



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: \$3,584.25

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): 5848848 October 27, 2021

PROPERTY NAME: BARNUM

CLAIM NAME(S) (on which the work was done): 1081661 BARN INTRUSIVE

COMMODITIES SOUGHT: Au Ag Cu

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092INE128 MOT

MINING DIVISION: KAMLOOPS NTS/BCGS: 092I09E 092I070

LATITUDE: 50 ° 35 ' 48.3 " LONGITUDE: 120 ° 8 ' 53.3 " (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):
Argillite, Brecciated Argillite, Feldspar Porphyry Dike, Biotite Feldspar Porphyry, Granodiorite.
Fault-Upper Tr. Nicola Undefined./Jurassic Wild Horse Gd Intrusion. Pyrite, Pyrrhotite, Molybdenite, Quartz, Carbonate
Disseminated, Vein Porphyry, Hydrothermal, Epigenetic Type: I01: Au-quartz veins, L04: Porphyry Cu +/- Mo +/- Au
brecciated argillite cut by a pyritic feldspar porphyry dike containing quartz veinlets.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
3616, *4315, 8635, 8739, 9881, *17556

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			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area) 1000m x 2000m		1081661	\$3,584.25
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:			\$3,584.25

KEN ELLERBECK

(Owner & Operator)

TECHNICAL EXPLORATION REPORT

(Event # 5848848)
on

PROSPECTING and EXPLORING

Work done on

Tenures 1081661

of the 7 Claim

BARNUM CLAIM GROUP

Kamloops Mining Division
BCGS Map 092I.070 NTS Map 092I09E

Centre of Work
UTM 10 0701879E 5608825N

AUTHOR KEN ELLERBECK, PMP

REPORT SUBMITTED December 11, 2021

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INTRODUCTION

PURPOSE

In May 2021 a prospecting program was completed on Tenures 1081661 of the seven (7) claim BARNUM CLAIM GROUP. The purpose was to locate historic reported geological features (Au, Ag, Cu bearing structures) as well as to prospect for outcrops and showings of significance. Rock Sampling of the BARNUM Pit Area by the Author in 2016 and 2020 resulted in very encouraging Au assays. The Author wanted to examine and sample rocks from the southern portion of the BARNUM Claim Group to see if rock formations and mineralization similar to the BARNUM Pit area could be located. Report information was obtained from Selected References and from a May 8-9, 2021, property examination.

ACCESS AND LOCATION

The property is located 25 km. east of downtown Kamloops, BC. Access is via East Trans Canada Highway east from Kamloops, BC to the Barnhartvale turnoff, then southeast on the Barnhartvale Road for 9 km. A network of gravel and dirt roads give access to most areas of the claim. The claim is situated on Crown Land but access is via gravel road crossing private property. Permission to some area of the Tenures is required for access but not for exploration.

PHYSIOGRAPHY

The property is located in the Interior Plateau of southern British Columbia. Topography is gentle to steep and elevation varies from 650 to 1220 metres above sea level. Snowfall is not excessive, and water is available from Campbell Creek. Temperatures range from +35C to -25C but are generally moderate. Vegetation consists of bunch grass, open grassy meadows and lightly forest-covered areas of pine and fir trees. Kamloops is an historic mining center and a reliable source of experienced, reliable exploration and mining personnel and mining related equipment.

PROPERTY DESCRIPTION

<u>Tenure Number ID</u>	<u>Claim Name</u>	<u>Tenure Subtype Description</u>	<u>Issue Date</u>	<u>Good to Date</u>	<u>Area in Hectares</u>	<u>Client Number ID</u>	<u>Owner Name</u>	<u>Percent Ownership</u>
1038694	BARNUM	CLAIM	9/20/2015	12/31/2029	20.499	107608	ELLERBECK, KENNETH CECIL	100
1042882	PT	CLAIM	3/16/2016	12/31/2029	20.5008	107608	ELLERBECK, KENNETH CECIL	100
1062610	BARNUM SOUTH	CLAIM	8/26/2018	12/31/2029	41.0052	107608	ELLERBECK, KENNETH CECIL	100
1076834	BARN EAST	CLAIM	6/19/2020	12/31/2029	102.5111	107608	ELLERBECK, KENNETH CECIL	100
1076930	BARN EE	CLAIM	6/24/2020	12/31/2029	82.007	107608	ELLERBECK, KENNETH CECIL	100
1077106	BARN WEST	CLAIM	7/7/2020	8/31/2023	40.9997	107608	ELLERBECK, KENNETH CECIL	100
1081661	BARN INTRUSIVE	CLAIM	3/14/2021	8/31/2022	2051.2689	107608	ELLERBECK, KENNETH CECIL	100

Total Area: 2358.7917 ha

Figure 1 LOCATION MAP from MTO Mapbuilder

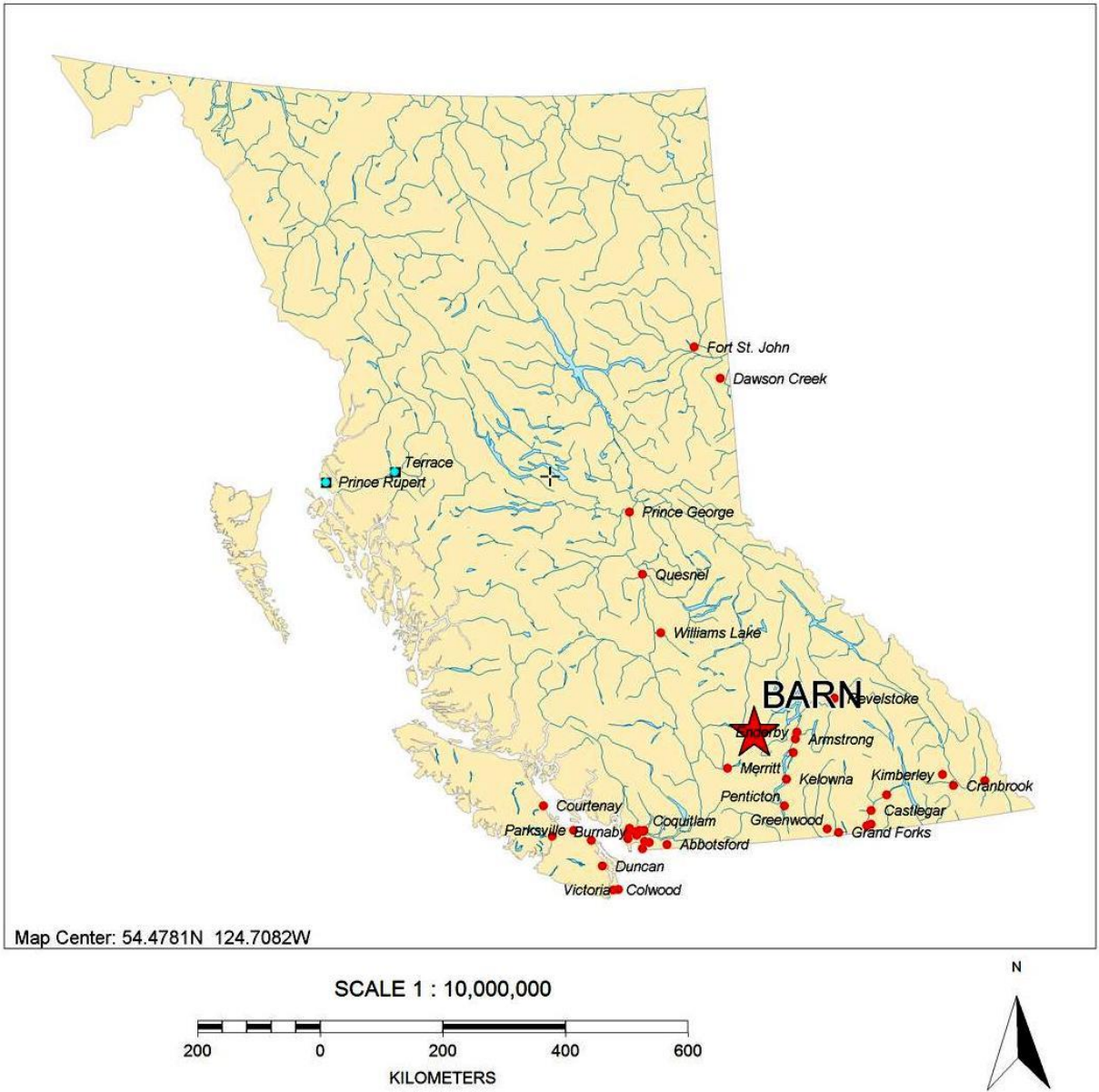


Figure 2 CLAIM LOCATION MAP (Base Map GOOGLE EARTH)

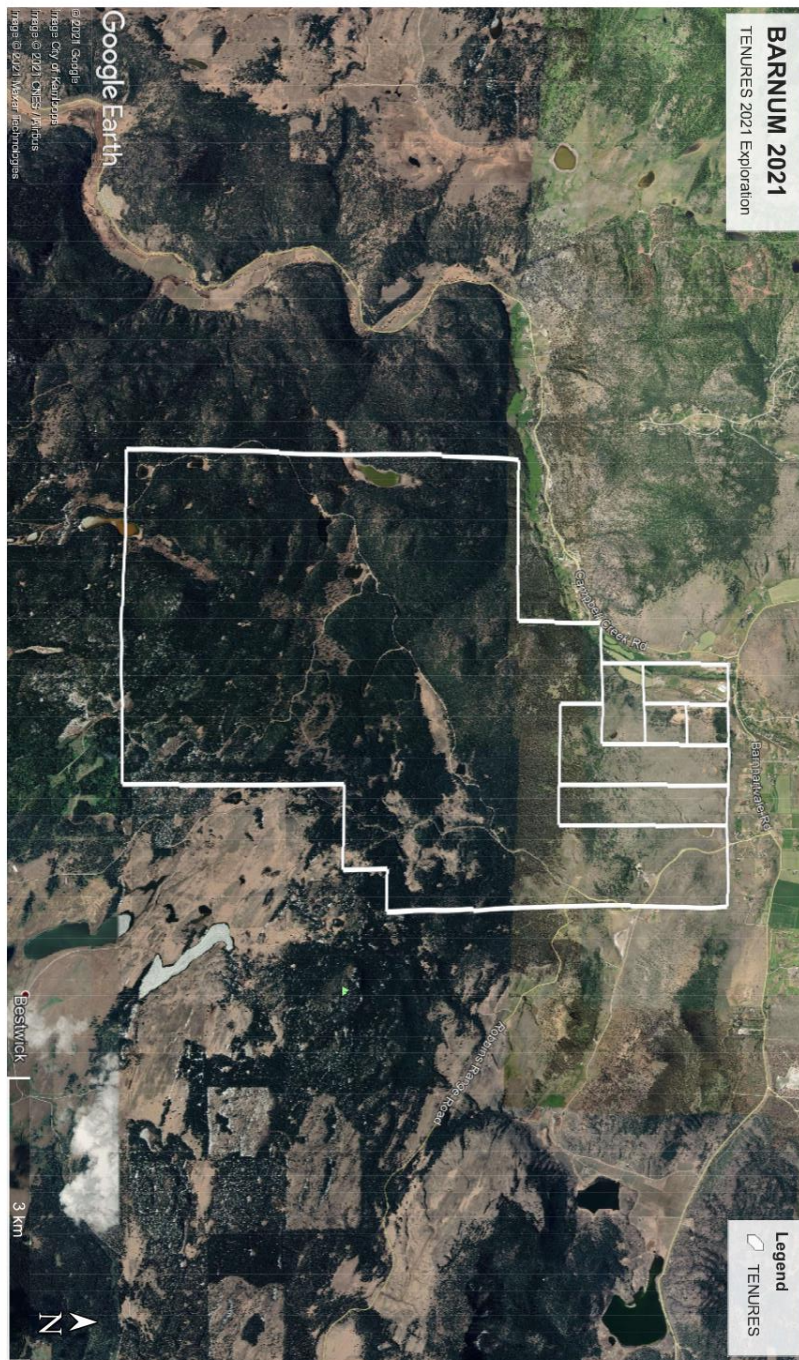
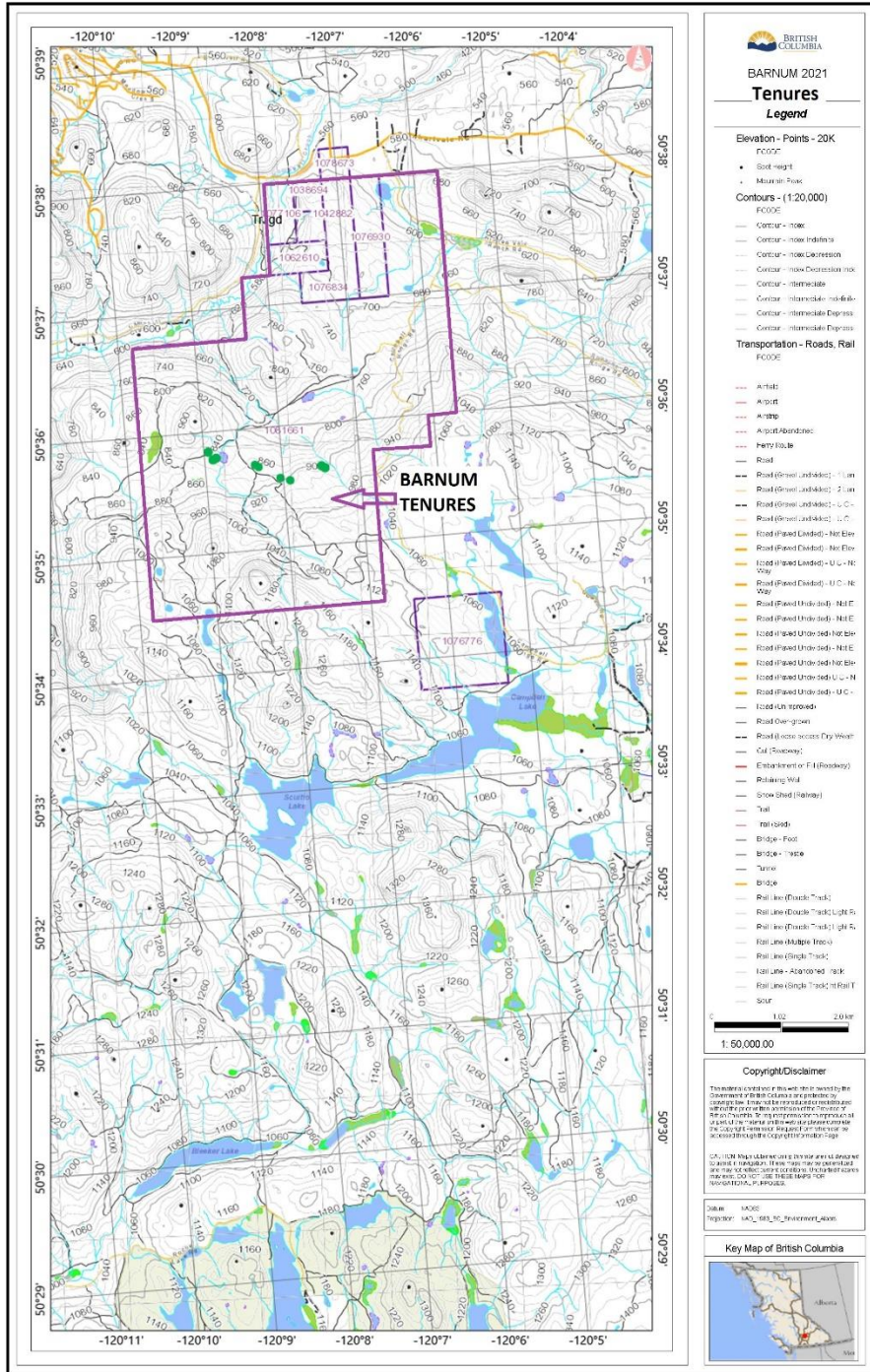
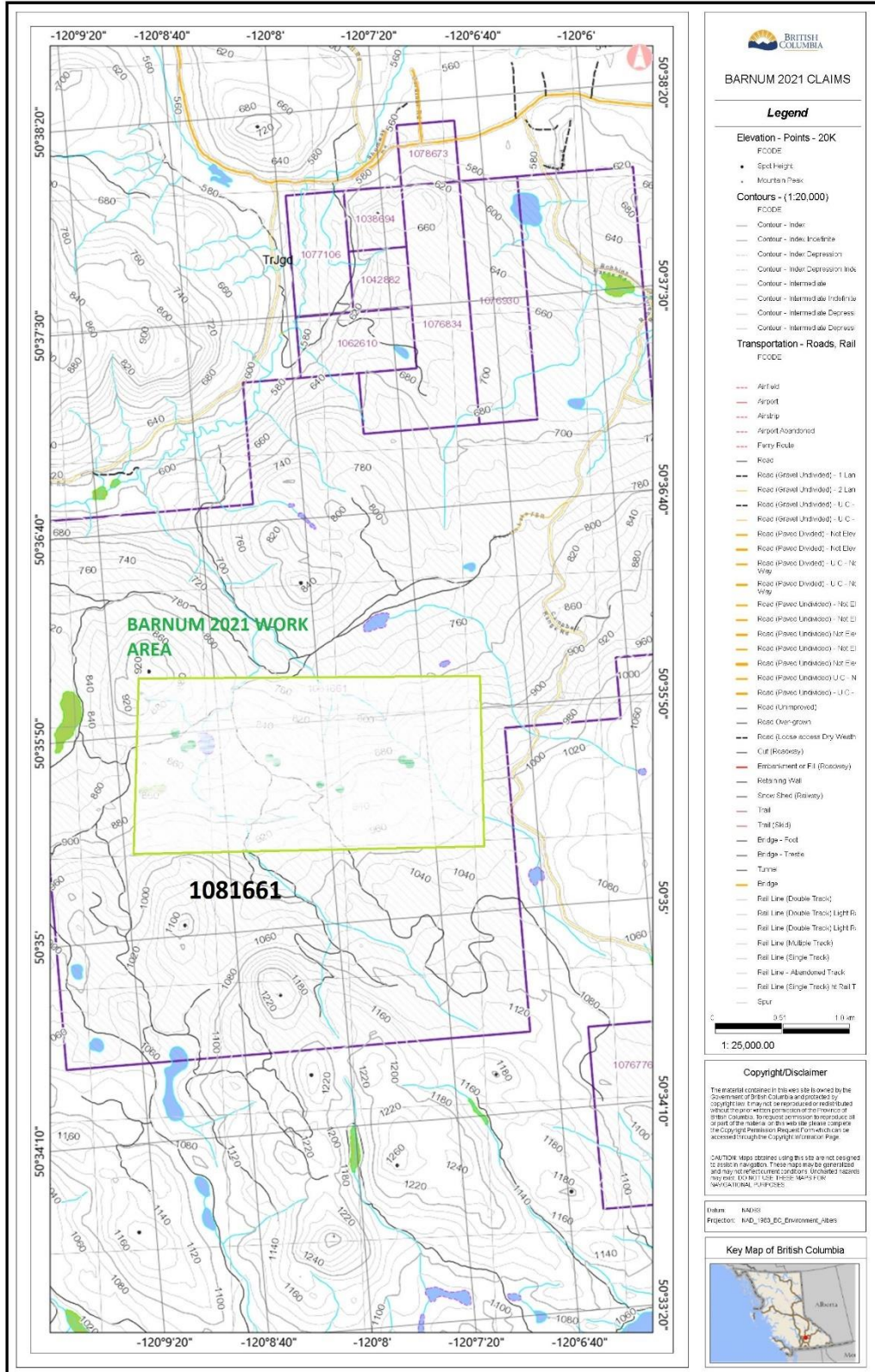


Figure 3 Regional Location Map (Base Map GOOGLE EARTH)



Figure 4 Claim Map and Index Map





HISTORY

From Minfile 092INE128:

The MOT property is located near the fault contact between argillites of the Upper Triassic Nicola Group and granodiorite of the Jurassic Wild Horse batholith. Nicola rocks are highly fractured and brecciated and in places veined with fine quartz stringers and segregations. Feldspar porphyry dikes, with fine pyrite and pyrrhotite, cut the argillites. A 1988 diamond-drill hole (JAG 1-88) intersected highly fractured and brecciated argillite with local zones healed with quartz-carbonate. One of these zones analyzed 8.6 grams per tonne gold over 1.5 metres. Another hole (JAG 4-88) intersected brecciated argillite cut by a pyritic feldspar porphyry dike containing quartz veinlets which analysed up to 1.6 grams per tonne gold (Assessment Report 17556).

About 500 metres northwest of the drilled area, on the north side of the road to Barnhart Vale, some outcrops of biotite feldspar porphyry contain small clots of molybdenite.

Trenching on the property suggests prospecting in the early 1900s but there are no known records of it. In 1971, regional prospecting by Copper Range Exploration Company, Inc. discovered anomalous copper-gold values in rocks and staked the Mot 9-30 claims. Follow-up work consisted of geological mapping and soil (71) and rock chip sampling. In 1973, geological mapping and soil sampling (61) was conducted by Copper Range Exploration Company, Inc. In 1975, the property was restaked by R.A. Dickenson who carried out a small sampling program. In 1979, the Carlin 2 claim was staked by R.A. Dickenson and in that year prospecting carried out on behalf of T. Alexander. In 1980-81, Vantex Resources Inc. optioned the property and carried out a program of soil sampling and VLF-EM surveys.

In 1988, a program of 31.2 kilometres of VLF-EM and magnetometer surveys, geological mapping, 21.6 kilometres of grid establishment and six diamond-drill holes totalling 361.8 metres were completed on the Barn claim on behalf of Jaguar Equities Inc.

AND

From Mear, L. 1991 AR22285, : Diamond Drilling, Vicars #2.

Spectro Lab

HCO1, Box 88
29 Palms, Ca 92277

TO: ReDev, Inc.

DATE: February 11, 1992

SAMPLE: VICARS 91-1 (47'-335')

REFERENCE NO. Oxy leach 2/11/92

LAB TEST PERFORMED: Oxy leach + 1 hr pretreat with H.F. acid

AMOUNT TESTED: 100 Gr.

SAMPLE NO.	9 hour	12 hour					
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD	.234	.134					
PLATINUM	.099	.160					
PALLADIUM	.123	.140					
RHODIUM							
IRIDIUM							

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLES RECEIVED.

ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

SPECTRO LAB

Spectro Lab

FRANK VALENTI
CHIEF CHEMIST

HCO1, Box 88
29 Palms, Ca 92277

Spectro Lab

HCO1, Box 88
29 Palms, Ca 92277

TO: ReDev, Inc.

DATE: February 11, 1992

SAMPLE: VICARS 89-1 (105'-208')

REFERENCE NO. Oxy leach 2/11/92

LAB TEST PERFORMED: Oxy leach + 1 hr pretreat with H.F. acid

AMOUNT TESTED: 100 Gr

SAMPLE NO.	9 hr	12 hr					
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD	.204	.170					
PLATINUM	.134	.123					
PALLADIUM	.093	.088					
RHODIUM							
IRIDIUM							

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLES RECEIVED.

ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

SPECTRO LAB

Spectro Lab

FRANK VALENTI
CHIEF CHEMIST

HCO1, Box 88
29 Palms, Ca 92277

Spectro Lab

HCO1, Box 88
29 Palms, Ca 92277

TO: ReDev, Inc.

DATE: February 4, 1992

SAMPLE: VICARS 91-1 (47'-335') 89-1 (105'-208')

REFERENCE NO. 291 295

LAB TEST PERFORMED: Lead fusion

AMOUNT TESTED: 3Gr

SAMPLE NO.	291	295					
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER	.336	.590					
GOLD	.02	.015					
PLATINUM	-0-	.015					
PALLADIUM	-0-	.006					
RHODIUM							
IRIDIUM							

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLES RECEIVED.

ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

SPECTRO LAB

Spectro Lab
FRANK VALENTI
CHIEF CHEMIST

HCO1, Box 88
29 Palms, Ca 92277

54463 29PALMS HWY YUCCA VALLEY CAL 92284
 619 369 7321 FAX 619 362 5309



TO: Resource Development, Inc.

DATE: November 26, 1991

SAMPLE: NQ Core Vicars 91-1

REFERENCE NO. 310'-320'

LAB TEST PERFORMED: FA (MT)/Aqua Regia Digest of Button/AA Readout.

AMOUNT TESTED: 30 Gr

SAMPLE NO.	310'- 320'						
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD	.29						
PLATINUM	2.411						
PALLADIUM							
RHODIUM							
IRIDIUM							

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE
 SAMPLES RECEIVED.

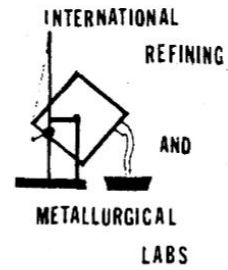
ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

INTERNATIONAL REFINING

FRANK VALENTI
 CHIEF CHEMIST



54463 29PALMS HWY YUCCA VALLEY CAL 92284
 619 369 7321 FAX 619 362 5309



TO: Resource Development, Inc

DATE: November 23, 1991

SAMPLE: Vicars-NQ Core-91-1

REFERENCE NO. 300'-310'

LAB TEST PERFORMED: FA(MT)/Aqua Regia Digest of Button/AA Readout

AMOUNT TESTED: 30 Gr

SAMPLE NO.	300'- 310'						
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD	.27						
PLATINUM	1.82						
PALLADIUM							
RHODIUM							
IRIDIUM							

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLES RECEIVED.

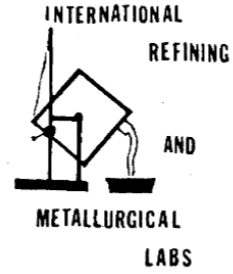
ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

INTERNATIONAL REFINING

FRANK VALENTI
 CHIEF CHEMIST



54463 29PALMS HWY YUCCA VALLEY CAL 92284
 619 369 7321 FAX 619 362 5309



TO: RESOURCE DEVELOPMENT

DATE: July 2, 1991

SAMPLE: VICARS Diamond Core (NQ)

REFERENCE NO. VICARS 47'-335'

LAB TEST PERFORMED: Fire Assay Std. flux (Florspar)
(Lime)

AMOUNT TESTED: 30 GR

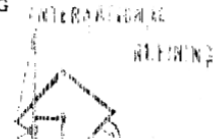
SAMPLE NO.	Flor-spar	Lime					
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD							
PLATINUM							
PALLADIUM							
RHODIUM							
IRIDIUM							
Total Bead	.980mg	1.412mg					

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTITIVE OF THE SAMPLES RECEIVED.

ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

INTERNATIONAL REFINING

Frank Valenti
 FRANK VALENTI
 CHIEF CHEMIST



54463 29PALMS HWY YUCCA VALLEY CAL 92284
619 369 7321 FAX 619 362 5309



TO: RESOURCE DEVELOPMENT, INC.

DATE: April 30, 1991

SAMPLE: VICARS 89-1 (105'-208' composite)

REFERENCE NO. 13791-1,-2,-3,-4

LAB TEST PERFORMED: Wet chemical analysis (nitric acid, Aqua Regia ext. for Au,Pt and NA (OH)2 fusion then HCL ext. of RH,IR

AMOUNT TESTED: 6 grams ore
(1/5 assay ton troy)

SAMPLE NO.	13791-1	13791-2	13791-3	13791-4			
	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON	TROY OZ/TON
SILVER							
GOLD	1.50						
PLATINUM			0.50				
PALLADIUM		3.50					
RHODIUM				combined			
IRIDIUM				RH & IR .50			

THE RESULTS OBTAINED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLES RECEIVED.

ALL SAMPLES LEFT OVER 30 DAYS WILL BE DISCARDED.

INTERNATIONAL REFINING

Frank Valenti
FRANK VALENTI
CHIEF CHEMIST



RESOURCE DEVELOPMENT, INC.

April 30, 1991

VICARS 89-1

Core material (composite) 105'-208'
1/5 assay ton



13791-2	PD	Nitric acid seperation .7x5=3.5 troy oz ton
13791-1	Au	Aqua Regia seperation .3x5=1.5 troy oz ton
13791-3	PT	Aqua Regia seperation .1x5=0.5 troy oz ton
13791-4	RH & IR (combined)	.5x5=0.5 troy oz ton

54463 29PALMS HWY YUCCA VALLEY CAL 92284
619 369 7321 FAX 619 362 5309

INTERNATIONAL REFINING

FIRE ASSAY 9/18/91

Button Reduced to Bead 1-6:1 Nitric 2-3:1 Nitric 3-1:1 Nitric

			Total	Button
GUS	Surface sample	1	9.156	.03 Au
		2	8.584	.13 Au
CHIEF	80' - 185' Composite	1	0.06	AA
		2	0.114	AA
STMP 91-1	60' - 350' Composite	1	1.992	AA
		2	1.66	.004 Au
PHIL	Surface	1	0.557	.23 Au/Pt
		2	1.18	AA
VICARS 91-1	47' - 335' Composite	1	0.662	.217 Au/Pt
			0.889	AA
RIB	30' - 290' Composite	1	Not weighed	.059 Au/Pt
		2	" "	.051 Au/Pt

Re Cupeled at High Heat to Drive Silver Down

INTERNATIONAL REFINING

7

DRILL LOG FOR: NQ DIAMOND DRILL HOLE VICARS 91-1

PROPERTY: VICARS #2 CLAIM

DATES DRILLED: APRIL 1991

DATE LOGGED: SEPT. 26, 1991

LOGGED BY: DR. WARREN GEIGER, GEOLOGIST

DRILL CONTRACTOR: NEWMAC INDUSTRIES LTD.

DIP: 90 DEGREE

DEPTH: 335 FT. (102M)

CORE SIZE: N Q

INTERVAL (FEET)	DESCRIPTION
0 - 20 FT. 0 - 6.1 M	OVERBURDEN
20 - 335 FT. 6.1 - 102.17 M	GRANODIORITE - MEDIUM TO COURSE GRAINED, PRIMARILY COMPOSED OF QUARTZ ORTHOCLASE, PLAGIOCLASLE AND HORM BLENDER , SOME BIOTITE
20 - 50 FT. 6.1 - 15.25 M	MINOR ALTERATION OF HORNBLLENDE TO CHLORITE, MAGNETITE AND SOME PYRITE IN HORNBLLENDE AREAS - (MINOR). 95% RECOVERY
50 - 90 FT. 15.25 - 27.45 M	INCREASED ALTERATION IN BLOTCHES AND ALONG FRACTURES. MORE CHLORITIZATION OF THE HORNBLLENDE. VERY FINE MAGNETITE AND PYRITE ASSOCIATED WITH MAFIC AREAS. CALCITE ALONG FRACTURES 95% RECOVERY
90 - 200 FT. 27.45 - 61.0 M	AS ABOVE - SERICITE ALSO APPEARS - ALTERED AND FRACTURED SECTIONS SEVERAL FEET LONG ALTERNATING WITH RELATIVELY UNALTERED SECTIONS. CALCITE ALONG FRACTURES. 95% RECOVERY
200 - 235 FT. 61.0 - 71.67 M	AS ABOVE - GENERALLY INCREASED ALTERATION, HEMATITE PRESENT ALONG SOME ALTERED FRACTURES. CALCITE ALONG FRACTURES. 90% RECOVERY
235 - 335 FT. 71.67 - 102.17 M	AS ABOVE - MUCH MORE FRACTURING AND MORE ALTERATION. CALCITE ALONG FRACTURES. 90% RECOVERY

Warren Geiger
 DR. WARREN GEIGER, GEOLOGIST
 SEAL

THIS 1 DAY OF October, 1991

DRILL LOG FOR: NQ DIAMOND DRILL HOLE VICARS 91-1
 PROPERTY: VICARS #2 CLAIM
 DATES DRILLED: APRIL 1991
 DATE LOGGED: SEPT. 26, 1991
 LOGGED BY: DR. WARREN GEIGER, GEOLOGIST
 DRILL CONTRACTOR: NEWMAC INDUSTRIES LTD.

The BARN Claim Group was acquired by online staking by the Author. See Page 3.

SUMMARY OF WORK DONE May 8-9, 2021

Prospecting was conducted on 1081661 on May 8-9, 2021. (Figure 4 Index - Work Areas). Exposed bedrock/outcrop was sampled within 1081661.

The author was on the BARN Claim Group in May 2021 to select rock samples from an area reported to contain significant Au values in granitic bedrock (AR22285, Mear, L. 1991, see Pg. 10 this report) within the Claim, and to determine if valuable mineralization is present and to understand the geology of the Property.

Nine (9) rock grab samples were taken from Tenure 1081661 to check for mineralization. Three (3) rock grab samples were assayed.

Considerable field time was spent attempting to identify the locations of the 1989 and 1991 diamond drill hole sites reported in AR 21245 and AR 22285.

No indications were found on the ground to verify any of the reported drill sites.

Two (2) field days were spent on the claim, 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.

May 8-9, 2021 WORK PROGRAM

Sampling Program - The author was on the BARN Claim Group in May 2021 to select rock samples from an area reported to contain significant Au values in granitic bedrock (AR22285, Mear, L. 1991, see Pg. 10 this report) within the Claim, and to determine if valuable mineralization is present and to understand the geology of the Property. Nine (9) rock grab samples were taken from Tenure 1081661 to check for mineralization. Three (3) grab samples were assayed.

Table I. Particulars of Grab Samples - ELLERBECK (2021) BARN

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION - OUTCROP
BI-1	0703471	5608642	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some large biotite, hornblende? Very hard. N-S strike Dip-20E. Massive
BI-2	0703492	5608610	Granodiorite? – medium to coarse grained. Pinkish. Primarily qtz some large biotite, hornblende? Very hard. N-S strike Dip-35E. Massive
BI-3 to lab	0701879	5608825	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Similar to BI-1. Iron staining. Primarily qtz some biotite, hornblende? Very hard. N-S strike Dip10W. Massive
BI-4	0701852	5608823	Granodiorite? Very different from BI-1,2,3. No Visible metal. Transition from zero “black” mineral to minor biotite-hornblende. “Eyes” of quartz? Clusters of qtz crystals/eyes. Slickenside. Dacite? Strike-Dip unknown. Massive. Slabs break off.
BI-5	0701758	5608896	Granodiorite? Different from BI-4. Medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some biotite, hornblende? large pieces. Very hard. N-S strike Dip10W?. Massive. Slabs break off.
BI-6	0702991	5608418	Similar to BI-2. Granodiorite? – medium to coarse grained. Pinkish. Primarily qtz some large biotite, hornblende? Very hard. No Visible metal. N20E-strike. Dip vertical
BI-7 to Lab	0702854	5608460	Granodiorite? Weathered-decomposed, possibly altered. Iron stained. Medium to coarse grained. White with Pinkish. Primarily qtz some large biotite, hornblende? No visible metal. Strike? Dip? shattered.
BI-8	0702460	5608696	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some large biotite, hornblende? Very hard. N-20-E strike Dip-30E. Massive
BI-9 to Lab	0702480	5608657	High qtz content. Qtz eyes. No Visible metal. Iron staining. Minor biotite/hornblende. Granodiorite? medium to coarse grained. Minor pink stain. Very hard. N20E strike Dip-vertical?. Massive outcrop

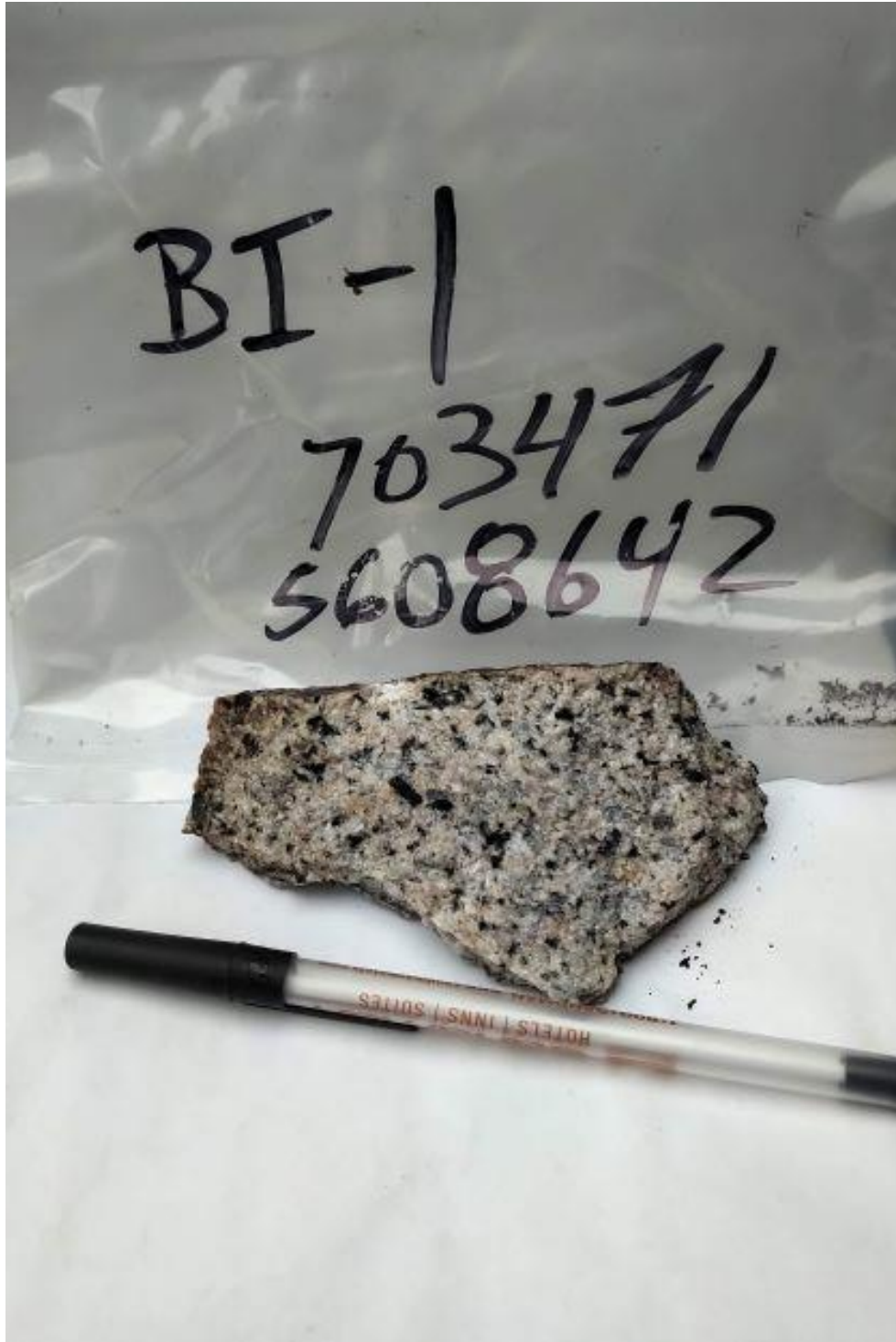
FIGURE 6

LOCATION AND TYPICAL ROCK PICTURES

BI-1 LOCATION AND TYPICAL ROCK PICTURE



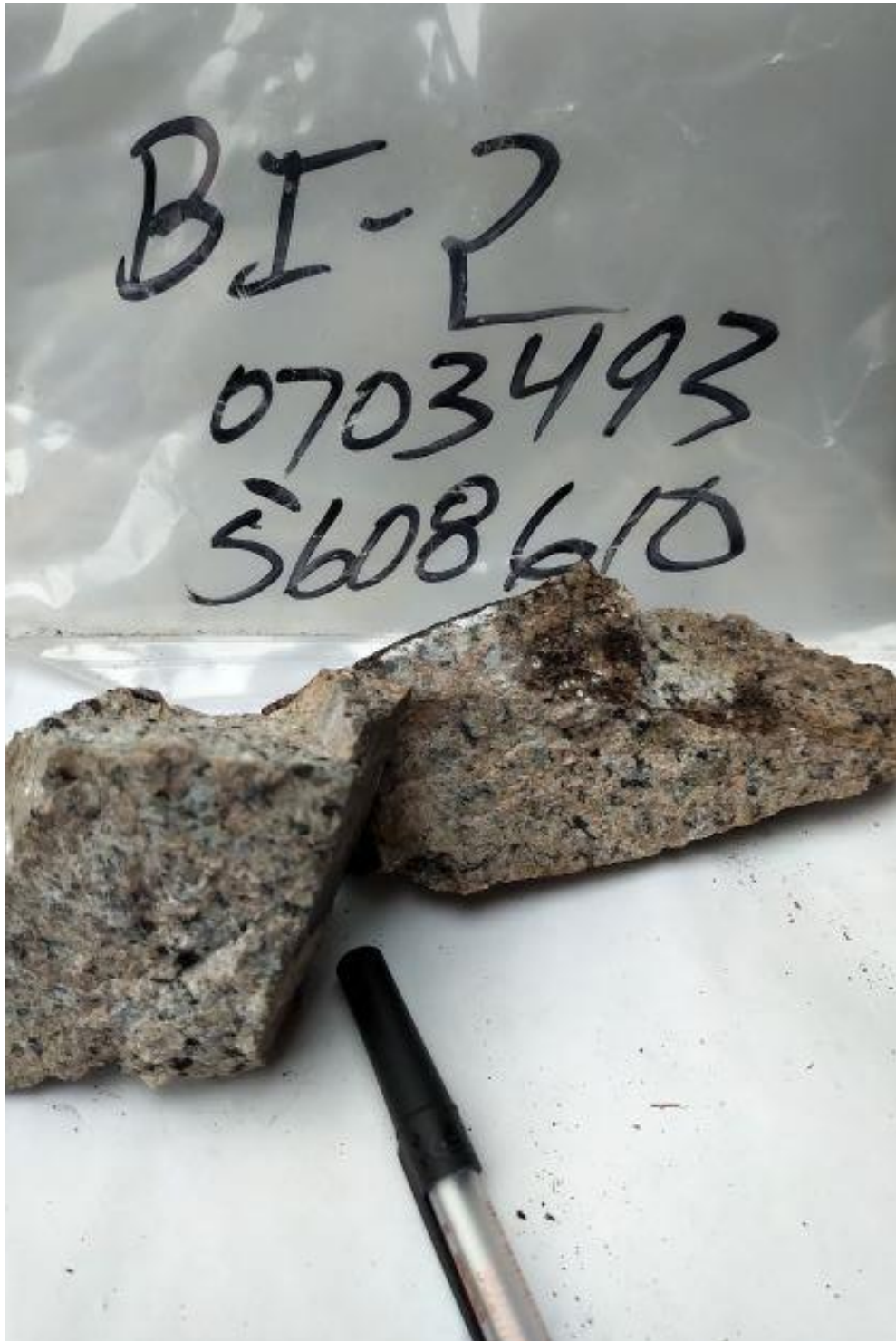
BI-1 LOCATION AND TYPICAL ROCK PICTURE



BI-2 LOCATION AND TYPICAL ROCK PICTURE



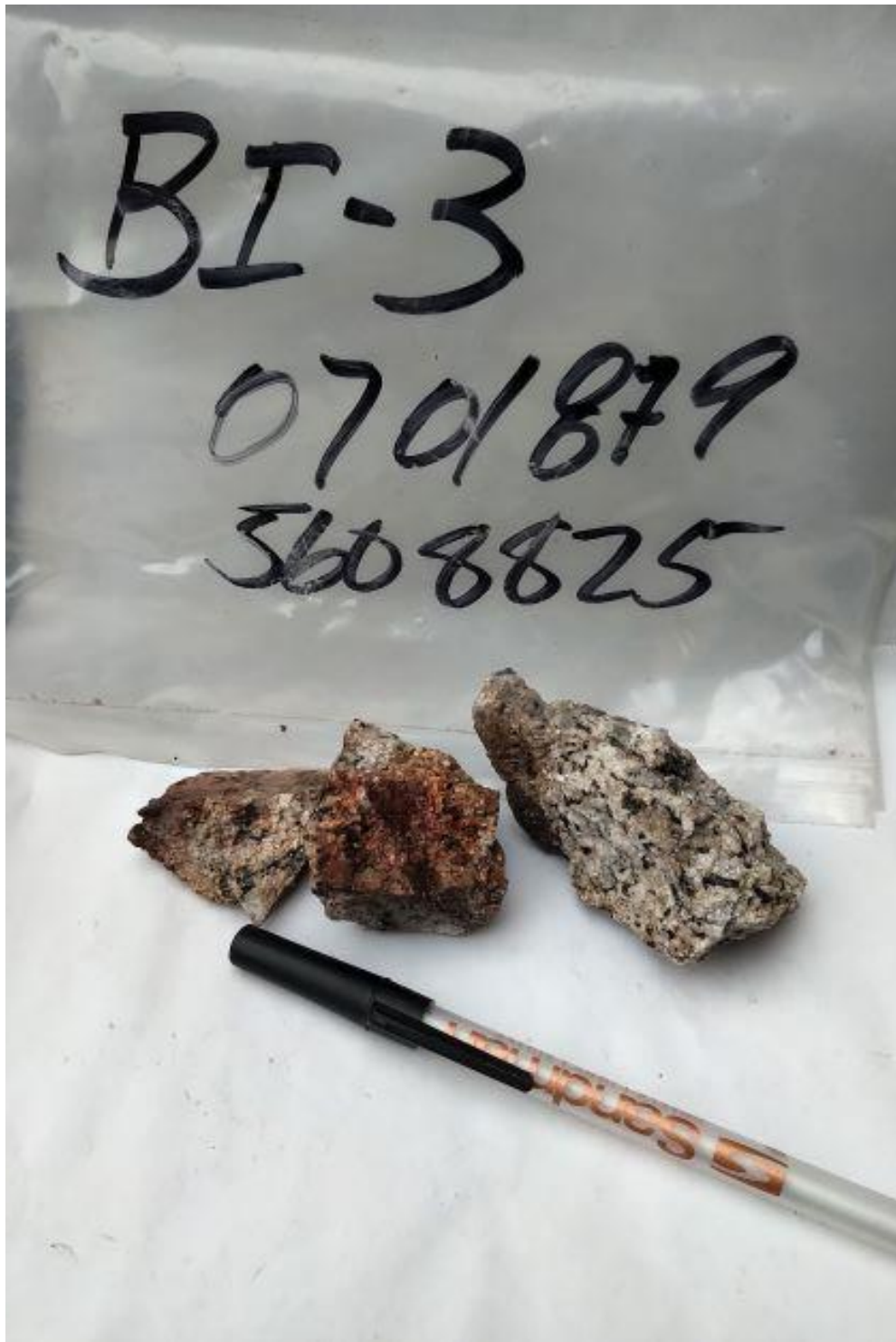
BI-2 LOCATION AND TYPICAL ROCK PICTURE



BI-3 LOCATION AND TYPICAL ROCK PICTURE



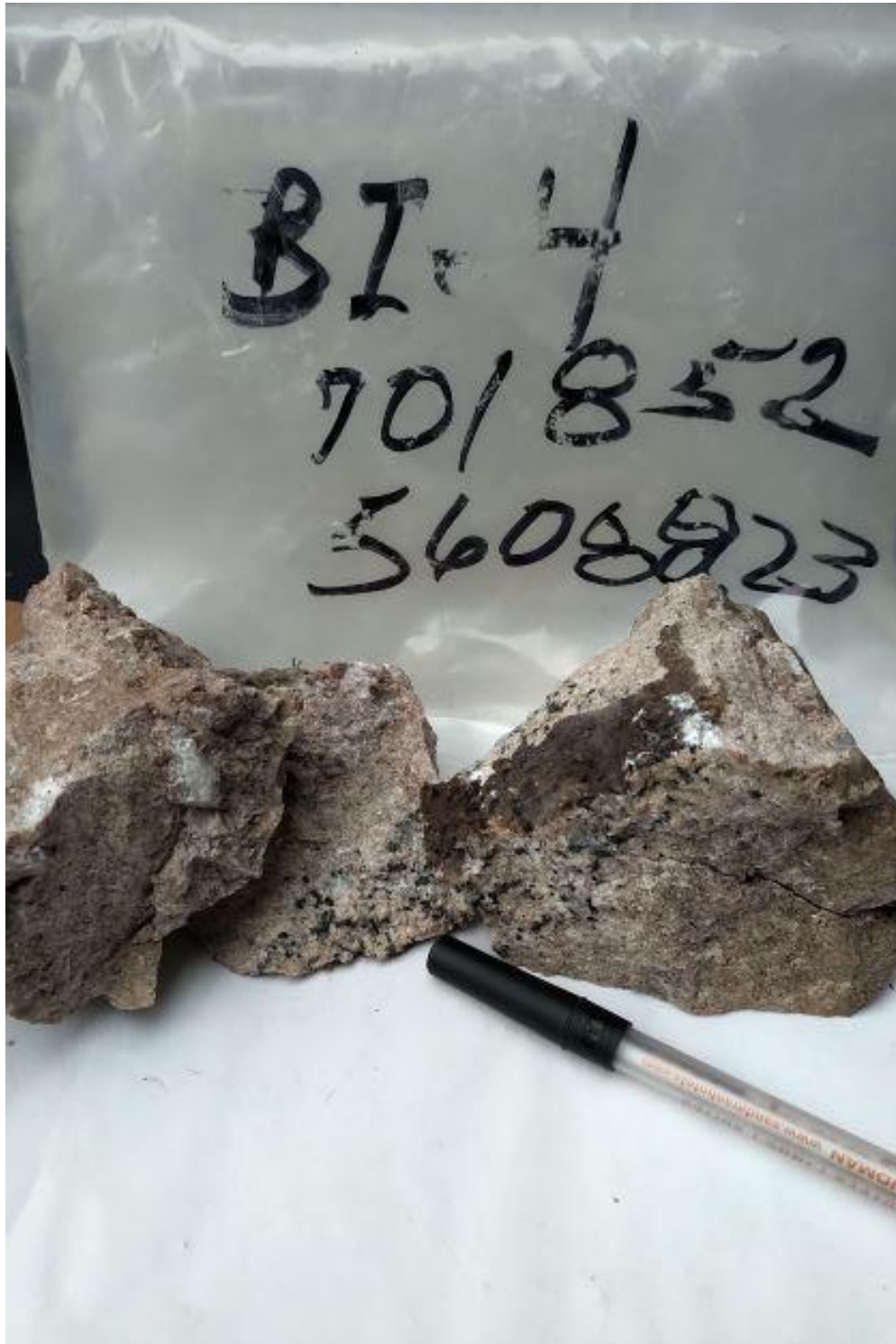
BI-3 LOCATION AND TYPICAL ROCK PICTURE to Lab



BI-4 LOCATION AND TYPICAL ROCK PICTURE



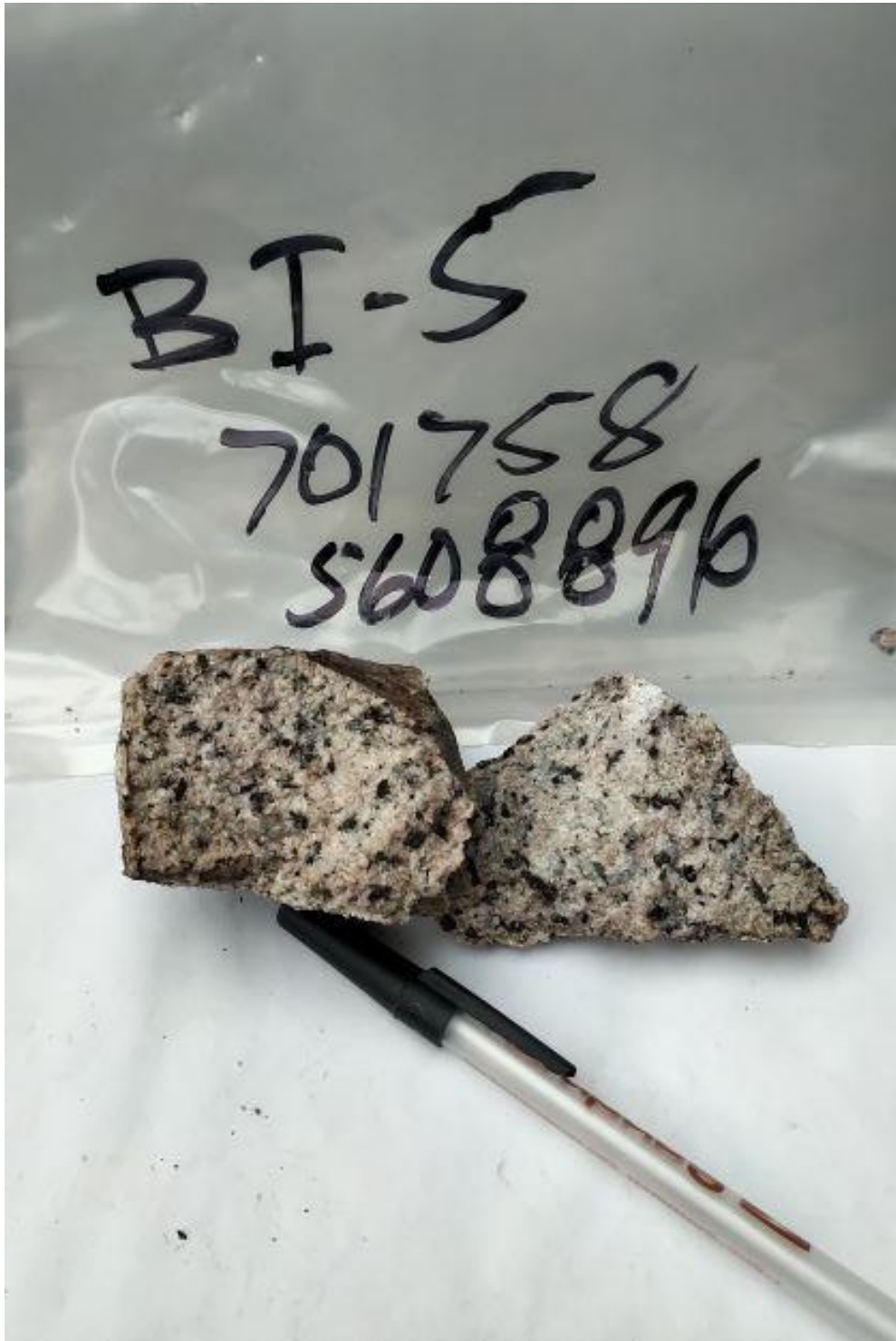
BI-4 LOCATION AND TYPICAL ROCK PICTURE



BI-5 LOCATION AND TYPICAL ROCK PICTURE



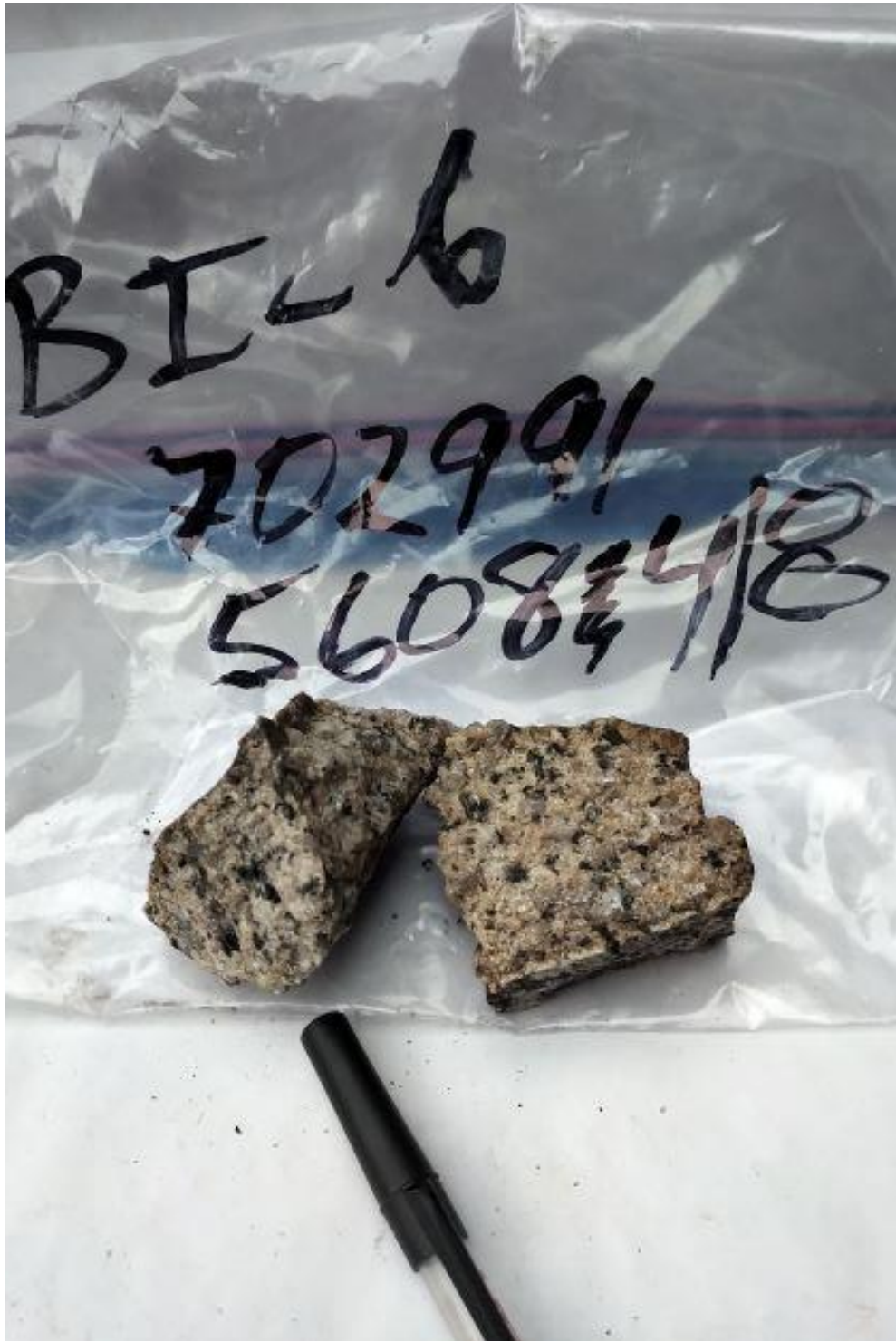
BI-5 LOCATION AND TYPICAL ROCK PICTURE



BI-6 LOCATION AND TYPICAL ROCK PICTURE



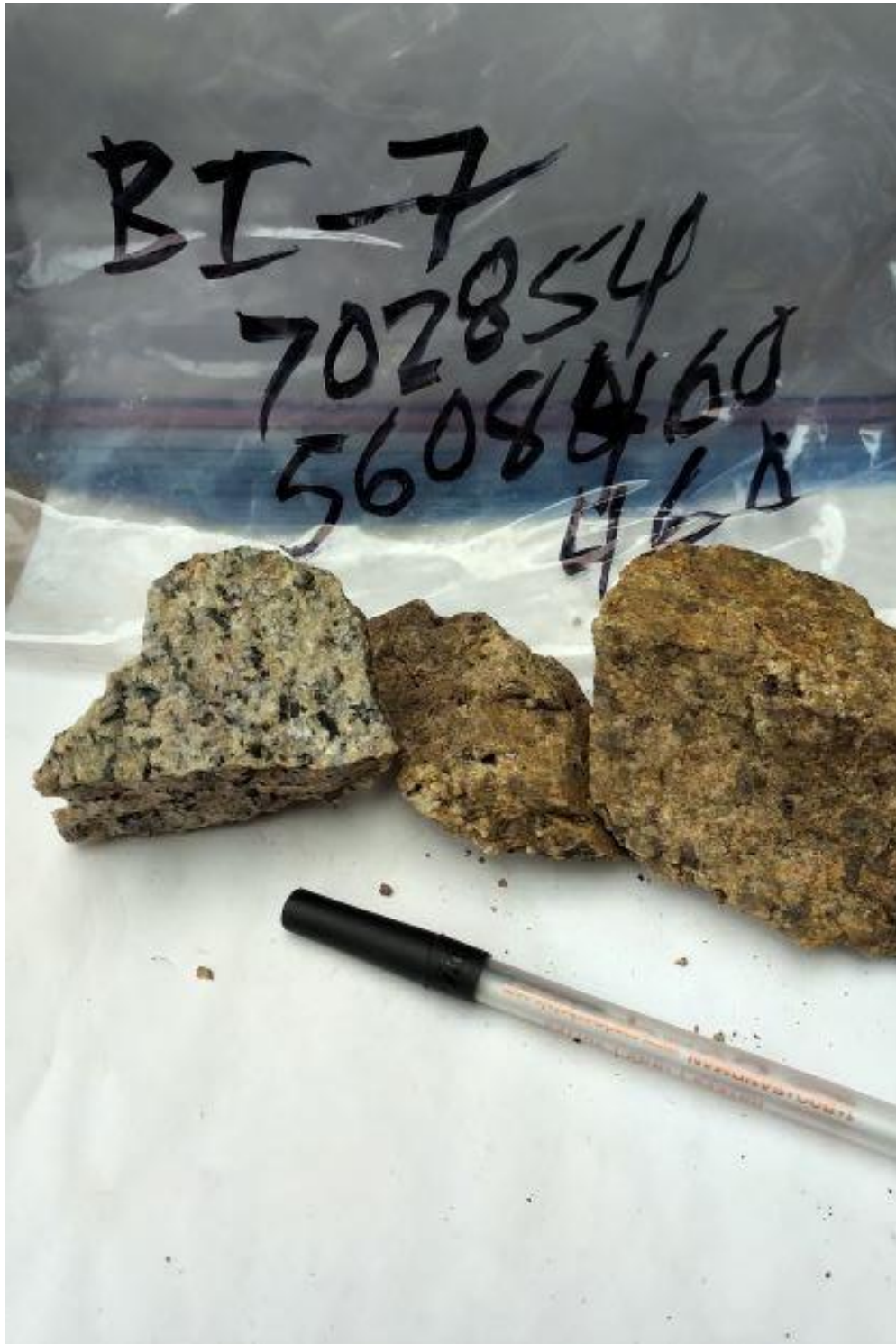
BI-6 LOCATION AND TYPICAL ROCK PICTURE



BI-7 LOCATION AND TYPICAL ROCK PICTURE



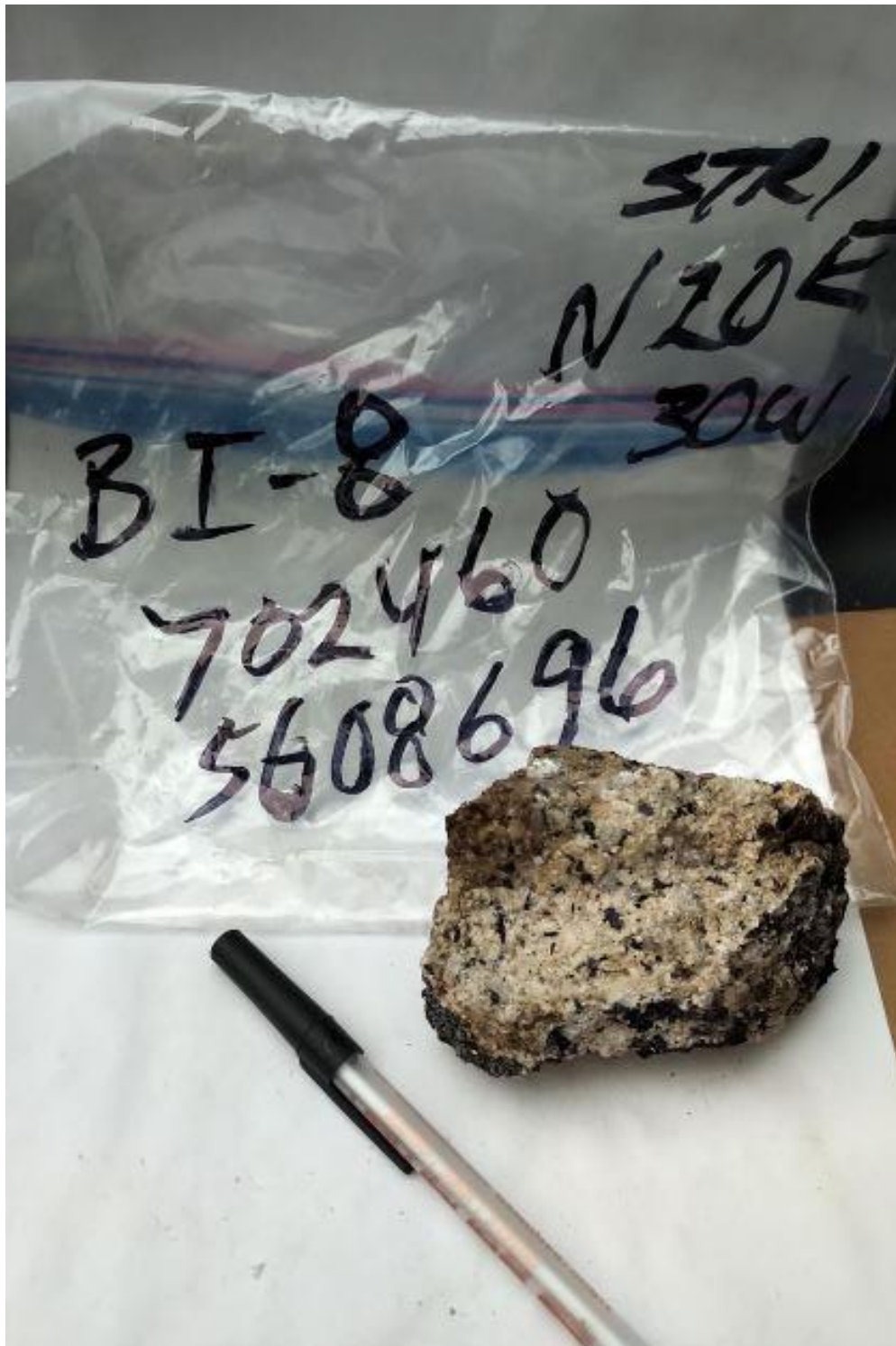
BI-7 LOCATION AND TYPICAL ROCK PICTURE – to Lab



BI-8 LOCATION AND TYPICAL ROCK PICTURE



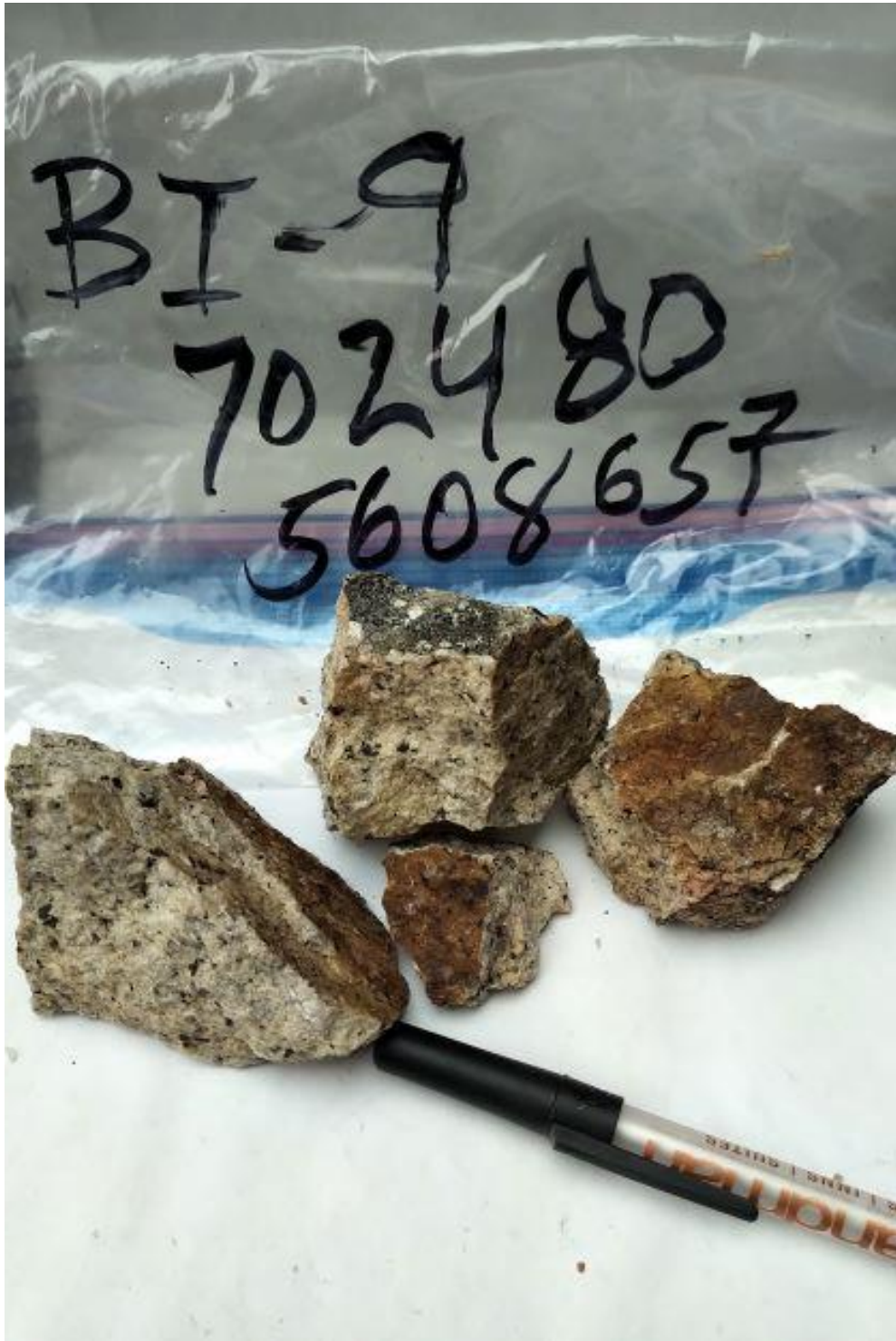
BI-8 LOCATION AND TYPICAL ROCK PICTURE



BI-9 LOCATION AND TYPICAL ROCK PICTURE – to Lab



BI-9 LOCATION AND TYPICAL ROCK PICTURE – to Lab



SUMMARY OF REGIONAL AND PROPERTY GEOLOGY

REGIONAL GEOLOGY

From AR08635, Sawyer Consultants, for T. Alexander, May 1979

GEOLOGY

The Carlin 2 (now BARN Claim Group) claim area is underlain by a mixed assemblage of Palaeozoic sediments of the Cache Creek group, younger intrusive rocks of presumed Cretaceous age, and Tertiary sediments and volcanic rocks of the Kamloops Group.

Cache Creek Group

Sediments of this unit underlie the greater part of the Carlin 2 claim area and include medium to dark coloured, fairly thin bedded argillite, with, in places, chert horizons, as well as some beds of a medium grained greywacke and minor limestone. All of the rocks of the Cache Creek group are highly fractured and brecciated.

Intrusive Rocks

The area is host to a number of igneous intrusions which are assumed to be part of the Cretaceous Coast Intrusions. Some of them may be Tertiary in age. A large granodiorite body, Horse Mountain batholith, lies immediately to the west however at this stage this intrusive does not appear to bear any relationship to the alteration and pyritization which is associated with the gold mineralization. Numerous dykes of feldspar porphyry cut the Cache Creek sediments and are generally associated with finely disseminated pyrite and minor pyrrhotite with attendant rusty limonitic weathering. One such dyke intrudes the Cache Creek sediments on the main hill area and is exposed in some of the trenches there. At this location this feldspar porphyry dyke is cut by numerous quartz stringers and veinlets and it is with these rocks that the gold mineralization appears to be associated. According to the later Copper Range Exploration workers a biotite feldspar porphyry intrusive outcrops one quarter mile north of the intersection of the BarnhartVale and Campbell Creek roads and contains fine grains of disseminated pyrite and pyrrhotite and small amounts of molybdenite however it does not exhibit any quartz stockwork.

A more massive intrusive of dioritic appearance outcrops along the main road at Barnhartvale.

It has a weathered appearance with the mafic minerals being chloritized but does not appear to include any extensive quartz veining, nor, as far as is known, to be associated with any gold mineralization.

Kamloops Group

Tranquille Beds - According to Purdy, of Copper Range Exploration Company Inc., beds of Tranquille conglomerate are exposed on the downthrown side of a north-northeast striking fault approximately 1800 feet east of Barnhart Vale.

This is an iron stained yellow to brown conglomerate with a sandy matrix enclosing pebbles and cobbles of feldspar porphyry and/or argillite which appear to be the host rocks of the gold mineralization.

Kamloops Group Volcanics

Rocks of this group, of Tertiary age, include flows of andesitic to basaltic composition and are the youngest rocks of this prospect area. They overlie the earlier rocks and outcrop to the east of the claim area.

LOCAL GEOLOGY

From Minfile 092INE128

The MOT property is located near the fault contact between argillites of the Upper Triassic Nicola Group and granodiorite of the Jurassic Wild Horse batholith. Nicola rocks are highly fractured and brecciated and in places veined with fine quartz stringers and segregations. Feldspar porphyry dikes, with fine pyrite and pyrrhotite, cut the argillites.

A 1988 diamond-drill hole (JAG 1-88) intersected highly fractured and brecciated argillite with local zones healed with quartz-carbonate. One of these zones analysed 8.6 grams per tonne gold over 1.5 metres. Another hole (JAG 4-88) intersected brecciated argillite cut by a pyritic feldspar porphyry dike containing quartz veinlets which analysed up to 1.6 grams per tonne gold (Assessment Report 17556).

About 500 metres northwest of the drilled area, on the north side of the road to Barnhart Vale, some outcrops of biotite feldspar porphyry contain small clots of molybdenite.

Trenching on the property suggests prospecting in the early 1900s but there are no known records of it. In 1971, regional prospecting by Copper Range Exploration Company, Inc. discovered anomalous copper-gold values in rocks and staked the Mot 9-30 claims. Follow-up work consisted of geological mapping and soil (71) and rock chip sampling. In 1973, geological mapping and soil sampling (61) was conducted by Copper Range Exploration Company, Inc. In 1975, the property was restaked by R.A. Dickenson who carried out a small sampling program. In 1979, the Carlin 2 claim was staked by R.A. Dickenson and in that year prospecting carried out on behalf of T. Alexander. In 1980-81, Vantex Resources Inc. optioned the property and carried out a program of soil sampling and VLF-EM surveys. In 1988, a program of 31.2 kilometres of VLF-EM and magnetometer surveys, geological mapping, 21.6 kilometres of grid establishment and six diamond-drill holes totalling 361.8 metres were completed on the Barn claim on behalf of Jaguar Equities Inc.

From AR08635, Sawyer Consultants, for T. Alexander, May 1979

MINERALIZATION

Actual sulphide mineralization observed on the ground is relatively minor in amount and is predominantly pyrite associated with the fractured porphyry intrusive and in places in adjacent Cache Creek rocks. Minor pyrrhotite and chalcopyrite also occur in places. From the sampling done by Copper Range Exploration and by Dickinson and McClaren the major zones of gold mineralization detected so far appear to be related quite specifically to these fractured pyritic zones, and are thus assumed to have a genetic relationship with the feldspar porphyry intrusions. There is some evidence to suggest also that there may have been some mechanical processes at work in localizing or concentrating the gold in fractures or fissures, thus chip sampling of surface may return values which are lower than true values.

Granite is composed mainly of [quartz](#) and [feldspar](#) with minor amounts of mica, amphiboles; mineral composition usually gives granite a red, pink, gray, or white color with dark mineral grains visible throughout the [rock](#).

Diorite coarse-grained [igneous rocks](#) - composition between [granite](#) and [basalt](#). Usually occurs as large intrusions, dikes, and sills within continental crust. Partial melting of the oceanic plate produces a basaltic magma that rises and intrudes the granitic rock of the continental plate. There, the basaltic magma mixes with granitic magmas or melts granitic rock as it ascends through the continental plate. This produces a melt that is intermediate in composition between basalt and granite. Diorite forms if this type of melt crystallizes below the surface.

Granodiorite is an intrusive rock, intermediate in composition **between diorite and granite**. Similar in appearance to diorite or granite, it has a higher quartz content than diorite, and a higher mafic mineral content than granite. Granodiorite is the plutonic equivalent of dacite.

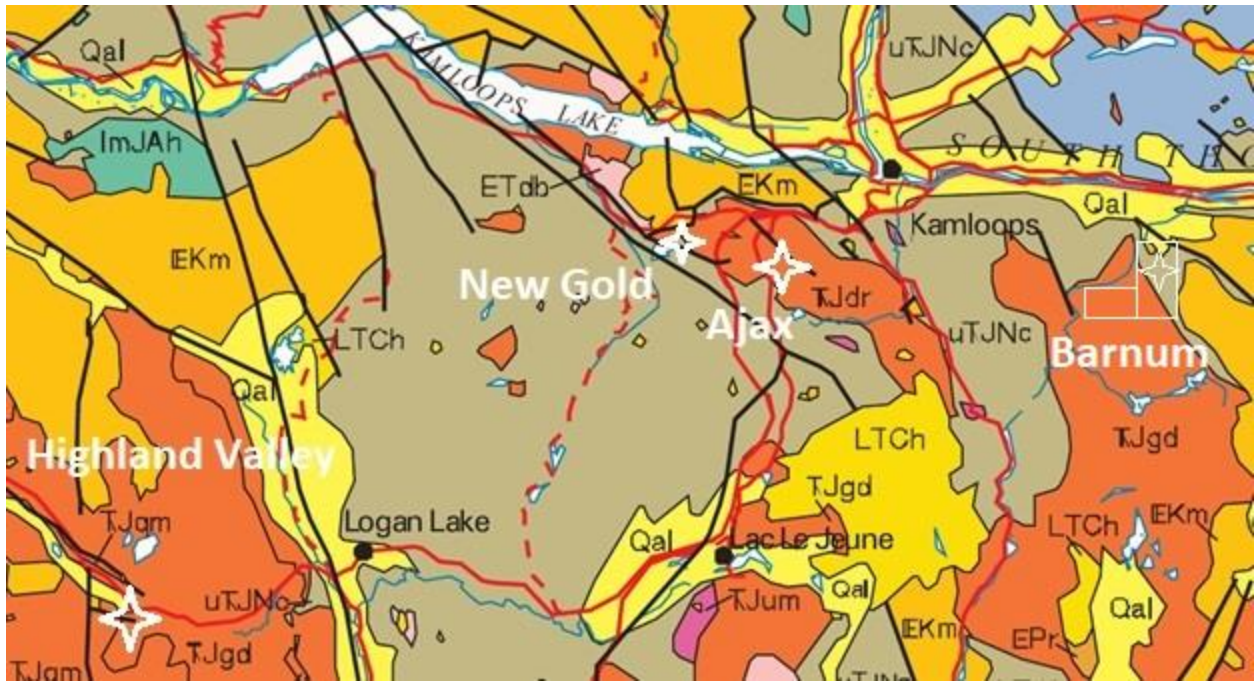
Dacite composition is intermediate between [rhyolite](#) and [andesite](#). Usually contains more [quartz](#) than andesite and more [plagioclase](#) than rhyolite. Dacite can be considered the fine-grained equivalent of granodiorite.

Biotite is a name used for a large group of **black mica minerals** that are commonly found in igneous and metamorphic rocks. ... Biotite is a rock-forming mineral found in a wide range of crystalline igneous rocks such as granite, diorite, gabbro, peridotite, and pegmatite.

Hornblende rock forming mineral, black, dark green, dark brown, $(Ca,Na)_{2-3}(Mg,Fe,Al)_5(Al,Si)_8O_{22}(OH,F)_2$

Plagioclase is the name of a group of [feldspar minerals](#) that form a solid solution series ranging from pure albite, $Na(AlSi_3O_8)$, to pure anorthite, $Ca(Al_2Si_2O_8)$. <https://geology.com/minerals/plagioclase.shtml>.

Orthoclase, or orthoclase feldspar $(KAlSi_3O_8)$, K-feldspar, tectosilicate mineral which forms igneous rock. Pink.



Scale 1:1,000,000

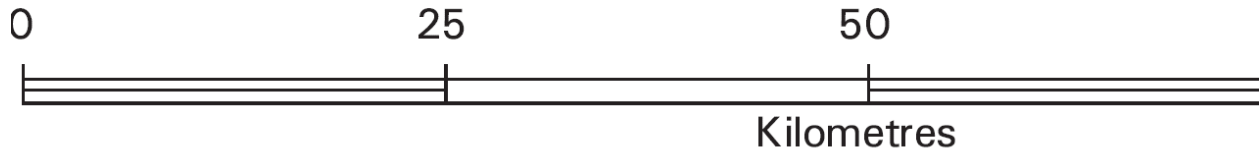


Figure 8 BARN CLAIM GROUP Local Geology



BARNUM Quarry/Pit Geology

Triassic to Jurassic

uTJNc

Nicola Group: Undifferentiated mafic to felsic flows and volcanoclastic rocks, including augite-phyric flows, tuffs and breccias; feldspathic sandstone and siltstone, argillite, shale, polymict conglomerate; minor limestone and calcareous siltstone.

CENOZOIC

Paleogene

EKm

Kamloops Group: Sandstone, conglomerate, shale, argillite, coal; basalt, andesite, dacite, trachyte, rhyolite, related tuffs and breccias.

MESOZOIC

TTr

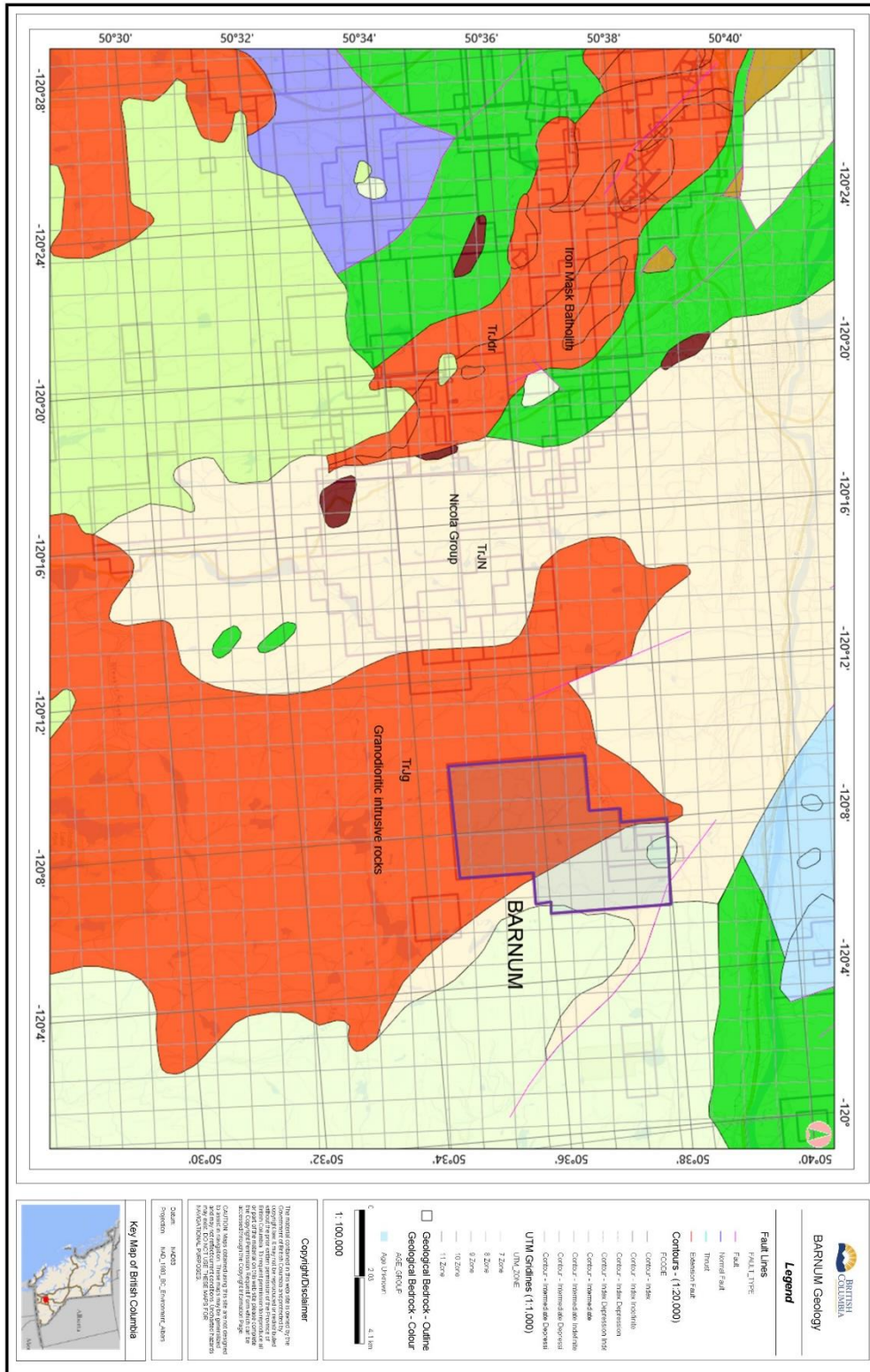
Triassic to Tertiary: diorite (dr), granodiorite (gd), quartz diorite (qd) and undifferentiated intrusive rocks (g).

TK

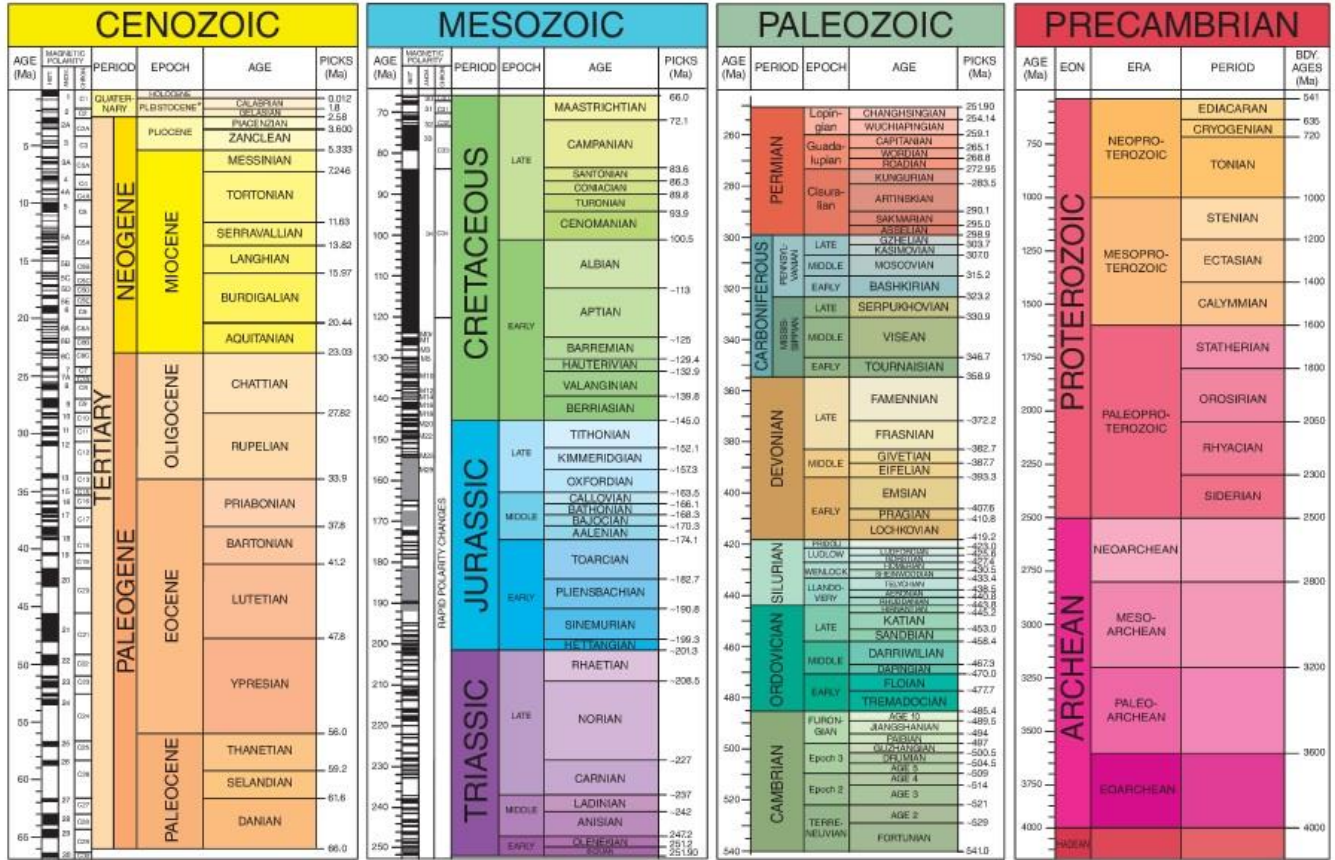
Triassic to Cretaceous: gabbro (gb) and granite (gr).

TJdg

Triassic to Jurassic: diorite (dr), monzodiorite (dg), gabbro (gb), granodiorite (gd), quartz diorite (qd), quartz monzonite (qm), syenite (sy), tonalite (to), quartz porphyry (qp), feldspar porphyry (fp) and undifferentiated intrusive rocks (g).



GSA GEOLOGIC TIME SCALE v. 5.0



Walker, J.D., Geissman, J.W., Browning, S.A., and Babcock, L.E., compilers, 2018, Geologic Time Scale v. 5.0: Geological Society of America, <https://doi.org/10.1130/2018.GT5005R3C>. ©2018 The Geological Society of America.
 *The Pleistocene is divided into four ages, but only two are shown here. What is shown as Calabrian is actually three ages—Calabrian from 1.80 to 0.781 Ma, Middle from 0.781 to 0.126 Ma, and Late from 0.126 to 0.0117 Ma.
 The Cenozoic, Mesozoic, and Paleozoic are the Eras of the Phanerozoic Eon. Names of units and age boundaries usually follow the Gradstein et al. (2012), Cohen et al. (2012), and Cohen et al. (2013, updated) compilations. Numerical age estimates and pickets of boundaries usually follow the Cohen et al. (2013, updated) compilation. The numbered epochs and ages of the Cambrian are provisional. A – before a numerical age estimate typically indicates an associated error of ±0.4 to over 1.6 Ma.
 REFERENCES CITED
 Cohen, K.M., Finney, S., and Gibbard, P.L., 2012, International Chronostratigraphic Chart: International Commission on Stratigraphy, www.stratigraphy.org (accessed May 2012). (Chart reproduced for the 34th International Geological Congress, Brisbane, Australia, 5–10 August 2012.)
 Cohen, K.M., Finney, S., Gibbard, P.L., and Fan, J.-X., 2013, The ICS International Chronostratigraphic Chart: Episodes v. 36, no. 3, p. 199–204 (updated 2017, v. 2, <http://www.stratigraphy.org/index.php/ics-chart-timescale>; accessed May 2018).
 Gradstein, F.M., Ogg, J.G., Schmitz, M.D., et al., 2012, The Geologic Time Scale 2012: Boston, USA, Elsevier, <https://doi.org/10.1016/B978-0-444-59425-9.00004-4>.
 Previous versions of the time scale and previously published papers about the time scale and its evolution are posted to <http://www.geosociety.org/mescale>.



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

Prospecting on the BARN Claim Group on May 8-9, 2021, confirmed the presence of rock types similar to those historically reported in the claim area. The writer did not locate historic diamond drill holes within the claim area (and associated drill core) that reportedly carried Au mineralization, so subsurface geology was not confirmed on the site visits.

Table I. Particulars - Grab Samples taken by ELLERBECK (2021) BARNUM

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION - OUTCROP
BI-1	0703471	5608642	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some large biotite, hornblende? Very hard. N-S strike Dip-20E. Massive
BI-2	0703492	5608610	Granodiorite? – medium to coarse grained. Pinkish. Primarily qtz some large biotite, hornblende? Very hard. N-S strike Dip-35E. Massive
BI-3 to lab	0701879	5608825	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Similar to BI-1. Iron staining. Primarily qtz some biotite, hornblende? Very hard. N-S strike Dip10W. Massive
BI-4	0701852	5608823	Granodiorite? Very different from BI-1,2,3. No Visible metal. Transition from zero “black” mineral to minor biotite-hornblende. “Eyes” of quartz? Clusters of qtz crystals/eyes. Slickenside. Dacite? Strike-Dip unknown. Massive. Slabs break off.
BI-5	0701758	5608896	Granodiorite? Different from BI-4. Medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some biotite, hornblende? large pieces. Very hard. N-S strike Dip10W?. Massive. Slabs break off.
BI-6	0702991	5608418	Similar to BI-2. Granodiorite? – medium to coarse grained. Pinkish. Primarily qtz some large biotite, hornblende? Very hard. No Visible metal. N20E-strike. Dip vertical
BI-7 to Lab	0702854	5608460	Granodiorite? Weathered-decomposed, possibly altered. Iron stained. Medium to coarse grained. White with Pinkish. Primarily qtz some large biotite, hornblende? No visible metal. Strike? Dip? shattered.
BI-8	0702460	5608696	Granodiorite? – medium to coarse grained. Light to white. Minor pink tinge. Primarily qtz some large biotite, hornblende? Very hard. N-20-E strike Dip-30E. Massive
BI-9 to Lab	0702480	5608657	High qtz content. Qtz eyes. No Visible metal. Iron staining. Minor biotite/hornblende. Granodiorite? medium to coarse grained. Minor pink stain. Very hard. N20E strike Dip-vertical?. Massive outcrop

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

Sample No.	Sample Type	Cu ppm	Pb ppm	Zn ppm	Au ppm	Ag ppm	Mo ppm
BI-3	Grab	2	3	45	<0.005	<0.2	<1
BI-7	Grab	2	<2	24	<0.005	<0.2	<1
BI-9	Grab	1	<2	14	<0.005	<0.2	<1

PURPOSE

In May 2021 a prospecting program was completed on Tenures 1081661 of the seven (7) claim BARNUM CLAIM GROUP. The purpose was to locate historic reported geological features (Au, Ag, Cu bearing structures) as well as to prospect for outcrops and showings of significance. Rock Sampling of the BARNUM Pit Area by the Author in 2016 and 2020 resulted in very encouraging Au assays. The Author wanted to examine and sample rocks from the southern portion of the BARNUM Claim Group to see if rock formations and mineralization similar to the BARNUM Pit area could be located. Report information was obtained from Selected References and from a May 8-9, 2021, property examination.

PROSPECTING RESULTS - Outcrops

All Samples confirmed historic local/property and regional geological mapping as to rock type. No significant mineralization was encountered visually or by assay results.

ASSAY RESULTS

No Elevated levels of Au,Ag,Cu,Pb,Zn,Mo were found.

INTERPRETATIONS AND CONCLUSIONS

Prospecting on the BARN Claim Group on May 8-9, 2021, confirmed the presence of rock types similar to those historically reported in the claim area.

The writer did not locate historic diamond drill holes within the claim area (and associated drill core) that reportedly carried Au mineralization, so subsurface geology was not confirmed on the site visits.

SUMMARY AND RECOMMENDATIONS

The May 2021 field program confirmed historic reported geology. No significant mineralization was discovered.

There are numerous reported mineral occurrences within the BARNUM property which have not been examined by the writer.

A continuing program to locate and sample those is recommended. There is detailed geological mapping of the area by previous Operators which needs to be relocated in the field.

The 2021 field program noted similarities of host rocks to historic references indicate that a careful examination of the BARN property 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 historic reported mineralization discovered on the BARNUM property.

ITEMIZED COST STATEMENT

Exploration Work type	BARNUM 2021	Days			Totals
PROSPECTING & EXPLORATION					
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Ken Ellerbeck / Owner	May 8, 2021	1	\$500.00	\$500.00	
Q. Ellerbeck / Helper	May 8, 2021	1	\$250.00	\$250.00	
Ken Ellerbeck / Owner	May 9, 2021	1	\$500.00	\$500.00	
Q. Ellerbeck / Helper	May 9, 2021	1	\$250.00	\$250.00	
				\$0.00	
				\$0.00	
				\$1,500.00	\$1,500.00
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	3.0	\$48.00	\$144.00	
				\$144.00	\$144.00
Transportation					
		No.	Rate	Subtotal	
KM Kamloops-Property-return	2 days travel	245.00	\$0.95	\$232.75	
KM SAMPLES TO LAB	October 29, 2021	50.00	\$0.95	\$47.50	
				\$0.00	
				\$280.25	\$280.25
Accommodation & Food					
	Rates per day				
Hotel			\$0.00	\$0.00	
Camp			\$0.00	\$0.00	
Meals	4 man-days @\$40/day	4.00	\$40.00	\$160.00	
				\$160.00	\$160.00
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00
Equipment Rentals					
Field Gear (Specify)			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00
Freight, rock samples					
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				\$0.00	\$0.00
TOTAL Expenditures					\$3,584.25

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

EMPR PF (Evaluation Report on the Barn Claim by A.F. Roberts. 1986 in Prospectus, Jaguar Equities Inc.)

BC Geological Survey, MEMPR, MINFILE No 092INE128
British Columbia Survey Branch, The Map Place.

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

Roberts, A.F., P.Eng., October 31, 1980 – AR 9881, Geochemical-Geophysical - Carlin 2 Claims, Vantex Resources Inc.,

Hopkins, D.E., B.A., P.Eng., AR3616, December 7, 1971, Geochemical Report, Copper Range.

Purdy C.P. P Eng., AR 4315, May 26, 1973, Geology and Geochemistry, Copper Range.

J B P Sawyer, P Eng., May 11 1976, Report on the Carlin 2 Claim Kamloops M D for United Mineral Services.

Mear, L., AR22285, March 1992, Report on Vicars 1,2,3,4. Diamond drilling, geological, metallurgical.

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

To: KEN ELLERBECK
 255 WEST BATTLE STREET
 KAMLOOPS BC V2C 1G8

ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 604 984 0221 Fax: +1 604 984 0218
 www.alsglobal.com/geochemistry

Page: 1
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 4-DEC-2021
 This copy reported on
 6-DEC-2021
 Account: ELLERK



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-AAZ3	Au 30g FA-AA Finish	AAS

CERTIFICATE KL21291801

Project: TIC

This report is for 9 samples of Rock submitted to our lab in Kamloops, BC, Canada on 27-OCT-2021.
 The following have access to data associated with this certificate:
 KEN ELLERBECK

Saa Traxler
 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 *****

SAMPLE PREPARATION AND METHOD OF ANALYSIS

To: KEN ELLERBECK
 255 WEST BATTLE STREET
 KAMLOOPS BC V2C 1G8

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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 4-DEC-2021
 Account: ELLERK

Project: TIC
 CERTIFICATE OF ANALYSIS KL21291801

CERTIFICATE COMMENTS	
<p>Applies to Method: CRU-31 PUL-QC</p> <p>Applies to Method: Au-AA23</p>	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada. CRU-QC LOG-22 PUL-21 WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23 ME-ICP41</p> <p>PUL-31</p>

APPENDIX 2 ASSAY RESULTS 1

To: KEN ELLERBECK
 255 WEST BATTLE STREET
 KAMLOOPS BC V2C 1G8

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Page: 2 - A
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 4-DEC-2021
 Account: ELLERK



Project: TIC

CERTIFICATE OF ANALYSIS		KL21291801													
Method Analyte Units LOD	WEL-21 Recvd Wt. kg	Au-A423 ppm	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cu ppm	Co ppm	Cr ppm	ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41 ME-ICP41	Fe %		
TIC-21-8	0.84	<0.005	<0.2	2.08	3	<10	30	<0.5	2	5.23	<0.5	22	78	39	3.10
TIC-21-10	2.09	<0.005	<0.2	0.21	10	10	60	<0.5	3	4.77	<0.5	53	246	9	4.35
TIC-21-11	1.62	0.005	<0.2	0.18	4	10	50	<0.5	<2	2.53	<0.5	49	248	12	4.21
BI-3	0.22	<0.005	<0.2	1.00	2	<10	90	<0.5	<2	0.52	<0.5	4	13	2	1.69
BI-7	0.43	<0.005	<0.2	0.61	<2	<10	150	<0.5	<2	0.26	<0.5	4	12	2	1.81
BI-9	0.24	<0.005	<0.2	0.38	<2	<10	70	<0.5	<2	0.18	<0.5	1	9	1	0.98
BSE-1	0.36	<0.005	<0.2	1.93	9	10	180	<0.5	<2	1.84	<0.5	11	6	11	3.99
BSE-2	0.48	0.008	<0.2	2.16	7	10	150	<0.5	<2	0.93	<0.5	11	6	8	4.54
BSE-3	0.72	<0.005	<0.2	1.95	8	10	170	<0.5	<2	1.00	<0.5	12	6	8	5.10

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

APPENDIX 2 ASSAY RESULTS 2

To: KEN ELLERBECK
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Project: TIC CERTIFICATE OF ANALYSIS KL21291801

Method Analyte Units LOD	ME-ICP41 Ca ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
TIC-21-8	10	<1	0.06	<10	1.74	789	<1	0.03	54	320	2	0.05	<2	6	37
TIC-21-10	<10	<1	0.13	<10	11.65	955	<1	<0.01	758	150	3	<0.01	5	11	265
TIC-21-11	<10	1	0.14	<10	12.60	760	<1	<0.01	591	260	3	<0.01	15	12	151
BI-3	<10	<1	0.12	10	0.56	408	<1	0.07	6	450	3	0.01	<2	2	54
BI-7	<10	<1	0.17	10	0.29	303	<1	0.07	4	370	<2	<0.01	<2	2	24
BI-9	<10	<1	0.09	10	0.13	166	<1	0.06	2	240	<2	<0.01	<2	1	18
BS5-1	10	1	0.16	10	0.92	740	2	0.07	4	980	7	0.01	<2	9	57
BS5-2	10	<1	0.11	10	1.84	679	1	0.10	3	890	3	0.01	<2	7	48
BS5-3	10	<1	0.16	10	1.61	947	1	0.08	3	990	4	0.01	<2	8	40

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

APPENDIX 2 ASSAY RESULTS 3

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Project: TIC

CERTIFICATE OF ANALYSIS KL21291801

Sample Description	Method Analyte Units LOD	ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
		Th ppm	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	As ppm	Se ppm	Ag ppm	Cd ppm
TIC-21-8		<20	0.25	<10	<10	82	<10	<10	<10	40	
TIC-21-10		<20	<0.01	<10	<10	54	<10	<10	<10	14	
TIC-21-11		<20	<0.01	<10	<10	49	<10	<10	<10	8	
BI-3		<20	0.08	<10	<10	27	<10	<10	<10	44	
BI-7		<20	0.07	<10	<10	34	<10	<10	<10	25	
BI-9		<20	0.03	<10	<10	19	<10	<10	<10	14	
855-1		<20	0.01	<10	<10	88	<10	<10	<10	104	
855-2		<20	0.01	<10	<10	86	<10	<10	<10	106	
855-3		<20	0.01	<10	<10	106	<10	<10	<10	106	

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