTOCK Claim Group.

“The Property has a long history of exploration with the discovery, exploration, and limited development on three areas; the Diane Zone, the Charmer Zone, and the Comstock (Leadville) Zone. Only the Diane and the Charmer are described herein as these Zones, separated by a 200 metre barren area, have the same basic mineralogy and are for the most part are proximal to Tenure 1014834, the subject of the Structural Analysis of this report.

Historical exploration on the two zones, which are underlain by volcanics of the Western Facies of the Upper Triassic Nicola Group, resulted in the delineation of variable copper mineralization over an area of a 500 metre square area of the Diane Zone. Trenches within the zone expose a 250 metre northwest striking fault controlled zone of copper mineralization and the only location where within this area that gold values occur as defined by a geochemical survey. A discontinuous zone of auriferous quartz veining occurs within this trend which has resulted in pervasive silicification of the volcanics. A diamond drilled intersection of the fault zone resulted in core assays of 24.70 grams gold /tonne (0.72 oz/ton) over a length of 0.76 metres.

At Shaft 3 southeast of the Diana Zone and midway to the Charm Zone, the volcanics are pervasively silicified with the shaft developed on a series of quartz veins trending at 160 degrees. With vein samples from the shaft returning 0.66% copper and 0.295 ounces gold per ton and from a pit 15 metres southeast of the shaft returning 1.38% copper and 0.295 ounces gold per ton over a one metre width, a gold zone is indicated on a structure that extends from the Diane Zone to the Charm Zone.

The Charm Zone some 750 metres to the southeast from the Diane and equal in mineralized area, is separated by a 200 metre barren section containing lower overall copper values and much less gold values except within Shaft 3 located at the northwestern edge of the Zone. Trenches and two more shafts expose quartz-specularite veins over a discontinuous strike length of 800 metres. Assays of samples from the southeasterly trending zone of quartz veins returned values of 0.64 grams per tonne gold from Shaft 1, 2.35 grams per tonne gold and 1.8 per cent copper from Shaft 2, 10.11 grams per tonne gold from shaft 3.

There are strong indicators for an overlapping gold/silver laden epithermal system to an established copper mineralizing event at the Diane and the Charmer Zones. This appears as the upper winged portion of an epithermal model with the gold bearing quartz zones of the Diane trench area (Figure 14) and Shaft 3 (Figure 7.) being the core, or one of the slayed cores, to the system. To test this supposition, the quartz zone(s) should be tested at depth intervals to determine the mineralogical sequence with increasing depth which could determine the location of the potential “bonanza zone” of the epithermal system (Figures 15 & 16).

The results of the Structural Analysis have shown four locations of intersecting major structures that were determined as prospective areas to explore for surficial geological indicators of a potential sub-surface mineral resource. As the majority of the zones on the Property follow northwest fractures with the width and continuity of the veining appearing strongest where fracturing is the most intense, the intersection locations, which do not correlate with any of the known mineral zones, may result in an intense fracture zone that would accommodate porphyritic type of mineralization in the volcanic.”

And:

From LD PROPERTY Geological Report with Interpretation of IP Geophysical Survey, 92I/02 UTM 619000E; 5559000N (UTM ZONE 10; NAD 83), Prepared for Navigo Ventures Inc., Owner and Operator, Event # 4825543, Locke B. Goldsmith, P.Eng., P.Geo. Consulting Geologist, July 2, 2010, Revised October 6, 2011. The LD Claims are included the present-day LD-COMSTOCK Claim Group.

“Numerous individuals and companies have explored the Iron Mountain area beginning in 1896. Most of the work was focused on the Comstock and Charmer occurrences, located one to three km south of the LD claims. Investigations in the 1980s recognized the style of mineralization to be of volcanic massive sulphide deposition around rhyolite domes in a Kuroko-type setting (Howell,

1981; Crooker, 1987; Christopher, 1989).

Historical exploration work on the LD property has been limited to prospecting and sampling around the original showings, usually as work incidental to other projects. Two of these programs (Boronowski, 1984; Christopher, 1989) included analyses from several rock samples and soil samples, ground magnetics, and very low frequency electromagnetics (VLF EM). In 2007 and 2008 two survey lines of induced polarization and six lines of mobile metal ion soil sampling were completed to the east of the LD mineral occurrence (Mark, 2009); and

“The exploration target for the LD property is a volcanogenic massive sulphide (VMS) base and precious metal deposit. Bedrock mineralization has been found in several locations on the property.

At the LD occurrence moderately coarse crystalline galena partially fills open spaces between fragments of limestone, brecciated limestone, and calcareous siltstone. Rotated blocks of bedded impure barite carry sphalerite, galena, and minor amounts of grey copper (tetrahedrite?). Bedding in the blocks of barite is discontinuous and contorted. Veinlets of barite may contain sulphides.

A related type of mineralization exposed 1 km southwest of the LD property at the Comstock zone is comprised of banded veins and possibly bedded zinc-lead-barite mineralization in a flow-banded, potassium-rich felsic lava (rhyolite). Both types of zinc-lead-barite occurrences formed penecontemporaneously. The Comstock type formed in association with felsic volcanism in rhyolitic domes. The LD style of mineralization is interpreted as transportation into sedimentary basins flanking the domes. Stratigraphically below and adjacent to the LD occurrence an early stage of silica flooding and quartz veining is followed by a later stage of crosscutting quartz +/- carbonate veinlets with associated orange-brown limonite and trace amounts of chalcopyrite and galena. This horizon may represent the stratiform chalcopyrite “yellow ore” and the underlying stringer mineralization of the Kuroko model.

Another type of mineral showing present in the area and on the LD property is structurally controlled auriferous quartz-chalcopyrite-specularite-(gold) veins. These veins trend northerly and northwesterly, oriented in the prevailing directions of faulting. In the Kuroko model, quartz-chalcopyrite veins grade downwards into siliceous chimneys that were sea floor feeder vents, in a similar setting to silicious sinter around present-day hot springs (Urabe and Sato, 1978).

The LD occurrence has been examined in previous exploration programs (Boronowski and Hendrickson, 1984; Christopher, 1989).

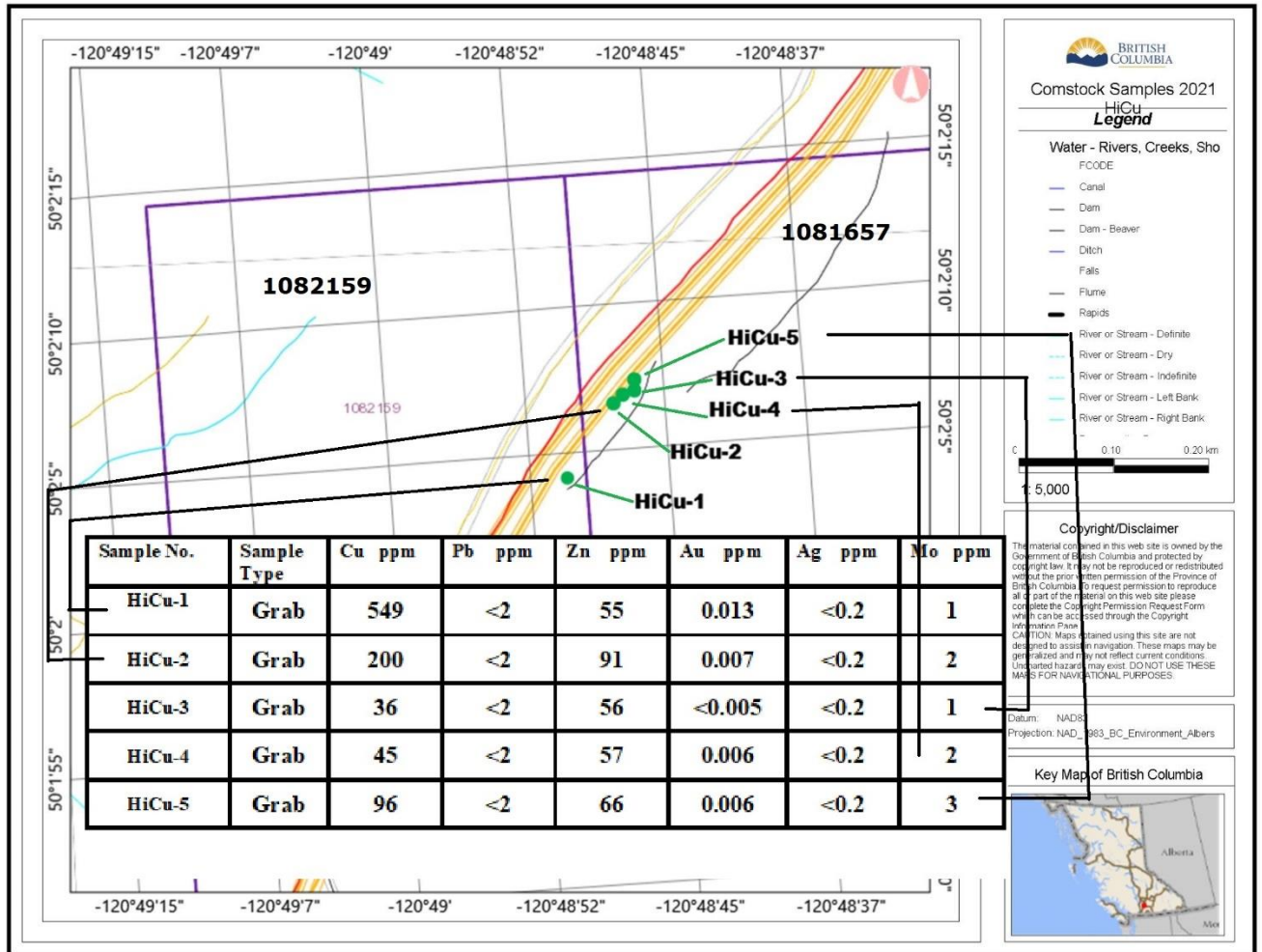
The LD-COMSTOCK Claim Group was acquired by online staking by the Author and Current Owner since 2011. See Page 3 of this report for Tenure list.

SUMMARY OF WORK DONE 2021

The Tenure Numbers in the LD-COMSTOCK Claim Group on which work was performed: Prospecting was conducted on **1082159** and **1081657** on April 14, 2021. (Figure 4 Index - Work Areas).

One (1) field day was spent on the LD-COMSTOCK Claim Group project, including prospecting and travelling to and from the property. One (1) day was spent researching reference material, and a further two (2) days were spent compiling data, drafting and writing this report.

Figure 5 Sample Location Area Map



2021 WORK PROGRAM

Sampling Program - The author was on the LD-COMSTOCK Claim Group on April 14, 2021 to select rock samples for verification of the reported mineralization and geology on the Property. Five (5) grab samples were taken from 2 different sites within approximately 150 m. x 50 m altered andesite zone. Five (5) grab samples were submitted for assay.

Table I. Particulars of Grab Samples taken by ELLERBECK (2021) LD-COMSTOCK

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION
			All OUTCROP unless indicated
HiCu-1	656542	5544754	Contact -unaltered grayish porphyritic andesite with bleached highly altered andesite. Visible metal-malachite stain-iron stain. Chlorite amygdules-visible sulphide-quartz veinlets, quartz eyes. Fragments of unaltered andesite-breccia. E-W, 10°S dip. Similar to Original area rocks. +/- 3m wide alteration zone
HiCu-2	656603	5544837	Highly altered porphyritic greenish andesite, iron staining. Visible metal. Qtz veinlets Hard-brittle. E-W strike 10°S dip
HiCu-3	656602	5544843	Very Hard-black-green andesite. Contact-crumbly altered andesite? Qtz veinlets,qtz flooding, Iron staining,Visible metal. Vugs-iron. Altered-bleached. Iron stain in qtz flooding. E-W strike 10°S dip
HiCu-4	656602	5544841	Highly altered andesite. Gray to gray-green. iron staining, visible metal. Pyrite. Quartz veinlet swarm. Qtz flooding, white qtz veinlets with mineral. Very Hard-brittle-planes – qtz vugs E-W strike, 10°S dip
HiCu-5	656602	5544841	Highly altered andesite. Contact.Dark grey-green andesite. Iron stained-vugs-iron. Qtz veinlets-qtz flooding. Visible metal. Qtz crystal clusters.Multiple qtz events. E-W strike 10°S dip

Elevated levels of Au were found in HiCu-1; elevated As in HiCu-1;

No Elevated levels of Pb, Ag were found;

Elevated levels of Cu were found in HiCu-1, HiCu-2, anomalous in others.

FIGURE 6 LOCATION AND TYPICAL ROCK PICTURES
HiCu-1 LOCATION AND TYPICAL ROCK PICTURE



HiCu-1 LOCATION AND TYPICAL ROCK PICTURE



HiCu-1 LOCATION AND TYPICAL ROCK PICTURE



HiCu-2 LOCATION AND TYPICAL ROCK PICTURE





HiCu-2 LOCATION AND TYPICAL ROCK PICTURE



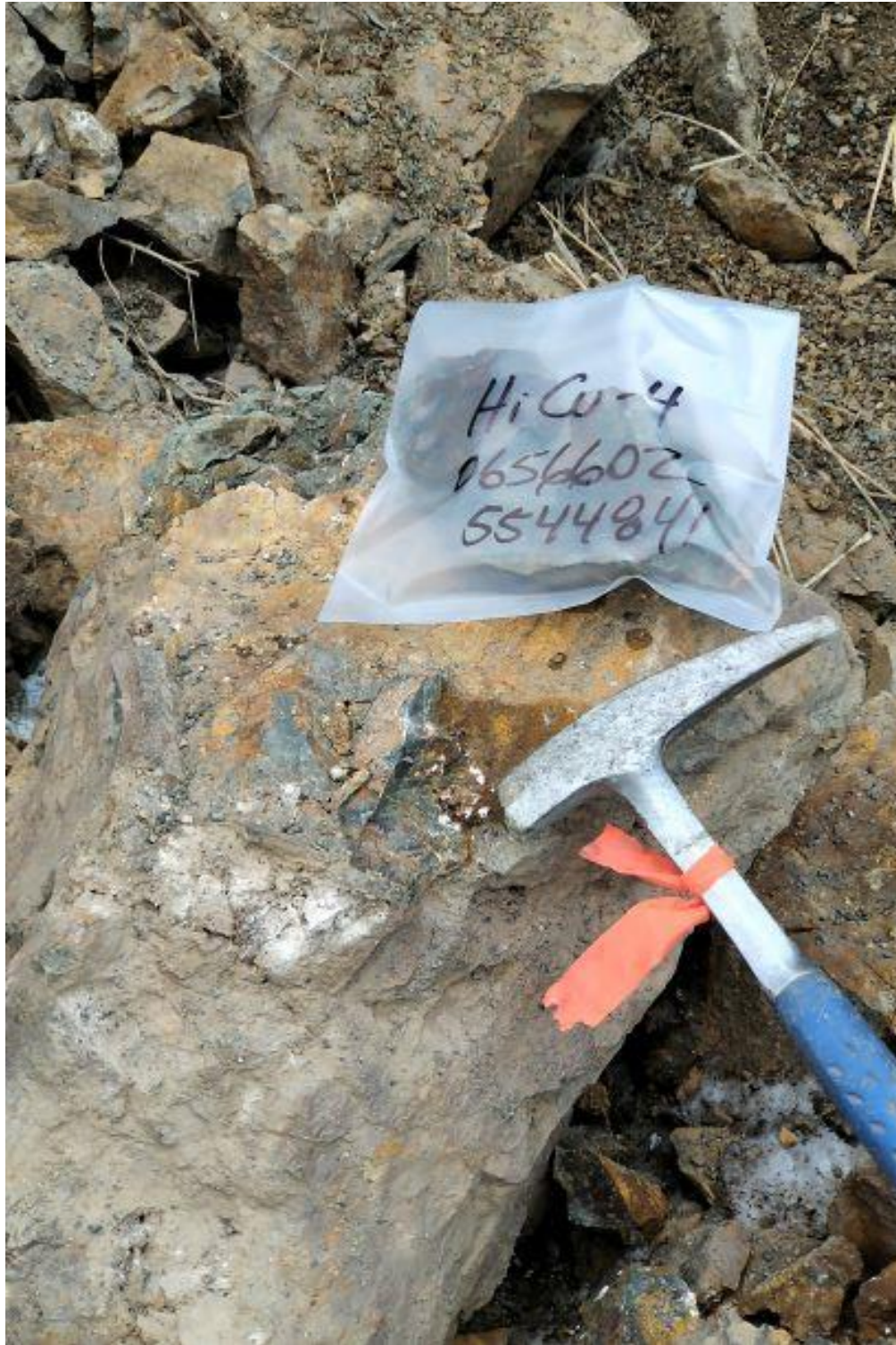
HiCu-3 LOCATION AND TYPICAL ROCK PICTURE



HiCu-3 LOCATION AND TYPICAL ROCK PICTURE



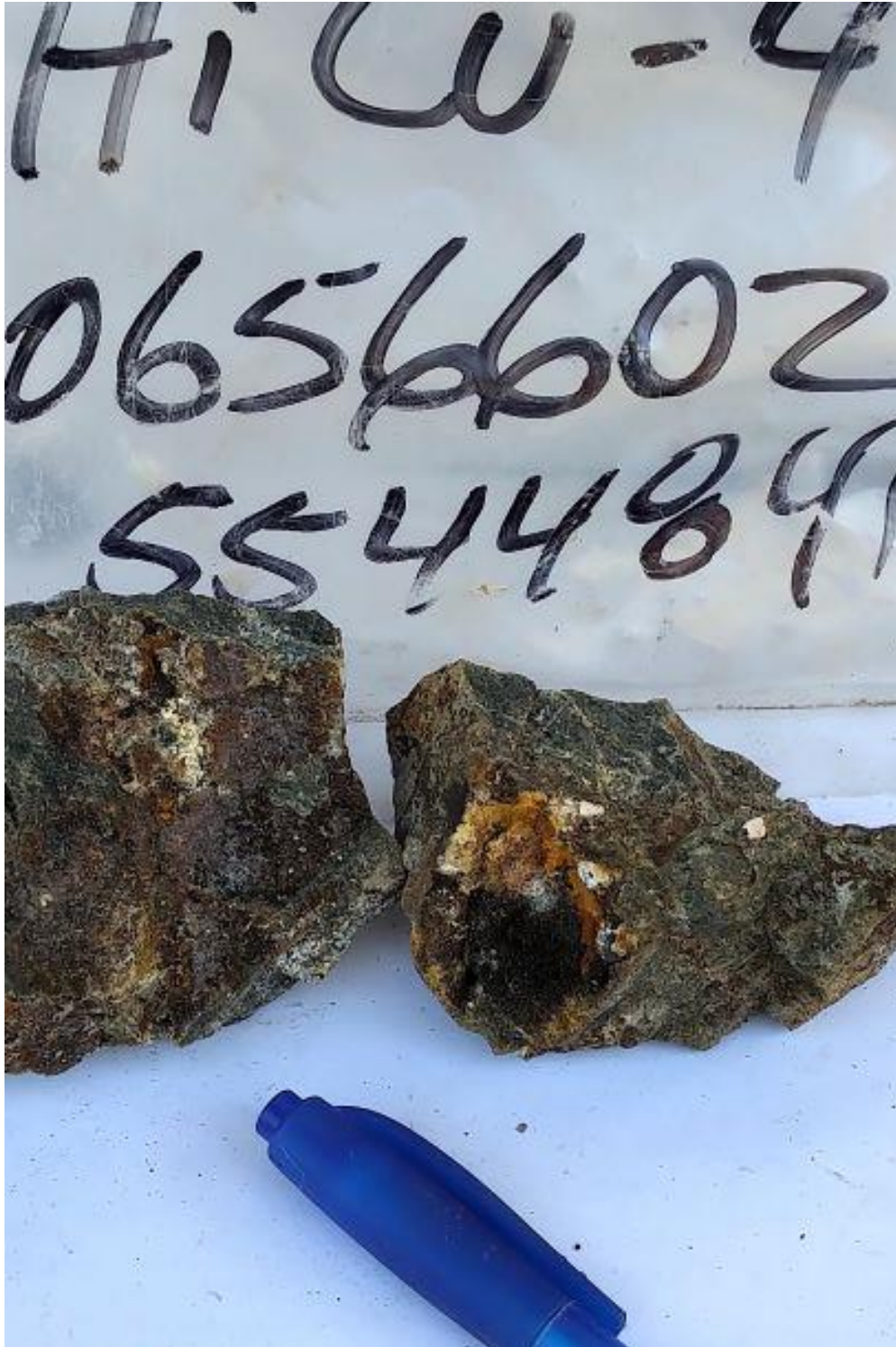
HiCu-4 LOCATION AND TYPICAL ROCK PICTURE



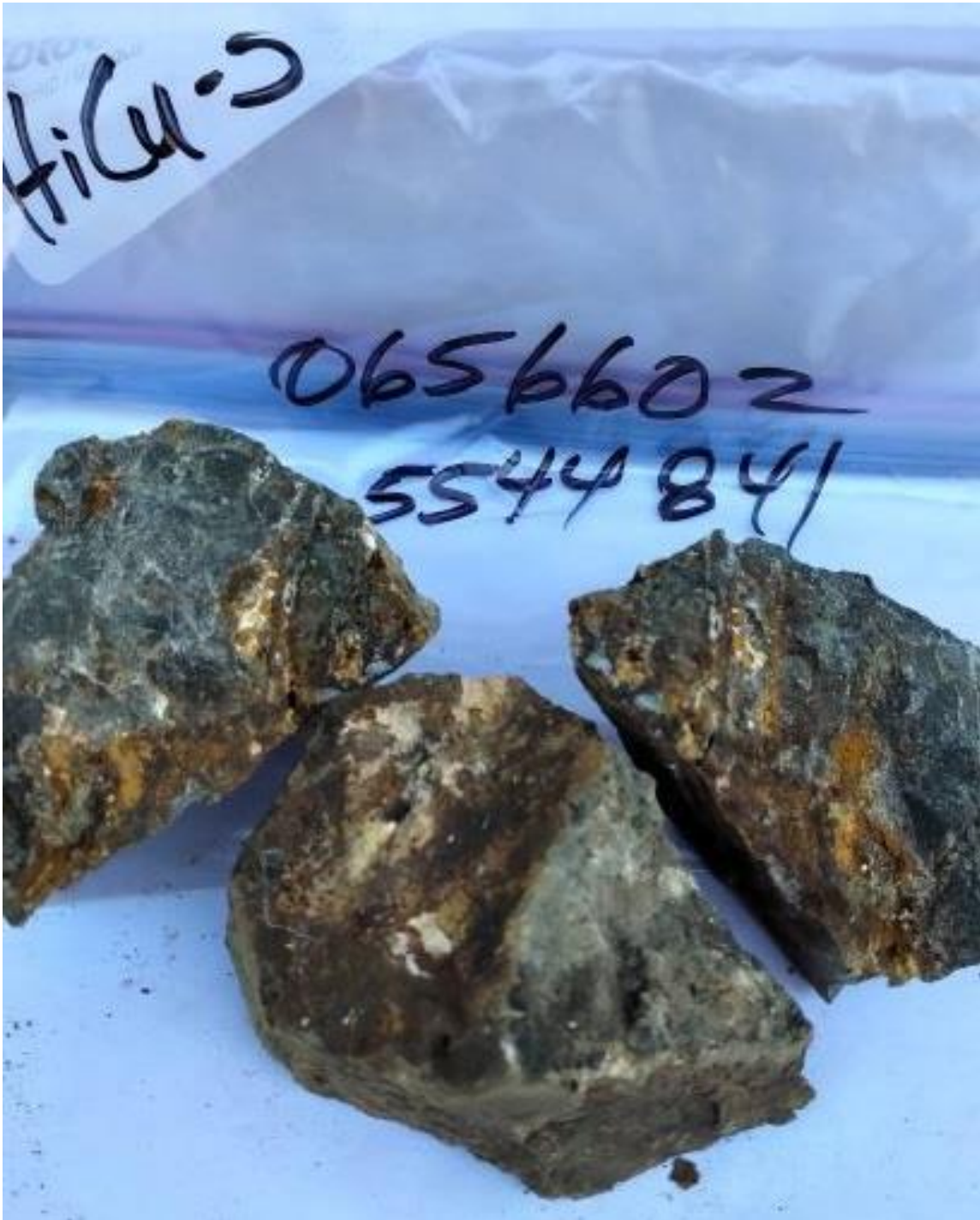
HiCu-4 LOCATION AND TYPICAL ROCK PICTURE



HiCu-4 LOCATION AND TYPICAL ROCK PICTURE



HiCu-5 LOCATION AND TYPICAL ROCK PICTURE



SUMMARY OF REGIONAL AND PROPERTY GEOLOGY
REGIONAL GEOLOGY

The Iron Mountain area is underlain by a northeast trending belt of Upper Triassic volcanic and sedimentary rocks of the Nicola Group (Figure 3). Iron Mountain is located within a northeast-trending fault-bounded segment of the Nicola Group which represents the southern structural extension of the Nicola Horst. Evidence of Proterozoic basement has been documented in the core of the Nicola Horst northeast of the property (Erdmer, 2002). The Nicola Horst is bounded by northeast trending faults which were active during regional Eocene extension. Nicola Group within the horst is bounded on its west side by Lower Cretaceous andesites of the Spences Bridge Group and Eocene andesites of the Princeton Group.

The western Nicola belt, in which the Iron Mountain Project is situated, comprises an east to southeast facing sequence of calc-alkaline andesitic flows that grade upward into pyroclastic rocks, epiclastic sediments and abundant limestone. Intrusive rocks of probable Late Triassic – Early Jurassic age crop out about four kilometers southwest of the property.

Figure 7 LD-COMSTOCK CLAIM GROUP Regional Geology

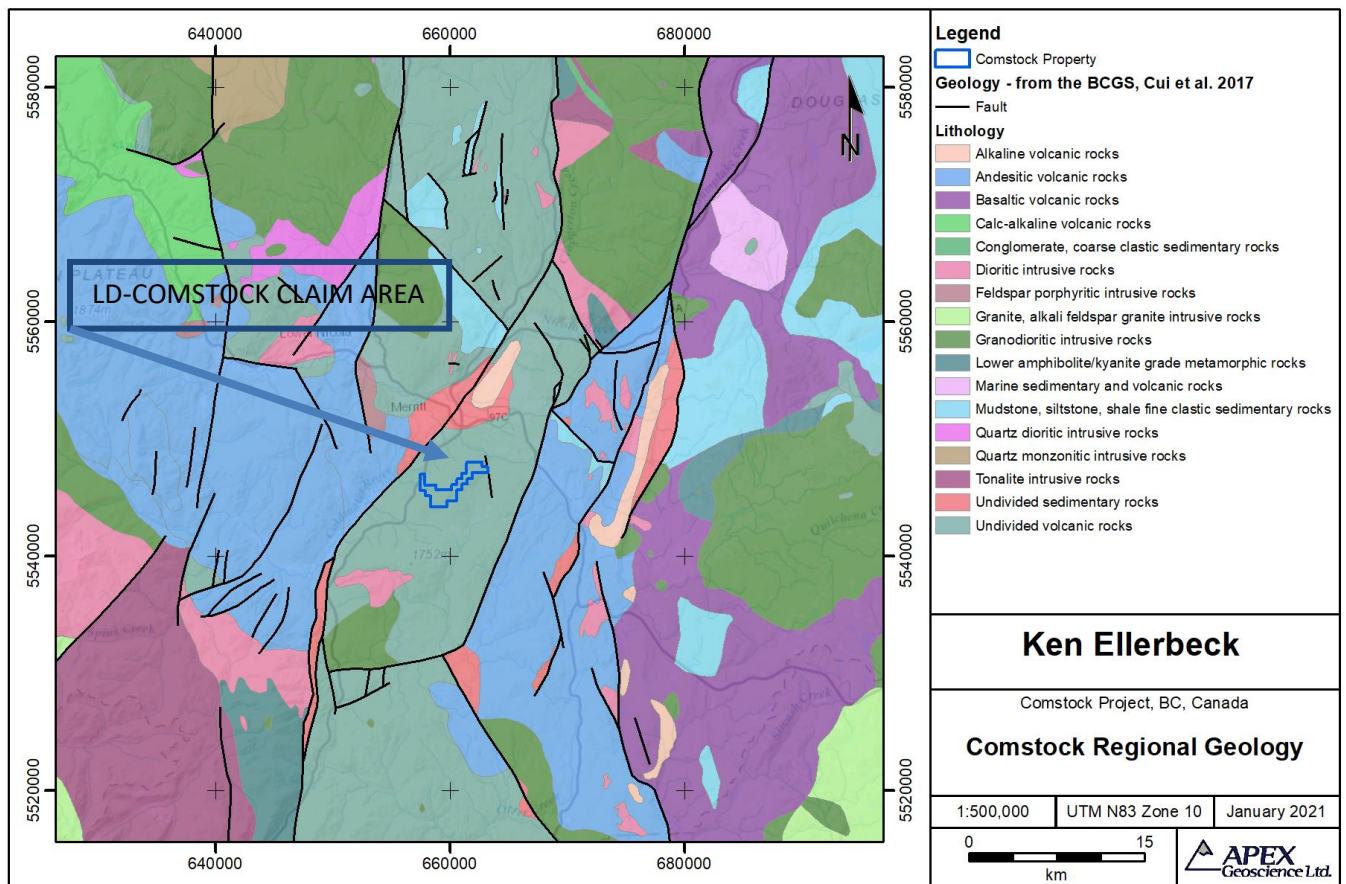
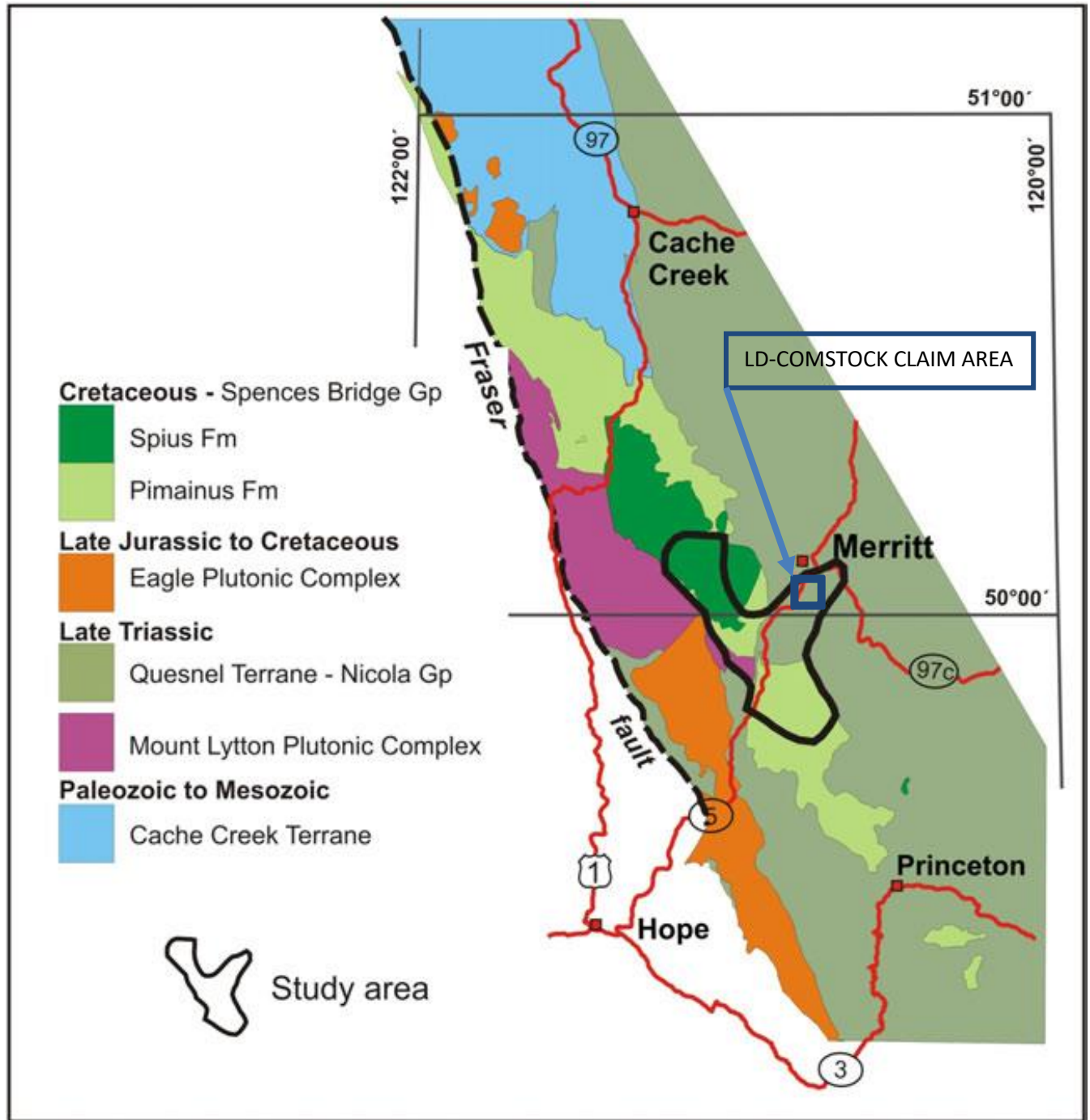
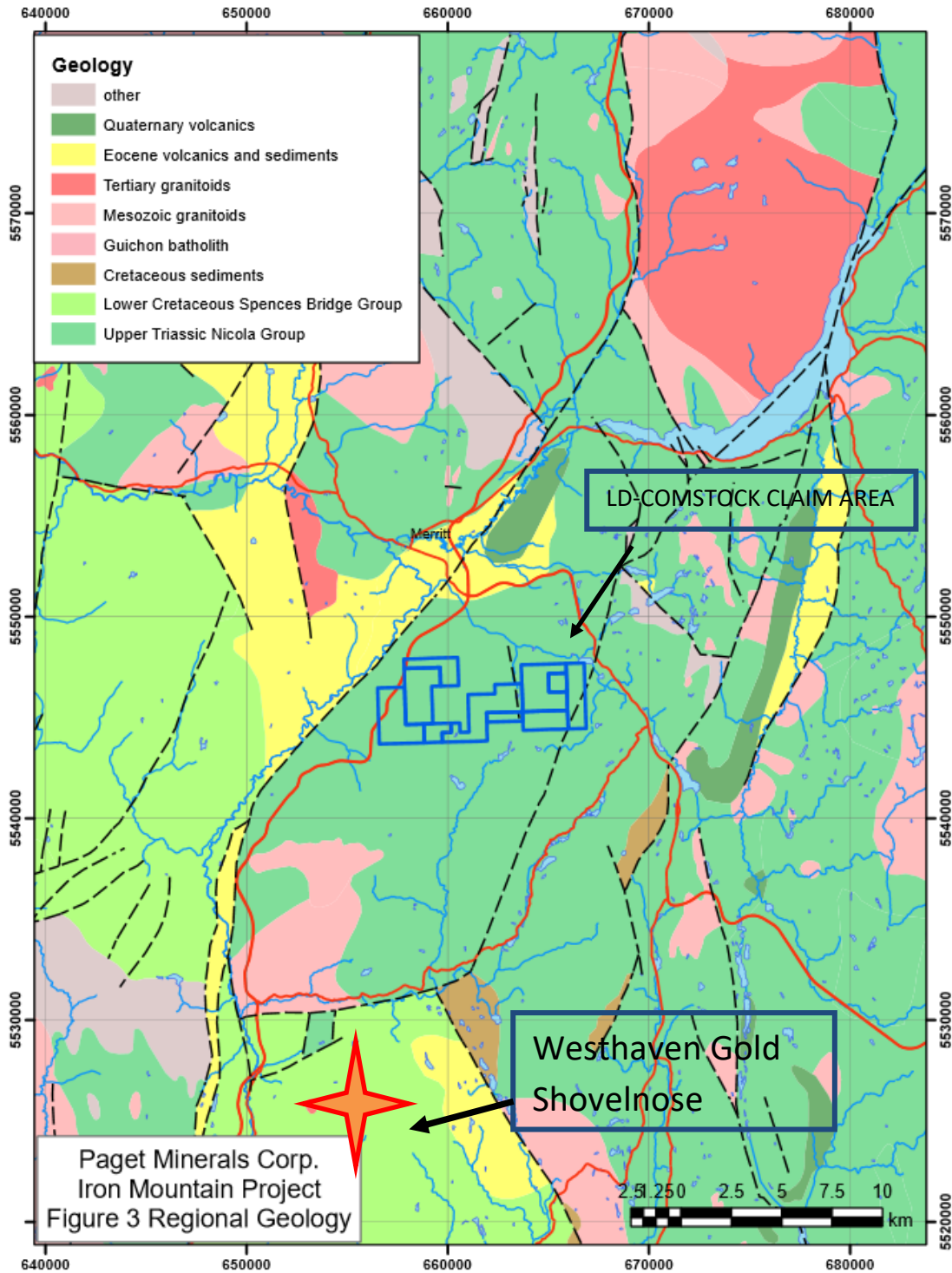


Figure 7 LD-COMSTOCK CLAIM GROUP Regional Geology



FROM: Geology and Mineral Occurrences of the Mid-Cretaceous Spences Bridge Group near Merritt, Southern British Columbia
(Parts of NTS 092H/14, 15, 092I/02, 03)
by L.J. Diakow and A. Barrios

Figure 7 LD-COMSTOCK CLAIM GROUP Regional Geology



LOCAL GEOLOGY

From Bradford for Paget Minerals Corp, 2010: “The lower western slopes of Iron Mountain are underlain mainly by at least 1500 metres of andesitic to basaltic andesite flows, breccias and minor tuff of the Upper Triassic Nicola Group (Figure 4). Toward the top of the sequence the andesitic rocks are intercalated with two major felsic units consisting of a lower dacite and upper rhyolite.

The overall trend of these units is about 030, dipping moderately to steeply to the east. The felsic succession hosts silver-lead-zinc-barite mineralization of possible volcanogenic origin (Leadville occurrence). The felsic volcanics are overlain by red and green lapilli tuffs and intermediate flows, which in turn are overlain by a sedimentary unit consisting of limestones and minor shales.

The andesitic volcanic sequence which underlies most of the property is heterogeneous, and includes massive aphanitic to amygdaloidal flows and flow breccias, minor andesitic tuff and tuff breccia, and feldspar phyric andesitic flows or sills. Rare argillaceous interflow sedimentary units are also present. Lensoid beds of sedimentary banded jasper are present (Cavey et al., 1986). In thin section the jasper is reported to consist of an intergrowth of minutely spherulitic hematite and cherty silica with delicate 1-4 mm laminations.

The area east of Iron Mountain is underlain by a thick east dipping homoclinal sequence dominated by andesitic volcanoclastic rocks intercalated with feldspar phyric andesite flows and minor thin limestone beds.”

And from

Sookochoff for Ken Ellerbeck, 2013: “**DIANE** prospect (*Polymetallic veins Ag-Pb-Zn+/-Au*)
MINFILE 092ISE022

Within Property

Regionally the area is underlain by a northeast trending belt of volcanic and sedimentary rocks of the Upper Triassic Nicola Group. These have been divided into three subparallel belts by two persistent north trending, high angle fault systems, the Alleyne-Summers Creek system to the east and the Allison system to the west. The north to northeast trending, steeply east dipping western belt, in which the Diane occurrence is wholly situated, comprises an east to southeast facing sequence of calc-alkaline flows that grade upward into pyroclastic rocks, epiclastic sediments and abundant limestone. The rocks are chiefly andesites, but range compositionally from basalt to rhyolite and vary from aphanitic to coarsely porphyritic. The pyroclastic members include tuff, lapilli tuff, breccia and tuff breccia, and are intimately related with the flows. Local calcareous marine sedimentary members, chiefly limestone with lesser argillite and conglomerate, also occur.

The Diane occurrence is underlain by a complex basal package of aphanitic, amygdaloidal and porphyritic flows and pyroclastic rocks of intermediate composition. These rocks are overlain by a transitional sequence of intermediate to felsic flows and pyroclastics with local fossiliferous limestone and limy sediment interbeds and minor lenses of banded jasper. These sequences form part of the Upper Triassic Nicola Group and have been subdivided into four units. The first unit is comprised of limestones and limy sediments, the second is mixed rhyolite to rhyodacite flows and minor tuffs, the third is mixed dacite to rhyolite flows and pyroclastics and the fourth is mixed andesite flows and pyroclastics. The rocks exposed on the property have undergone lower greenschist facies metamorphism (chlorite, epidote, sericite and carbonate alteration

mineralogy). The Nicola Group rocks strike north-northeast with variable southeast dips. Gentle large scale folding is apparent. Two sets of northeast and northwest trending faults are evident. Massive hematite, controlled and localized in fractures and occurring in association with limonite and malachite, is the predominant mineralization. Both the limonite and malachite appear to be secondary after pyrite and chalcopyrite, which occurs locally. Fracture intensity appears to determine both the distribution of hydrothermal mineralization and the amount of alteration in the host rock. At present, seven mineralized zones have been located and the majority of these zones follow northwest fractures. In several locations, late-stage quartz-hematite-limonite veining has been superimposed on the massive hematite mineralization. The width and continuity of this veining vary along strike, but appear to be strongest where fracturing in the volcanics is most intense. The emplacement of this mineralization, which is locally auriferous, has not had an effect on the massive hematite, but has resulted in intense alteration of the surrounding rocks.

MINERALIZATION: COMSTOCK CLAIM GROUP, DIANE prospect (Polymetallic veins Ag-Pb-Zn+/-Au), MINFILE 092ISE022 Within Property

The Original zone, where trenching has exposed fault-controlled hematite-limonite +/- malachite mineralization over a distance of approximately 250 metres, is the only location where gold Values occur. This mineralization is hosted by andesitic flows and pyroclastics and strikes between 133 and 143 degrees, with steep southwest dips. The mineralized trend varies up to several metres in width and appears to splay into several thinner zones to the north. A discontinuous zone of auriferous quartz veining hosting iron oxides with lesser chlorite and sericite has been defined within this trend and appears to have resulted in the pervasive silicification of the host volcanics. Rock samples have assayed up to 9.73 grams per tonne gold (Assessment Report 17721). Recent diamond drilling has intersected extensions of the Original zone at a depth of 59 metres and averaged 15.56 grams per tonne gold and 16.43 grams per tonne silver across 1.38 metres. Values of over 1 per cent copper have also been recorded (Assessment Report 17721).

The South and Lowell zones, 225 and 500 metres south of the Original zone respectively, contain malachite, chalcopyrite, pyrite and quartz-specularite veins or stockwork along narrow shears and fractures in mixed porphyritic and aphanitic andesite flows and lithic tuffs. Trench samples from the South zone returned assays of up to 0.45 per cent copper over 2 metres and from the Lowell zone, up to 0.20 per cent copper over 7 metres (Assessment Report 16058). Fracture sets in the Lowell zone appear to strike 040 degrees and dip steeply to the southeast. The Zinc zone is approximately 960 metres south of the Original zone and comprises a homogeneous felsic tuff with a small shear or fracture containing limonite and a few quartz veinlets. A rock sample of a limonitic, grey-pink rhyolitic tuff assayed 5.4 per cent zinc (Assessment Report 16058). Three samples from a trench averaged 1.6 per cent zinc over 3 metres (Assessment Report 16058).

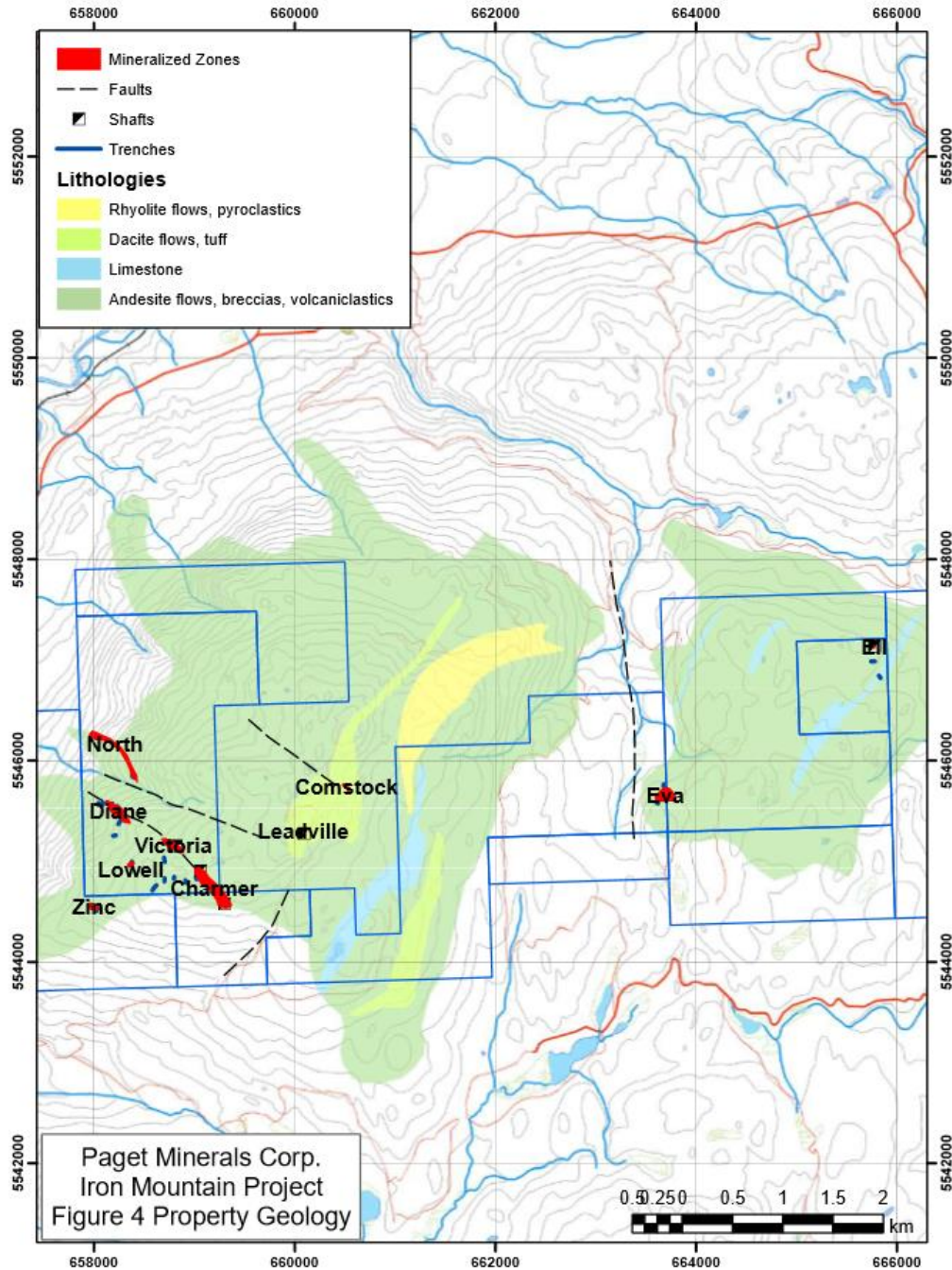
Structural Geology (from Boronowski 1984)

The Nicola Group of the Iron Mountain property dips moderately to steeply southeastward and strikes northeasterly. The stratigraphic top faces eastward.

The shear zones within the Charmer Zone contain quartz, quartz-specularite and specularite veins, these veins tend predominantly parallel to the NW-SE and E-W fractured directions. The veins within the shear zones of the Aberford Zone trend generally between 320' and 010" and dip steeply, The east-west trending veins, such as those found in the Charmer Zone, are rare.

The quartz, quartz-specularite and specularite veins, these veins contain fragments of the host rock and vein material. This indicates several periods of movement within the shear zones after emplacement of the veins. According to J. Scott (1984), the veins demonstrate several episodes of hydrothermal injection and fracturing.

Figure 8 LD-COMSTOCK CLAIM GROUP Local Geology



SUMMARY OF REGIONAL AND PROPERTY GEOLOGY (.....continued)

Prospecting on the LD-COMSTOCK Tenure **1082159 and 1081657** confirmed the presence of mineral bearing quartz veins/veinlets and altered andesitic volcanic rocks in the Work Area.

Elevated levels of Au were found in HiCu-1; elevated As in HiCu-1;

No Elevated levels of Pb, Ag were found;

Elevated levels of Cu were found in HiCu-1, HiCu-2, anomalous in others.

Table I. Particulars of Grab Samples taken by ELLERBECK (2021) LD-COMSTOCK

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION
			All OUTCROP unless indicated
HiCu-1	656542	5544754	Contact -unaltered grayish porphyritic andesite with bleached highly altered andesite. Visible metal-malachite stain-iron stain. Chlorite amygdules-visible sulphide-quartz veinlets, quartz eyes. Fragments of unaltered andesite-breccia. E-W, 10°S dip. Similar to Original area rocks. +/- 3m wide alteration zone
HiCu-2	656603	5544837	Highly altered porphyritic greenish andesite, iron staining. Visible metal. Qtz veinlets Hard-brittle. E-W strike 10°S dip
HiCu-3	656602	5544843	Very Hard-black-green andesite. Contact-crumbly altered andesite? Qtz veinlets,qtz flooding, Iron staining,Visible metal. Vugs-iron. Altered-bleached. Iron stain in qtz flooding. E-W strike 10°S dip
HiCu-4	656602	5544841	Highly altered andesite. Gray to gray-green. iron staining, visible metal. Pyrite. Quartz veinlet swarm. Qtz flooding, white qtz veinlets with mineral. Very Hard-brittle-planes – qtz vugs E-W strike, 10°S dip
HiCu-5	656602	5544841	Highly altered andesite. Contact.Dark grey-green andesite. Iron stained-vugs-iron. Qtz veinlets-qtz flooding. Visible metal. Qtz crystal clusters.Multiple qtz events. E-W strike 10°S dip

TECHNICAL DATA AND INTERPRETATION
Table II. Summarized Assay Results- Grab Samples-Ellerbeck (2021) – LD-COMSTOCK

Sample No.	Sample Type	Cu ppm	Pb ppm	Zn ppm	Au ppm	Ag ppm	Mo ppm
HiCu-1	Grab	549	<2	55	0.013	<0.2	1
HiCu-2	Grab	200	<2	91	0.007	<0.2	2
HiCu-3	Grab	36	<2	56	<0.005	<0.2	1
HiCu-4	Grab	45	<2	57	0.006	<0.2	2
HiCu-5	Grab	96	<2	66	0.006	<0.2	3

PURPOSE

In April 2021 a prospecting program was completed on Tenures **1082159** and **1081657** of the 19 Claim LD-COMSTOCK CLAIM GROUP. The purpose of the prospecting program was to locate, if possible, extensions of historic reported geological features (copper and gold bearing structures in particular) as well as to prospect for unidentified outcrops and showings of significance. Information for this report was obtained from sources cited under Selected References and from a property examination made on April 14, 2021.

There was historic reference (without specific location) in previous work of copper assays of interest at the western extent of current claims. The writer wished to determine the existence and extent (if any) of Cu, Au mineralization at the westerly extent of the property.

PROSPECTING RESULTS - Outcrops

HiCu-1 to HiCu-5 inclusive: confirmed local/property and regional geological mapping.

ASSAY RESULTS

Elevated levels of Au were found in HiCu-1; elevated As in HiCu-1;

No Elevated levels of Pb, Ag were found;

Elevated levels of Cu were found in HiCu-1, HiCu-2, anomalous in others.

INTERPRETATIONS AND CONCLUSIONS

The reported historic presence of mineralization within a westerly area of the LD-COMSTOCK Claim Group (no historic coordinates provided) was confirmed by sampling and assaying rocks from various outcroppings during the April 14, 2021 prospecting program.

The current program was designed to provide, if possible, a westerly location of known mineralization within the Claims. Then further prospecting between that possible westerly extent and the known locations of mineralization within the Claims could be planned.

Of note, highly anomalous Cu results were obtained at various locations within the Claims during previous exploration programs and those locations are known and mapped.

In April 2021 elevated/anomalous Cu results were obtained from two (2) rock grab samples from outcrop at the westerly edge of the Claims.

In addition, one (1) of the rock assays from the April 2021 program contained anomalous Au.

It would appear the rocks present in outcrop(s) examined in April 2021 bear similarities to the rocks mapped in the Original Zone, Lowell Zone and Charmer Zone.

Rather than locate and assay rocks proximal to the historic reported main LD-Comstock showings (such as the Original Zone), and other previously noted mineralized rock occurrences, the writer chose to sample and assay outcrops up to 4.0 km away from known recorded mineral showings in an unrecorded and unreported 150 m. x 50 m. altered outcrop zone.

The presence of mineralization within altered andesite outcrops within the LD-COMSTOCK Claim **1082159 and 1081657** was confirmed by the accompanying assay results.

This mineralization is assumed to be the result of the alteration of host andesite by solutions forming, among other features, quartz veins/veinlets in fractures and within highly altered andesite rocks. Possibly secondary epithermal event(s)? The mineralization appears similar to mineralization observed in andesite and altered andesite in the Original, Diane, Lowell showing areas located up to 4.0 km to the northeast.

SUMMARY AND RECOMMENDATIONS

The 2021 field program showed that significant mineralization is present in the host volcanic/andesite rocks of the LD-Comstock property at the westerly edge of the Claims.

There is no previous detailed geological mapping of the area examined on April 14, 2021.

There is up to a 4.0 km separation from some similar reported mineralization at the Diane – North Zone – Lowell areas.

The 2021 program assay results indicate that a careful examination of the host andesite between the new discovery zone and the known andesite/quartz/rhyolite occurrences is warranted.

Therefore, it is recommended by the Author that a comprehensive prospecting plan be created and executed in the field as soon as practical to confirm and map the extent of the altered andesite rocks between the reported historic property showings and the new discovery area covered in this report.

ITEMIZED COST STATEMENT

Exploration Work type	LD-COMSTOCK	Days			Totals
PROSPECTING & EXPLORATION					
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Ken Ellerbeck / Owner	April 14, 2021	1	\$500.00	\$500.00	
Q. Ellerbeck / Helper	April 14, 2021	1	\$250.00	\$250.00	
		1		\$0.00	
		1		\$0.00	
		1		\$0.00	
		1		\$0.00	
				\$750.00	\$750.00
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search	Ken Ellerbeck	1.0	\$500.00	\$500.00	
Database compilation	Ken Ellerbeck	0.5	\$500.00	\$250.00	
General research	Ken Ellerbeck	0.5	\$500.00	\$250.00	
Report preparation	Ken Ellerbeck	1.0	\$500.00	\$500.00	
Other (specify)				\$0.00	
				\$1,500.00	\$1,500.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Prospect	see Personnel Field Days				
Underground					
Trenches				\$0.00	\$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Soil	ALS MINERALS Vancouver	0.0	\$49.46	\$0.00	
Rock	ALS MINERALS Vancouver	4.0	\$48.00	\$192.00	
				\$192.00	\$192.00
Transportation		No.	Rate	Subtotal	
KM Kamloops-Property-return	1 DAYS RETURN TRIPS	225.00	\$0.95	\$213.75	
KM SAMPLES TO LAB	April 20, 2021	51.00	\$0.95	\$48.45	
				\$0.00	
				\$262.20	\$262.20
Accommodation & Food	Rates per day				
Hotel			\$0.00	\$0.00	
Camp			\$0.00	\$0.00	
Meals	2 man-days @\$40/day	2.00	\$40.00	\$80.00	
				\$80.00	\$80.00
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other (Specify)				\$0.00	
				\$0.00	\$0.00
Equipment Rentals					
Field Gear (Specify)			\$0.00	\$0.00	
Other (Specify)				\$0.00	
				\$0.00	\$0.00
Freight, rock samples					
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				\$0.00	\$0.00
TOTAL Expenditures					\$2,784.20

STATEMENT OF AUTHOR'S QUALIFICATIONS

STATEMENT OF AUTHOR'S QUALIFICATIONS**KENNETH C. ELLERBECK, PMP**

I hold a BSc in Mechanical Engineering, University of Alberta, Edmonton, 1973.

I have completed University level introductory geology courses.

I hold a Certificate in Project Management from University of British Columbia, Sauder School of Business, 2010.

I hold a Project Management Professional designation – PMP – 1391810 – 2011.

I have been actively involved in all aspects of mineral exploration since 1980 in the Province of British Columbia.

I have managed staking and exploration programs since 1980 on my own mineral tenures as well as for tenures held by both private and publicly-held junior exploration companies.

My mineral exploration experience includes staking, prospecting, trenching, trench mapping, line cutting and grid construction, geochemical surveys, geophysical surveys, diamond drilling supervision and general exploration program supervision.

SIGNED



KENNETH C. ELLERBECK

LIST OF SELECTED REFERENCES

BC Geological Survey, Ministry of Energy, Mines & Petroleum Resources – MINFILE : 092ISE107, MINFILE 092ISE022

British Columbia Survey Branch, The Map Place.

LD PROPERTY Geological Report with Interpretation of IP Geophysical Survey, 92I/02 UTM 619000E; 5559000N (UTM ZONE 10; NAD 83), Prepared for Navigo Ventures Inc., Owner and Operator, Event # 4825543, Locke B. Goldsmith, P.Eng., P.Geo. Consulting Geologist, July 2, 2010, Revised October 6, 2011.

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Map 886 A, Nicola, (Geol.) Sc. Accomp. Memoir 249, Geol. Survey of Canada (1948).

BC Geological Survey, Ministry of Energy, Mines & Petroleum Resources – MINFILE : 092ISE107

LIST OF SOFTWARE PROGRAMS USED

ADOBE PHOTOSHOP 7.0

PAINT for WINDOWS

ARIS MAPBUILDER – Map Data downloads

Imap BC – Map Data downloads

MtOnline - MINFILE downloads.

APPENDIX 1 SAMPLE PREPARATION AND METHOD OF ANALYSIS

Page: 1
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 13-MAY-2021
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CERTIFICATE KL21096768

Project: COMSTOCK HiCu

This report is for 5 samples of Rock submitted to our lab in Kamloops, BC, Canada on 20-APR-2021.

The following have access to data associated with this certificate:
 KEN ELLERBECK

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

Signature: Saa Traxler, General Manager, North Vancouver

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 *****

APPENDIX 2 ASSAY RESULTS

Page: 2 - A
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
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Project: COMSTOCK HiCu

CERTIFICATE OF ANALYSIS KL21096768

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	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
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.2	0.01						0.5					0.01
HICu-1		0.98	0.013	<0.2	2.45	36	<10	40	0.5	<2	1.93	<0.5	15	55	549	6.90
HICu-2		1.18	0.007	<0.2	2.99	18	<10	120	<0.5	<2	0.41	<0.5	17	30	200	7.12
HICu-3		0.87	<0.005	<0.2	1.47	11	<10	150	0.7	<2	0.35	<0.5	10	2	36	2.86
HICu-4		1.17	0.006	<0.2	2.19	16	<10	50	<0.5	<2	0.29	<0.5	14	4	45	5.68
HICu-5		1.56	0.006	<0.2	2.31	13	<10	70	<0.5	<2	0.29	<0.5	22	4	96	5.70

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



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Page: 2 - B
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 13-MAY-2021
 Account: ELLERK

Project: COMSTOCK HiCu

CERTIFICATE OF ANALYSIS KL21096768

Sample Description	Method Analyte Units LOD	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	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
HiCu-1		10	<1	0.11	10	2.52	1170	1	0.02	19	690	<2	<0.01	<2	11	17
HiCu-2		10	<1	0.11	10	2.45	1160	2	0.05	13	810	<2	<0.01	<2	14	13
HiCu-3		<10	<1	0.43	10	0.39	155	1	0.01	3	850	<2	<0.01	<2	8	13
HiCu-4		10	<1	0.05	10	1.67	822	2	0.05	5	750	<2	<0.01	<2	10	13
HiCu-5		10	<1	0.13	10	1.69	848	3	0.04	4	750	<2	<0.01	<2	10	11

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



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Project: COMSTOCK HiCu

CERTIFICATE OF ANALYSIS KL21096768

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm
		20	0.01	10	10	1	10
HiCu-1		<20	0.01	<10	<10	133	<10
HiCu-2		<20	0.01	<10	<10	206	<10
HiCu-3		<20	<0.01	<10	<10	41	<10
HiCu-4		<20	0.01	<10	<10	122	<10
HiCu-5		<20	0.01	<10	<10	117	<10

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