

KEN ELLERBECK

(Owner & Operator)

TECHNICAL EXPLORATION REPORT

(Event 5469891)
on

PROSPECTING and EXPLORING

Work done on

Tenures 1014024 1011864 924649

of the 5 Claim

BRASSIE CLAIM GROUP

Kamloops Mining Division
BCGS Maps 092I.075

Centre of Work
5623000N, 640000E

**BC Geological Survey
Assessment Report
34217**

AUTHOR KEN ELLERBECK, PMP

REPORT SUBMITTED September 30, 2013

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INTRODUCTION

PURPOSE

In September 2013 a prospecting program was completed on Tenures 924649, 1014024, and 1011864 of the five (5) claim Brassie Claim Group.

The purpose of the prospecting program was to locate and examine some historic showings as well as to prospect out from these showings to determine if there were unidentified outcrops and showings of significance. Information for this report was obtained from sources as cited under Selected References and from a property examination made on September 14-15, 2013.

ACCESS AND LOCATION

Road access to the Property from Kamloops is westward via Highway #1 for 40 kilometres to the Wallachin junction. Tenure 924609, the northernmost claim of the Property, is six (6) kilometres south of the junction and is accessible via a series of graveled and dirt roads and crossing the Thompson River and both the Canadian National Railroad main line and the Canadian Pacific Railway railroad main line from Vancouver to Kamloops and beyond. Secondary roads provide access to the northern and the southern portions of the Property.

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 Brassie Claim Group light to moderate snow cover on the ground could be from December to April and would not hamper a year-round exploration program.

Kamloops, an historic mining center could be a source of experienced and reliable exploration and mining personnel and a supply for most mining related equipment.

Kamloops is serviced daily by commercial airline and is a hub for road and rail transportation. Vancouver, a port city on the southwest corner of, and the largest city in the Province of British Columbia, is four hours distant by road and less than one hour by air from Kamloops.

PROPERTY DESCRIPTION

BRASSIE CLAIM GROUP Mineral Titles Online Report ARIS MapBuilder

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
924609	Mineral	BRASSIE NORTH	20160101	81.7966
924649	Mineral	BRASSIE EAST	20160101	81.8114
1011864	Mineral	BRASSIE Sub North	20160101	245.4549
1011868	Mineral	Brassie West	20160101	81.8251
1014024	Mineral	BRASSIE QUKE	20131027	122.689

Total Area: 613.577 ha

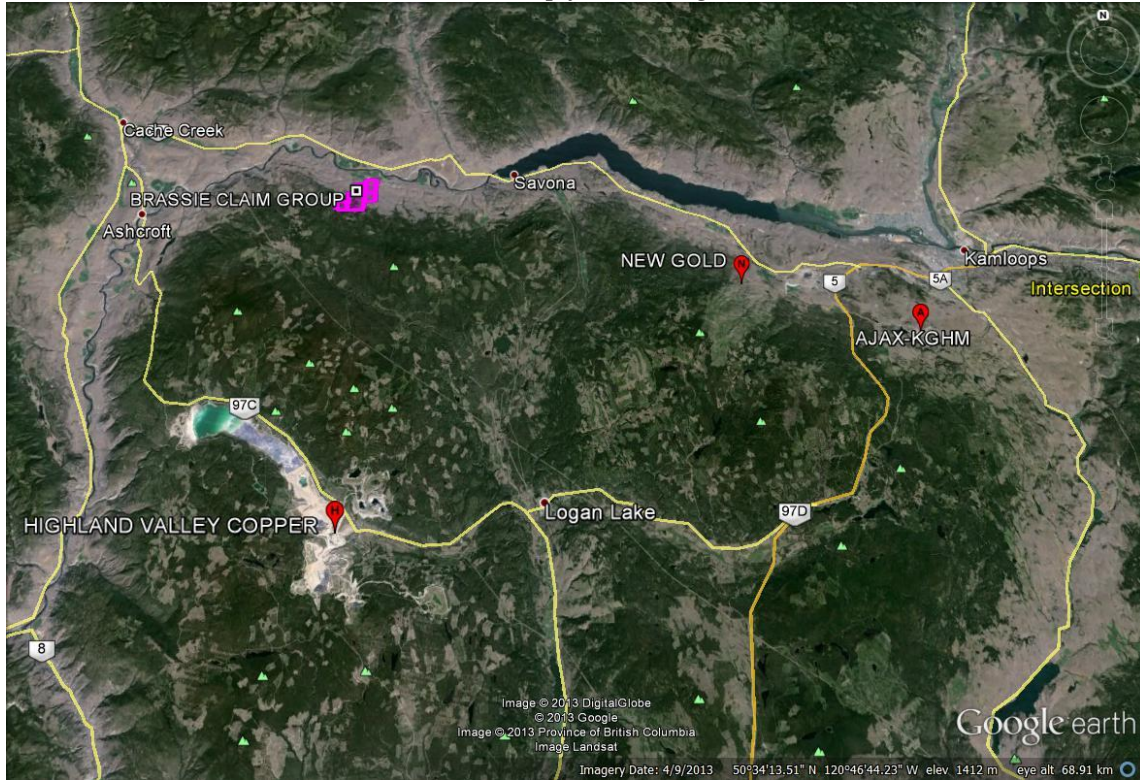
Figure 1 LOCATION MAP from MTO Mapbuilder
Figure 1 LOCATION MAP



HISTORY

Exploration by other operators on mineral tenures contained within the current Brassie Claim Group has been recorded since 1970. No economic mineral resource has been located on the property. Brassie Claim Group was acquired by online staking by the Author and Current Owner. Tenures 924609 and 924649 were acquired October 27, 2011 and 1011864 and 1011868 were acquired October 26, 2011. 1014024 was acquired October 27, 2012. In 2012 a Geological Assessment report (Event 5399509) was filed covering Structural Analysis conducted on Tenure 1011864. Prospecting was conducted on 924649, 1014024, and 1011864 in September 2013.

Figure 2 CLAIM LOCATION
(Base Map from Google Earth)



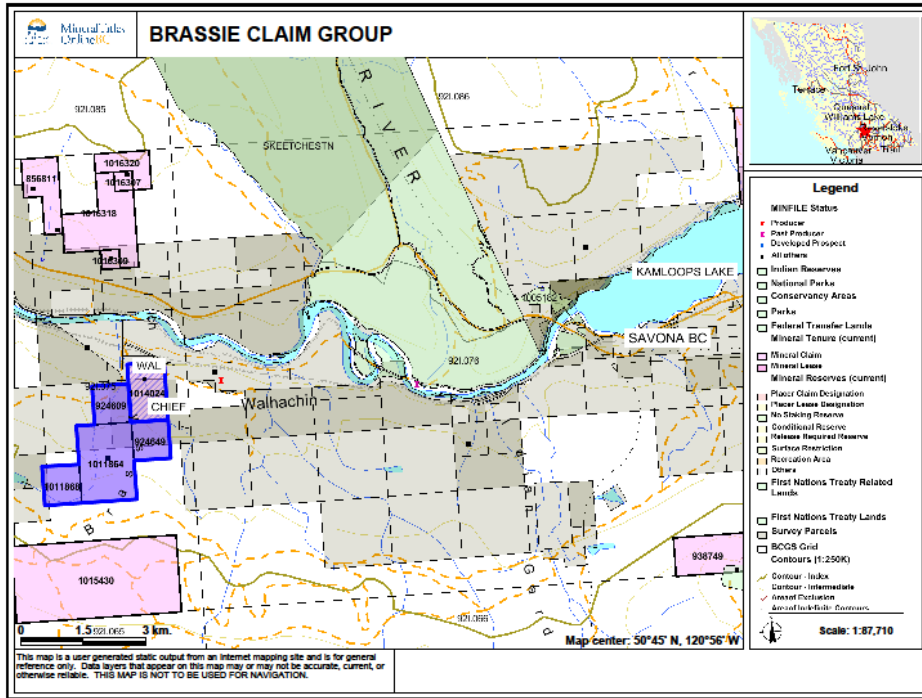
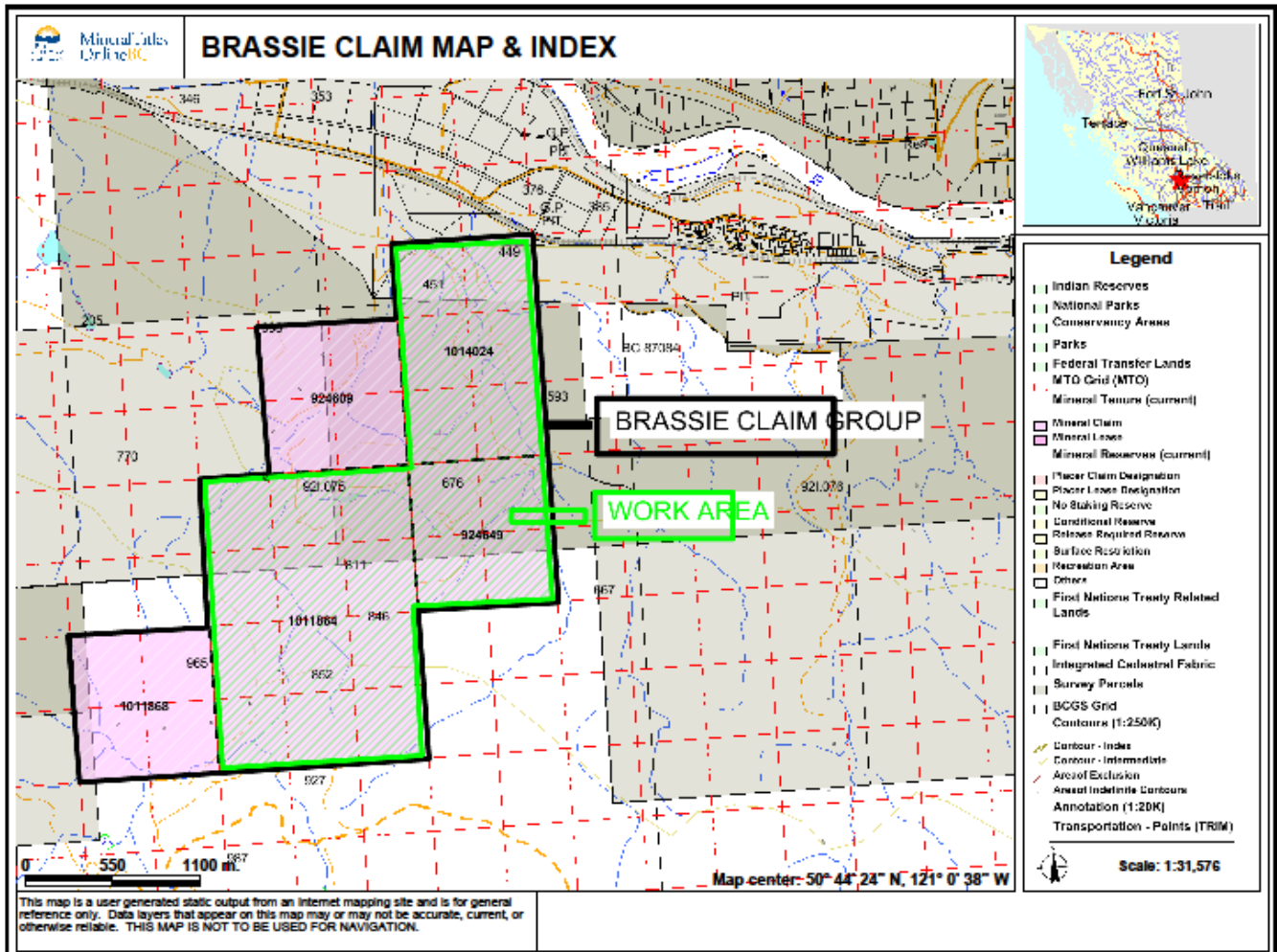


Figure 3 CLAIM and INDEX MAP

(Base Map from MTOonline)



SUMMARY OF WORK DONE

The Tenure Numbers in the BRASSIE CLAIM GROUP on which work was performed:
Prospecting was conducted on 924649, 1014024, and 1011864 in September 14-15, 2013.
(Figure 3-4).

Two (2) field days were spent on the BRASSIE CLAIM GROUP project, including prospecting and travelling to and from the property. One (1) day was spent researching reference material, and a further one (1) day was spent compiling data, drafting and writing this report.

Figure 4 2013 Prospecting Work Location Area

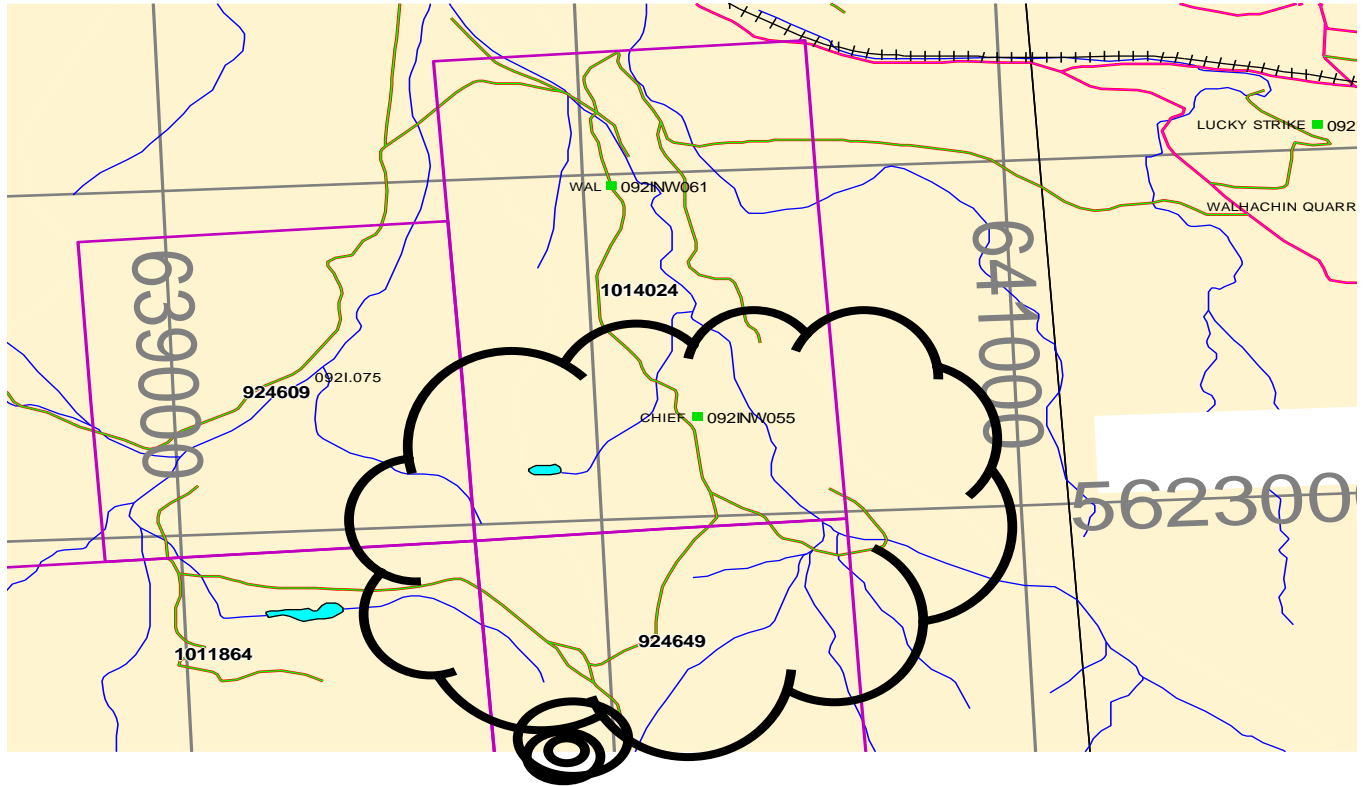
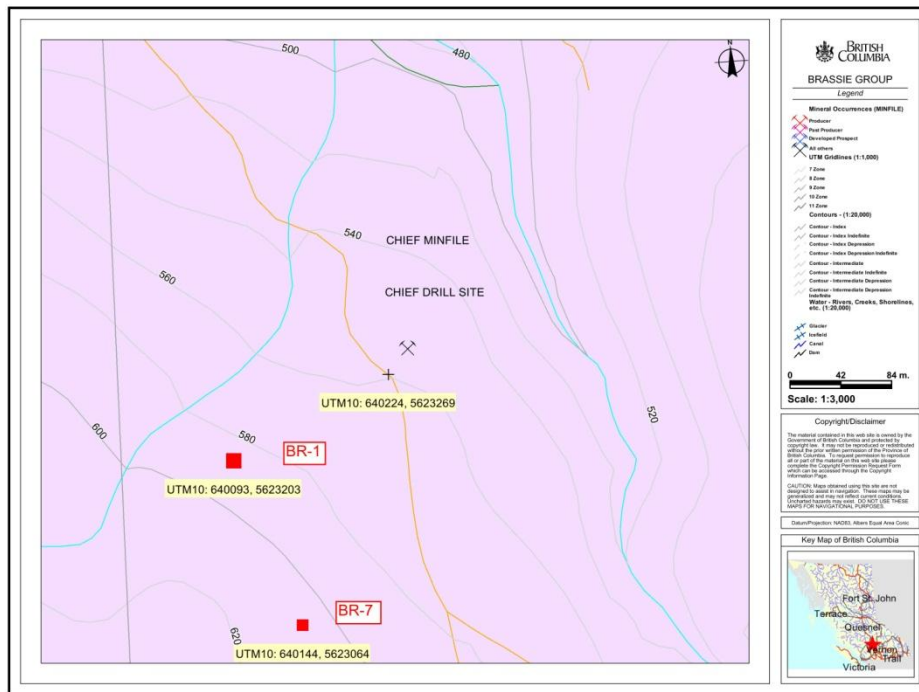
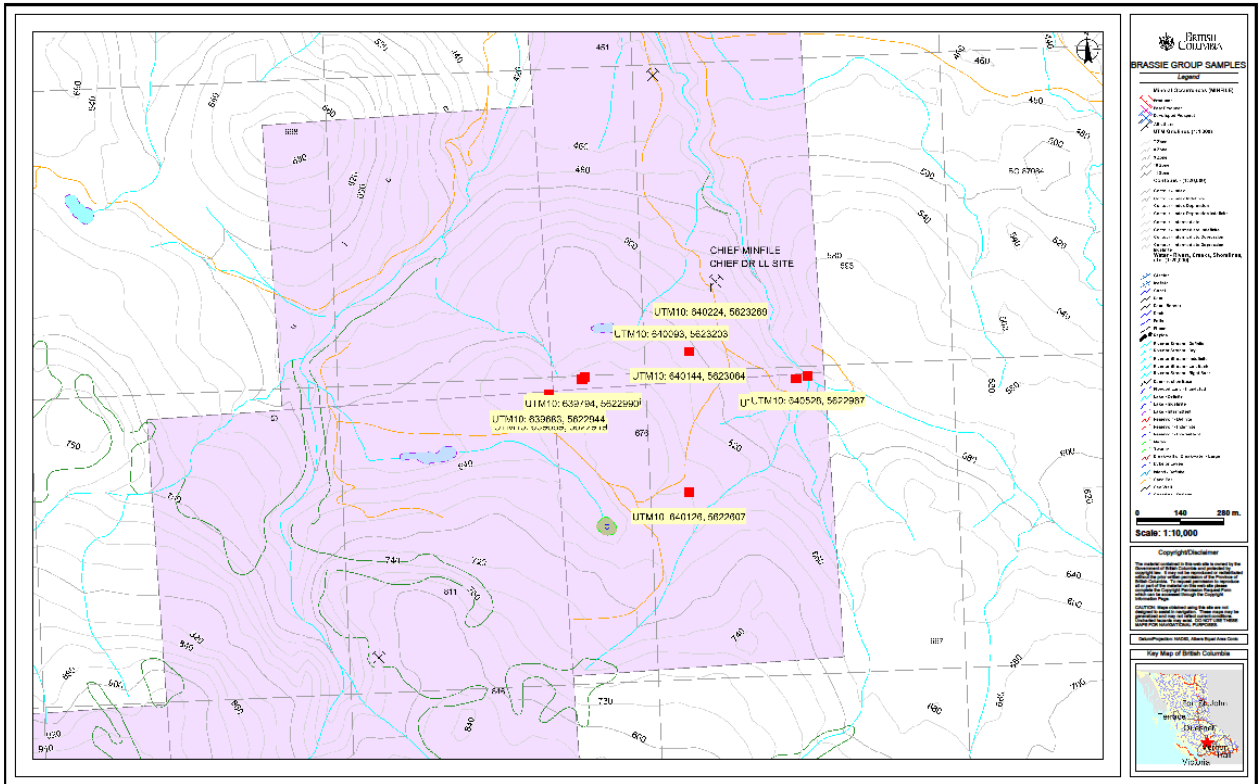
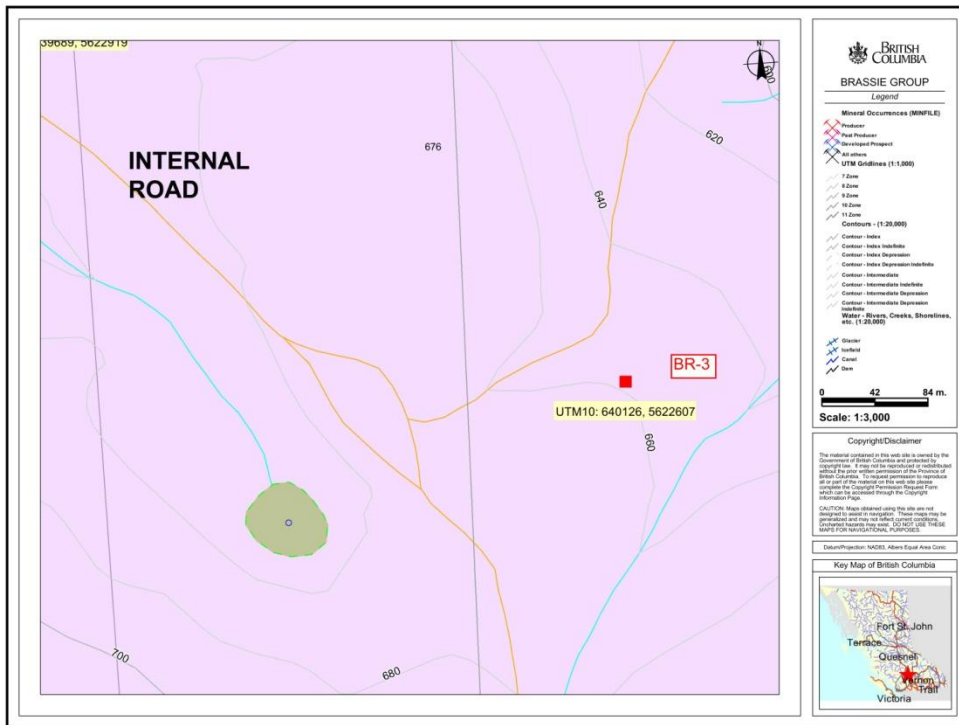
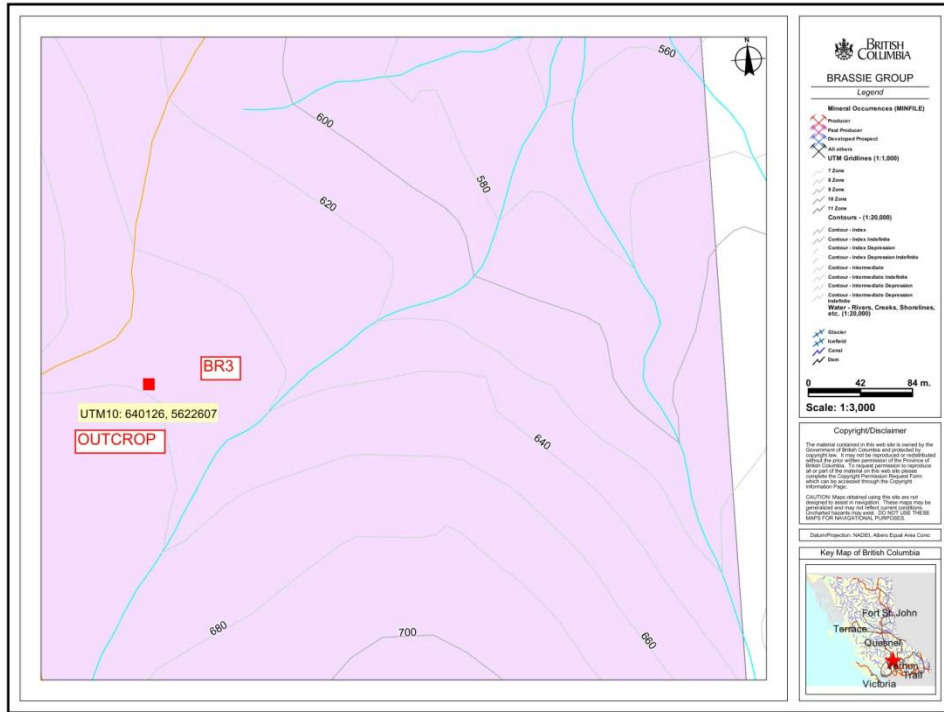
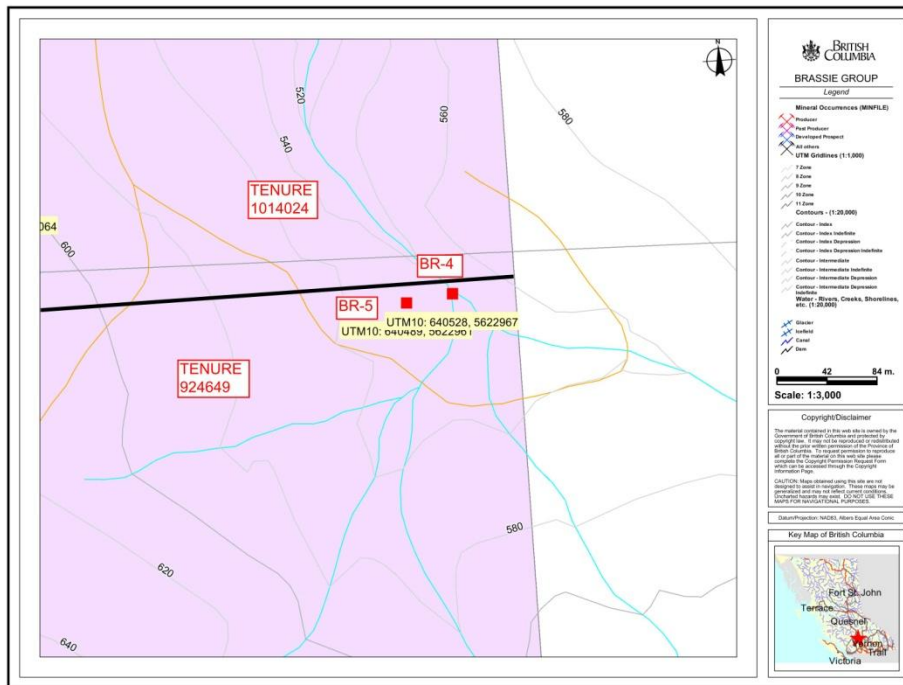
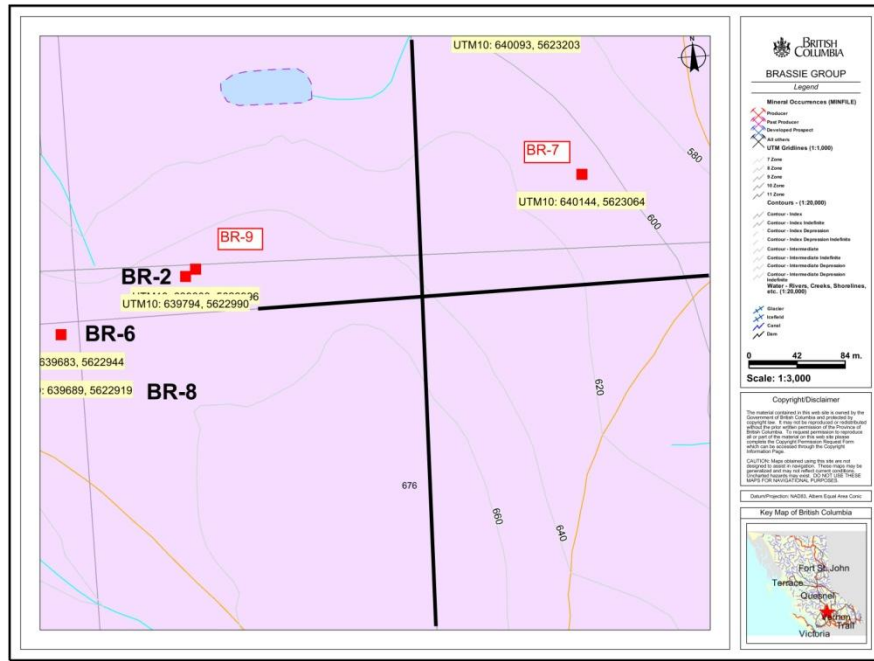
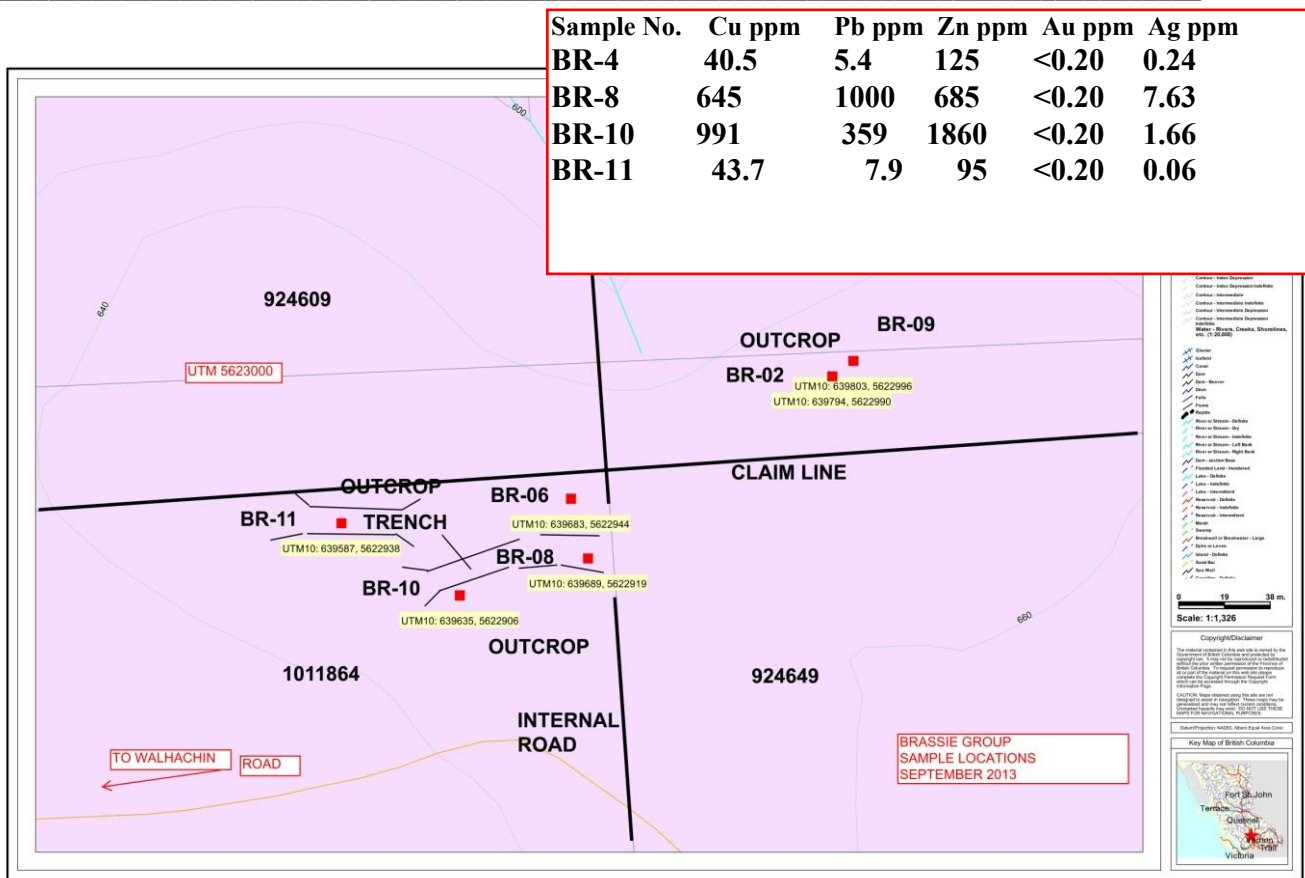


Figure 5 Sample Locations Area









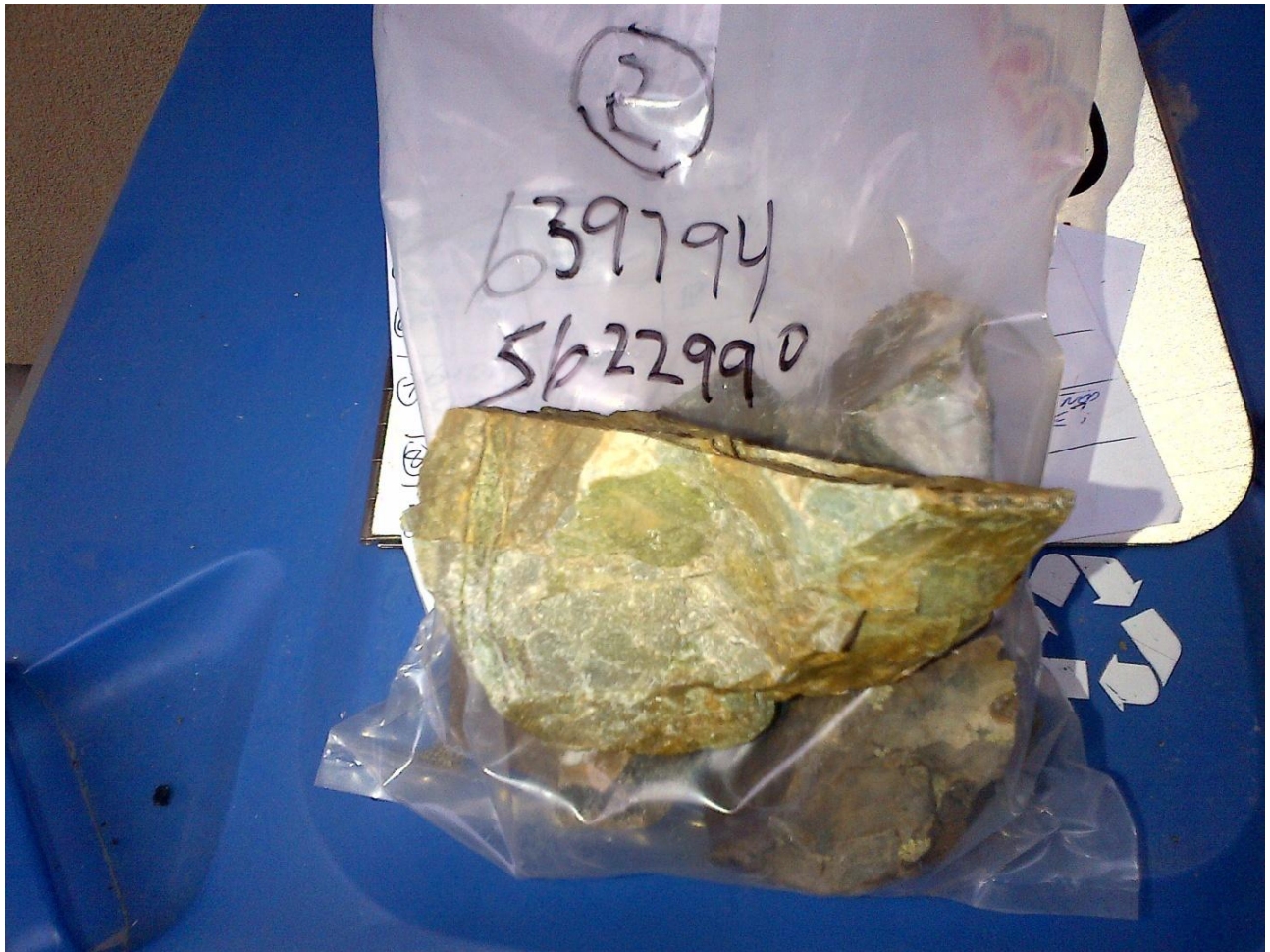
2013 WORK PROGRAM

Sampling Program - The author was on the Brassie Claim Group in September 2013 to select rock samples for verification to the reported mineralization and geology on the Property. Eleven (11) grab samples were taken from eleven different sites. Four (4) were submitted for assay.

Table I. Particulars of Grab Samples taken by ELLERBECK (2013) Brassie Claim Group

SAMPLE #	UTM LOCATION		DESCRIPTION
			All OUTCROP unless indicated
1	5623203	640093	Fine grained, light color andesite
2	5622990	639794	Fine grained, light color andesite, banded
3	5622607	640126	Granodiorite –fine grain, gray-green
4	5622967	640528	Conglomerate, rubble, iron stained, quartz veinlets
5	5622961	640489	Granodiorite – coarse – black and white – with feldspar
6	5622944	639683	Limestone, altered, rotten, magnetite banding
7	5623064	640144	Fine grained andesite – pink banding,
8	5622919	639689	Trench float, altered Limestone, iron staining
9	5622996	639803	Fine grained andesite, pink, greenish
10	5622906	639635	Trench float, altered Limestone, iron stain, magnetite
11	5622938	639587	Trench float, altered Limestone, iron stain, magnetite

SAMPLE 2 LOCATION AND TYPICAL ROCK PICTURE



SAMPLE 2 LOCATION AND TYPICAL ROCK PICTURE





SAMPLE 3 LOCATION AND TYPICAL ROCK PICTURE

SAMPLE 4 LOCATION AND TYPICAL ROCK PICTURE





SAMPLE 5 LOCATION AND TYPICAL ROCK PICTURE

GRANODIORITE OUTCROP – RATTLESNAKE CREEK – **FIRST TIME MAPPED**

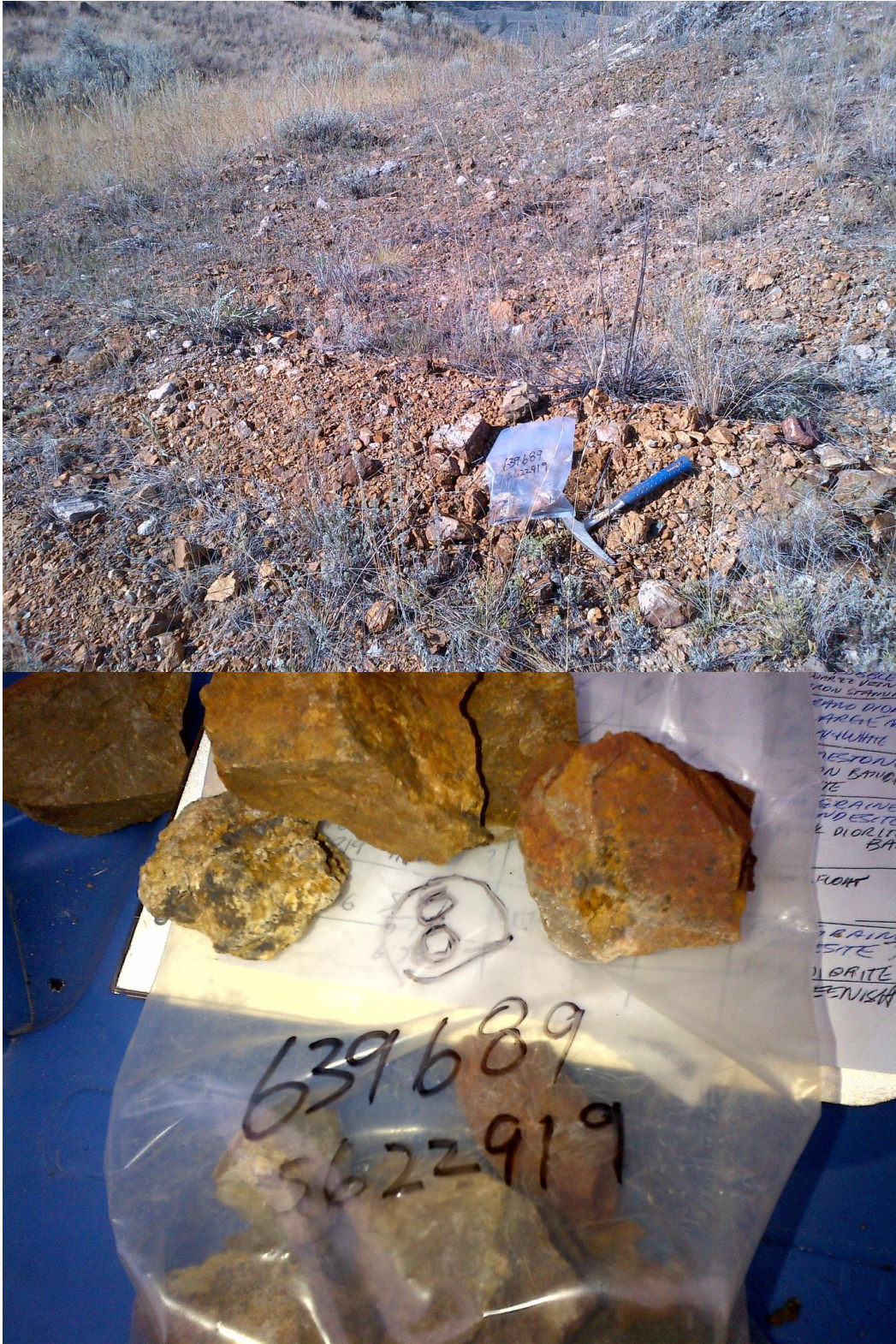
SAMPLE 6 LOCATION AND TYPICAL ROCK PICTURE



SAMPLE 7 LOCATION AND TYPICAL ROCK PICTURE



Sample 8 Location and Typical Rock Sample



SAMPLE 9 LOCATION AND TYPICAL ROCK SAMPLE



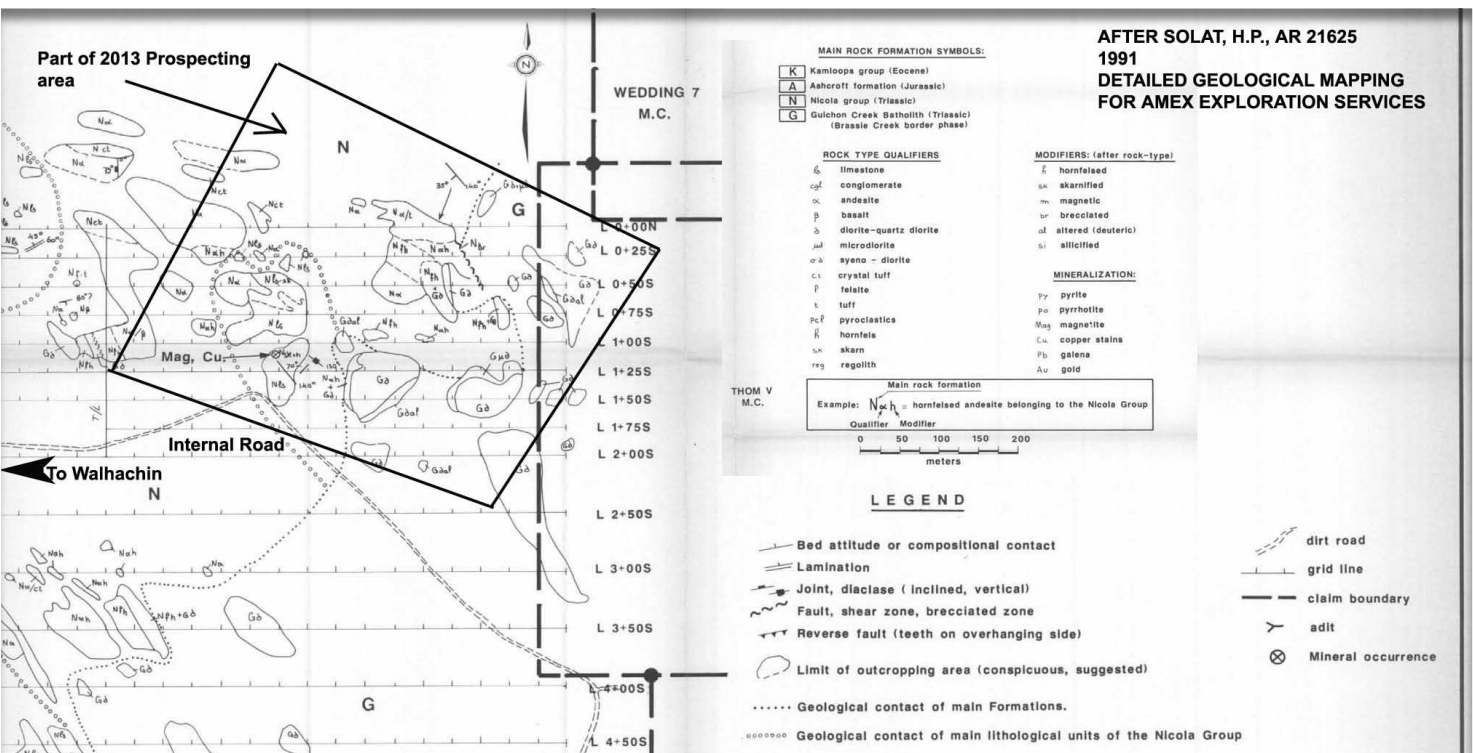
SAMPLE 10 LOCATION AND TYPICAL ROCK SAMPLE



SAMPLE 11 LOCATION AND TYPICAL ROCK SAMPLE



SUMMARY OF REGIONAL AND PROPERTY GEOLOGY
Figure 7 Local Geology after Solat, H.P. AR 21625



B.C. Ministry of Energy and Mines

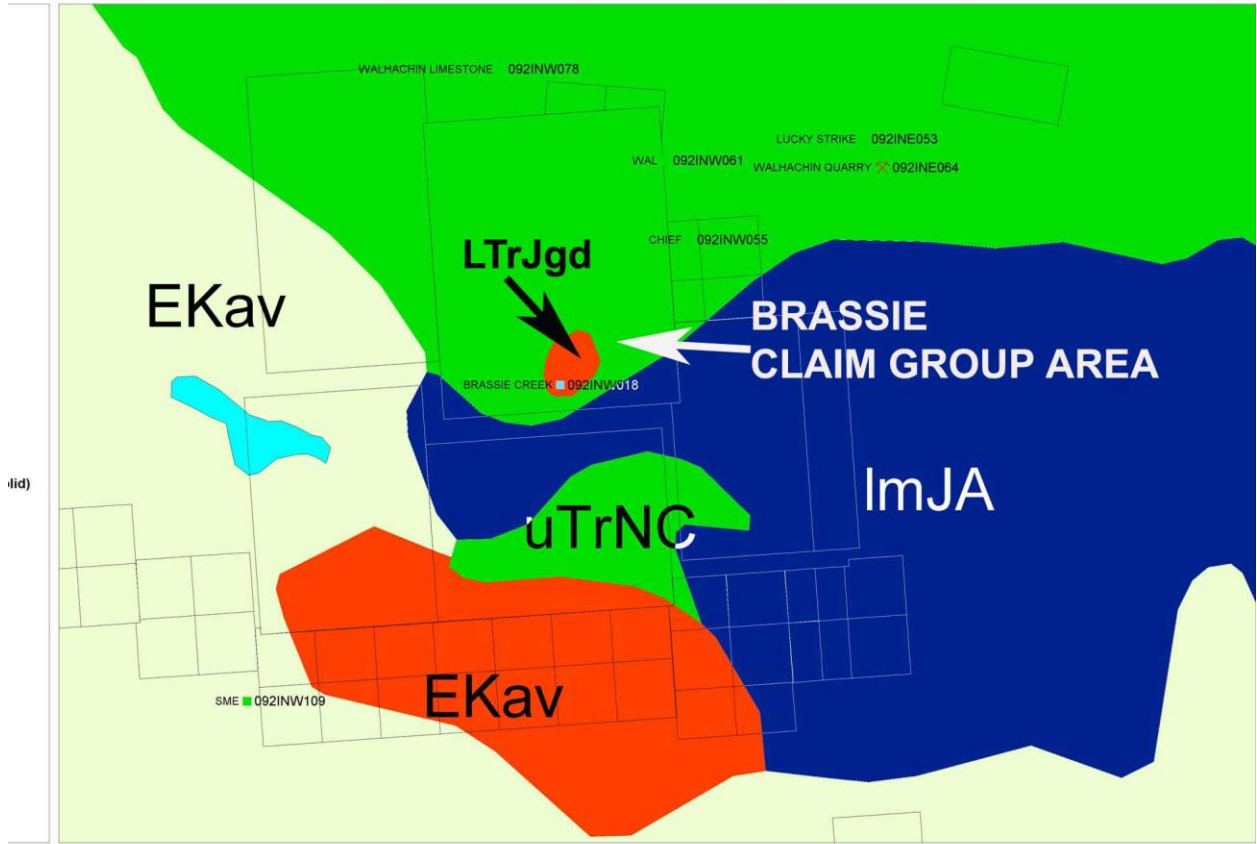
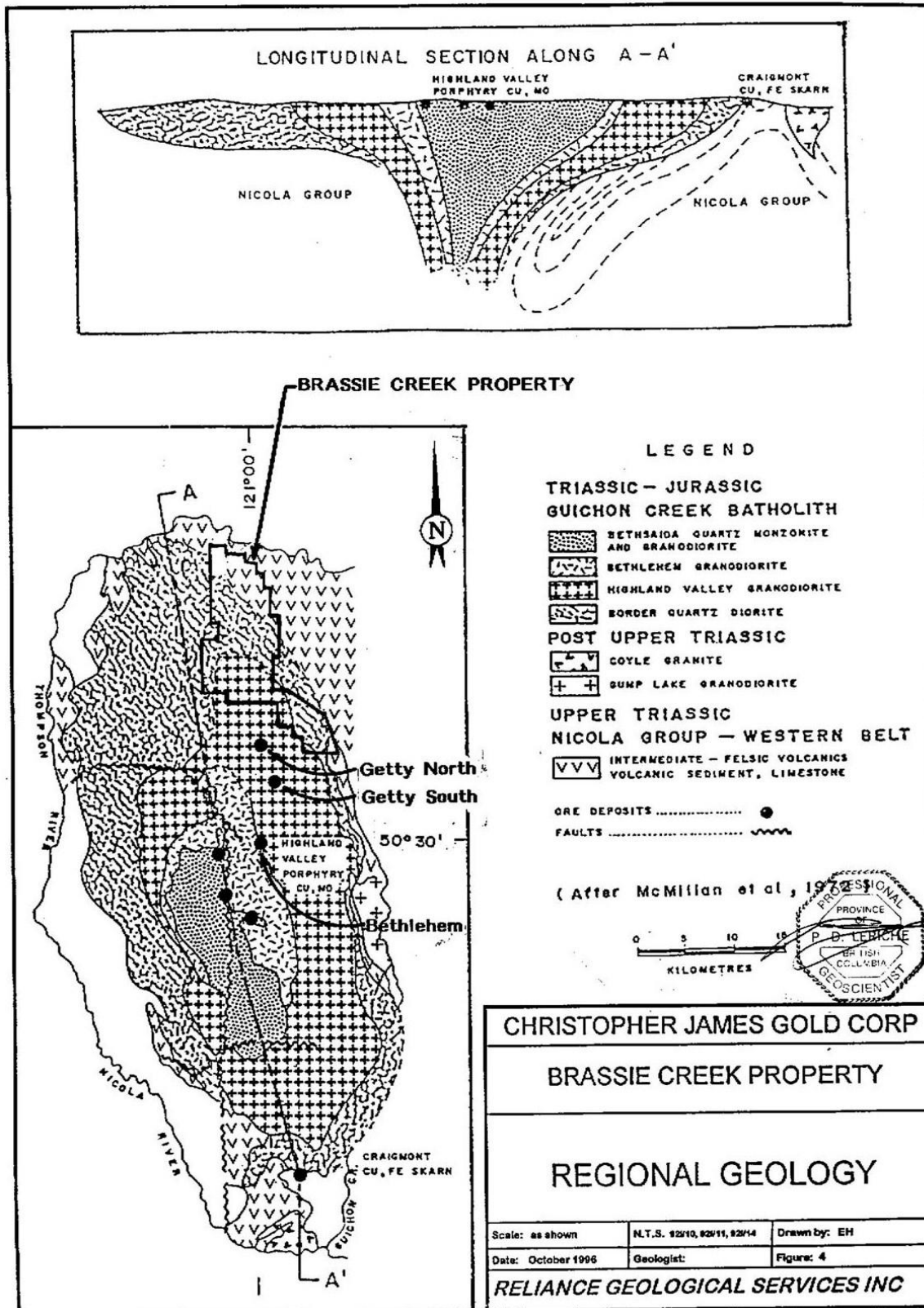
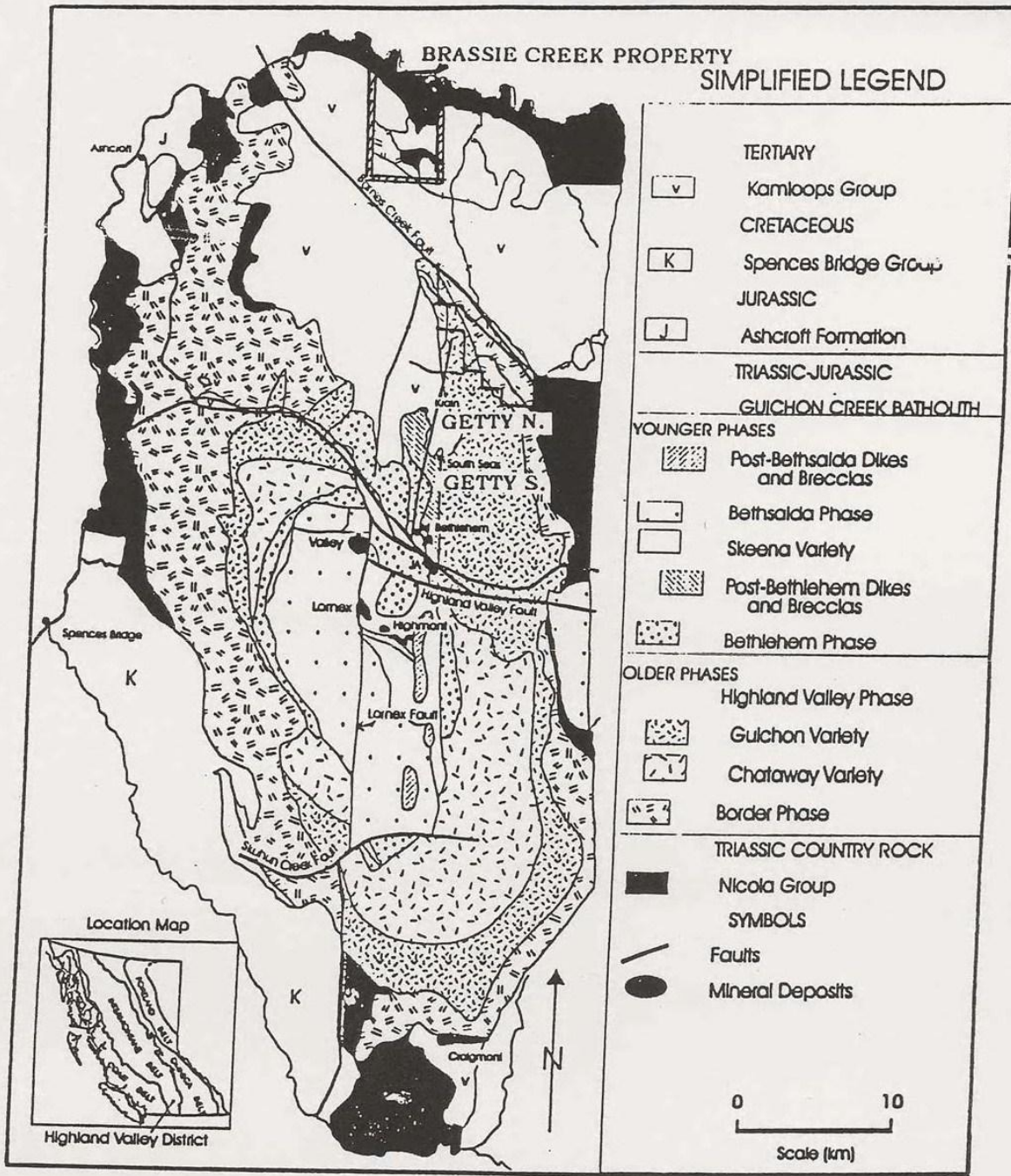


Figure 9 Regional and Local Geology

Figure 9 Regional Geology after Leriche 1996





After Casselman et.al. 1995.

GEOLOGY WITHIN BRASSIE CLAIM GROUP – Imap BC ONLINE
LTrJgd – Intrusive – Granodiorite

Coordinate Position

BC Albers: 1350509, 647972

Geographic: 50° 44' 9" N, 121° 1' 37" W

UTM 10N: 639230, 5622293

Geological Bedrock - Outlined

AGE_GROUP: 208_intrusive rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1645
DATA_SOURCE_ID: 1004
GEOLOGICAL_ERA: Mesozoic
GEOLOGICAL_PERIOD: Triassic to Jurassic
GEOLOGY_UNIT_CODE: TrJgd_O
LITHOLOGY_CODE: 83
MAXIMUM_AGE_NAME: Late Triassic
MAXIMUM_AGE_VALUE: 235
MINIMUM_AGE_NAME: Early Jurassic
MINIMUM_AGE_VALUE: 178
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Granodiorite, quartz diorite, quartz monzonite; lesser monzonite, diorite and gabbro
PROJECT_NAME: Okanagan
ROCK_CLASS: intrusive rocks
ROCK_TYPE_CODE: gd
ROCK_TYPE_DESCRIPTION: granodioritic intrusive rocks
STRATIGRAPHIC_AGE_CODE: 20820
STRATIGRAPHIC_AGE_NAME: Late Triassic to Early Jurassic
STRATIGRAPHIC_NAME: Unnamed
STRATIGRAPHIC_UNIT_CODE: LTrJgd
STRATIGRAPHIC_UNIT_CODE_1M: TrJgd
TECTONIC_ASSEMBLAGE_CODE: TrJg
TECTONIC_ASSEMBLAGE_NAME: Triassic-Jurassic - granodioritic
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: LTrJgd - Mesozoic - Late Triassic to Early Jurassic granodioritic intrusive rocks
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OBJECTID: 27953
AREA: 2701677804.59759
LEN: 1269462.97003393

Geological Bedrock - Colour Themed

AGE_GROUP: 208_intrusive rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1645
DATA_SOURCE_ID: 1004
GEOLOGICAL_ERA: Mesozoic
GEOLOGICAL_PERIOD: Triassic to Jurassic
GEOLOGY_UNIT_CODE: TrJgd_O
LITHOLOGY_CODE: 83

MAXIMUM_AGE_NAME: Late Triassic
MAXIMUM_AGE_VALUE: 235
MINIMUM_AGE_NAME: Early Jurassic
MINIMUM_AGE_VALUE: 178
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Granodiorite, quartz diorite, quartz monzonite; lesser monzonite, diorite and gabbro
PROJECT_NAME: Okanagan
ROCK_CLASS: intrusive rocks
ROCK_TYPE_CODE: gd
ROCK_TYPE_DESCRIPTION: granodioritic intrusive rocks
STRATIGRAPHIC_AGE_CODE: 20820
STRATIGRAPHIC_AGE_NAME: Late Triassic to Early Jurassic
STRATIGRAPHIC_NAME: Unnamed
STRATIGRAPHIC_UNIT_CODE: LTrJgd
STRATIGRAPHIC_UNIT_CODE_1M: TrJgd
TECTONIC_ASSEMBLAGE_CODE: TrJg
TECTONIC_ASSEMBLAGE_NAME: Triassic-Jurassic - granodioritic
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: LTrJgd - Mesozoic - Late Triassic to Early Jurassic granodioritic intrusive rocks
#SHAPE#: [Geometry]
OBJECTID: 27953
AREA: 2701677804.59759
LEN: 1269462.97003393

Mineral Tenures - Outlined

ENTRY_TIMESTAMP: Aug 7, 2012
ENTRY_USERID: MTA_ONLINE
MTA_TENURE_TYPE_CODE: M
REVISION_NUMBER: 0
SDGW_REPL_TIME: Aug 7, 2012
SDGW_SRC_FID: 12107761
TENURE_NUMBER_ID: 1011864
UPDATE_TIMESTAMP: Aug 7, 2012
UPDATE_USERID: MTA_ONLINE
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AREA: 2454548.5609035
LEN: 6356.77022513463

NICOLA GROUP - uTrNC - Mesozoic - Upper Triassic andesitic volcanic rocks

Coordinate Position

BC Albers: 1349140, 649390
 Geographic: 50° 44' 57" N, 121° 2' 42" W
 UTM 10N: 637924, 5623768

Geological Bedrock - Outlined

AGE_GROUP: 209_volcanic rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1302
DATA_SOURCE_ID: 1004
FORMATION_NAME: Central Volcanic Facies
GEOLOGICAL_ERA: Mesozoic

GEOLOGICAL_PERIOD: Triassic
GEOLOGY_UNIT_CODE: uTrNc_O
GROUP_SUITE_NAME: Nicola Group
LITHOLOGY_CODE: 43
MAXIMUM_AGE_NAME: Upper Triassic
MAXIMUM_AGE_VALUE: 235
MINIMUM_AGE_NAME: Upper Triassic
MINIMUM_AGE_VALUE: 208
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Intermediate pyroclastic rocks; local pillowed and plagioclase porphyry flows
PROJECT_NAME: Okanagan
ROCK_CLASS: volcanic rocks
ROCK_TYPE_CODE: va
ROCK_TYPE_DESCRIPTION: andesitic volcanic rocks
STRATIGRAPHIC_AGE_CODE: 20910
STRATIGRAPHIC_AGE_NAME: Upper Triassic
STRATIGRAPHIC_NAME: Nicola Group - Central Volcanic Facies
STRATIGRAPHIC_UNIT_CODE: uTrNC
STRATIGRAPHIC_UNIT_CODE_1M: uTrJNc
TECTONIC_ASSEMBLAGE_CODE: TrJN
TECTONIC_ASSEMBLAGE_NAME: Nicola
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: uTrNC - Mesozoic - Upper Triassic andesitic volcanic rocks
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AREA: 847354843.659489
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Geological Bedrock - Colour Themed

AGE_GROUP: 209_volcanic rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1302
DATA_SOURCE_ID: 1004
FORMATION_NAME: Central Volcanic Facies
GEOLOGICAL_ERA: Mesozoic
GEOLOGICAL_PERIOD: Triassic
GEOLOGY_UNIT_CODE: uTrNc_O
GROUP_SUITE_NAME: Nicola Group
LITHOLOGY_CODE: 43
MAXIMUM_AGE_NAME: Upper Triassic
MAXIMUM_AGE_VALUE: 235
MINIMUM_AGE_NAME: Upper Triassic
MINIMUM_AGE_VALUE: 208
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Intermediate pyroclastic rocks; local pillowed and plagioclase porphyry flows
PROJECT_NAME: Okanagan
ROCK_CLASS: volcanic rocks
ROCK_TYPE_CODE: va
ROCK_TYPE_DESCRIPTION: andesitic volcanic rocks
STRATIGRAPHIC_AGE_CODE: 20910
STRATIGRAPHIC_AGE_NAME: Upper Triassic
STRATIGRAPHIC_NAME: Nicola Group - Central Volcanic Facies
STRATIGRAPHIC_UNIT_CODE: uTrNC
STRATIGRAPHIC_UNIT_CODE_1M: uTrJNc
TECTONIC_ASSEMBLAGE_CODE: TrJN

TECTONIC_ASSEMBLAGE_NAME: Nicola
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: uTrNC - Mesozoic - Upper Triassic andesitic volcanic rocks
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OBJECTID: 22129
AREA: 847354843.659489
LEN: 507429.147022931

SEDIMENTARY ROCKS - ImJA - Mesozoic - Lower Jurassic to Middle Jurassic mudstone, siltstone, shale fine clastic sedimentary rocks

Coordinate Position

BC Albers: 1352386, 647916
 Geographic: 50° 44' 2" N, 121° 0' 2" W
 UTM 10N: 641104, 5622155

Geological Bedrock - Outlined

AGE_GROUP: 205_sedimentary rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 2541
DATA_SOURCE_ID: 1004
FORMATION_NAME: Ashcroft Formation
GEOLOGICAL_ERA: Mesozoic
GEOLOGICAL_PERIOD: Jurassic
GEOLOGY_UNIT_CODE: ImJA_O
LITHOLOGY_CODE: 14
MAXIMUM_AGE_NAME: Lower Jurassic
MAXIMUM_AGE_VALUE: 208
MINIMUM_AGE_NAME: Middle Jurassic
MINIMUM_AGE_VALUE: 157.100006103516
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Argillite, siltstone, sandstone, conglomerate; minor carbonate
PROJECT_NAME: Okanagan
ROCK_CLASS: sedimentary rocks
ROCK_TYPE_CODE: sf
ROCK_TYPE_DESCRIPTION: mudstone, siltstone, shale fine clastic sedimentary rocks
STRATIGRAPHIC_AGE_CODE: 20540
STRATIGRAPHIC_AGE_NAME: Lower Jurassic to Middle Jurassic
STRATIGRAPHIC_NAME: Ashcroft Formation
STRATIGRAPHIC_UNIT_CODE: ImJA
STRATIGRAPHIC_UNIT_CODE_1M: ImJAh
TECTONIC_ASSEMBLAGE_CODE: JHA
TECTONIC_ASSEMBLAGE_NAME: Hall
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: ImJA - Mesozoic - Lower Jurassic to Middle Jurassic mudstone, siltstone, shale fine clastic sedimentary rocks
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AREA: 279005957.516657
LEN: 331699.313278524

Geological Bedrock - Colour Themed

AGE_GROUP: 205_sedimentary rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 2541
DATA_SOURCE_ID: 1004
FORMATION_NAME: Ashcroft Formation
GEOLOGICAL_ERA: Mesozoic
GEOLOGICAL_PERIOD: Jurassic
GEOLOGY_UNIT_CODE: ImJA_O
LITHOLOGY_CODE: 14
MAXIMUM_AGE_NAME: Lower Jurassic
MAXIMUM_AGE_VALUE: 208
MINIMUM_AGE_NAME: Middle Jurassic
MINIMUM_AGE_VALUE: 157.100006103516
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Argillite, siltstone, sandstone, conglomerate; minor carbonate
PROJECT_NAME: Okanagan
ROCK_CLASS: sedimentary rocks
ROCK_TYPE_CODE: sf
ROCK_TYPE_DESCRIPTION: mudstone, siltstone, shale fine clastic sedimentary rocks
STRATIGRAPHIC_AGE_CODE: 20540
STRATIGRAPHIC_AGE_NAME: Lower Jurassic to Middle Jurassic
STRATIGRAPHIC_NAME: Ashcroft Formation
STRATIGRAPHIC_UNIT_CODE: ImJA
STRATIGRAPHIC_UNIT_CODE_1M: ImJAh
TECTONIC_ASSEMBLAGE_CODE: JHA
TECTONIC_ASSEMBLAGE_NAME: Hall
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: ImJA - Mesozoic - Lower Jurassic to Middle Jurassic mudstone, siltstone, shale fine clastic sedimentary rocks
#SHAPE#: [Geometry]
OBJECTID: 43185
AREA: 279005957.516657
LEN: 331699.313278524

GEOLOGY SOUTH OF BRASSIE CLAIM GROUP
LTrJGBo - Mesozoic - Late Triassic to Early Jurassic quartz dioritic intrusive rocks - Guichon Creek Batholith

Coordinate Position

BC Albers: 1348858, 646222

Geographic: 50° 43' 16" N, 121° 3' 7" W

UTM 10N: 637503, 5620618

Geological Bedrock - Outlined

AGE_GROUP:	208_intrusive rocks
AUTHOR_NAMES:	P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID:	221
DATA_SOURCE_ID:	1004
FORMATION_NAME:	Border Phase
GEOLOGICAL_ERA:	Mesozoic
GEOLOGICAL_PERIOD:	Triassic to Jurassic
GEOLOGY_UNIT_CODE:	TrJGqd_O
GROUP_SUITE_NAME:	Guichon Creek Batholith
LITHOLOGY_CODE:	91
MAXIMUM_AGE_NAME:	Late Triassic
MAXIMUM_AGE_VALUE:	235
MINIMUM_AGE_NAME:	Early Jurassic
MINIMUM_AGE_VALUE:	178
MORPHOTECTONIC_BELT:	Intermontane
ORIGINAL_DESCRIPTION:	Quartz diorite to granodiorite; minor diorite
PROJECT_NAME:	Okanagan
ROCK_CLASS:	intrusive rocks
ROCK_TYPE_CODE:	qd
ROCK_TYPE_DESCRIPTION:	quartz dioritic intrusive rocks
STRATIGRAPHIC_AGE_CODE:	20820
STRATIGRAPHIC_AGE_NAME:	Late Triassic to Early Jurassic
STRATIGRAPHIC_NAME:	Guichon Creek Batholith - Border Phase
STRATIGRAPHIC_UNIT_CODE:	LTrJGBo
STRATIGRAPHIC_UNIT_CODE_1M:	TrJqd
TECTONIC_ASSEMBLAGE_CODE:	EJgG
TECTONIC_ASSEMBLAGE_NAME:	Early Jurassic - Guichon
TERRANE_CODE:	Qu
TERRANE_NAME:	Quesnel
UNIT:	LTrJGBo - Mesozoic - Late Triassic to Early Jurassic quartz dioritic intrusive rocks
#SHAPE#:	[Geometry]
OBJECTID:	3745
AREA:	366914308.580504
LEN:	347077.839613422

Geological Bedrock - Colour Themed

AGE_GROUP:	208_intrusive rocks
AUTHOR_NAMES:	P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID:	221
DATA_SOURCE_ID:	1004
FORMATION_NAME:	Border Phase
GEOLOGICAL_ERA:	Mesozoic
GEOLOGICAL_PERIOD:	Triassic to Jurassic

GEOLOGY_UNIT_CODE: TrJGqd_O
GROUP_SUITE_NAME: Guichon Creek Batholith
LITHOLOGY_CODE: 91
MAXIMUM_AGE_NAME: Late Triassic
MAXIMUM_AGE_VALUE: 235
MINIMUM_AGE_NAME: Early Jurassic
MINIMUM_AGE_VALUE: 178
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Quartz diorite to granodiorite; minor diorite
PROJECT_NAME: Okanagan
ROCK_CLASS: intrusive rocks
ROCK_TYPE_CODE: qd
ROCK_TYPE_DESCRIPTION: quartz dioritic intrusive rocks
STRATIGRAPHIC_AGE_CODE: 20820
STRATIGRAPHIC_AGE_NAME: Late Triassic to Early Jurassic
STRATIGRAPHIC_NAME: Guichon Creek Batholith - Border Phase
STRATIGRAPHIC_UNIT_CODE: LTrJGBo
STRATIGRAPHIC_UNIT_CODE_1M: TrJqd
TECTONIC_ASSEMBLAGE_CODE: EJgG
TECTONIC_ASSEMBLAGE_NAME: Early Jurassic - Guichon
TERRANE_CODE: Qu
TERRANE_NAME: Quesnel
UNIT: LTrJGBo - Mesozoic - Late Triassic to Early Jurassic quartz dioritic intrusive rocks
#SHAPE#: [Geometry]
OBJECTID: 3745
AREA: 366914308.580504
LEN: 347077.839613422

EKav - Cenozoic - Kamloops Group- Eocene undivided volcanic rocks

Coordinate Position

BC Albers: 1348470, 648036
 Geographic: 50° 44' 15" N, 121° 3' 20" W
 UTM 10N: 637195, 5622445

Geological Bedrock - Outlined

AGE_GROUP: 105_volcanic rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1647
DATA_SOURCE_ID: 1004
GEOLOGICAL_ERA: Cenozoic
GEOLOGICAL_PERIOD: Paleogene
GEOLOGY_UNIT_CODE: EKv_O
GROUP_SUITE_NAME: Kamloops Group
LITHOLOGY_CODE: 40
MAXIMUM_AGE_NAME: Eocene
MAXIMUM_AGE_VALUE: 56.5
MINIMUM_AGE_NAME: Eocene
MINIMUM_AGE_VALUE: 35.4000015258789
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Basalt, andesite, dacite, trachyte, rhyolite; related tuffs and breccias; minor amounts of mudstone, shale, sandstone and conglomerate; includes Dewdrop Flats Formation

PROJECT_NAME: Okanagan
ROCK_CLASS: volcanic rocks
ROCK_TYPE_CODE: v
ROCK_TYPE_DESCRIPTION: undivided volcanic rocks
STRATIGRAPHIC_AGE_CODE: 10542
STRATIGRAPHIC_AGE_NAME: Eocene
STRATIGRAPHIC_NAME: Kamloops Group
STRATIGRAPHIC_UNIT_CODE: EKav
STRATIGRAPHIC_UNIT_CODE_1M: ETKm
TECTONIC_ASSEMBLAGE_CODE: PgTK
TECTONIC_ASSEMBLAGE_NAME: Kamloops
TERRANE_CODE: Ov
TERRANE_NAME: Overlap
UNIT: EKav - Cenozoic - Eocene undivided volcanic rocks
#SHAPE#: [Geometry]
OBJECTID: 27985
AREA: 3090890875.05751
LEN: 1177649.53803799

Geological Bedrock - Colour Themed

AGE_GROUP: 105_volcanic rocks
AUTHOR_NAMES: P. Schiarizza and B. N. Church
BEDROCK_UNIT_ID: 1647
DATA_SOURCE_ID: 1004
GEOLOGICAL_ERA: Cenozoic
GEOLOGICAL_PERIOD: Paleogene
GEOLOGY_UNIT_CODE: EKv_O
GROUP_SUITE_NAME: Kamloops Group
LITHOLOGY_CODE: 40
MAXIMUM_AGE_NAME: Eocene
MAXIMUM_AGE_VALUE: 56.5
MINIMUM_AGE_NAME: Eocene
MINIMUM_AGE_VALUE: 35.4000015258789
MORPHOTECTONIC_BELT: Intermontane
ORIGINAL_DESCRIPTION: Basalt, andesite, dacite, trachyte, rhyolite; related tuffs and breccias; minor amounts of mudstone, shale, sandstone and conglomerate; includes Dewdrop Flats Formation

PROJECT_NAME: Okanagan
ROCK_CLASS: volcanic rocks
ROCK_TYPE_CODE: v
ROCK_TYPE_DESCRIPTION: undivided volcanic rocks
STRATIGRAPHIC_AGE_CODE: 10542
STRATIGRAPHIC_AGE_NAME: Eocene
STRATIGRAPHIC_NAME: Kamloops Group
STRATIGRAPHIC_UNIT_CODE: EKav
STRATIGRAPHIC_UNIT_CODE_1M: ETKm
TECTONIC_ASSEMBLAGE_CODE: PgTK
TECTONIC_ASSEMBLAGE_NAME: Kamloops
TERRANE_CODE: Ov
TERRANE_NAME: Overlap
UNIT: EKav - Cenozoic - Eocene undivided volcanic rocks
#SHAPE#: [Geometry]
OBJECTID: 27985
AREA: 3090890875.05751
LEN: 1177649.53803799

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

The five (5) claim Brassie Claim Group covers an area of 613 hectares located 222 kilometres east-northeast of Vancouver and 70 kilometres west of Kamloops where within 15 kilometres two past producing mines have been re-explored, and are developed mineral resources.

The New Afton mineral reserves are reported as 4.8 million ounces gold, 54.7 million ounces of silver, and 2.75 billion pounds of copper. The Ajax mine, is reportedly scheduled for production in early 2015 at 60,000 tonnes per day for a 23 year mine life. The Ajax mineral resource is reported at 365 million tonnes grading 0.31% copper and 0.20 grams per tonne gold.

The Highland Valley Mine located 39 kilometres south of the Brassie Claim Group has been in production since 1983 and is processing 120,000 to 130,000 tonnes per day. Reported proven and probable mineral reserves as of December 31, 2011 are reported at 673,000,000 tonnes with a grade of 0.29 % copper. The Reserves are reportedly expected to support a mine life to 2026 (Teck Annual Information Report; March 5, 2012).

Both the New Afton and the Ajax mineral resources are predominantly hosted by the Late Triassic Iron Mask Batholith; a sub-volcanic multiple intrusion of dioritic to syenitic composition which lies lengthwise northwesterly for 35 kilometres long and up to 10 kilometres wide in a major cross structure of the Quesnel Trough and is emplaced in contemporaneous volcanic rocks of the Upper Triassic Nicola Group

The Valley deposit of the Highland Valley Mine south of the Brassie Claim Group is hosted by the Bethsaida porphyritic quartz monzonite and granodiorite phase of the Late Triassic to Early Jurassic Guichon Creek batholith. Leriche (1996) reports that the Guichon Creek batholith is internally divided into segments by northerly and northwest to westerly trending structures where both fault sets played important roles in localizing mineralization.

The Guichon Creek Batholith and Nicola Group rocks are host to several types of copper deposits including the world-class porphyry deposits at Highland Valley within the central portion of the Batholith, **the skarn deposits at the Craigmont Mine hosted by Nicola aged limestones at the south end of the Batholith**, and the Getty copper oxide/porphyry deposits hosted by the Guichon Batholith between the Valley deposit and the Brassie Creek Claim Group Property close to a breccia pipe just to the east of a major north-south fault. ***The Northerly trending faults associated with porphyry copper mineralization in the Getty North and South areas may project northward into the Brassie Creek area (Dawson, 2005) where stocks, sills and dykes of dioritic to monzonitic composition related to the Guichon Batholith occur.***

Within the Brassie Claim Group, Tenure 1011864 envelopes an area of historical exploration dating from the late 1800's when a 23 metre long adit was completed to explore a northwesterly trending zone of fracture controlled mineralization, Samples from the Brassie prospect analysed 0.26% copper over one metre and from the Hasso showing of minor disseminated malachite in quartz-carbonate veinlets, a select sample analysed 0.44% copper. A select sample of diorite with malachite stains along fractures, returned values of 5973 ppm (0.59%) copper, 11 ppb gold, and 9.0 ppm silver Leriche (1996).

Diamond drilling in 1998 returned assays of up to 0.24% copper, and 1.9% zinc over a 14 metre intersection.

(Wells 2000) The Pennie Lake to Rattlesnake Creek area including the Brassie Creek gorge is geologically quite complex with patchy bedrock exposures. It probably represents a roof zone to border phase monzonitic to dioritic intrusions of the Guichon Creek Batholith (Triassic). Two

kilometre scale **dioritic stocks occur in this area, one southeast of Pennie Lake and the other beneath the benchland northeast of Brassie gorge (to Rattlesnake Creek)**. Contact metamorphism is evident over a large area with **conversion of limestone to marble and malic volcanics to variably magnetic hornfels with patchy epidote**. This setting is complicated by displacements along northwest trending fault zones. Previous exploration identified several magnetite lenses at marble-volcanic contacts in Brassie Creek gorge. The best known of these are the Brassie (Cu, Au, Ag, Zn) and Hasso (Cu, Ag, Au, Zn, Pb) occurrences. These returned copper and zinc values in the 0.2% to 0.45% range, gold up to 1 g/t and silver up to 200 g/t (Hasso) during 1996 exploration (Piroshco, 1996). Fracture controlled mineralization in the adit area 200 to 300 meters to the north has previously returned silver values up to 19.84 oz/t, 0.3 1% copper and 0.12% lead (Wendebom, 1970).

In the lower **Rattlesnake Creek area** BP Minerals identified disseminated copper mineralization **in intrusive breccia** in an area where **diorites are intruded by later quartz monzonite and porphyry bodies (Findlay, 1975)**. Minequest (Ridley, 1983) suggested that a rhyolite intrusion in this area was Tertiary in age (the quartz porphyry?). The Rattlesnake Creek area has gold mineralization in a variety of settings including silicified Ashcroft conglomerate (up to 335 ppb Au), disseminated in porphyry (100ppb) and quartz veinlet stockworks in diorite (further to south up to 780ppb Au). Some of this gold mineralization is clearly post-Jurassic (Tertiary age?) and has associated anomalous arsenic and mercury values (epithermal). The Northern Brassie-Rattlesnake Creek area features a mixed sequence of Nicola Group (Triassic) mafic volcanic and sedimentary rocks (mainly thick limestone beds) intruded by dioritic to monzonite composition dikes, sills and stocks. These are overlain with angular unconformity by Ashcroft Formation (Jurassic) elastic sediments with basal conglomerates. (Wells 2000).

TECHNICAL DATA AND INTERPRETATION

Table II. Summarized Assay Results- Grab Samples-Ellerbeck (2013) -Brassie Claim Group

Sample No.	Sample Type	Cu ppm	Pb ppm	Zn ppm	Au ppm	Ag ppm
BR-4	Grab	40.5	5.4	125	<0.20	0.24
BR-8	Grab	645	1000	685	<0.20	7.63
BR-10	Grab	991	359	1860	<0.20	1.66
BR-11	Grab	43.7	7.9	95	<0.20	0.06

PURPOSE

In September 2013 a prospecting program was completed on Tenures 924649, 1014024, and 1011864 of the five (5) claim Brassie Claim Group. The purpose of the prospecting program was to locate and re-examine some historic showings as well as to prospect out from these showings to determine if there were unidentified outcrops and showings of significance. Information for this report was obtained from sources as cited under Selected References and from a property examination made on September 14-15, 2013.

In particular the Author wanted to examine bedrock outcrops in the Brassie Creek Group to see if unmapped rhyolite or dioritic intrusions were present in the claim area and in particular in the Rattlesnake Creek area of the claims, since a rhyolite intrusive is known to host significant gold values and a quartz veinlet stockworks in diorite in the same area contains gold values.

ASSAY RESULTS of Rock Samples – Non-Outcrop:

Sample BR-4: Quartz-in-conglomerate – Rattlesnake Creek – anomalous Cu, Zn

Sample BR-8: Float -Iron-in-limestone – covered trench in limestone outcrops – elevated Cu, Pb, Zn, Ag values – confirmed historic elevated values;

Sample BR-10: Float - Iron-in-limestone -53 m west of BR-8 – covered trench - elevated Cu, Pb, Zn, Ag values – confirmed historic elevated values;

Sample BR-11: Float - Iron-in-limestone at – covered trench - anomalous Cu, Zn

PROSPECTING RESULTS - Outcrops

Sample BR-1: confirmed historic geological mapping

Sample BR-2: confirmed historic geological mapping

Sample BR-3: confirmed historic geological mapping

Sample BR-5: New mapping – granodiorite – further exploration required

Sample BR-6: confirmed historic geological mapping

Sample BR-7: confirmed historic geological mapping

Sample BR-9: confirmed historic geological mapping

INTERPRETATIONS AND CONCLUSIONS

The reported presence of various minerals in historic showings and work locations was confirmed by the Rock Samples BR-4, BR-8, BR-10 and BR-11 of the 2013 work program. Prospecting revealed the presence of an unmapped Granodiorite intrusive (Sample BR-5) in the immediate vicinity of Rattlesnake Creek. The potential for economic mineral zones on the Brassie Property could occur as porphyries in the Guichon intrusive related rocks or as skarn mineral deposits hosted by major structures with no preference to rock type.

SUMMARY AND RECOMMENDATIONS

The Brassy Creek Claim Group is geologically complex. It is possibly a border phase monzonitic to dioritic intrusions of the Guichon Creek Batholith (Triassic).

Dioritic stocks occur within the claim group in the area which was prospected in 2013 lying beneath the benchland northeast of Brassy gorge and continuing to Rattlesnake Creek.

Contact metamorphism is evident over a large area with conversion of limestone to marble, some containing mineralization, in the prospected area.

This setting is complicated by displacements along northwest trending fault zones. Previous exploration identified several magnetite lenses at marble-volcanic contacts in Brassy Creek gorge.

Intrusives have introduced gold values associated with rhyolite and with quartz veinlets in sedimentary rocks in Rattlesnake Creek.

A program of intensive prospecting and mapping of all the outcrops in the vicinity of Rattlesnake Creek lying within the Brassie Claim Group (and beyond) is recommended in order to understand all of the influences of the possible Guichon Batholith intrusive.

ITEMIZED COST STATEMENT

Exploration Work Type	Comment	Days			TOTALS
Field - Prospecting					
PERSONNEL	POSITION	FIELD DATES	RATE	SUBTOTAL	
Ken Ellerbeck (K.E.)	Owner	Sept 14-15 2013	\$400	\$800	
				\$800	\$800
Office Studies	Personnel – Office only				
Literature Search	K.E.	0.5	\$400	\$200	
Database Compilation	K.E.	0.5	\$400	\$200	
General Research	K.E.				
Report Preparation	K.E.	1.0	\$400	\$400	
Other					
				\$800	\$800
Ground Exp. Surveys	K.E.	See "Field" above			
Geochemical Survey		Number - Samples	Rate	SUBTOTAL	
Rock	ALS Labs	4		\$167.50	
					\$167.50
Transportation		Number - Km.	Rate	SUBTOTAL	
Mileage	K.E.	290	\$0.55	\$159.50	
					\$159.50
Accomodation - Food					
Equipment Rentals					
Miscellaneous					
TOTAL EXPENDITURES					\$1927.00

STATEMENT OF AUTHOR'S QUALIFICATIONS

KEN ELLERBECK

BRASSIE CLAIM GROUP

EVENT # 5469891

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

KEN ELLERBECK

September 30, 2013

LIST OF SELECTED REFERENCES

Dawson, K.M. – 2005: Review of 2005 Trenching program and Proposed Drill Program for Brassie Creek Skarn Deposit, Walhachin, B.C. for Christopher Lames Gold Corporation. August 30, 2005.

Lerliche, P.D., Pirocho, D. – 1996: Summary Report on the Brassie Creek Property for Christopher James Gold Corp. 2 December 1996.

Wells, R.C. – 2000: Report on the 1999 Exploration Program on the Brassie Creek Property for Christopher James Gold Corporation. January 20, 2000. AR 26,155.

Sookochoff, L., - 2012: Report on the 2012 Geological Assessment Report (Event 5399509) on a structural analysis for Ken Ellerbeck, August 2012.

Solat, Hughes P., - 1991: Detailed Geological Mapping Grid Area. August 15, 1991. AR 21625

LIST OF SOFTWARE PROGRAMS USED

ADOBE PHOTOSHOP 7.0

ARIS MAPBUILDER – Map Data downloads

Imap BC – Map Data downloads

MtOnline - MINFILE downloads.

APPENDIX 1

SAMPLE PREPARATION AND METHOD OF ANALYSIS

Page: 1
 Finalized Date: 28-SEP-2013
 This copy reported on
 30-SEP-2013
 Account: ELLERK

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

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



CERTIFICATE KL13169540

Project: P.O. No.: This report is for 4 Rock samples submitted to our lab in Kamloops, BC, Canada on 19-SEP-2013.
--

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

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS

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

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: 

Colin Ramshaw, Vancouver Laboratory Manager



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 28-SEP-2013
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CERTIFICATE OF ANALYSIS KL13169540

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: ME-MS41
 Interference: Samples with Ca > 10% on ICP-MS As. ICP-AES As results reported (2 ppm DL)

Applies to Method: ME-MS41
 Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

LABORATORY ADDRESSES

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

Applies to Method: ME-MS41
 Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

**APPENDIX 2
ASSAY RESULTS**

Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 28-SEP-2013
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CERTIFICATE OF ANALYSIS KL13169540

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm
		0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
4		0.89	0.24	0.57	8	<0.2	10	500	0.33	0.03	12.55	0.62	9.11	16.5	18	0.65
8		1.93	7.63	0.49	91.7	<0.2	10	490	0.25	0.22	6.16	54.7	10.45	7.7	6	8.83
10		1.49	1.66	0.31	487	<0.2	30	180	0.67	2.39	18.95	22.4	26.6	8.0	6	2.81
11		1.14	0.06	1.40	8.3	<0.2	<10	80	0.09	0.02	1.10	0.29	7.77	12.8	12	0.82

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



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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 28-SEP-2013
 Account: ELLERK

CERTIFICATE OF ANALYSIS KL13169540

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
4		40.5	4.31	1.59	0.10	0.07	0.25	0.026	0.05	4.2	4.4	4.17	1110	0.50	0.03	0.07
8		645	3.33	3.36	0.18	0.11	10.70	0.247	0.08	4.8	3.5	0.18	1340	6.91	0.02	0.06
10		991	9.44	4.34	0.84	0.12	11.40	0.819	0.03	16.4	1.6	0.10	3640	29.0	<0.01	0.19
11		43.7	4.52	7.96	0.12	0.07	0.95	0.043	0.09	3.4	15.3	1.18	639	2.33	0.06	<0.05

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

KEN ELLERBECK

September 30, 2013

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BRASSIE CLAIM GROUP

EVENT # 5469891



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Page: 2 - C
 Total # Pages: 2 (A - D)
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 Finalized Date: 28-SEP-2013
 Account: ELLERK

CERTIFICATE OF ANALYSIS KL13169540

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41		
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
4		18.6	340	5.4	1.9	<0.001	0.11	0.51	8.4	0.6	<0.2	223	<0.01	0.03	0.8	<0.005	
8		4.9	590	1000	7.8	0.002	0.09	22.1	6.7	13.6	0.5	57.8	0.01	0.47	0.4	0.008	
10		4.2	1880	359	3.0	0.008	0.07	47.2	4.2	36.4	0.9	131.5	0.01	2.99	0.4	0.011	
11		6.7	460	7.9	3.9	0.005	0.01	0.93	11.2	0.6	0.3	18.8	<0.01	0.02	0.5	0.012	

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



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 28-SEP-2013
 Account: ELLERK

CERTIFICATE OF ANALYSIS KL13169540

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.02	0.05	1	0.05	0.05	2	0.5
4		0.03	0.25	108	<0.05	12.65	125	2.5
8		0.06	2.20	58	1.03	16.75	685	3.4
10		0.04	4.64	68	7.82	32.8	1860	6.3
11		0.02	0.24	124	0.07	9.74	95	1.9

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

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September 30, 2013

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BRASSIE CLAIM GROUP

EVENT # 5469891