BC Geological Survey
Assessment Report
39177

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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:** $ 2,725.35

AUTHOR(S): KEN ELLERBECK **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2020

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): EVENT 5808735 JULY 30, 2020

PROPERTY NAME: BARN

CLAIM NAME(S) (on which the work was done): BARNUM-1038694, PT-1042882

COMMODITIES SOUGHT: Au Ag Cu

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

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

LATITUDE: 50 ° 37 '37 " **LONGITUDE:** 120 ° 7 '23 " **(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, UPPER TRIASSIC -NICOLA, JURASSIC-WILD HORSE INTRUSION. Metasedimentary - Disseminated, Vein, Porphyry, Hydrothermal, Epigenetic - Pyrite, Pyrrhotite, Molybdenite - Quartz, Carbonate minor

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)	200m X 200m	1038694 1042882	$2,725.35
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:	$2,725.35

KEN ELLERBECK

(Owner & Operator)

TECHNICAL EXPLORATION REPORT

(Event # 5808735)
on

PROSPECTING and EXPLORING

Work done on

Tenures 1038694 1042882

of the 6 Claim

BARN CLAIM GROUP

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

Centre of Work
UTM 10 0703370E 5612511N

AUTHOR **KEN ELLERBECK, PMP**

REPORT SUBMITTED August 10, 2020

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ILLUSTRATIONS

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INTRODUCTION

PURPOSE

In July 2020 a prospecting program was completed on Tenures 1038694 and 1042882of the six (6) claim BARN (BARNUM) CLAIM GROUP. The purpose was to locate, if possible, historic reported geological features (Au, Ag, Cu bearing structures) as well as to prospect for outcrops and showings of significance. Since the 2016 sampling of the Pit Area, the quarry/pit where the 2016 samples were taken has been both enlarged N-S and E-W as well as deepened. The bench sampled in 2020 is at least 2-4 metres lower than the 2016 bench level. Results of rock samples taken in the 2016 sampling were very encouraging. Thus a 2020 sampling program was warranted to check for mineralization continuity going deeper in the Pit area. Report information was obtained from Selected References and from a July 18, 2020 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 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 699 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 is a reliable source of experienced and reliable exploration and mining personnel and mining related equipment.

PROPERTY DESCRIPTION BARN Claim Group

Tenure Number ID	Claim Name	Tenure Type Description	Good to Date	Area in Hectares	Owner Name
1038694	BARNUM	Mineral	12/31/2029	20.499	ELLERBECK, KENNETH CECIL
1042882	PT	Mineral	12/31/2029	20.5008	ELLERBECK, KENNETH CECIL
1062610	BARNUM SOUTH	Mineral	12/31/2029	41.0052	ELLERBECK, KENNETH CECIL
1076834	BARN EAST	Mineral	12/31/2029	102.5111	ELLERBECK, KENNETH CECIL
1076930	BARN EE	Mineral	12/31/2029	82.007	ELLERBECK, KENNETH CECIL
1077106	BARN WEST	Mineral	8/31/2023	40.9997	ELLERBECK, KENNETH CECIL

Total Area: 307.5228 ha

Figure 1 LOCATION MAP from MTO Mapbuilder

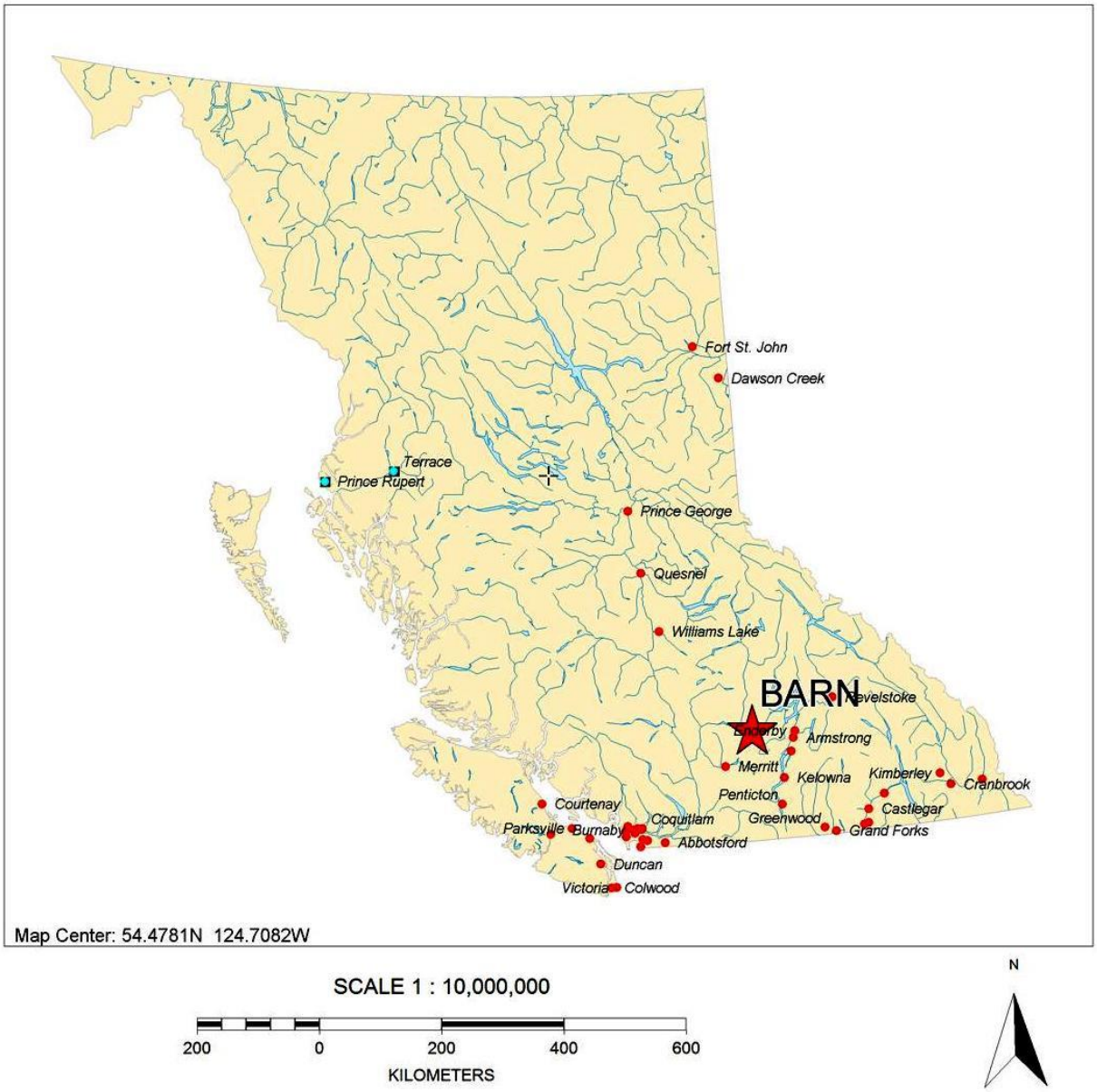


Figure 2 CLAIM LOCATION MAP (Base Map GOOGLE EARTH)

Figure 3 Regional Location Map (Base Map GOOGLE EARTH)

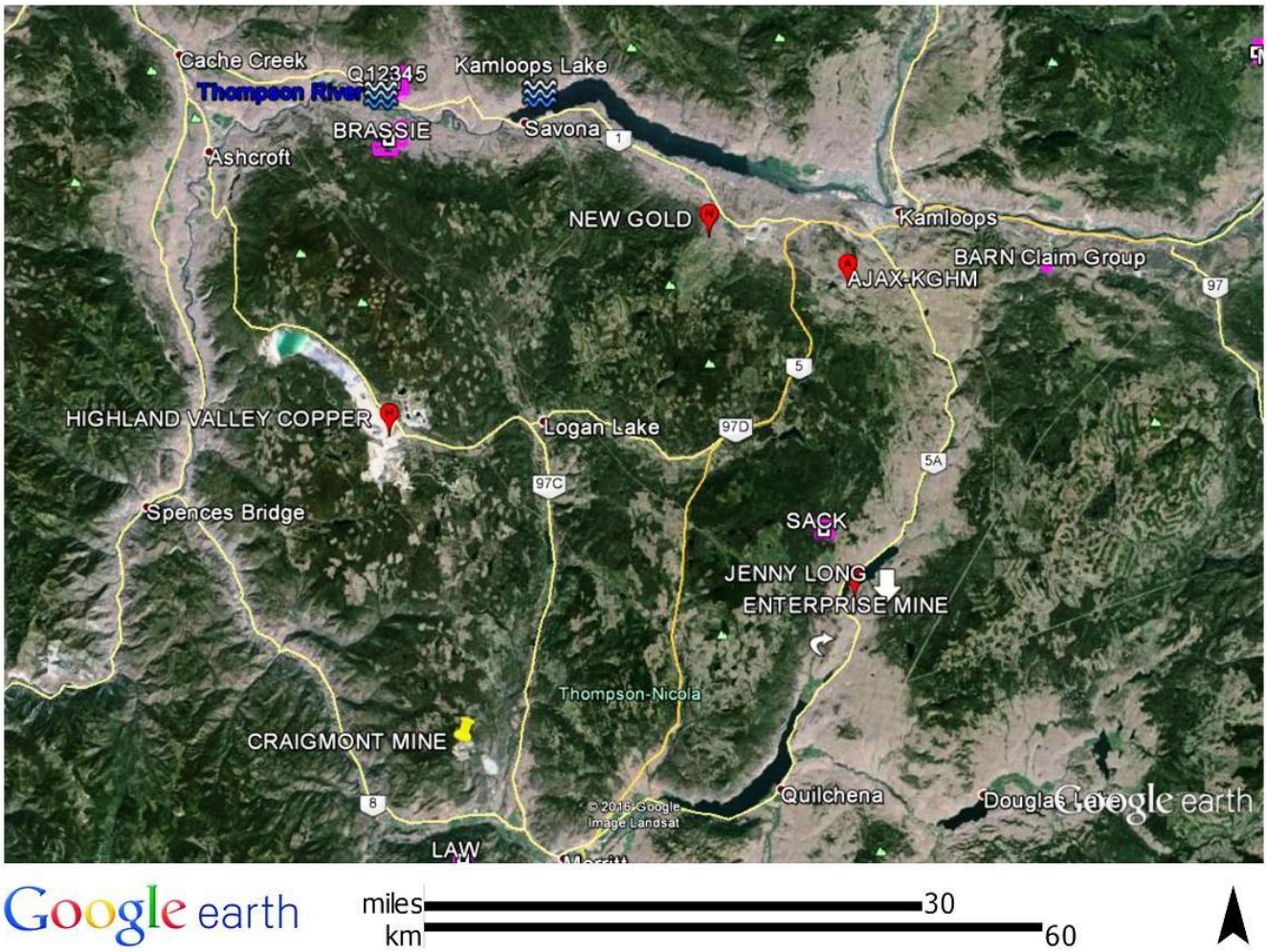
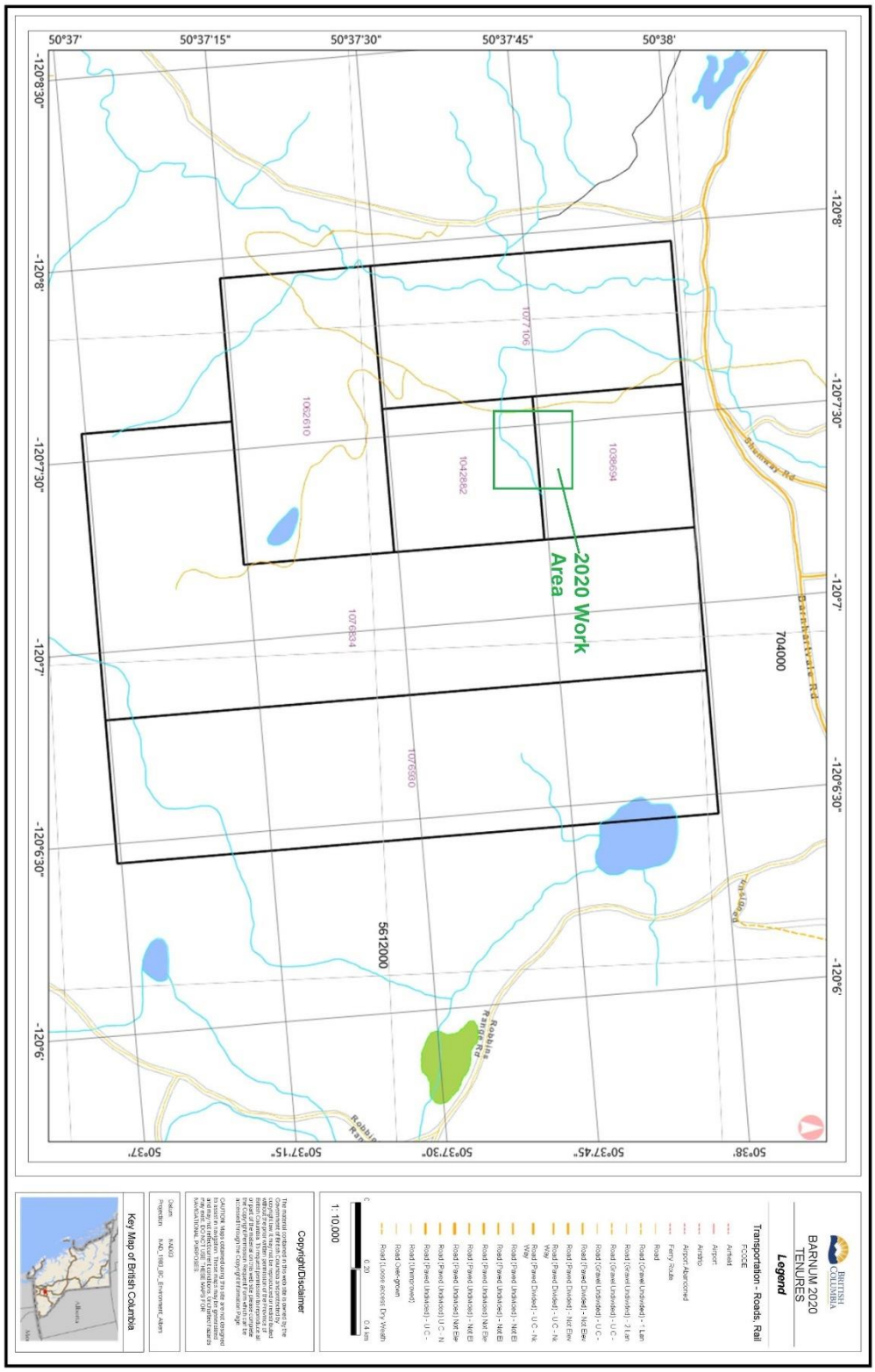


Figure 4 Claim Map and Index Map



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.
The BARN Claim Group was acquired by online staking by the Author and Current Owner as follows:

1038694	BARNUM	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	9/20/2015
1042882	PT	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	3/16/2016
1062610	BARNUM SOUTH	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	8/26/2018
1076834	BARN EAST	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	6/19/2020
1076930	BARN EE	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	6/24/2020
1077106	BARN WEST	Mineral	C	CLAIM	MCX	Mineral Cell Title Submission	7/7/2020

See Page 3 of this report for Tenure list.

SUMMARY OF WORK DONE JULY 18, 2020

Prospecting was conducted on 1038694 and 1042882 areas on July 18, 2020. (Figure 4 Index - Work Areas). Newly exposed bedrock/outcrop was sampled within 1038694 and 1042882. One (1) field day was 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.

Figure 5 Sample Location Area Map 1038694, 1042882 re 2020

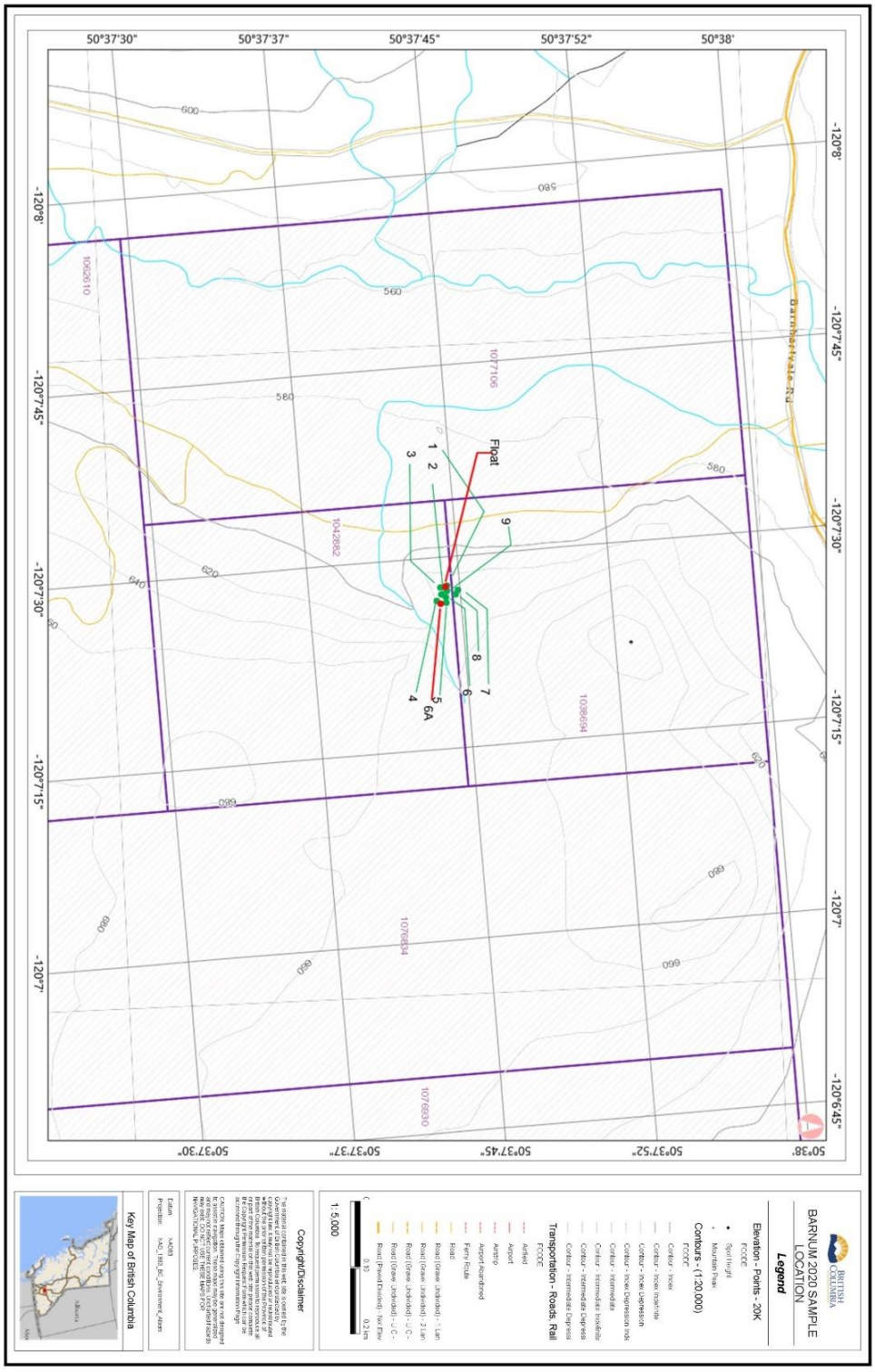
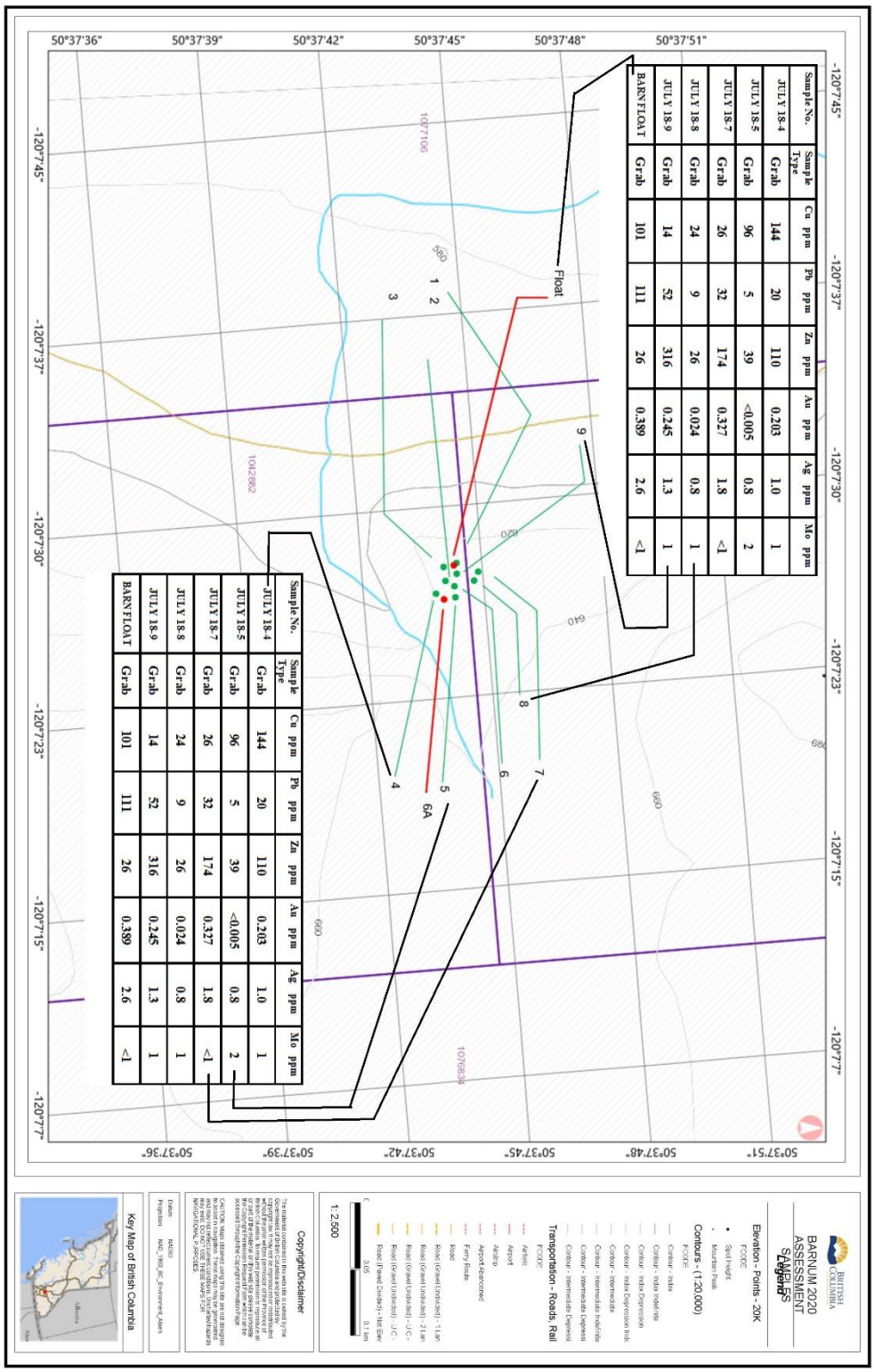


Figure 5 Sample Location Area Map 1038694, 1042882 re 2020



July 18, 2020 WORK PROGRAM

Sampling Program - The author was on the BARN Claim Group in July 2020 to select rock samples from a newly expanded quarry lying within the Claim to determine if valuable mineralization is present and to understand the geology on the Property. Eleven (11) rock grab samples were taken from Tenure 1038694 and 1042882 to check for possible mineralization within the claim group. Six (6) grab samples were submitted for assay.

Table I. **Particulars of Grab Samples - ELLERBECK (2020) BARN**

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION - OUTCROP
JUL 18-1	0703370	5612511	Highly altered feldspar dike – white amygdules. Iron staining in veinlets – visible metal.pyrite.Bornite?Chalcopyrite.Highly siliceous. Sulphide veinlet with qtz.Metal throughout and in qtz veinlets.N-SstrikeDip-vertical
JULY 18-2	0703364	5612530	Quartz vein – 10-15cm wide.Visible metal in veinlets and fractures.Pyhrotite?Iron staining.Highly siliceous host with amygdules-altered.Strike N20W. Dip vertical
JULY 18-3	0703373	5612512	Highly Altered feldspar porphyry dyke. Amygdules.Qtz vein 1cm.Diorite colouring/texture inclusion. Visible metal-Chalcopyrite/bornite. Iron in fractures.Dark qurtz within gray quartz. Metal throughout and in qtz veinlets.Multiple veinlets-dark qtz veinlets in white qtz..NstrikeDip90
JULY 18-4	0703392	5612498	Highly Altered and fractured feldspar dike-similar to Old Pit about 300m to North.Rust stain.Quartz veins-sheets-1-2cm wide.Qtz crystals.Visible metal.Hematite?Black Argillite host rock?.Altered diorite within quartz. North strike-dip vertical
JULY 18-5	0703390	5612504	Highly altered and siliceous Dike cut by quartz veins/veinlets. Multiple fractures/crossing-multiple events-qtz.Visible metal-Chalcopyrite in fractures with qtz.Similar to Old Pit rocks.N-S strike-Dip vertical
JULY 18-6	0703386	5612510	Quartz veins 1-2cm in highly altered, siliceous argillite and feldspar porphyry dike-breccia? Hard. Rust..Mottled appearance.Visible metal in qtz veinlets/flooding.N20E-strike. Dip vertical
JULY 18-6A	0703394	5612500	Highly altered breccia – dike/argillite.Heavy rust staining. Hard, brittle. Highly siliceous, fractured.Qtz flooding in fractures, qtz veins, No visible metal. Similar to Old Pit area rocks.
JULY 18-7	0703376	5612530	Highly Silicified feldspar dyke, iron staining. sulphides in fractures. Breccia with black argillite chunks.Diorite inclusion?Qtz amydules. N25Wstrike.Dip vertical
JULY 18-8	0703380	5612528	Highly altered breccia.Rusty.Visible metal.Black argillite chunks.Brittle. Highly siliceous.Diorite inclusion possible?
JULY 18-9	0703375	5612508	Quartz vein-4-7.5 cm wide.Strike N25W dip90. Visible metal in host and quartz contact.Dark qtz carries metal.. Highly altered host dike-feldspar porphyry and argillite. Rusty
FLOAT	0703370	5612511	Gray feldspar porphyry dike. Very hard. Highly siliceous. Quartz flood-swarm-veins-veinlets. Visible metal. Iron staining. Chalcopyrite. Bornite

FIGURE 6 **LOCATION AND TYPICAL ROCK PICTURES**

Pic 1 PIT

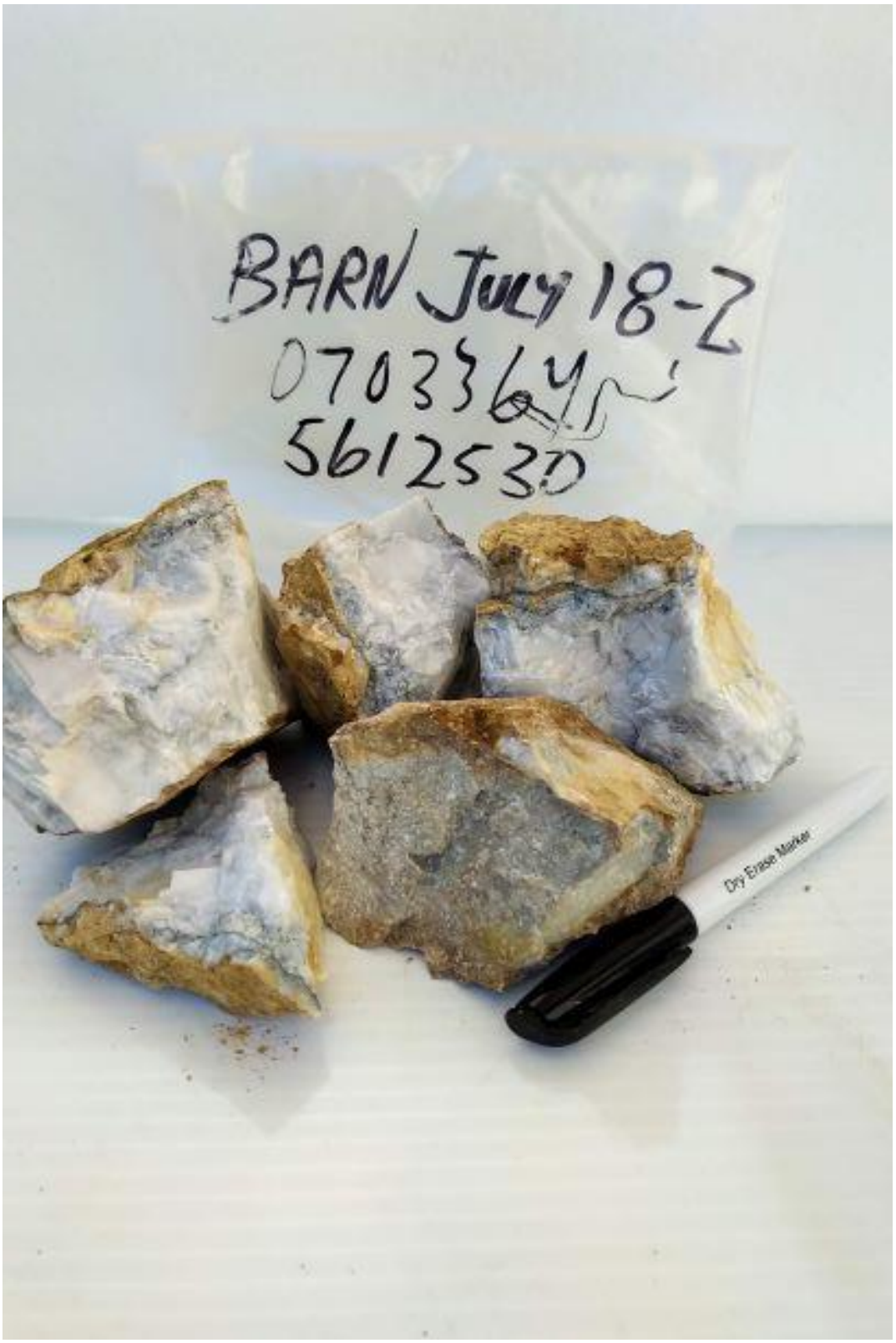
PIC 2 PIT

1 LOCATION AND TYPICAL ROCK PICTURE

1 LOCATION AND TYPICAL ROCK PICTURE

2 LOCATION AND TYPICAL ROCK PICTURE

2 LOCATION AND TYPICAL ROCK PICTURE



3 LOCATION AND TYPICAL ROCK PICTURE

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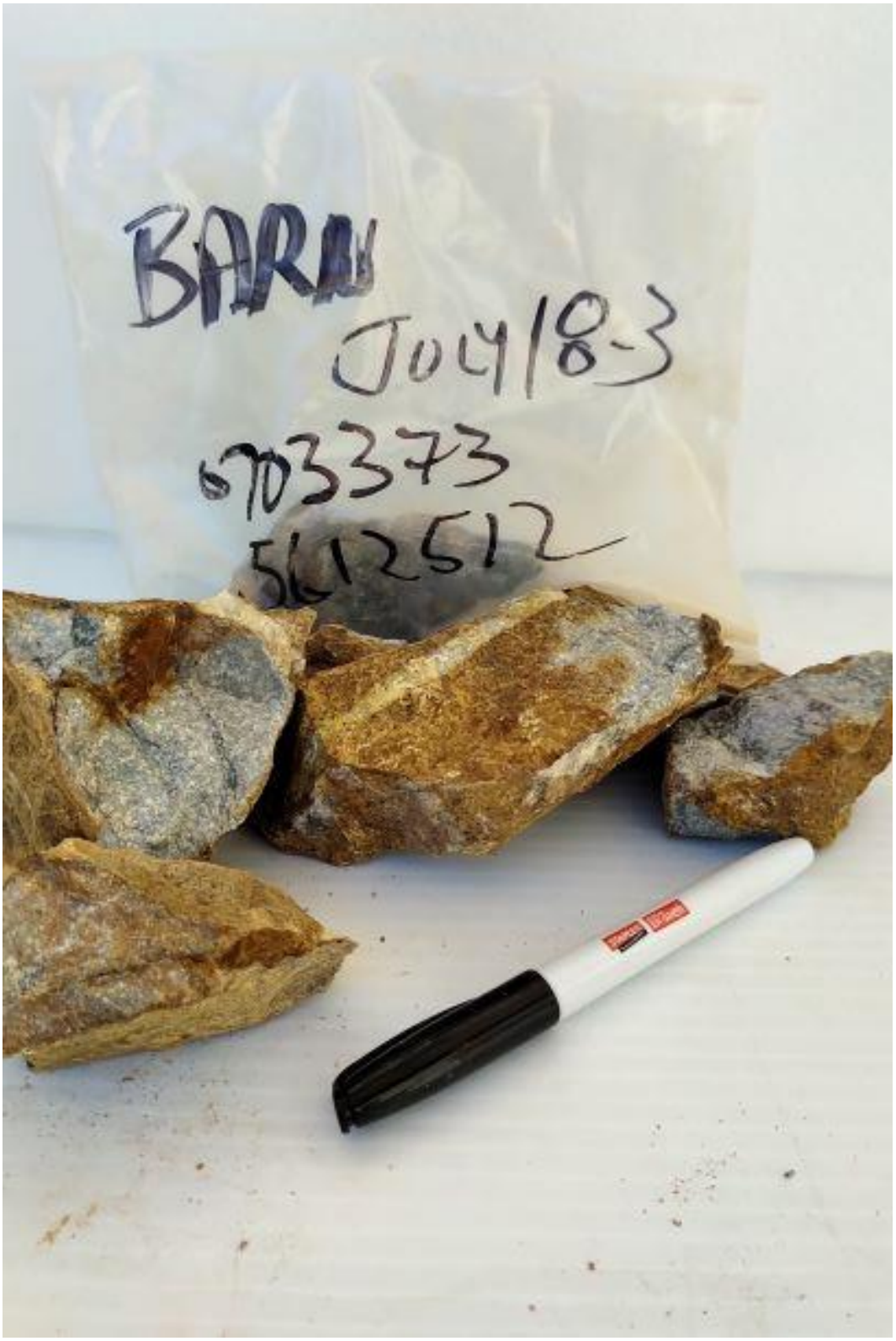
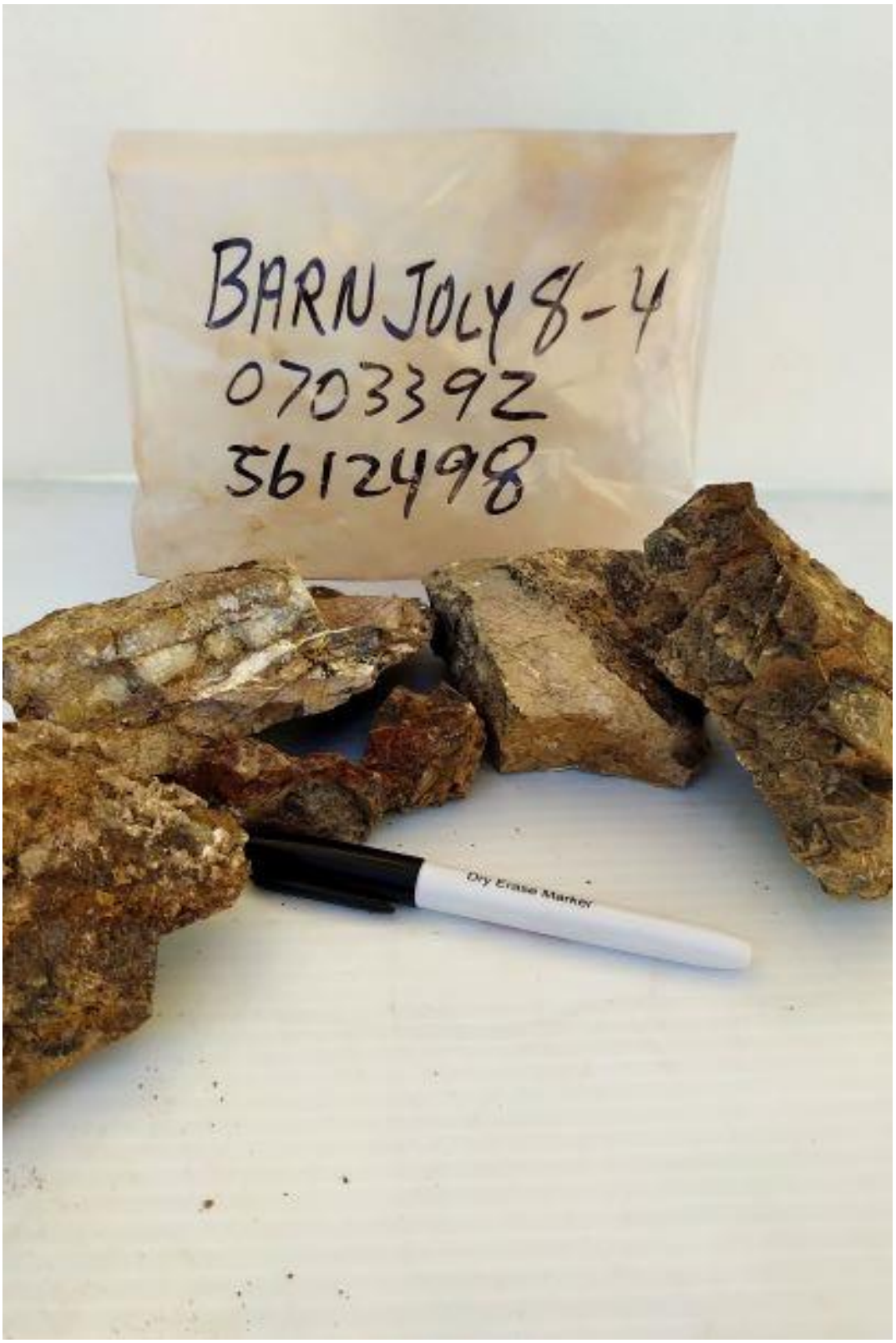


4 LOCATION AND TYPICAL ROCK PICTURE – to Lab

4 LOCATION AND TYPICAL ROCK PICTURE – to Lab



5 LOCATION AND TYPICAL ROCK PICTURE – to Lab

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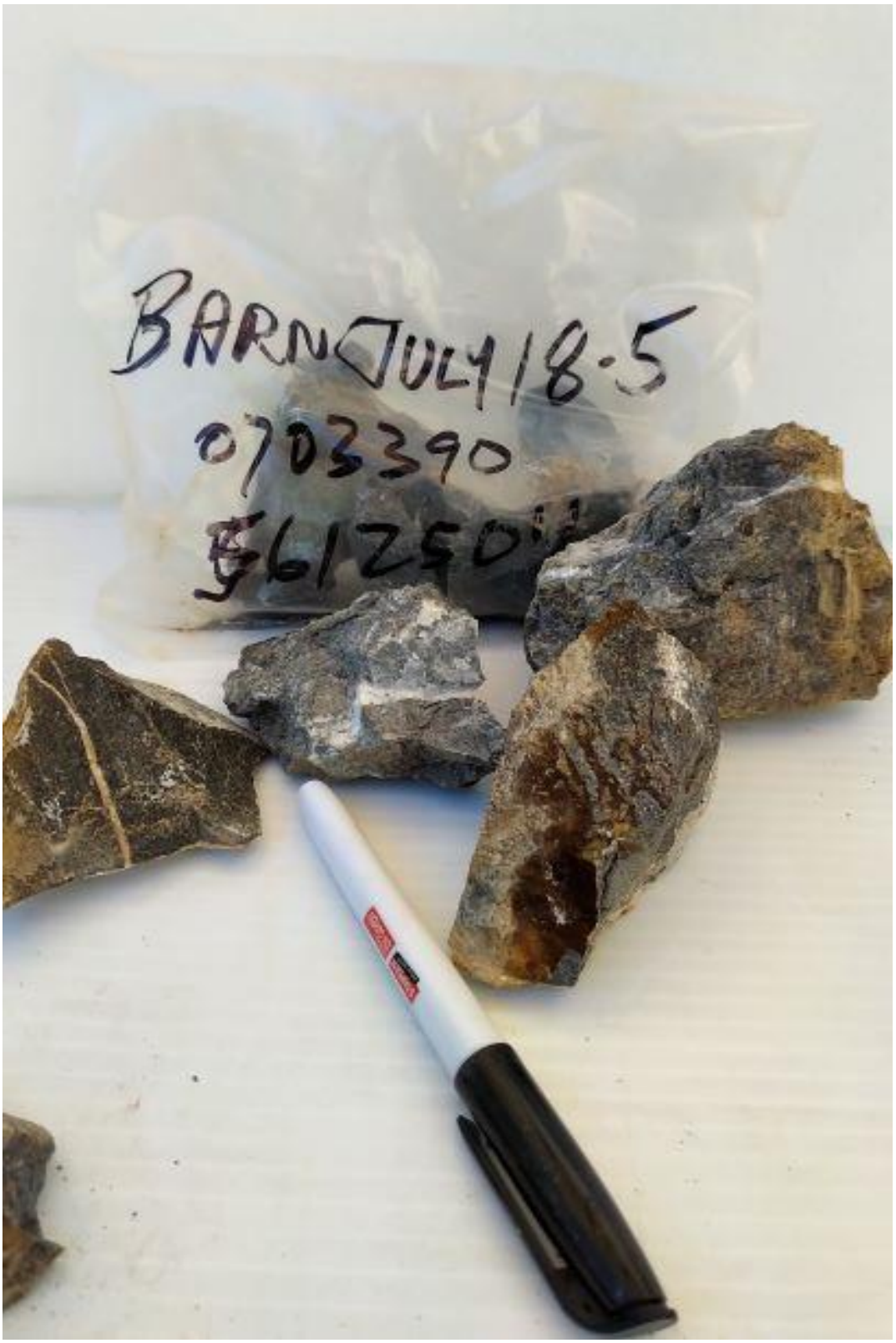
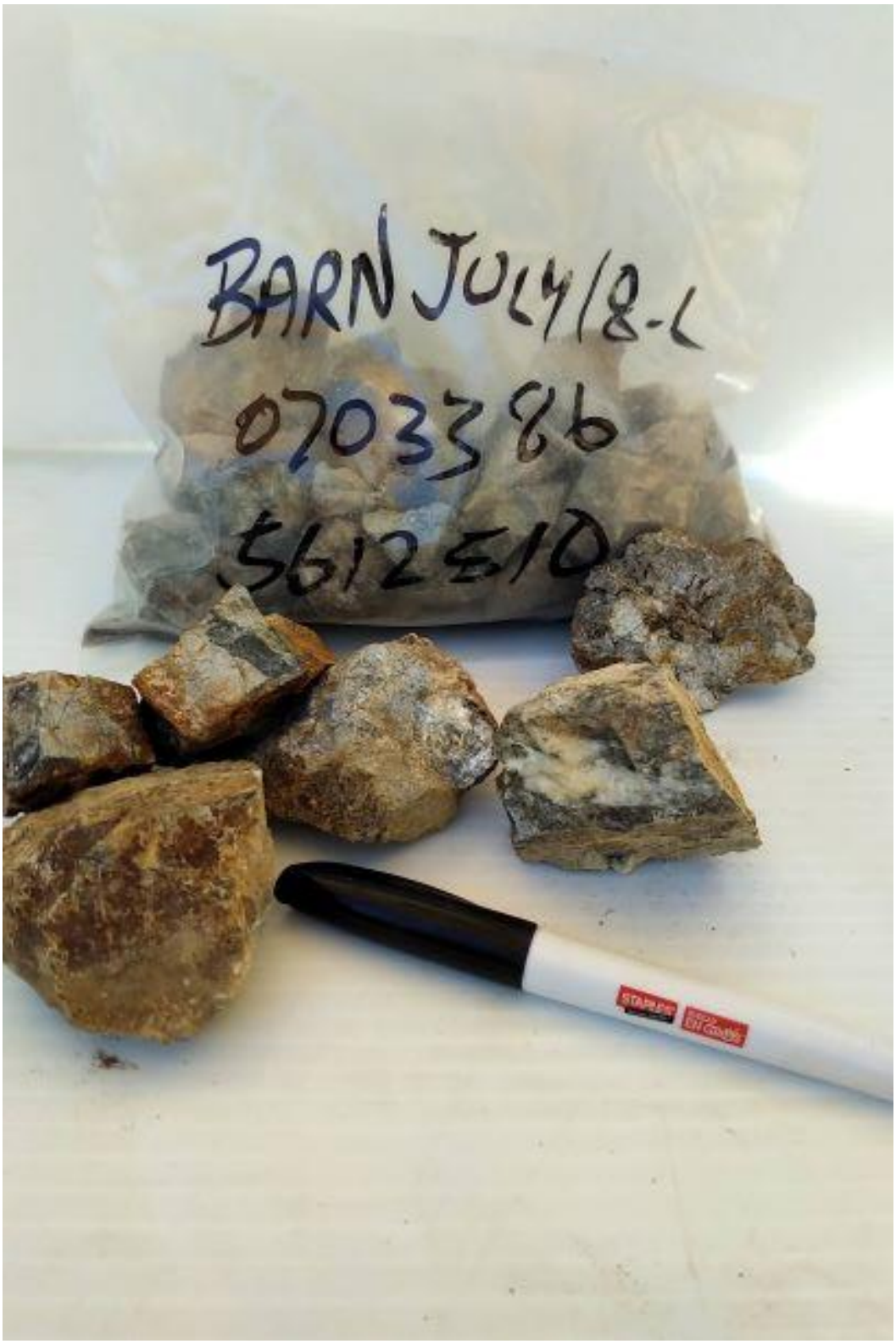


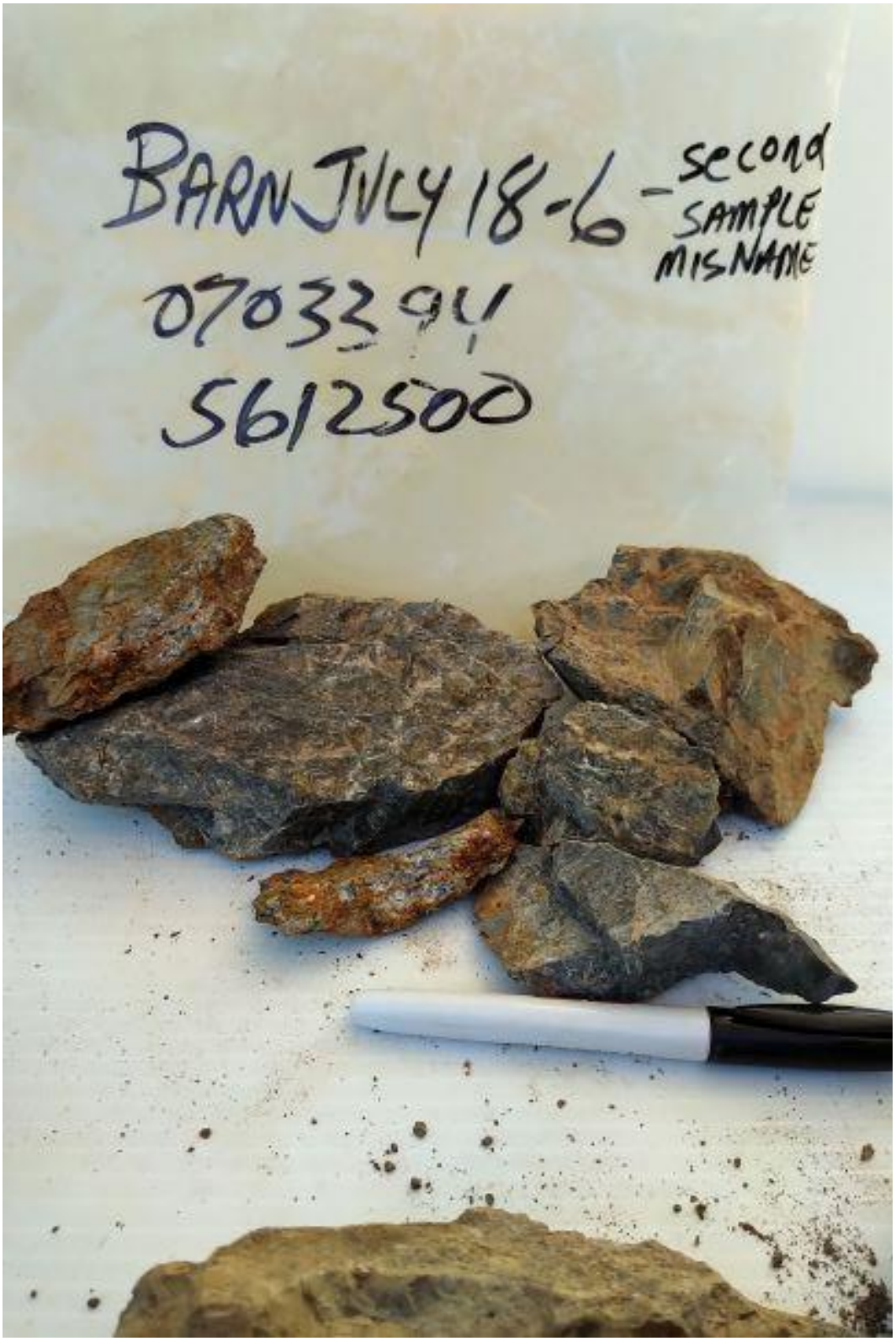
6 LOCATION AND TYPICAL ROCK PICTURE

6 LOCATION AND TYPICAL ROCK PICTURE



6A LOCATION AND TYPICAL ROCK PICTURE

6A LOCATION AND TYPICAL ROCK PICTURE



7 LOCATION AND TYPICAL ROCK PICTURE – to Lab

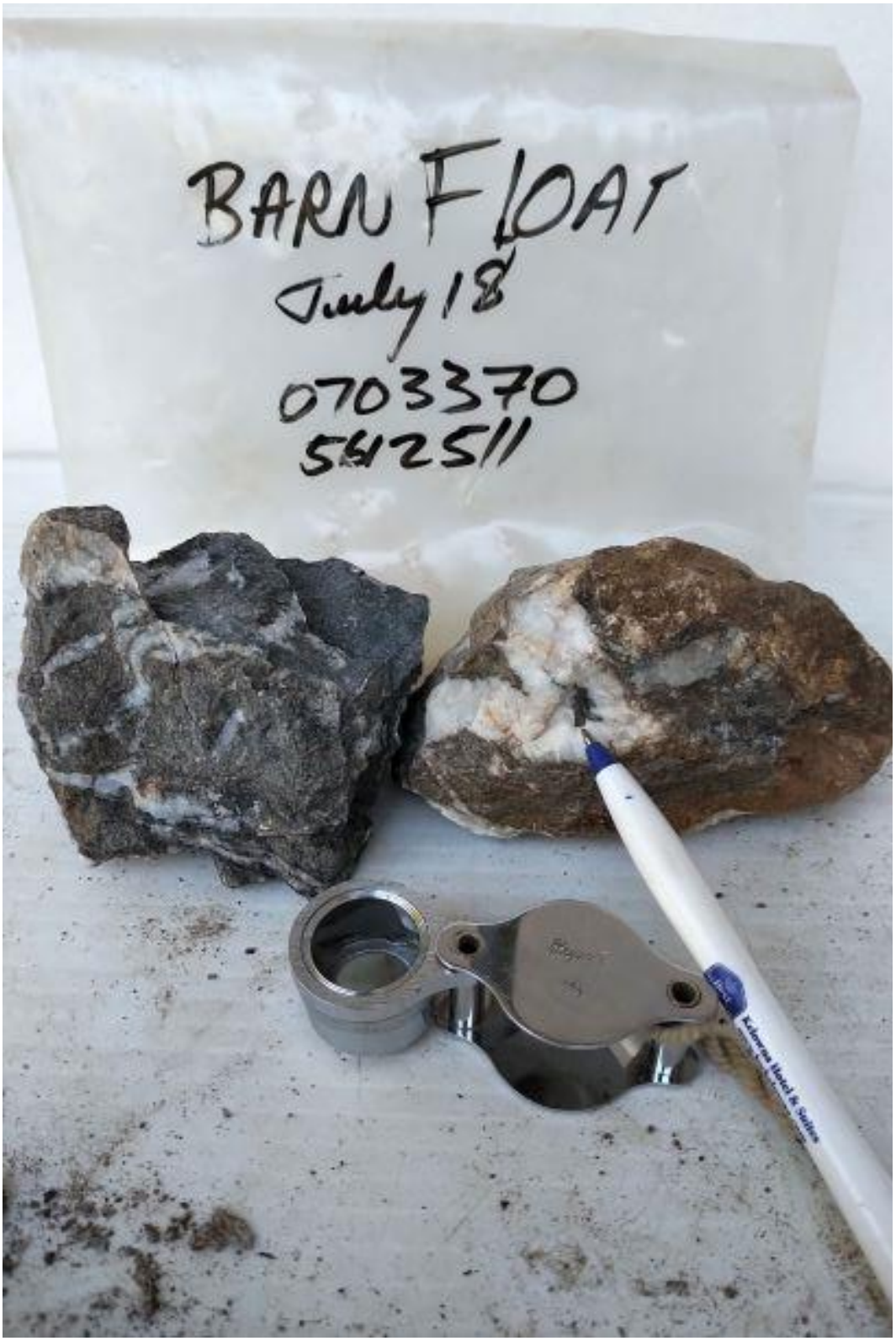
7 LOCATION AND TYPICAL ROCK PICTURE – to Lab

8 LOCATION AND TYPICAL ROCK PICTURE

9 LOCATION AND TYPICAL ROCK PICTURE – to Lab

9 LOCATION AND TYPICAL ROCK PICTURE – to Lab

FLOAT LOCATION AND TYPICAL ROCK PICTURE



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 molybednite 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 t o include any extensive quartz veining, nor, as far as is known, to be associated with any gold mineralization.

Kamloops Group

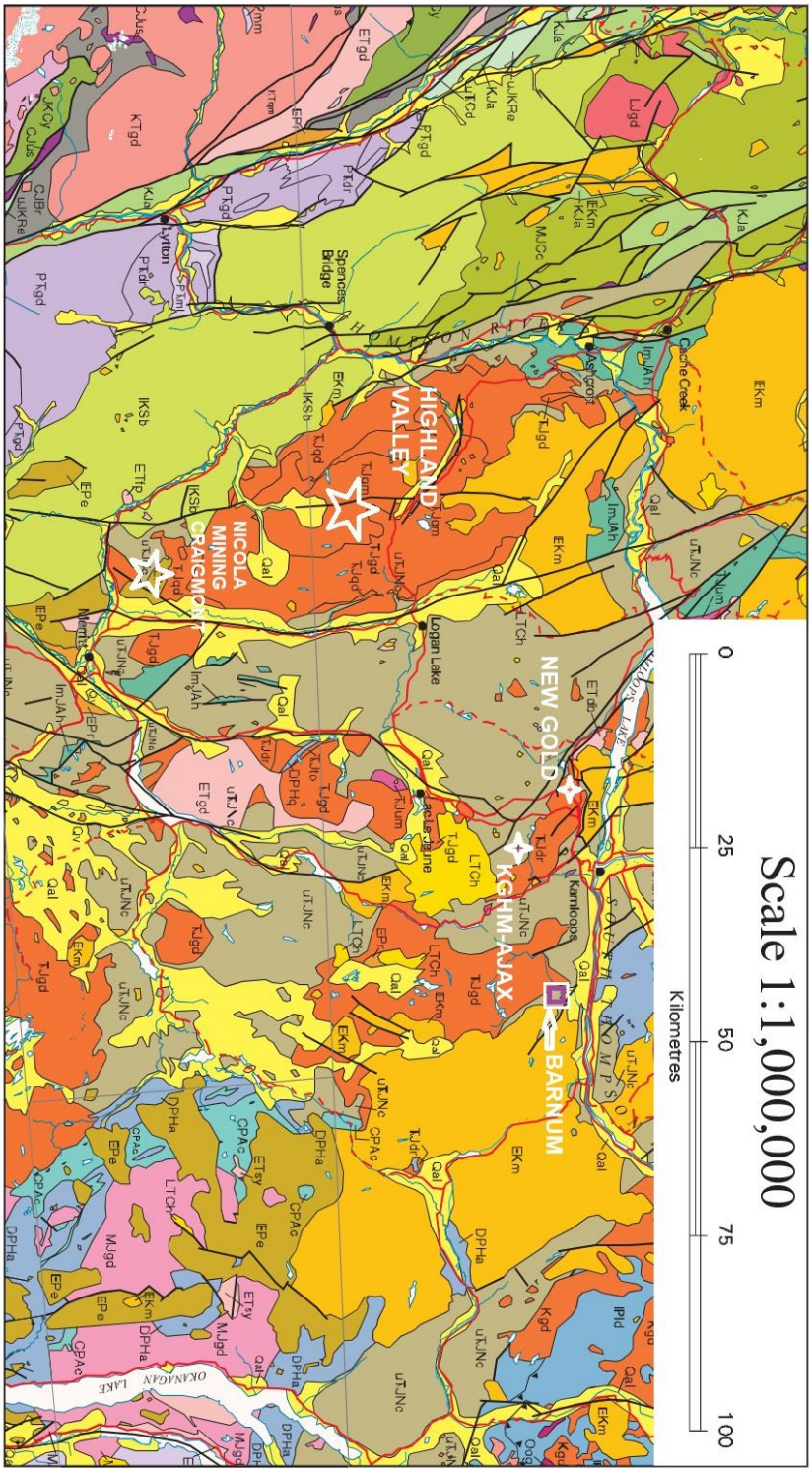
Tranquille Beds - According to Purdy, of Copper Range Exploration Company Inc., beds of Tranquille conglomerate are exposed on the downthrown side of a north-northeast striking fault approximately 1800 feet east of Barnhart Vale.

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.

Figure 7 BARN CLAIM GROUP Regional Geology



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.

Figure 8 BARN CLAIM GROUP Local Geology

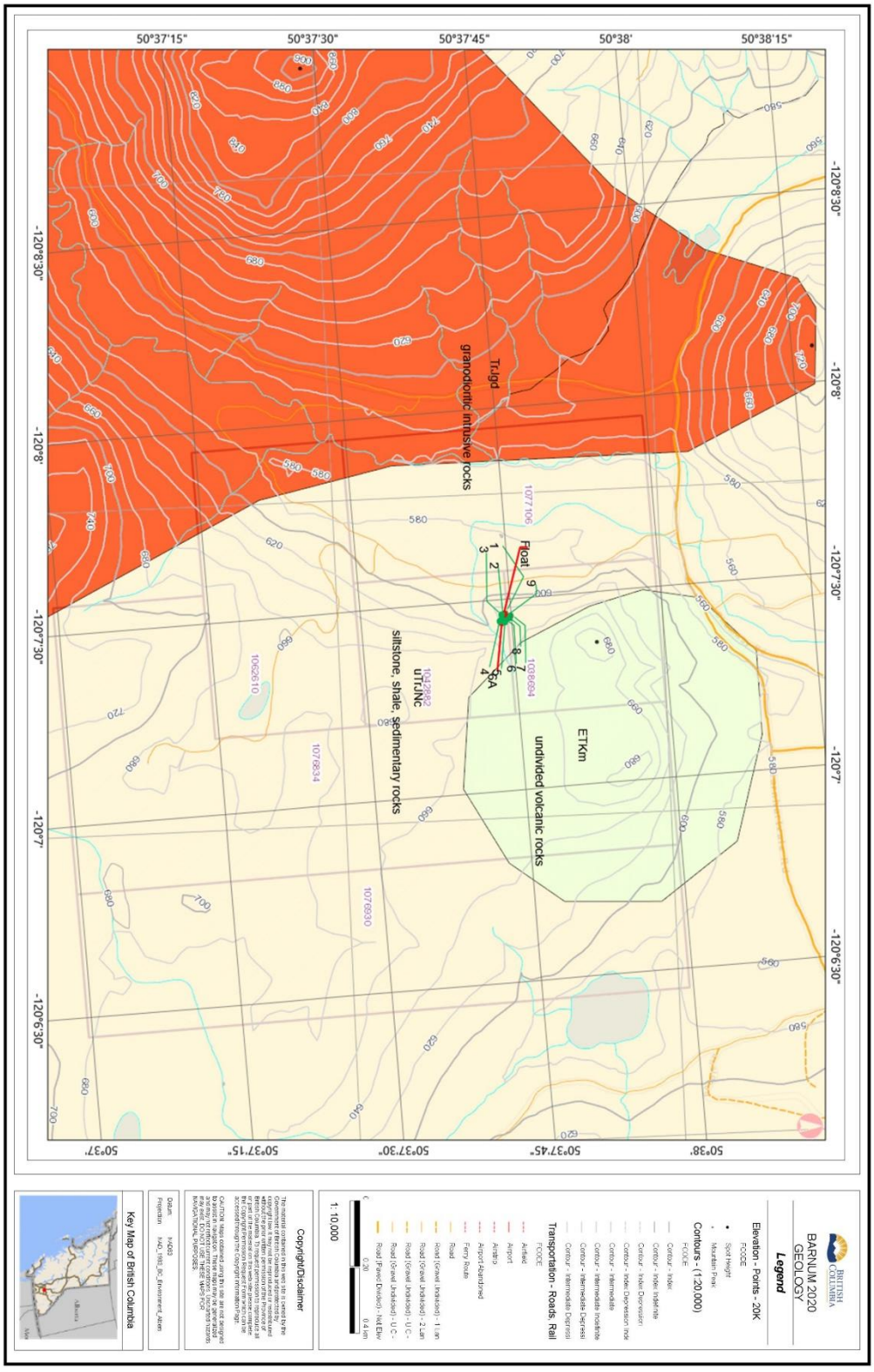
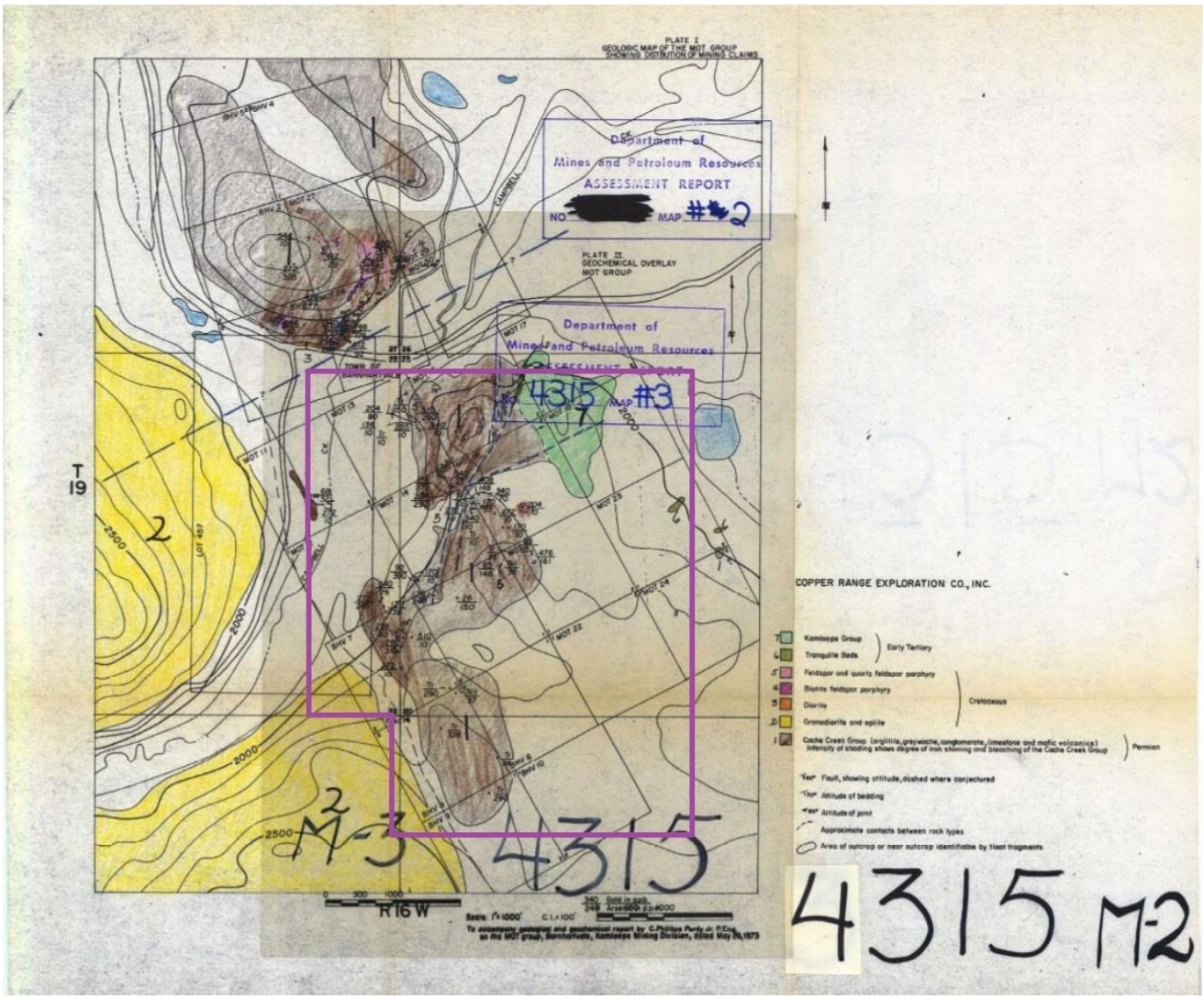



PLATE I
GEOLOGIC MAP OF THE MOT GROUP
SHOWING DISTRIBUTION OF MINING CLAIMS
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. [redacted] MAP #2
T 19
R 16 W
TOWN OF BARNHARTVALE
CAMPBELL
COPPER RANGE EXPLORATION CO., INC.
Kamloops Group
Tranquille Beds
Early Tertiary
Feldspar and quartz feldspar porphyry
Biotite feldspar porphyry
Diorite
Granodiorite and aplite
Cretaceous
Cache Creek Group (argillite, greywacke, conglomerate, limestone and mafic volcanics)
Intensity of shading shows degree of iron staining and bleaching of the Cache Creek Group
Permian
Fault, showing attitude, dashed where conjectured
Attitude of bedding
Attitude of joint
Approximate contacts between rock types
Area of outcrop or near outcrop identifiable by float fragments
Scale: 1"=1000' C.I.=100'
0 500 1000
To accompany geological and geochemical report by C. Phillips Purdy Jr. P.Eng.
on the MOT group, Barnhartvale, Kamloops Mining Division, dated May 28, 1975
4315 M2



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

Prospecting on the BARN Claim Group on July 18, 2020 confirmed the presence of rock types and mineralization similar to those historically reported in the claim area. The newly discovered alteration zone is exposed in a quarry south of the historic MOT showing.

The Author did not locate the historic BARN (MOT) showings/trenches referred to in historic reports.

Table I. **Particulars - Grab Samples taken by ELLERBECK (July 2020) BARN**

LOCATION / SAMPLE #	UTM LOCATION		DESCRIPTION - OUTCROP
JUL 18-1	0703370	5612511	Highly altered feldspar dike – white amygdules. Iron staining in veinlets – visible metal.pyrite.Bornite?Chalcopyrite.Highly siliceous. Sulphide veinlet with qtz.Metal throughout and in qtz veinlets.N-SstrikeDip-vertical
JULY 18-2	0703364	5612530	Quartz vein – 10-15cm wide.Visible metal in veinlets and

			fractures.Pyhrotite?Iron staining.Highly siliceous host with amygdules-altered.Strike N20W. Dip vertical
JULY 18-3	0703373	5612512	Highly Altered feldspar porphyry dyke. Amygdules.Qtz vein 1cm.Diorite colouring/texture inclusion. Visible metal-Chalcopyrite/bornite. Iron in fractures.Dark qurtz within gray quartz. Metal throughout and in qtz veinlets.Multiple veinlets-dark qtz veinlets in white qtz..NstrikeDip90
JULY 18-4	0703392	5612498	Highly Altered and fractured feldspar dike-similar to Old Pit about 300m to North.Rust stain.Quartz veins-sheets-1-2cm wide.Qtz crystals.Visible metal.Hematite?Black Argillite host rock?.Altered diorite within quartz. North strike-dip vertical
JULY 18-5	0703390	5612504	Highly altered and siliceous Dike cut by quartz veins/veinlets. Multiple fractures/crossing-multiple events-qtz.Visible metal-Chalcopyrite in fractures with qtz.Similar to Old Pit rocks.N-S strike-Dip vertical
JULY 18-6	0703386	5612510	Quartz veins 1-2cm in highly altered, siliceous argillite and feldspar porphyry dike-breccia? Hard. Rust..Mottled appearance.Visible metal in qtz veinlets/flooding.N20E-strike. Dip vertical
JULY 18-6A	0703394	5612500	Highly altered breccia – dike/argillite.Heavy rust staining. Hard, brittle. Highly siliceous, fractured.Qtz flooding in fractures, qtz veins, No visible metal. Similar to Old Pit area rocks.
JULY 18-7	0703376	5612530	Highly Silicified feldspar dyke, iron staining. sulphides in fractures. Breccia with black argillite chunks.Diorite inclusion?Qtz amydules. N25Wstrike.Dip vertical
JULY 18-8	0703380	5612528	Highly altered breccia.Rusty.Visible metal.Black argillite chunks.Brittle. Highly siliceous.Diorite inclusion possible?
JULY 18-9	0703375	5612508	Quartz vein-4-7.5 cm wide.Strike N25W dip90. Visible metal in host and quartz contact.Dark qtz carries metal.. Highly altered host dike-feldspar porphyry and argillite. Rusty
FLOAT	0703370	5612511	Gray feldspar porphyry dike. Very hard. Highly siliceous. Quartz flood-swarm-veins-veinlets. Visible metal. Iron staining. Chalcopyrite. Bornite

TECHNICAL DATA AND INTERPRETATION

Table II. Summarized Assay Results- Grab Samples-Ellerbeck (July 2020) – BARN

Sample No.	Sample Type	Cu ppm	Pb ppm	Zn ppm	Au ppm	Ag ppm	Mo ppm
JULY 18-4	**Grab**	**144**	**20**	**110**	**0.203**	**1.0**	**1**
JULY 18-5	**Grab**	**96**	**5**	**39**	**<0.005**	**0.8**	**2**
JULY 18-7	**Grab**	**26**	**32**	**174**	**0.327**	**1.8**	**<1**
JULY 18-8	**Grab**	**24**	**9**	**26**	**0.024**	**0.8**	**1**
JULY 18-9	**Grab**	**14**	**52**	**316**	**0.245**	**1.3**	**1**
BARN FLOAT	**Grab**	**101**	**111**	**26**	**0.389**	**2.6**	**<1**

PURPOSE

In July 2020 a prospecting program was completed on Tenures 1038694 and 1042882 of the six (6) claim BARN (BARNUM) CLAIM GROUP. The purpose was to locate, if possible, historic reported geological features (Au, Ag, Cu bearing structures) as well as to prospect for outcrops and showings of significance. Since the 2016 sampling of the Pit Area, the quarry/pit where the 2016 samples were taken has been both enlarged N-S and E-W as well as deepened. The bench sampled in 2020 is at least 2-4 metres lower than the 2016 bench level. Results of rock samples taken in the 2016 sampling were very encouraging. Thus a 2020 sampling program was warranted to check for mineralization continuity going deeper in the Pit area. Report information was obtained from Selected References and from a July 18, 2020 property examination.

PROSPECTING RESULTS - Outcrops

All Samples confirmed historic local/property and regional geological mapping as to rock type and presence of mineralization.

ASSAY RESULTS

Elevated levels of Au were found in All Samples except JULY 18-5.
Elevated levels of Ag, Cu were found in All Samples.
Elevated levels of Cu, Pb, Zn were found in All Samples.
*Elevated levels of As were found in All Samples. Indicative of intrusive/epithermal alteration.

INTERPRETATIONS AND CONCLUSIONS

The description of mineralization in historic ARIS assessment report references is believed to be hosted in old trenches and drill holes located within the current BARN Claim Group. Mineralization and geology within the BARN Claim Group was confirmed by sampling and assaying rocks from various newly discovered outcroppings during the March 2016 and July 2020 prospecting programs on Tenures 1038694 and 1042882. This mineralization and geology appears to be similar to the previously reported mineralization on the BARN (MOT) property. The old trenches reported to be located within the BARN (MOT) claim group were not examined in March 2016 or July 2020.

SUMMARY AND RECOMMENDATIONS

The July 2020 field program confirmed historic reported geology and showed that significant mineralization is present in feldspar porphyry dykes within the host Cache Creek sediments within the BARN property.
There are numerous reported mineral occurrences within the BARN 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 2020 field program assay results and the noted similarities of mineralization and 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 in order to confirm and map the extent of the new mineralization discovered on the BARN property and to locate and sample the historic reported mineralization within the BARN Claim Group.

ITEMIZED COST STATEMENT

Exploration Work type	BARNUM	Days			Totals
PROSPECTING & EXPLORATION					
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Ken Ellerbeck / Owner	July 18, 2020	1	$500.00	$500.00	
Q. Ellerbeck / Helper	July 18, 2020	1	$250.00	$250.00	
			$500.00	$0.00	
			$250.00	$0.00	
				$0.00	
				$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*	6.0	$48.00	$288.00	
				$288.00	**$288.00**
Transportation		**No.**	**Rate**	**Subtotal**	
KM Kamloops-Property-return		62.00	$0.95	$58.90	
KM SAMPLES TO LAB	July 23, 2020	51.00	$0.95	$48.45	
				$0.00	
				$107.35	**$107.35**
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**
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					**$2,725.35**

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).

R o b e r t s , A.F., P.Eng., O c t o b e r 31, 1980 – AR 9881, Geochemical-Geophysical - C a r l i n 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.

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.

ALS Canada Ltd.
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To: KEN ELLERBECK
255 WEST BATTLE STREET
KAMLOOPS BC V2C 1G8

Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 7-AUG-2020
Account: ELLERK

CERTIFICATE KL20159294

Project: Barn

This report is for 6 Rock samples submitted to our lab in Kamloops, BC, Canada on 27-JUL-2020.

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
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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, General Manager, North Vancouver

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 7-AUG-2020
Account: ELLERK

Project: Barn

CERTIFICATE OF ANALYSIS KL20159294

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.

Applies to Method:	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	ME-ICP41

APPENDIX 2 ASSAY RESULTS

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Total # Pages: 2 (A - C)
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Account: ELLERK

Project: Barn

CERTIFICATE OF ANALYSIS KL20159294

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
BARN July 18-4		1.13	1.0	0.87	851	10	110	<0.5	2	7.19	0.8	17	27	144	4.43	<10
BARN July 18-5		1.12	0.8	0.58	26	<10	130	<0.5	<2	8.8	<0.5	14	28	96	3.02	<10
BARN July 18-7		2.46	1.8	0.71	2570	<10	130	<0.5	<2	3.54	1.5	16	24	26	4.74	<10
BARN July 18-8		1.31	0.8	0.62	74	<10	50	0.5	2	6.44	<0.5	24	13	24	12.20	<10
BARN July 18-9		1.58	1.3	0.22	582	<10	60	<0.5	<2	13.3	3.2	3	7	14	2.28	<10
BARN Float		0.50	2.6	0.24	1125	<10	180	<0.5	<2	18.9	<0.5	7	5	101	4.36	<10

***** 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: 7-AUG-2020
Account: ELLERK

Project: Barn

CERTIFICATE OF ANALYSIS KL20159294

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	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	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
BARN July 18-4		<1	0.15	10	2.84	1280	1	0.02	45	1260	20	0.45	4	7	246	<20
BARN July 18-5		<1	0.15	10	0.86	1035	2	0.05	33	1030	5	1.00	<2	8	232	<20
BARN July 18-7		<1	0.15	10	0.99	782	<1	0.03	10	1040	32	0.59	16	8	171	<20
BARN July 18-8		1	0.12	<10	2.71	1035	1	0.02	40	590	9	9.70	50	7	564	<20
BARN July 18-9		<1	0.09	<10	1.75	1965	1	0.01	6	210	52	0.71	5	2	560	<20
BARN Float		<1	0.12	<10	0.75	1865	<1	0.01	10	330	111	2.00	9	4	903	<20

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

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Page: 2 - C
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Account: ELLERK

Project: Barn

CERTIFICATE OF ANALYSIS KL20159294

Sample Description	Method / Analyte / Units / LOD	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-AA23 Au ppm 0.005
BARN July 18-4		<0.01	<10	<10	90	<10	110	0.203
BARN July 18-5		<0.01	<10	<10	79	<10	39	<0.005
BARN July 18-7		<0.01	<10	<10	91	<10	174	0.327
BARN July 18-8		<0.01	<10	<10	63	<10	26	0.024
BARN July 18-9		<0.01	<10	<10	9	<10	316	0.245
BARN Float		<0.01	<10	<10	16	<10	26	0.389

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

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7/30/2020

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Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: ELLERBECK, KENNETH CECIL (107608)
Submitter: ELLERBECK, KENNETH CECIL (107608)
Recorded: 2020/JUL/30
Effective: 2020/JUL/30
D/E Date: 2020/JUL/30

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: **5808735**

Work Type: Technical Work
Technical Items: Prospecting

Work Start Date: 2020/JUL/18
Work Stop Date: 2020/JUL/18
Total Value of Work: $ 2725.35
Mine Permit No:

Summary of the work value:

Title Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	Applied Work Value	Sub-mission Fee
1038694	BARNUM	2015/SEP/20	2023/DEC/31	2023/DEC/31	0	20.50	$ 0.00	$ 0.00
1042882	PT	2016/MAR/16	2023/DEC/31	2023/DEC/31	0	20.50	$ 0.00	$ 0.00
1062610	BARNUM SOUTH	2018/AUG/26	2023/DEC/31	2023/DEC/31	0	41.01	$ 0.00	$ 0.00
1076834	BARN EAST	2020/JUN/19	2021/JUN/19	2023/AUG/31	803	102.51	$ 1229.57	$ 0.00
1076930	BARN EE	2020/JUN/24	2021/JUN/24	2023/AUG/31	798	82.01	$ 972.43	$ 0.00
1077106	BARN WEST	2020/JUL/07	2021/JUL/07	2023/AUG/31	785	41.00	$ 471.61	$ 0.00

Financial Summary:

Total applied work value: $ 2673.61

PAC name: KEN ELLERBECK
Debited PAC amount: $ 0.0
Credited PAC amount: $ 51.74

Total Submission Fees: $ 0.0

Total Paid: **$ 0.0**

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1/1