



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: 2015 Assessment Report on the TOPLEY RICHFIELD PROPERTY**

**TOTAL COST: \$197,713.37**

AUTHOR(S): Mike Middleton

SIGNATURE(S):

A handwritten signature in black ink, appearing to read "Mike Middleton", enclosed in a light grey rectangular box.

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-1-945

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5578517

YEAR OF WORK: 2015

PROPERTY NAME: Topley Richfield

CLAIM NAME(S) (on which work was done):

346698, 505689, 506626, 534818, 534820, 534821, 534822, 387812, 387813,  
387814, 387815, 387816, 387817, 407206, 407207, 407208, 666903, 1013868,  
1013869, 1013873, 1013874, 1013875, 1015238, 1015274, 1015289,  
1017500, 1017754, 1033022.

COMMODITIES SOUGHT: Pb, Zn, Ag, Au, Cu.

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093L 018

MINING DIVISION: OMINECA Mining Division

NTS / BCGS: NTS 093L09W

LATITUDE: 54 25 47N

LONGITUDE: 126 15 48W (at centre of work)

UTM Zone: 9-U(NAD 83) EASTING: UTM 676791m E NORTHING: 6053322m N

OWNER(S): CJL Enterprises Ltd

MAILING ADDRESS:

PO Box 662, 3176, Smithers, BC, V0J 2N0

Tel: Office 250 847 3612

Cell 250 877 8835

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

MAILING ADDRESS: Same as above

REPORT KEYWORDS Hazelton Group, Telkwa Fm, Nilkitkwa Fm, andesitic volcanic rocks, polymetallic sulphide veins, Low-sulphidation epithermal veins, carbonate alteration, sericite-quartz alteration

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

5438, 5553, 5707, 7817, 7957, 8525, 9294, 9563, 9875, 11454, 11704, 17374, 26020, 29234, 30104.

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	534820, 505689,506626, 346698	\$11,500
	Photo interpretation		
GEOPHYSICAL (line-kilometres)			
	Ground		
	Magnetic		
	Electromagnetic		
	Induced Polarization		
	Radiometric		
	Seismic		
	Other		
	Airborne		
GEOCHEMICAL (number of samples analysed for ...)			
	Soil		
	Silt		
	Rock/Trench	506626, 346698	\$27,213.37
	Other		
DRILLING (total metres, number of holes, size, storage location)			
	Core		
	Non-core		
RELATED TECHNICAL			
	Sampling / Assaying	506626, 346698	\$42,000
	Petrographic		
	Mineralographic		
	Metallurgic	506626, 346698	\$20,000
PROSPECTING (scale/area)		534820, 505689,506626, 346698	\$26,000
PREPATORY / PHYSICAL			
	Line/grid (km)		
	Topo/Photogrammetric (scale, area)		
	Legal Surveys (scale, area)		
	Road, local access (km)/trail	534821, 534818, 505689	\$26,000
	Trench (number/metres)	506626, 346698	\$45,000
	Underground development (metres)		
	Other		
		<b>TOTAL COST</b>	<b>\$197,713.37</b>

## 2015 Assessment Report on the TOPLEY RICHFIELD PROPERTY

Omineca Mining Division  
NTS 93L/09  
54°35.5'N Latitude  
126°15.5'W Longitude

Prepared by:

Mike Middleton

Operator:

**CJL Enterprises Ltd.**  
P.O. Box 662  
Smithers, B.C. V0J 2N0

Owner:

L.B. Warren

## SUMMARY

The Topley Richfield property is located in the Omineca Mining Division of British Columbia, about 60 kilometres east-southeast of Smithers, B.C. the property is road accessible by taking the Yellowhead highway (Hwy16) to Topley, B.C. then turning north on the Central Babine Lake highway (Hwy 118) for 8 Kilometers. The centre of the property is accessible by taking the Holmes Creek FSR for one Kilometer then following a network of logging and mining trails for two Kilometers. The property is located at 54°35.5'N and 126°15.5'W (NAD83, Zone 9: 676000 mE and 6054000 mN).

The Topley Richfield property consists of seven contiguous mineral claims covering an area of approximately 2,313 hectares. Recent negotiations have produced a joint venture with claims registered to Douglas Walker and Paul Perry to the south bringing the total claim group to 26 claims covering an area of 2,897 hectares.

Significant development from two mine levels occurred from 1927 to 1929 (~ 1600 m). In 1941, a 410 kilogram bulk sample was shipped to the then operating Provincial Government sample plant in Prince Rupert; the sample yielded recovered grades of 22.29 g/t Au, 913 g/t Ag, 4.6% Cu, 3.2% Pb and 5.5% Zn. Various geochemical and geophysical surveys and limited drilling programs were completed between 1967 and 1975. A Vancouver-based junior company acquired the Property in 1979 and completed exploration work the Property through to 1988. The work, performed by the junior company and by two major companies by way of option agreements, consisted of magnetic, electromagnetic and induced polarization (IP) surveys, 7,000 m of diamond drilling and 1,000 m of reverse circulation drilling. This work was aimed at exploring for extensions to mineralized zones within and adjacent to the main workings (claim 506626). Results of detailed underground sampling (B.C. Ministry of Energy and Mines Property File) indicate a number of areas with significant gold-silver values.

During the winter of 2015, the CJL crew was busy referencing old maps and pulling together all data on the Topley Richfield property. As the snow melted an exploration camp was set-up on the property with a two man crew working on the exploration/mapping program. Preliminary exploration focused on locating and sampling old trenches and surface workings that were uncovered in old journals, maps and annual reports. The focus for exploration was to fall back to the showings that first interested exploration and development on the property. Following the historic maps lead the CJL crew to the west limb trench, east vein shaft and numerous old trenches and previously unrecognized shafts on the property. Over 360m of trenches and an additional 5 shafts were located and mapped following the trend of the West Limb and the East Vein.

Programs to concentrate the ore were designed and tested. CJL contacted Mt. Baker Mining and Metals located in Bellingham, Washington USA. Mt. Baker designed a 2 ton/hr turnkey Ore Processing module using a simple gravity circuit. Samples of crushed ore were transported to their test facility and ran through the grinding circuit then concentrated on a large wavetable that Mount Baker Mining and Metals had set-up at their work yard. A Keenes gas powered crusher/roller unit was purchased by CJL Enterprises to crush and grind the ore. The product was then screened to 92% passing 20 mesh and ran over a small wavetable to concentrate the ore.

A rock sampling program to generate two 500kg samples was completed; one sample was collected from the West Limb showing and a second sample was a composite sample from the Main, West Limb, East Vein and three small stockpiles near shafts located south of the West Limb and East Vein. One 500kg sample was sent to a test plant to investigate the possibilities shipping raw ore directly to China.

In July, CJL received the required permits to begin a trenching program and a John Deere 200LC excavator was mobilized onto the property. The old Taylor Adit was excavated to clear away all the old rotten timbers and to expose the mineralization along the eastern edge of the dump site, No samples were taken from the adit when it was uncovered but personal communications with Lorne Warren verify that a large amount of malachite was visible within the confines of the portal during excavation

To help identify and quantify the mineralization on the property Dr. Nick Carter undertook an analysis to identify significant gold-silver intercepts obtained from diamond drilling programs completed between 1980 and 1987 and a more recent program completed in 2008. All of these programs included drilling to test the down-dip potential of the mineralized zones exposed in the underground workings as well as drill testing of geophysical and geochemical signatures mainly to the north of the workings.

## Table of Contents

SUMMARY .....	i
1.0 INTRODUCTION.....	1
2.0 PROPERTY DESCRIPTION AND LOCATION.....	1
3.0 MINERAL CLAIMS.....	2
4.0 PROPERTY HISTORY.....	5
5.0 REGIONAL GEOLOGY.....	6
6.0 PROPERTY GEOLOGY.....	9
7.0 MINERALIZATION.....	10
8.0 EXPLORATION PROGRAM.....	15
8.1 <b>Initial Ore Concentrate</b> .....	15
8.2 <b>Bulk Sample</b> .....	16
8.3 <b>Mechanized Work</b> .....	17
8.4 <b>Main Showing</b> .....	19
8.5 <b>East Vein Showing</b> .....	23
8.6 <b>West Limb Showing</b> .....	26
9.0 CONCLUSIONS AND RECOMMENDATIONS.....	30
10.0 REFERENCES.....	31
APPENDIX A - Mineral Claims.....	34
APPENDIX B - Statement of Qualification.....	36
APPENDIX C - Cost Statement.....	38
APPENDIX D – Assay Results.....	43
APPENDIX E - Large Format Map .....	57
Figure 1: Topley Richfield Property Location.....	3
Figure 2: Mineral Tenures .....	4
Figure 3: Schematic geological section of the Skeena Arch (MacIntyre, 2005).....	7
Figure 4: Regional Geology .....	8
Figure 5: Property Geology .....	12
Figure 6: Underground Sampling Locations .....	13
Figure 7: Cross Section Through Main Workings and DDH Intersects.....	14
Figure 8: Main Showing Testing.....	20
Figure 9: Main Showing Cleared.....	21
Figure 10: Located Workings on Property .....	22
Figure 11: East Vein Decline.....	25
Figure 12: West Limb Trench.....	27

## **1.0 INTRODUCTION**

Exploration during 2015 was designed to locate and sample all historic showings and to map the old trenches, shafts and declines within the property. With an estimated 20,000 tons of dump material situated on the Main Zone and another 47 tons on the West Limb dump, a program to concentrate the ore and prepare it for shipping to a mill was investigated. A published resource estimate (not 43-101 compliant) of 181,420 tonnes grading 4.25g/t gold and 192.9g/t silver (B.C. Ministry of Energy and Mines 93L 018) is situated on the property. Dr. Nick Carter re-evaluated the potential of this property in 1999 and estimated a resource of 70,000 tonnes grading 8.23g/t gold and 661.7g/t silver within the confines of the underground workings, notably within the “arsenic-rich vein” zone between surface and the 200ft Level.

Recent investigations have indicated a possible anticline between the West Limb showing and the East Vein creating an exciting drill target with a strike length of over 550m. Previous work has concentrated on the western portion of the property but historic reports have offered a new insight for exploration potential to the east, coupled with the proposed anticline a new exploration model needs to be implemented on the property.

## **2.0 PROPERTY DESCRIPTION AND LOCATION**

The Topley Richfield property is located in the Omineca Mining Division of British Columbia, about 60 kilometres east-southeast of Smithers, B.C. the property is road accessible by taking the Yellowhead highway (Hwy16) to Topley, B.C. then turning north on the Central Babine Lake highway (Hwy 118) for 8 Kilometers. The centre of the property is accessible by taking the Holmes Creek FSR for one Kilometer then following a network of logging and mining trails for two Kilometers. The property is located at 54°35.5'N and 126°15.5'W (NAD83, Zone 9: 676000 mE and 6054000 mN).

The Topley-Richfield Property is located on the Nechako Plateau at an elevation of approximately 1,100 m above sea level (“ASL”). The terrain in the region is best described as hilly with elevation ranging from approximately 1,100 m to 1,650 m ASL. The terrain around the main showings is almost flat and covered by glacial drift ranging in thickness from 3 to 80 feet. Very little outcrop is exposed on the property with the exception of east of the workings where some low, rocky ridges of volcanic rock can be found. The ground for the most part is a gently rolling slope grading towards the west-southwest.

Vegetation on the property consists of thick brush and grasses with well spaced spruce and pine trees to two feet in diameter. Several small creeks cross the claims and tend to dry up during the summer months. About one Kilometer south of the main workings lays the Richfield Creek running from the northeast towards the southwest. The slope greatly increases as you approach the main creek and the vegetation changes slightly

to thicker alder and immature spruce and pine. The climate for the area is moderate, with dry summers and long, cold winters. Snowfall is light, generally in the range of four to five feet. The property is close to all amenities with the main electrical power line on the western portion of the property and Topley, B.C. situated less than 10 kilometers away.

### **3.0 MINERAL CLAIMS**

The Topley Richfield property consists of seven contiguous mineral claims covering an area of approximately 2,313 hectares. Recent negotiations have produced a joint venture with claims registered to Douglas Walker and Paul Perry to the south bringing the total claim group to 26 claims covering an area of 2,897 hectares. A complete list of claims can be found in appendix A.



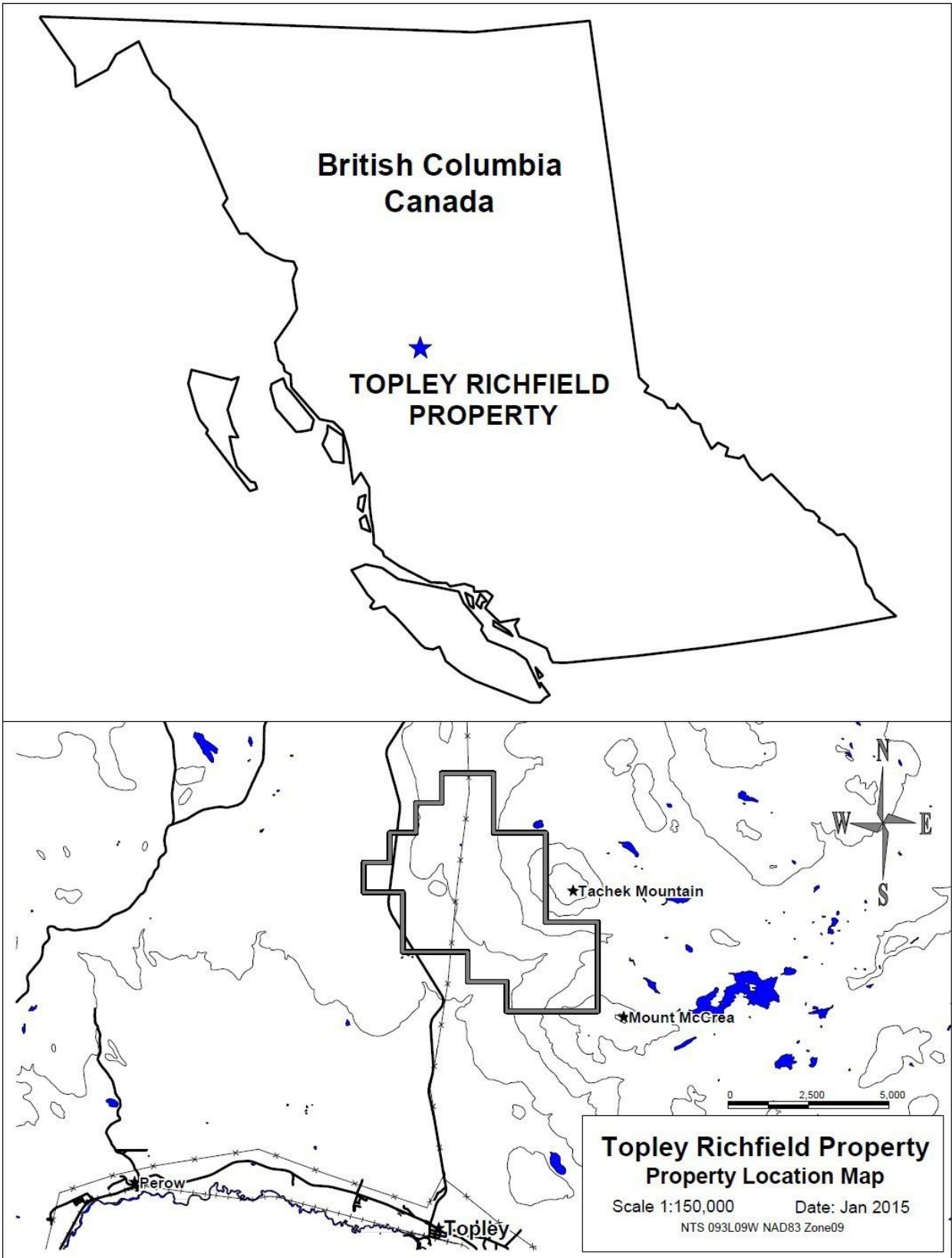


Figure 1: Topley Richfield Property Location

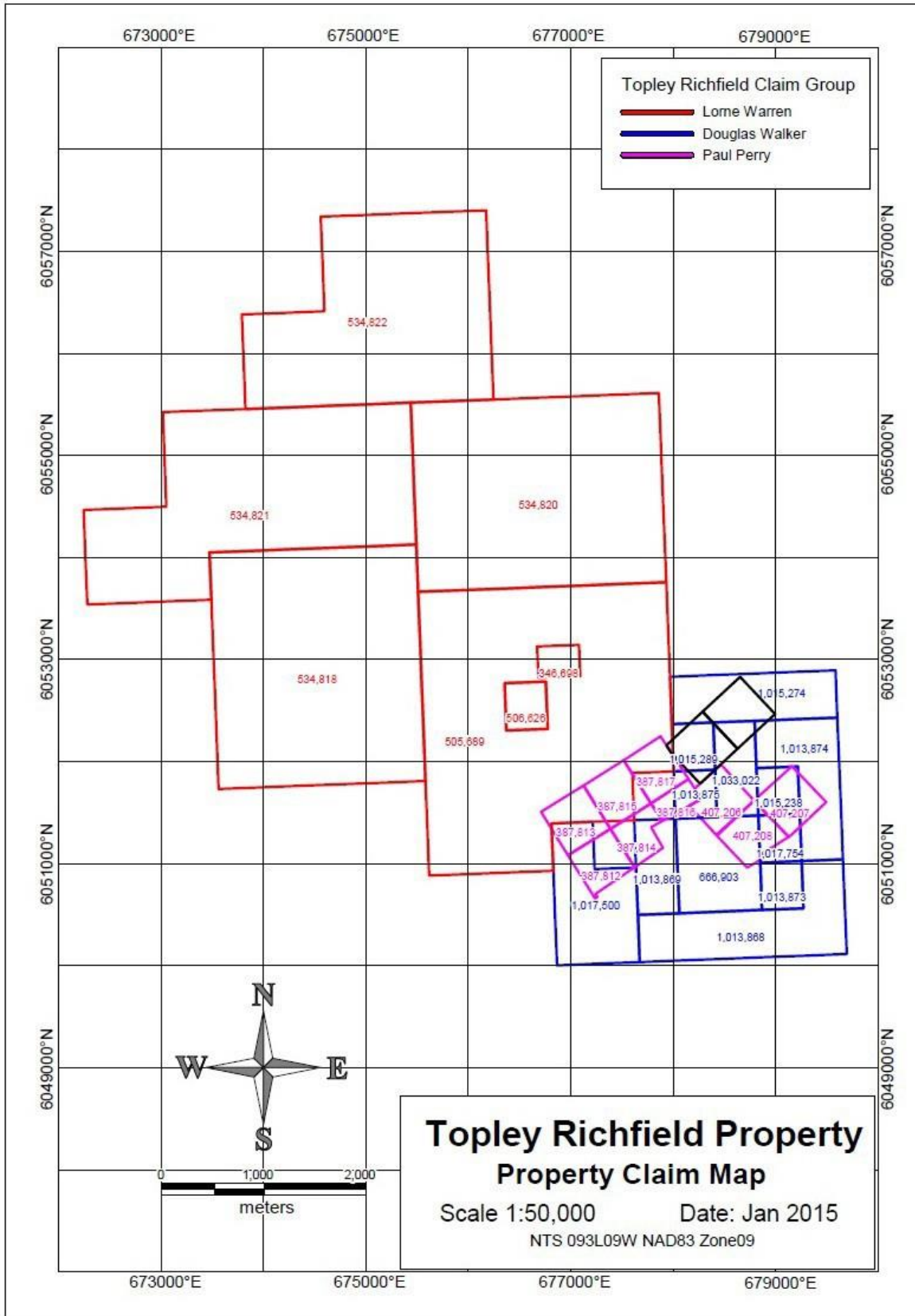


Figure 2: Mineral Tenures

## 4.0 PROPERTY HISTORY

Year	Company	Program Details
1926	Taylor and Banta	Main Vein discovery, Taylor adit advanced 55ft with a 8ft cross cut to the East
1927	Standard Silver-Lead Mining Co.	Underground development, 100ft shaft and 600ft of tunneling
1928	Topley-Richfield Mining Company	Underground development and surface trenching, excavation of West Limb (formerly East Vein) and extension of underground workings on the 100ft level
1929	Topley-Richfield Mining Company	underground development, decline and underground development of 200ft level. Diamond drilling, surface & underground.
1941	Unknown	410 kg bulk sample from East vein sent to Government sample plant in Prince Rupert
1952	Topley Mining Syndicate	Surface exploration, mapping, rock sampling and trenching.
1955 to 1958	Silver-Standard Mines	Underground development and diamond drilling. Dewatering underground and re-sampling including 291m of surface drilling.
1967	Seemar Mines Ltd.	Geophysical surveys, ground mag and EM. 1100m Diamond drilling on surface.
1975	Canadian Superior Exploration	Geophysical surveys, geochemical surveys and diamond drilling.
1979 to 1981	Cobre Exploration Ltd.	Geophysical surveying including VLF-EM and Mag. Geochemical sampling underground, 115 samples. 5135m Diamond drilling on surface.
1988	Esso Minerals Canada	Geophysical surveys including Mag, EM and IP. 7000m Diamond drilling and 1000m Reverse circulation drilling.
1998	L. B. Warren	GPS Survey of property and geochemistry of 5 rock samples.
2006	NXA Inc.	Geochemistry involving 232 soil samples and 4 rock samples. 16.5km grid layout and linecutting. Geophysical work over 15.125 line km Mag and IP. Mapping and photo interpretation.
2007	NXA Inc.	Geochemistry of an additional 332 soil samples and 8 rock samples.
2008	NXA Inc.	2706.5m diamond drilling, 20.3km geophysical survey including Mag and IP.

## 5.0 REGIONAL GEOLOGY

The Topley -Richfield Property is located in Intermontane Belt of British Columbia on the Stikine volcanic arc Terrane. The Terrane consists of the following groups (MacIntyre *et al.*, 1987):

**Hazelton Group** (Early to Middle Jurassic): andesitic volcanic and volcanoclastic rocks and related marine sedimentary rocks

**Takla Group** (Middle to Late Triassic): augite basalt, andesite, and related marine sedimentary rocks

**Asitka Group** (Carboniferous to Permian): island arc metavolcanic rocks and limestone

These rocks are best exposed in the Skeena Arch. The accretion of the Stikine terrane occurred in the Middle Jurassic. Post-accretionary rocks overlying the Stikine terrane (and the Skeena arch) include the Late Jurassic Bowser Lake and the Early Cretaceous Skeena Groups (fluvial and deltaic sedimentary rocks) in the northwest, the Late Cretaceous to Early Eocene Kasalka Group (porphyritic andesite, basalt, rhyolite and related pyroclastic rocks) and the Bulkley plutonic suite in the west. In the Babine Lake area, the Early Eocene Newman Formation (porphyritic andesite flows) overlies the terrane and the Babine Lake suite plutons intrude it. In the south, the Nanika plutonic suite intruded the terrane.

The Hazelton Group hosts the Topley-Richfield Property. The Hazelton Group is subdivided into four formations (MacIntyre *et al.*, 1987):

**Smithers Formation:** sandstone, siltstone, felsic tuff

**Nilkitkwa Formation:** (a) red epiclastic rocks and amygdaloidal flows  
(b) rhyolitic volcanic rocks  
(c) conglomerate, tuff, siltstone  
(d) argillite, chert limestone

**Saddle Hill Formation:** (a) pyroxene basalt flows  
(b) basaltic tuff  
(c) tuffaceous sandstone  
(d) ash flow tuff

**Telkwa Formation:** (a) polymictic conglomerate  
(b) porphyritic andesite  
(c) fragmental volcanic rocks  
(d) phyllitic maroon tuff

The Nilkitkwa Formation hosts several types of mineralization, including mesothermal Au-Ag veins, Cu-Zn-Ag massive sulphide and porphyry deposits.

Structurally, the area is part of basin-and-range type horst and graben structures. Westward imbricate faulting marks terrane boundaries and is offset by complex Late Cretaceous to Eocene high-angle faults. In addition, broad open folds occur in the area.

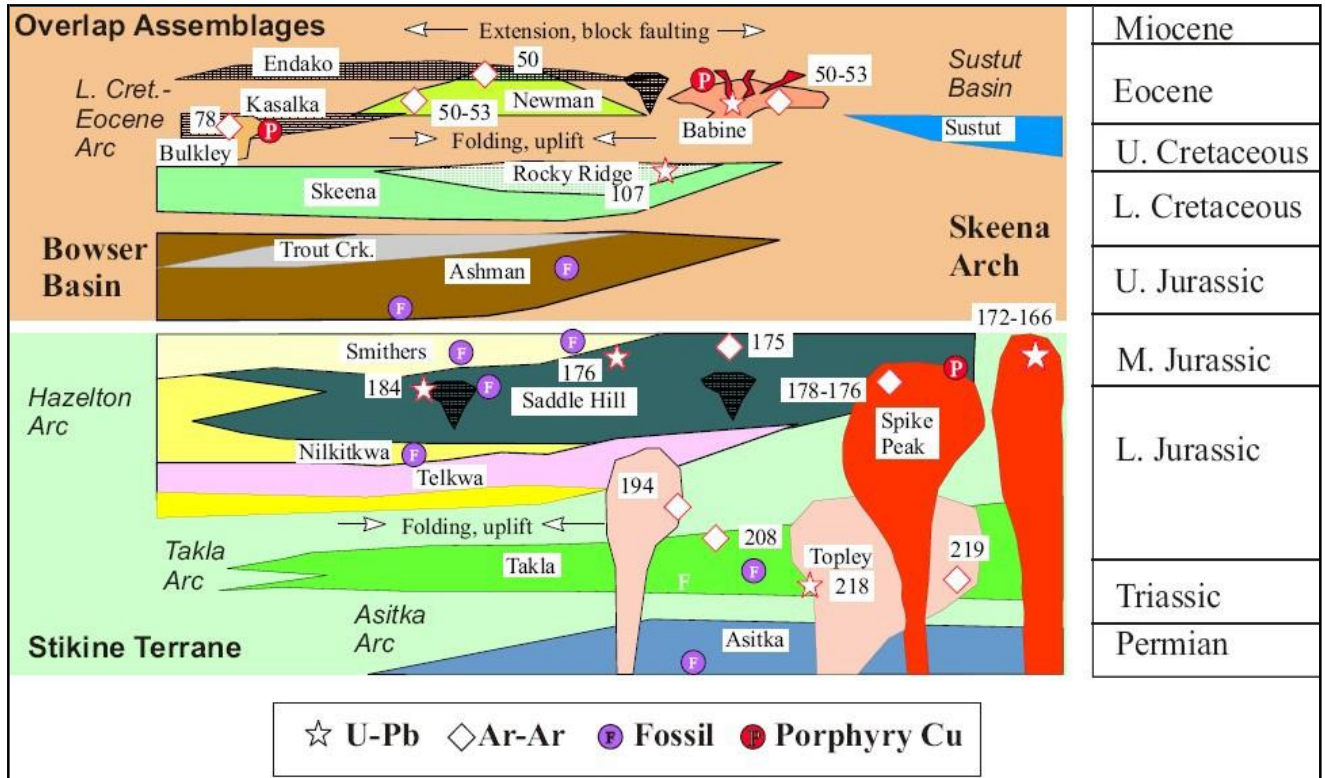


Figure 3: Schematic geological section of the Skeena Arch (MacIntyre, 2005).



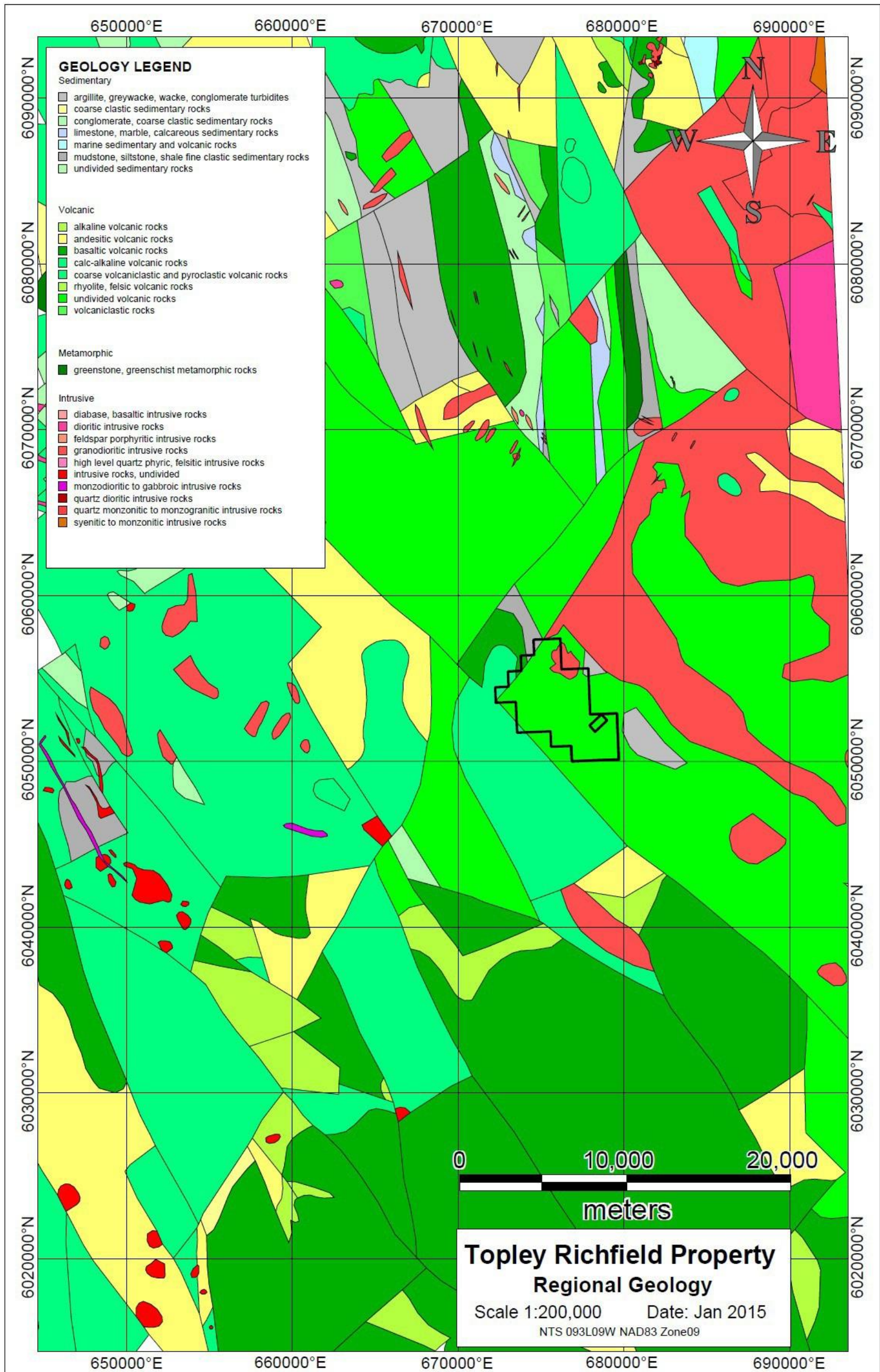


Figure 4: Regional Geology.

## 6.0 PROPERTY GEOLOGY

The Property is characterized by approximately 20 to 50 m overburden comprising glacial till and soil as shown by drill core data (except in Findlay Creek valley and west slope of Mt Tachek; MacLeod, 1988). A schematic geological plan map showing the Property geology is provided in Figure 5. MacLeod (1988) describes the dominant rock types based on drill core data and the few outcrops (from top to bottom):

- 5.1.1 epiclastic rocks
- 5.1.2 “ultramafic tuff”(?): pale to light green matrix with pyroxene porphyroclasts
- 5.1.3 argillite: interbedded with the volcanic rocks
- 5.1.4 fragmental andesitic volcanic:  
lapilli tuff, lithic and feldspar tuff, dark to pale green
- 5.1.5 massive andesite:  
fine-grained, dark green, locally fragmental, feldspar and  
hornblende-phyric, locally altered to quartz-biotite-magnetite, locally  
altered to epidote-chlorite-quartz-carbonate

The lower three units are interpreted to belong to the upper Telkwa Formation and the upper two units are part of the Nilkitkwa Formation. All rocks were intruded by the Late Triassic/Early Jurassic Topley intrusive suite (MacIntyre, 2001) but no outcrops or drill core intersections of intrusive rocks have been reported from the current claims; one outcrop was reported from the area immediately to the north (Depaoli, 1975). Abundant float boulders, comprising intrusive rocks that possibly belong to the Topley Intrusive Suite, have been observed on the Property.

Hydrothermal quartz-sericite-carbonate (calcite, dolomite, ankerite) alteration is reported to occur in two zones roughly at the contact between the Nilkitkwa and the Telkwa formations, and the mineralization is hosted by these altered rocks. The altered rocks were referred to as “Topleyite” in previous descriptions of the Property. The protolith of the “Topleyite” is unknown. Argillites are reported to occur in the altered zone, but they are less altered than the andesitic volcanic rock. However, the argillites are silicified and mineralization is typically strongly expressed in these units. Breccias are reported to occur in the altered zones, but they could be fragmental volcanic rocks rather than true hydrothermal breccias.

The strata of the Hazelton Group in the area of the Property strike north and dip 45°-55° toward the west. According to MacLeod (1988), it is uncertain whether the mineralization is controlled by a significant fault or shear zone. No shear zone is reported from the Telkwa-Nilkitkwa contact. Post-mineral faulting was inferred from drilling and faults trend west to southwest. MacLeod (1988) reports a 100 metre dextral offset along local grid coordinate 5350N (approximate UTM coordinate 6053000 m N). Recent investigations on the property indicate a fold between the West Limb showing and the East Vein workings. This fold is evident by the dips of the structures, where the Main showing is dipping at 45° west-southwest and the West Limb showing is dipping

steeply to the west, the East vein is dipping 45° to the east-southeast. It is believed that the fold axis has been weathered away between the West Limb and East Vein showing as was indicated in the 2008 diamond drill program conducted by Caracle Creek International where holes TRE-08-10 and TRE-08-11 were drilled to intersect the vein at depth but was in fact drilling down both the west and east limbs of the anticline.

The area of the Skeena Arch is one of the best mineralized areas of British Columbia (MacIntyre, 2006). It hosts a plethora of deposit types including polymetallic base and precious metal veins; porphyry, epithermal and skarn deposits; sedimentary exhalative (“SEDEX”) and volcanogenic massive sulphide (“VMS”) deposit types.

The Property was previously classified as a VMS deposit because of the apparent stratabound nature of the mineralized zone (e.g., Whiting, 1981). However, upon revisiting the geological information, CCIC has identified that the Property mineralization style has many affinities similar to epithermal deposits and the reported conformable nature of the mineralized zone could be due to the development of preferred mineralization along zones of structural weakness.

The most common deposit types in the area are porphyry deposits, polymetallic base metal veins and the subvolcanic Cu-Ag-Au (As-Sb) deposit type.

## **7.0 MINERALIZATION**

According to previous reports based on drill core information (e.g., MacLeod, 1988) the mineralization occurs in two distinct, strongly altered, “approximately stratabound layers” at the contact of the Telkwa and the Nilkitkwa Formations of the Hazelton Group. The mine stratigraphy is as follows (from top to bottom):

1. Hanging wall volcanic rocks
2. Upper alteration zone
3. Middle volcanic rocks
4. Lower alteration zone
5. Footwall massive andesite

The lower alteration zone hosts the “D” lens of mineralization (top part of lower alteration zone). The D lens is reported to correspond to a bed of altered argillite. The lower alteration zone is overlain by the “middle volcanics” consisting of variably altered volcanic rocks. This zone is followed by the “upper alteration zone” that hosts the second ore layer (“B/C zone”). The top layer consists of unaltered hanging wall volcanic rocks with abundant carbonate veinlets. The mineralized layers strike north-northwest and dip toward the west.

The mineralization consists of narrow veinlets and silicified zones with disseminated pyrite, chalcopyrite and traces of molybdenite as fine vein selvages. MacLeod (1988) describes the quartz veinlets as discordant. In addition, pyrite, sphalerite, galena and



arsenopyrite occur as disseminated in thin layers of “argillites” and in veins of milky quartz.

The surface showing is reported to show mineralization for a width of 300ft and a length of 300ft with any extensions being covered with glacial drift. This showing that initiated work on the property was buried by the ore and waste from the underground workings, resulting in a pile of approximately 20,000 tonnes of dump material of unknown grade overlying the surface expression of the orebody.

The underground workings appear to have intersected an up-dip portion of the B/C lens as defined by drilling. The old workings consist of two levels, the 100-ft level and the 200-ft level. Two distinct veins were mapped on plans of the old underground workings:

(1) the “As-Rich Vein” occurs in the eastern part of the workings; and, (2) the “Contact Vein” occurs in the western part. Weighted averages for 578 samples for gold and silver from the underground workings were organized by their general location and are listed in Table 1. The weighted average for 407 samples from the “arsenic-rich vein” is 6.43 g/t Au and 315.44 g/t Ag over 303 meters of underground workings.

3D analysis of previous drill core data indicates that the ore layers may not be continuous and a third, thin ore layer may exist. According to this analysis, the approximate dimensions of the B/C lens are 200 m × 130 m with a thickness of 10-20 m and depths of 40-180 m. The D lens is 200 × 100 with an approximate thickness of 5-15 m and a depth range of 70-250 m. Within these dimensions, the mineralization is continuous.

The alteration is intense and is reported to consist dominantly of quartz, carbonate (ankerite, dolomite, calcite) and clay. Rocks altered to quartz-carbonate-clay were called “Topleyite” previously. These rocks are buff in color and the protolith is unknown (MacLeod, 1988) although some suggest the protolith may have been a felsic tuff (e.g., Carter, 1999). Argillite appears to be less altered than the volcanic rocks although they host mineralization. In addition to the quartz- carbonate-clay alteration, epidote, biotite and magnetite are described from drill holes. The mineralization is tentatively inferred to be coeval with the Late Triassic/Early Jurassic Topley Intrusive Suite.

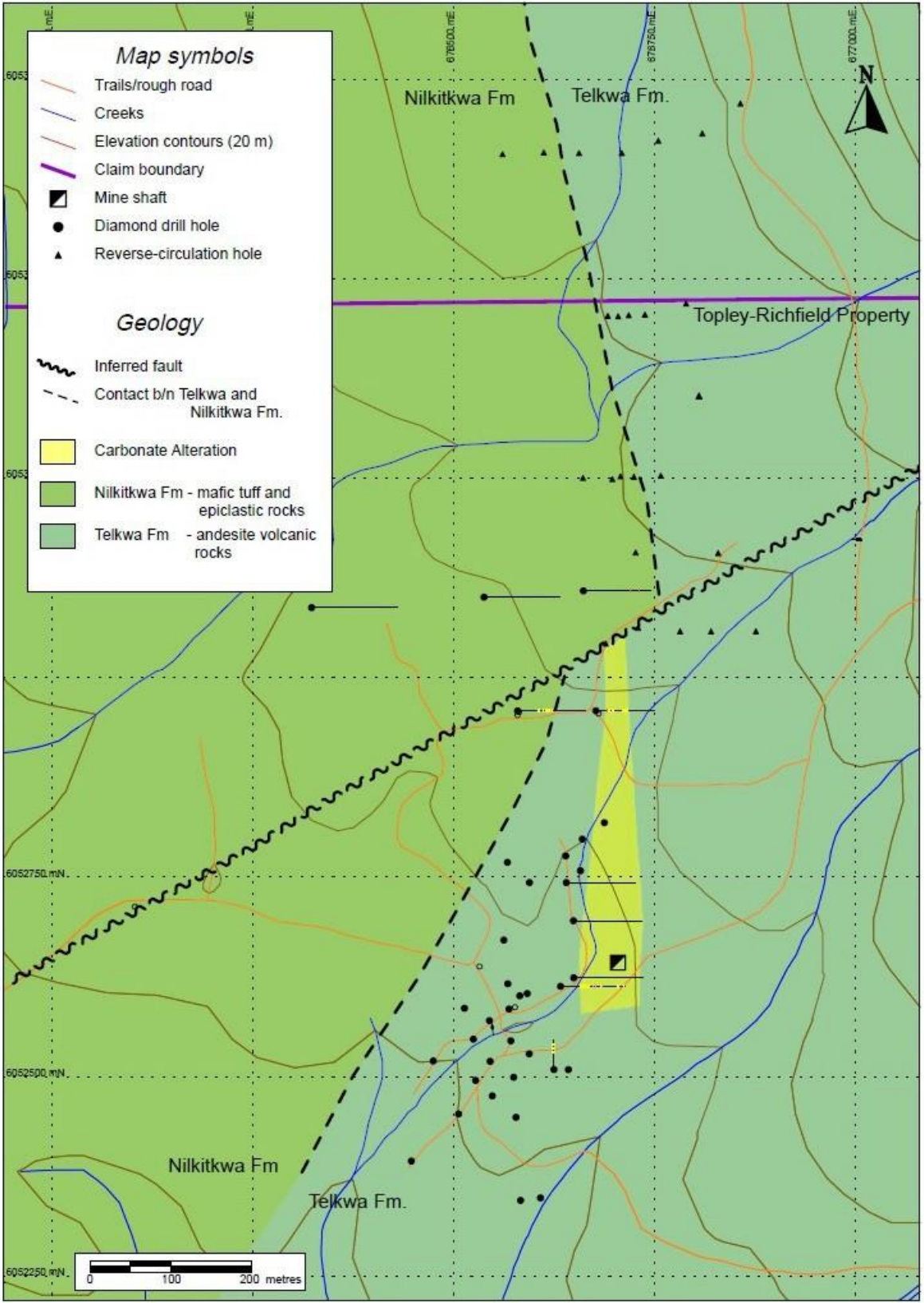
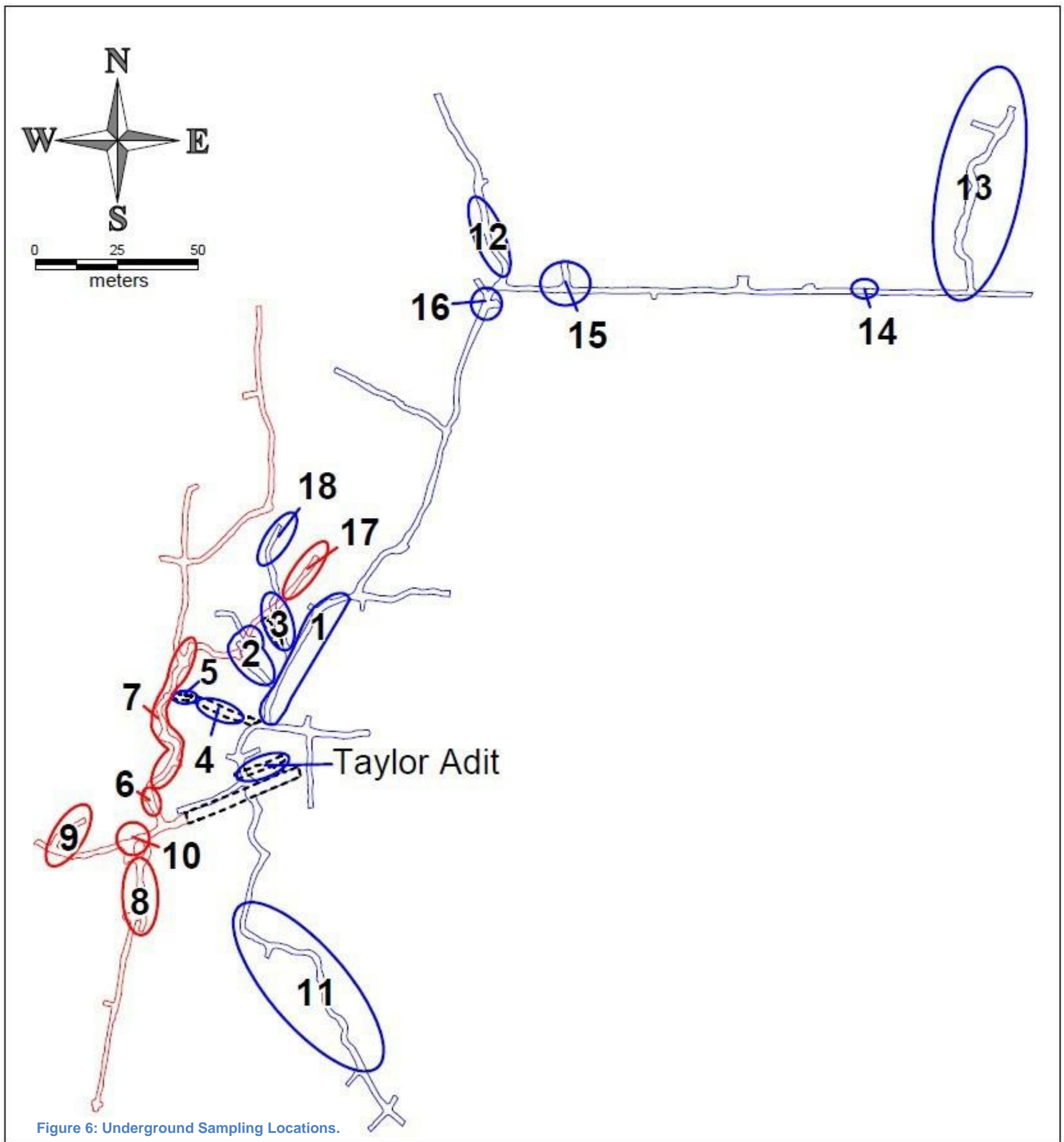


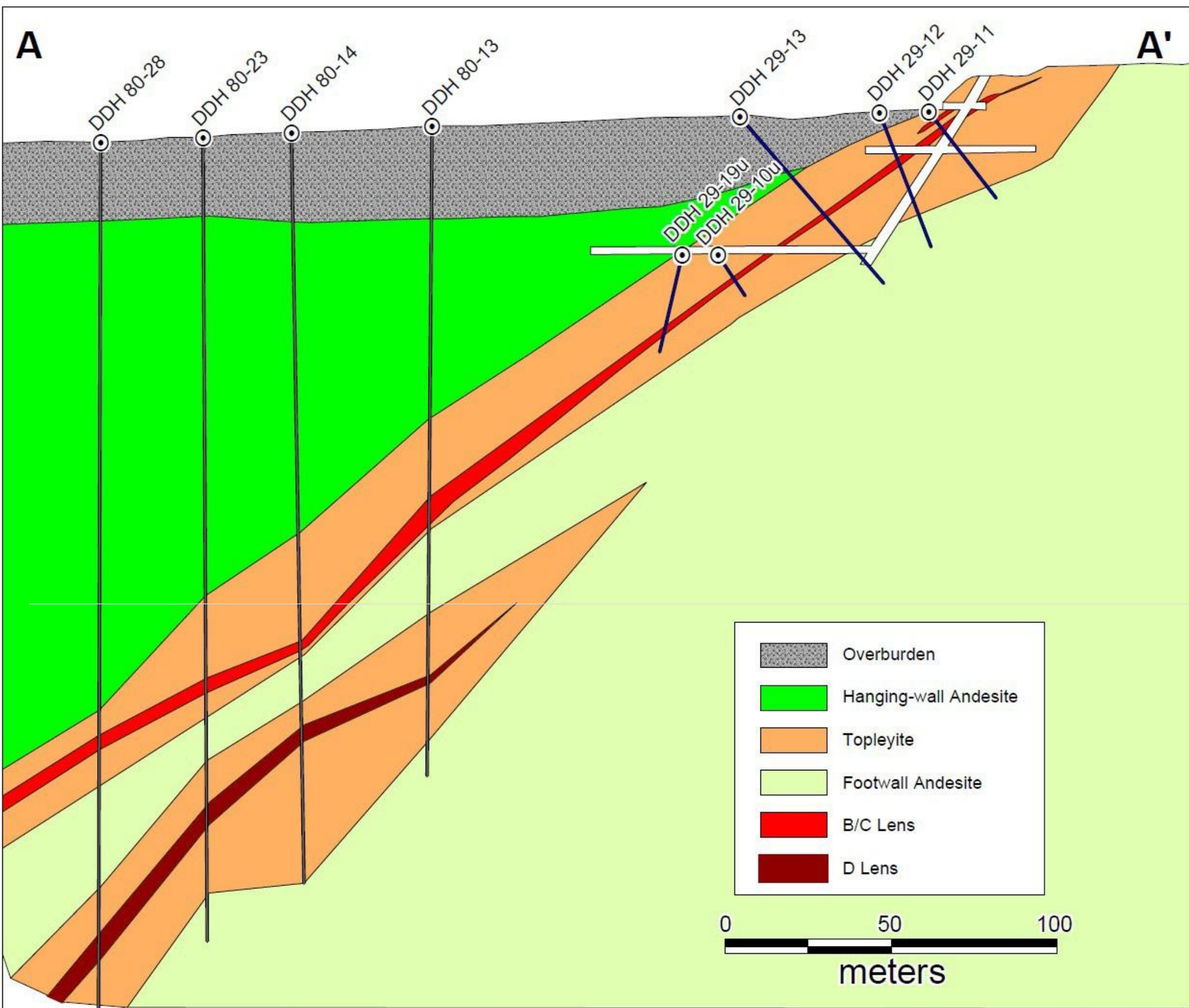
Figure 5: Property Geology.



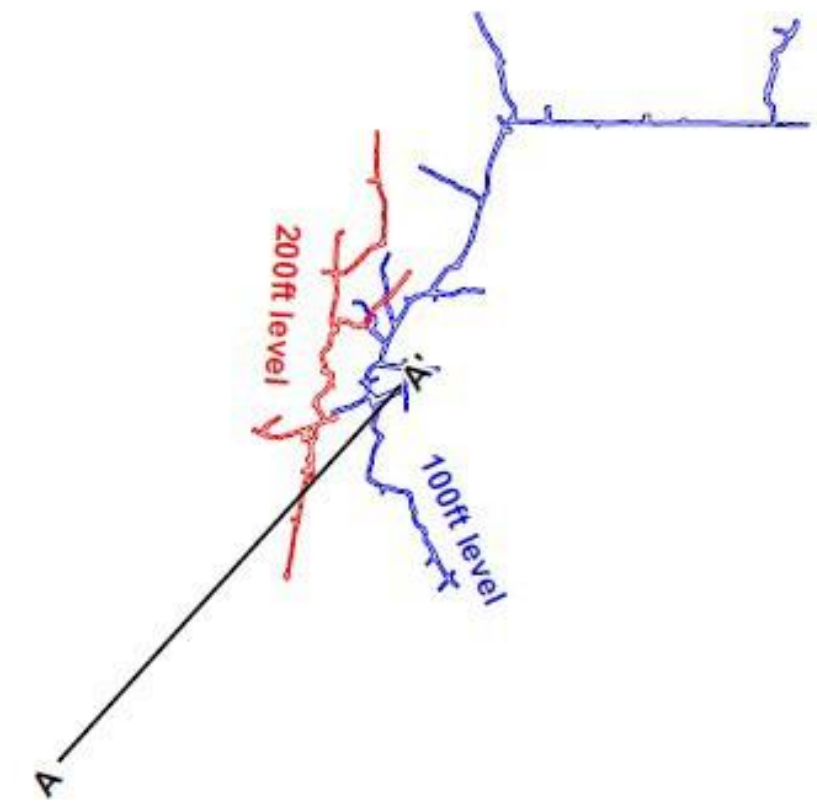
Area	Level	Location	No. of Samples	Length (m)	Gold (g/t)	Silver (g/t)
<b>Upper "Arsenic-rich Vein"</b>						
	20ft	Taylor Adit	3	N/A	3.00	360.76
<b>1</b>	100ft	Main Drift	96	71.68	4.49	230.74
<b>2</b>	100ft	No.3 XcutW	47	46.45	6.14	231.83
<b>3</b>	100ft	No.4 XcutW	35	43.4	2.72	147.41
<b>4</b>	200ft	No.1 Raise	25	8.83	7.93	722.01
<b>5</b>	200ft	No.2XCE	11	10.37	6.50	1371.37
<b>6</b>	200ft	No.1 DrN	14	9.30	19.97	481.80
<b>7</b>	200ft	No.1 DrN	94	66.06	9.80	381.25
<b>8</b>	200ft	No.1 DrS	35	23.02	7.91	348.82
<b>9</b>	200ft	No.2 DrN	15	5.52	3.30	451.08
<b>10</b>	200ft	No.1 Xcut W	9	3.05	4.50	236.05
<b>17</b>	200ft	No.3 DrN	12	7.12	2.32	43.32
<b>18</b>	100ft	No.5 DrN	11	8.54	2.67	20.28
<b>Lower "Contact Vein"</b>						
<b>11</b>	100ft	No.1 DrS	52	36.97	0.77	66.31
<b>12</b>	100ft	North Drift	22	10.39	0.31	7.21
<b>15</b>	100ft	No1.5 DrN	16	2.97	8.10	238.23
<b>16</b>	100ft	No.7 XcutW	5	2.16	0.33	254.89
<b>West Limb Vein</b>						
<b>13</b>	100ft	No.3 DrN	72	32.99	0.94	114.09
<b>14</b>	100ft	NO.4 XcutE	4	N/A	6.69	216.15
			578	388.80		

Table 1: Detailed Underground Sampling Data.





Hole ID	Length	Vein	Au (g/t)	Ag (g/t)
DDH 29-11	3.05m	B/C	10.26	311.00
DDH 29-12	1.52m	B/C	1.87	164.83
DDH 29-13	1.83m	B/C	14.00	1331.08
DDH 29-10u	0.30m	B/C	17.42	3131.77
DDH 29-19u	0.76m	B/C	10.57	653.10
DDH 80-13	5.00m	B/C	8.92	278.45
(including)	1.50m	B/C	15.95	313.73
	0.28m	D	2.11	53.62
DDH 80-14	3.81m	B/C	2.73	40.74
	0.78m	D	15.36	181.90
DDH 80-23	4.46m	B/C	3.19	64.75
(including)	1.36m	B/C	4.00	192.78
	0.31m	D	trace	144.02
DDH 80-28	3.66m	B/C	4.05	59.73
(including)	1.76m	B/C	6.37	108.77
	2.66m	D	2.09	114.81



\*Cross sectional map modified from F.B. Whiting (1979) report on Development of the Topley Richfield Property for Canadian Superior Exploration Ltd. Using data from Seemar Mines Ltd., and Richfield Mining Company Ltd. Includes an edited version of Cobre Exploration Ltd., annual newsletter (1980) Cross section for investors.

Figure 7: Cross Section Through Main Workings and DDH Intersects.

## **8.0 EXPLORATION PROGRAM**

During the winter of 2015, the CJL crew was busy referencing old maps and pulling together all data on the Topley Richfield property. As the snow melted an exploration camp was set-up on the property with a two man crew working on the exploration/mapping program. Preliminary exploration focused on locating and sampling old trenches and surface workings that were uncovered in old journals, maps and annual reports. The focus for exploration was to fall back to the showings that first interested exploration and development on the property. It was our opinion that the property was set-up for small, high grade mining that could generate financing for larger scale exploration. Following the historic maps lead the CJL crew to the west limb trench, east vein shaft and numerous old trenches and previously unrecognized shafts on the property (figure 10). Over 360m of trenches and an additional 5 shafts were located and mapped following the trend of the West Limb and the East Vein.

### **8.1 Initial Ore Concentrate**

Programs to concentrate the ore were designed and tested. For the first attempt CJL contacted Mt. Baker Mining and Metals located in Bellingham, Washington USA. Mt. Baker designed a 2 ton/hr turnkey Ore Processing module using a simple gravity circuit. Samples of crushed ore were transported to their test facility and ran through the grinding circuit then concentrated on a large wavetable that Mount Baker Mining and Metals had set-up at their work yard. The results of the test will be discussed in further detail in this report. A second attempt to concentrate the ore was performed on the property utilizing a Keenes gas powered crusher/roller unit. The crushed ore was screened to 92% passing 20 mesh and ran over a small wavetable to concentrate the ore, results of this test are discussed further in section 8.1.

A rock sampling program to generate two 500kg samples was completed; one sample was collected from the West Limb showing and a second sample was a composite sample from the Main, West Limb, East Vein and three small stockpiles near shafts located south of the West Limb and East Vein. One 500kg sample was sent to a test plant to investigate the possibilities shipping raw ore directly to China.

The sample from the West Limb was crushed to -3/4 inch and was destined to be sent to China for testing at a mill, anticipating a contract for direct shipping of ore. This sample was assayed and determined to be insufficient for transport, so a second 500kg sample was obtained from various locations on the property with the hopes of achieving a compilation of all mineralization from the property. The sample was collected from all shafts and trenches located on the property, the rocks were crushed to -3/4 inch then transferred to a bulk sample bag and transported down to Vancouver where it was loaded onto a plane and flown to a testing facility in China. When the assays returned with lower than expected gold values a program designed to concentrate the ore was instigated.

## 8.2 Bulk Sample

Starting in May of 2015 Lorne Warren Chris Warren and Mike Middleton made daily trips from Smithers BC to the Topley site utilizing two vehicles. Cutting out roads, trails and camp sites as well as establishing trail access to the ore dump.

In June CJL established a mobile camp site located along the hydro right away to allow easier access to the property with less travel time. Tashia Warren was brought up to help with camp while Chris and Mike worked on the property.

Camp was established on the property closer to the workings as soon as the permit was in place and minor road fixes allowed the travel trailer to access the property. A storage shed was constructed along with a 14X16 kitchen tent, 12X20 ft garage covered area and some minor decking for fuel access and berming of fuel.

Over the next 5 months approximately 25 tonnes of material was gathered by hand to process through the crusher and wave table. The process was quite labour intensive due to the small crusher and wave table being utilized. The material was shoveled into 5 gallon buckets then weighed, the buckets were then process in the jaw crusher roller crusher combo to produce a fine crush. The 5 gallon bucket of material was then transported 200 metres to the wave table site where sufficient water was able to be held back to operate.

The material was then put over the wave table using a hand trowel, the material from the 1-3 collection trays was put into silt sample bags to allow water to percolate out. The wet material was transferred to a 12-20 ft. garage structure where it was laid out on a tarp to dry. The dried material was then sifted to remove any oversized materials before shoveling into ore bags. A total of 3 ore bags containing approximately 3 tonnes of 8:1 concentrate was produced using this method and transported to the CJL shop in Smithers. A total of 1,440 five gallon buckets were put through the keene's crusher and wave table.

### 8.3 Mechanized Work

July, CJL received the required permits to begin a trenching program and a John Deere 200LC excavator was mobilized onto the property. The Excavator began the operation by conducting some minor roadwork to fix the swampy areas on the access road to the Main showing. The dump site was stripped of trees and brush to prepare the site for trenching (figure 7). The old Taylor Adit was excavated to clear away all the old rotten timbers and to expose the mineralization along the eastern edge of the dump site, the original mineralized outcrop is masked to the west of the adit by the large pile of material excavated from the underground workings. No samples were taken from the adit when it was uncovered but personal communications with Lorne Warren verify that a large amount of malachite was visible within the confines of the portal during excavation. The area above the adit towards the old head frame was cleared and the large boulders were used to close the entrance to the Taylor adit for safety. This area was east of the fault that displaced the ore and no mineralization was encountered, weathered Topleyite was prevalent and efforts will resume excavating to the west from this starting point. Historic records indicate that from the Taylor adit the original surface showing was trenched for a distance of 300 feet to the west-northwest.

To help identify and quantify the mineralization on the property Dr. Nick Carter undertook an analysis to identify significant gold-silver intercepts obtained from diamond drilling programs completed between 1980 and 1987 and a more recent program completed in 2008. All of these programs included drilling to test the down-dip potential of the mineralized zones exposed in the underground workings as well as drill testing of geophysical and geochemical signatures mainly to the north of the workings. The more recent program included drill testing of the “East Vein” structure east of the underground workings.

In summary, of the 44 inclined and vertical holes were drilled to test the down-dip potential of the two principal zones, 23 returned significant gold and silver values. Cutoff grades of 1.0 g/t gold and 70 g/t silver were employed to identify significant values over core lengths of between 0.11 and 7.93 metres.

As previously noted by Whiting and others, the better and more consistent gold and silver mineralization is hosted by the upper or B-C zone. Significant values in the lower or D zone are present in only 7 holes as indicated in the following table.

**Topley Richfield – Significant Drill Hole Results – Upper (B-C) and Lower (D, Contact) Zones** (Nominal cutoff grades – 1.0 g/t Au, 70 g/t Ag)

Hole No.	Interval (m)	Length (m)	Au (g/t)	Ag (g/t)	Zone
<b>80-04</b>	115.70-120.73	5.03	3.35	209.4	Upper
	138.20-138.31	0.11	20.47	447.9	Lower
<b>80-07</b>	113.10-117.38	4.28	0.96	37.6	Upper
	135.10-136.60	1.5	1.33	31.9	Lower
<b>80-08</b>	72.71-75.42	2.71	0.82	20.4	Upper
<b>80-09</b>	70.55-71.44	0.59	1.74	66.9	Upper
	76.83-77.54	0.71	7.47	8.49	Upper
<b>80-10</b>	101.52-107.38	5.86	4.95	246.9	Upper
<b>80-11</b>	127.35-132.0	4.65	7.03	44.6	Upper
<b>80-13</b>	113.25-120.3	7.05	6.26	195.8	Upper
<b>80-14</b>	155.47-159.23	3.76	2.76	161	Upper
	183.39-185.67	2.28	7	67.9	Lower
<b>80-16</b>	136.24-139.77	3.53	0.83	17.7	Upper
<b>80-22</b>	201.32-202.08	0.76	9.8	303	Lower
<b>80-23</b>	166.24-170.7	4.46	3.38	6.52	Upper
<b>80-25</b>	210.98-212.56	1.58	1.94	15.3	Upper
<b>80-28</b>	182.87-190.8	7.93	2.2	30	Upper
	244.83-250.44	5.61	1.03	55.9	Lower
<b>87-04</b>	100.50-101.0	0.5	7.54	373	Upper
<b>87-05</b>	95.45-95.80	0.35	2.88	NSV	Upper
<b>87-06</b>	67.40-68.20	0.8	2.4	60	Upper
<b>87-08</b>	88.40-89.55	1.15	NSV	65.1	Upper
<b>08-01</b>	75.48-81.84	6.36	2.44	NSV	Upper
	96.85-101.47	4.62	3.89	281	Lower
<b>08-02</b>	100.20-103.80	3.6	1.99	129.6	Lower
<b>08-03</b>	146.00-148.00	2	2.7	NSV	Lower
<b>08-04</b>	137.17-141.00	3.83	2.23	NSV	Lower
<b>08-05</b>	192.40-193.30	0.9	0.78	NSV	Upper
	215.30-218.90	3.6	1.3	31	Lower
<b>08-06</b>	165.90-167.90	2	0.94	5	Upper

Table 2: Significant Drill Hole Results.



## 8.4 Main Showing

The ore pile situated on the Main zone has been the Centre piece that has attracted many mining companies to this property, with an estimated 20,000 tons of material of unknown grade covering the Main showing. Initial investigations of the dump material confirmed that the dump was draped with clay and below contained ore from the underground workings. Analysis of the ore returned values of up to 46.93g/t gold and 454.0g/t silver (sample 0-61370), but follow up assays returned lower than expected gold values. A program to concentrate the ore was conducted utilizing a number of different methods.

The first attempt to concentrate the ore was through Mt. Baker Mining and Metals located in Bellingham, Washington USA. Samples of crushed rock were transported to their test facility and ran through the grinding and wavetable circuit that Mount Baker Mining and Metals had set-up at their work yard. The first test was successful in creating a very high grade concentrate (table 3) and financing was underway to purchase the mill when the Canadian dollar started to plummet. This made us re-think the mill as prices increased by around 40%, making the mill unaffordable for the company.

<u>Sample Id</u>	<u>Description/Location</u>
Dump, Dump 2, Dump 3	Quartz carbonate alteration zone (topleyite)
Dump Tailings	676680E 6052680N Zone 9 Nad 83
East 1, East 2	Quartz Vein in altered andesite
East Middling and Tailings	676950E 6052720N Zone 9 Nad 83

Sample	Ag (gm/t)	Au (gm/t)	Ag (oz/t)	Au (oz/t)
<b>Dump samples are from the Main Showing</b>				
Dump 1	1129	266.8	36.3	8.6
Dump 2	851	58.3	27.4	1.9
Dump	106.3	4.7	3.4	0.2
Dump Tailings	117.7	N.A.	3.8	N.A.
<b>East samples are from the East Vein Showing</b>				
East 1	1028	37.3	33.1	1.2
East 2	773	15.5	24.9	0.5
East Middling's	172	1.9	5.5	0.1
East Tailings	67.7	N.A.	2.2	N.A.

Table 3: Test samples from Mount Baker Mining and Metals.



Figure 8: Main Showing Testing.





Figure 9: Main Showing Cleared.

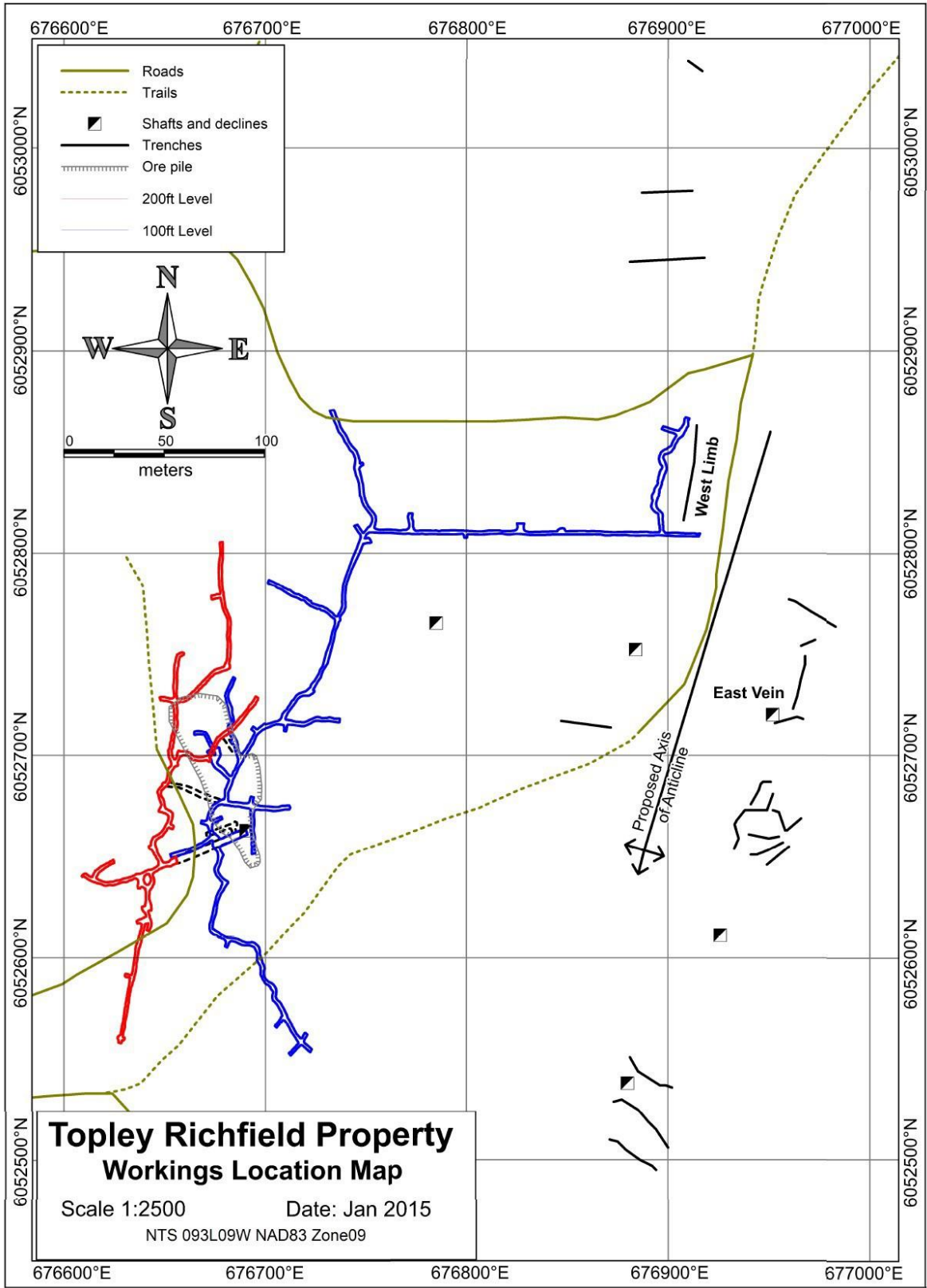


Figure 10: Located Workings on Property.

## 8.5 East Vein Showing

The East Vein decline was driven along the vein to a projected depth of 25 feet at a 50° angle. 75 feet of cross-cutting was then driven along the strike of the vein. A portion of the vein is still visible from surface and within the entrance to the decline. The vein strikes roughly north-south and dips around 45° to the east. In 1941, a 410 kg sample from the East Vein was sent to the Provincial government sample plant in Prince Rupert. This sample yielded 22.29g/t gold, 913g/t silver, 4.6% copper, 3.2% lead and 5.5% zinc. An overgrown dump of ore of unknown volume/weight is current located near this shaft with samples returning values of 207g/t silver, 4.3g/t gold, 0.15% lead and 4.03% zinc (sample TR-EV-01), and 399g/t silver, 7.9g/t gold, 0.27% lead and 3.52% zinc (sample TR-EV-02). A 100kg sample from this ore pile was transported to the Mt. Baker Mining and Metals mill, the results of this test were encouraging but there were still concerns about the amount of silver reporting to the middling's and tailings (table 3).

Testing the East Vein ore pile utilizing the Keenes crusher and small wavetable proved equally unacceptable as the silver was still reporting to the middling's and tailings end of the run (table 4). Further gravity tests will involve using equipment such as a Nelson concentrator or a pulse jig where the amount of concentrates being produced can be of lower specific gravity.

Following along the trend from the East Vein, over 300 meters of trenching and another two shafts were located. These old workings cover an area of 40 meters wide by 300 meters in length. It appears that quite a bit of work was done along this trend but no information was disclosed other than the East Vein shaft. Adjacent to the shafts and a couple of the trenches small piles of ore grade material were located consisting of chalcopyrite, tetrahedrite, sphalerite and galena in quartz.

<b>Sample</b>	<b>Description/Location</b>
<b>East Vein</b>	<b>Quartz vein in altered andesite 676950E 6052720N Zone 9 Nad 83</b>

Sample Id	Sample Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5889648	4-A	5.020	322.0	5250	17200	15800
5889649	4-B	4.840	327.0	5490	18100	16100
5889651	4-C	5.170	384.0	5310	19400	14400
<b>TR-EVP : East Vein decline, sampled from vein in place.</b>		<b>5.010</b>	<b>344.3</b>	<b>5350</b>	<b>18233</b>	<b>15433</b>
5889652	5-A	4.010	727.0	19300	11400	88300
5889654	5-B	4.650	744.0	19200	11400	91600
5889655	5-C	4.440	753.0	19200	12000	86200
<b>TR-EV-CON-01 : East Vein ore pile, first run concentrate from wave table.</b>		<b>4.367</b>	<b>741.3</b>	<b>19233</b>	<b>11600</b>	<b>88700</b>
5889656	6-A	1.550	309.0	9840	3510	51300
5889657	6-B	2.110	308.0	9440	3490	51200
5889658	6-C	2.270	325.0	10200	3720	52400
<b>TR-EV-CON-02: East Vein ore pile, second run concentrate.</b>		<b>1.977</b>	<b>314.0</b>	<b>9827</b>	<b>3573</b>	<b>51633</b>
5889660	7-A	0.442	75.4	1330	820	6090
5889661	7-B	0.407	75.0	1300	863	5620
5889662	7-C	0.412	74.1	1260	840	5850
<b>TR-EV-Tails : East Vein tailings/waste.</b>		<b>0.420</b>	<b>74.8</b>	<b>1297</b>	<b>841</b>	<b>5853</b>

Table 4: East Vein Tests.





Figure 11: East Vein Decline.

## 8.6 West Limb Showing

The West Limb showing was depicted on many of the historic maps as well as the extension of the vein on the 100ft Level in the underground workings. Historic reports indicate that the vein was displaced to the east in the underground crosscut and that the vein is dipping approximately 45° to the west. Steeping back, it's becoming apparent that between the West Limb showing and the East Vein showing the veins are orientated along the same axis but are dipping in different directions. The West limb is dipping 45° to the west in underground workings and steeply dipping to the west on surface while the East Vein is dipping at 45-50° to the east. It is put forward that these are the limbs of an anticline. Further evidence that this may be part of an anticline includes drill holes TRE08-10 and TRE08-11 which were drilled at 112°/-46° and 292°/-46° respectively. These holes are located between the West Limb and the East Vein showings and failed to intersect any noteworthy mineralization. It becomes evident that these holes were drilled along the limbs of the proposed anticline and could not intersect the mineralization even at depth.

The West Limb Showing consists of a 50m long trench running roughly north-south and is located 25m from a cat road. Initial exploration by CJL early in the season found the trench filled with water. The western portion of the trench was flanked by a large pile of rubble containing mineralized sections of quartz material. Early reports have speculated that this dump of vein material has a volume of 734 cubic feet with an estimated weight of 47 tons (Annual Report 1937) recent calculations coincide with this estimate. A bucket brigade collected over 500kg of this material which was then transported to the CJL yard in Smithers, B.C. The ore was then crushed to -3/4 inch and package in a one ton ore bag with the intentions of shipping the sample to a pilot mill in China.

As the season drew on, the dry weather uncovered the entirety of the trench and sections of the vein in place. After the trees and debris were cleared out of the trench a steeply dipping, 1.5 meter wide vein was exposed. The vein outcropped along the northern and southern portions of the trench exposing very exciting mineralization consisting of sphalerite, tetrahedrite, galena, pyrite and chalcopyrite in quartz. Samples from the northern outcrop assayed 1.06ppm gold, 85.4ppm silver and 2.35% combined copper-lead-zinc over 2.0m with a 60cm wide zone containing 5.23ppm gold, 274.7ppm silver and 8.00% combined copper-lead-zinc. The southern portion contained 2.97ppm gold, 343.0ppm silver and 5.43% combined copper-lead-zinc over 1.5m.

Following along trend to the north and south, over 143m of trenching were located covering a strike length of 340m, including a shaft 100m south of the West Limb showing (figure 10). A small pile of mineralized cobble was collected near this shaft showing significant tetrahedrite, sphalerite and chalcopyrite. The other trenches were sloughed in and no mineralization was encountered.





Figure 12: West Limb Trench.



<b>Sample Id</b>	<b>Description/Location</b>
<b>West Limb Vein</b>	<b>Quartz vein in altered andesite</b>
<b>South 5871343-5871345</b>	<b>676908E 6052827N Zone 9 Nad 83</b>
<b>North 5871346-5871348</b>	<b>679910E 6052850N Zone 9 Nad 83</b>

Sample Id	Sample Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5871343	1-A	3.050	335.0	12600	10500	30500
5871344	1-B	2.910	344.0	12600	11400	30500
5871345	1-C	2.950	350.0	12800	11200	30800
<b>TR-CVS : West Limb Vein South</b>		<b>2.970</b>	<b>343.0</b>	<b>12667</b>	<b>11033</b>	<b>30600</b>
5871346	2-A	1.030	79.2	5890	727	15900
5871347	2-B	0.969	85.1	6060	831	16000
5871348	2-C	1.170	91.9	6850	858	17400
<b>TR-CVN-2.0 : West Limb Vein North, 2.0 meter chip sample across vein including wall rock on both sides.</b>		<b>1.056</b>	<b>85.4</b>	<b>6267</b>	<b>805</b>	<b>16433</b>
5871349	3-A	5.230	278.0	21100	1730	54000
5889646	3-B	5.260	267.0	21900	1810	56300
5889647	3-C	5.190	279.0	21700	1900	59700
<b>TR-CVN-0.6 : West Limb Vein North, 0.6 meter chip sample of high grade vein material.</b>		<b>5.227</b>	<b>274.7</b>	<b>21567</b>	<b>1813</b>	<b>56667</b>

Table 5: West Limb Showing.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

Geographically, the Topley-Richfield Property is well situated with excellent road access, a high-tension power line proximal to the Property and several operating and recently operating mines in the immediate area, with much of the support infrastructure within a few kilometers of the Property. It is also in an area with a moderate climate and allows for long exploration field seasons. Being an area with a mining history and even previous mining activity on the Property exploration and mine permitting should not be problematic.

One of the most important interpretations from the data review is that the Au-Ag-Cu-Pb-Zn mineralization on the Property is likely not a VMS style deposit as it has many of the alteration and mineralization features that are characteristic of epithermal vein systems. By broadening the scope of the geological and exploration model to include epithermal style mineralization, discordant mineralized and altered structures become valid exploration targets and may allow for discovery of additional mineralized zones on the Property.

A program to further delineate the ore on the Main dump pile will undoubtedly expose a large volume of ore grade material and may prove to be the catalyst to promote mining on the Topley Richfield property. Testing this dump will require using an auger drill or test pits to properly test the area and develop an overall grade for the 20,000 tons of material on the pile. It may be advisable to remove the dump in order to uncover the original showing on surface and to trace the zone to the northwest

The historic work on the property needs to be re-visited with over 360m of sloughed in trenches to investigate. The old declines and shafts on the property present good indications that the nearby trenching uncovered something of interest and should be the focus of a trenching program to re-open these workings.

A drill program to test the anticline between the West Limb and East vein showings should be conducted. This won't require too much drilling as the intended target is the fold axis that should be relatively close to surface. Depending on the outcome of the first few holes a larger drill program may need to be implemented

Respectfully submitted,

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Mike Middleton

Vancouver, BC, December 2015

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Whiting, F.B., 1980: Report on VLF-EM and Magnetometer Surveys, Line-Cutting and Topographic Survey. Richfield #1, #2, #3, #4 and CDF #1 - #4 Mineral Claims, Omineca Mining Division; B.C. Ministry of Energy, Mines and Petroleum Resources Assessment Report 7957, 18 p.

Whiting, F.B., 1980a: Report on Core and Percussion Drilling Program Richfield #1, #2, #3, #4, and CDF #1-#4 Mineral Claims, Omineca Mining Division; B.C. Ministry of Energy, Mines and Petroleum Resources Assessment Report 8525B, 14 p.

Whiting, F.B., 1981: Report on Rotary and Core Drilling Program, Richfield Group, Omineca Mining District; B.C. Ministry of Energy, Mines and Petroleum Resources Assessment Report 9875, 20 p.

**APPENDIX A - Mineral  
Claims**

<b>TENURE NUMBER</b>	<b>GOOD TO</b>	<b>CLAIM NAME</b>	<b>AREA (ha)</b>	<b>TENURE OWNER</b>
346698	19-Jan-23	DUMP 2	25.00	WARREN, LORNE BRIAN
505689	19-Jan-23		580.94	WARREN, LORNE BRIAN
506626	19-Jan-18		18.74	WARREN, LORNE BRIAN
534818	19-Jan-23	TOPLEY 2	468.44	WARREN, LORNE BRIAN
534820	19-Jan-23	TOPLEY 3	449.54	WARREN, LORNE BRIAN
534821	19-Jan-23	TOPLEY 4	430.80	WARREN, LORNE BRIAN
534822	19-Jan-23	TOPLEY 5	374.47	WARREN, LORNE BRIAN
387812	19-Jan-23	SILVER CUP 3	25.00	PERRY, PAUL GRATTAN
387813	19-Jan-23	SILVER CUP 4	25.00	PERRY, PAUL GRATTAN
387814	19-Jan-23	SILVER CUP 5	25.00	PERRY, PAUL GRATTAN
387815	19-Jan-23	SILVER CUP 6	25.00	PERRY, PAUL GRATTAN
387816	19-Jan-23	SILVER CUP 7	25.00	PERRY, PAUL GRATTAN
387817	19-Jan-23	SILVER CUP 8	25.00	PERRY, PAUL GRATTAN
407206	19-Jan-23	GOLDEN EAGLE 2	25.00	PERRY, PAUL GRATTAN
407207	19-Jan-23	GOLDEN EAGLE 3	25.00	PERRY, PAUL GRATTAN
407208	19-Jan-23	GOLDEN EAGLE 4	25.00	PERRY, PAUL GRATTAN
666903	19-Jan-23	SILVER QUEEN	74.99	WALKER, DOUGLAS FREDERICK
1013868	19-Jan-23	SHADOW	112.50	WALKER, DOUGLAS FREDERICK
1013869	19-Jan-23	SHADOW 2	37.50	WALKER, DOUGLAS FREDERICK
1013873	19-Jan-23	SHADOW 3	18.75	WALKER, DOUGLAS FREDERICK
1013874	19-Jan-23	SHADOW 4	74.98	WALKER, DOUGLAS FREDERICK
1013875	19-Jan-23	SHADOW 5	18.74	WALKER, DOUGLAS FREDERICK
1015238	19-Jan-23	SQ	18.74	WALKER, DOUGLAS FREDERICK
1015274	19-Jan-23	RICH NORTH	74.96	WALKER, DOUGLAS FREDERICK
1015289	19-Jan-23	RICHER TO THE SOUTHWEST	18.74	WALKER, DOUGLAS FREDERICK
1017500	19-Jan-23	RICH WEST	93.74	WALKER, DOUGLAS FREDERICK
1017754	19-Jan-23		18.75	WALKER, DOUGLAS FREDERICK
1033022	19-Jan-23	SILVER QUEEN	37.49	WALKER, DOUGLAS FREDERICK



**APPENDIX B - Statement of  
Qualification**

**Statement of Qualifications:**

**Michael J. Middleton**

14948 90th Ave

Surrey, B.C.

V3B 2P5

Telephone (604) 585-0954.

Email [Middleton.geoscience@gmail.com](mailto:Middleton.geoscience@gmail.com)

I, Michael J. Middleton, do hereby certify that:

1. I am currently employed as a Consulting Mining and Geological Technician by CJL Enterprises Ltd.
2. I have practiced my profession of prospecting since 1990.
3. I am a graduate of British Columbia Institute of Technology with a diploma of Technology in Mining and Mineral Exploration, obtained in 2001. I have been practicing my profession continuously in Canada since graduation.
4. My input into this report is based mainly upon conducting the 2013 sampling program on the Foremore Property, supplemented by a review of past work on the property and its geological setting as well as compilation of previous geological maps into the Mapinfo program.
5. I have no interest in the property reported on herein, and nor do I expect to receive any.

Dated at Surrey, British Columbia, this eighteenth day of February, 2016.

February 18, 2016  
Surrey, B.C.

M.J.Middleton  
Consulting Technician

**APPENDIX C - Cost  
Statement**

Exploration Work type	Comment	Days			Totals
<b>Personnel (Name)* / Position</b>	<b>Field Days (list actual days)</b>	<b>Days</b>	<b>Rate</b>	<b>Subtotal*</b>	
Lorne Warren/ Supervisor	36 field days	36	\$500.00	\$18,000.00	
Mike Middleton/Geo Tech Prospector	73 field days	73	\$400.00	\$51,200.00	
Chris Warren/ Manager/labour	108 field days	108	\$300.00	\$32,400.00	
Tashia Warren Cook/labour	86 field days	86	\$200.00	\$17,200.00	
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				<b>\$118,800.00</b>	<b>\$118,800.00</b>
<b>Airborne Exploration Surveys</b>	<b>Line Kilometres / Enter total invoiced amount</b>				
Aeromagnetics			\$0.00	\$0.00	
Radiometrics			\$0.00	\$0.00	
Electromagnetics			\$0.00	\$0.00	
Gravity			\$0.00	\$0.00	
Digital terrain modelling			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Remote Sensing</b>	<b>Area in Hectares / Enter total invoiced amount or list personnel</b>				
Aerial photography			\$0.00	\$0.00	
LANDSAT			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Ground Exploration Surveys</b>	<b>Area in Hectares/List Personnel</b>				
Geological mapping					
Regional					
					<i>note: expenditures here</i>

Reconnaissance		<i>should be captured in Personnel field expenditures above</i>		
Prospect				
Underground	Define by length and width			
Trenches	Define by length and width		\$0.00	<b>\$0.00</b>

	<b>Line Kilometres / Enter total amount invoiced list personnel</b>			
<b>Ground geophysics</b>				
Radiometrics				
Magnetics				
Gravity				
Digital terrain modelling				
	<i>note: expenditures for your crew in the field should be captured above in Personnel field expenditures above</i>			
Electromagnetics				
SP/AP/EP				
IP				
AMT/CSAMT				
Resistivity				
Complex resistivity				
Seismic reflection				
Seismic refraction				
Well logging	Define by total length			
Geophysical interpretation				
Petrophysics				
Other (specify)				
			\$0.00	<b>\$0.00</b>

<b>Geochemical Surveying</b>	<b>Number of Samples</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00	\$0.00	
	<i>note: This is for assays or laboratory costs</i>				
Soil			\$0.00	\$0.00	
Rock			\$0.00	\$0.00	
Water			\$0.00	\$0.00	
Biogeochemistry			\$0.00	\$0.00	
Whole rock			\$0.00	\$0.00	
Petrology			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>

<b>Drilling</b>	<b>No. of Holes, Size of Core and Metres</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Diamond			\$0.00	\$0.00	
Reverse circulation (RC)			\$0.00	\$0.00	



Rotary air blast (RAB)			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Other Operations</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Trenching	47 hours L200 excavator	47.0	\$160.00	\$7,520.00	
Bulk sampling	6 months crusher and table	6.0	\$2,000.00	\$12,000.00	
Underground development			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$19,520.00	<b>\$19,520.00</b>
<b>Reclamation</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
After drilling			\$0.00	\$0.00	
Monitoring			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
<b>Transportation</b>		<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Airfare	1 flight Van to Terrace	1.00	\$320.00	\$320.00	
Taxi			\$0.00	\$0.00	
truck rental	3 vehicles 6 months	18.00	\$1,500.00	\$27,000.00	
kilometers			\$0.25	\$0.00	
ATV	polaris 325 3 months	3.00	\$1,000.00	\$3,000.00	
fuel			\$0.00	\$0.00	
Helicopter (hours)			\$0.00	\$0.00	
Fuel (litres/hour)			\$0.00	\$0.00	
Other					
				\$30,320.00	<b>\$30,320.00</b>
<b>Accommodation &amp; Food</b>	<b>Rates per day</b>				
Hotel			\$0.00	\$0.00	
Camp	full camp food, fuel, genset	358.00	\$100.00	\$35,800.00	
Meals	day rate or actual costs-specify		\$0.00	\$0.00	
				\$35,800.00	<b>\$35,800.00</b>
<b>Miscellaneous</b>					
Telephone	cell phone service 100/month	6.00	\$100.00	\$600.00	
Other (Specify)	rogers internet 130/month	6.00	\$130.00	\$780.00	
				\$1,380.00	<b>\$1,380.00</b>
<b>Equipment Rentals</b>					
Field Gear (Specify)	GPS, Camera, field computer 6 month	6.00	\$500.00	\$3,000.00	
Other (Specify)	L200 John Deere Exc. Standby 4 mon	4.00	\$5,000.00	\$20,000.00	
Other (Specify)	Kabota tractor with back hoe 6 mon	6.00	\$2,000.00	\$12,000.00	
				\$35,000.00	<b>\$35,000.00</b>
<b>Freight, rock samples</b>					

\$0.00      \$0.00  
 \$0.00      \$0.00  
 \$0.00

**\$0.00**

***TOTAL Expenditures***

**\$240,820.00**

	<b>Lorne Warren</b>	<b>Mike Middleton</b>	<b>Chris Warren</b>	<b>Tashia Warren</b>
<b>May</b>	10-16, 18-20	10th -31st	10th -31st	10th-31st
<b>June</b>	2-9, 11,13,17-20	1st-15th	2nd-5th, 8th-13, 16th-21st,23-28th,30th	2nd-5th,8th-13 16th-21st,23-28th,30th
<b>July</b>	20-22	2-8th, 18-30th	1st-5th,7th-12th, 14th-19th 21st-26th, 28th-31,	1st-5th,7th-12th, 14th-19th 21st-26th, 28th-31,
<b>Aug</b>	5,6,7	Aug 4-12, 19-22	1st-2nd, 4th-9th, 11th-16th 18th-23rd, 25th-30th	1st-2nd, 4th-9th, 11th-16th 18th-23rd, 25th-30th
<b>September</b>	7,8,9		3rd-6th, 8th-13, 15th-20th 22nd-27, 29th-30th	3rd-6th, 8th-13, 15th-20th 22nd-27, 29th-30th
<b>october</b>	1-14th	1-14th	1st 4th, 6-15th	1st 4th, 6-15th
<b>total</b>	45	88	114	93

**APPENDIX D – Assay  
Results**



www.acmelab.com

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **CJL Enterprises Ltd.**  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

Submitted By: Chris Warren  
Receiving Lab: Canada-Smithers  
Received: June 30, 2014  
Report Date: July 07, 2014  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

SMI14000341.1

### CLIENT JOB INFORMATION

Project: Topley  
Shipment ID:  
P.O. Number  
Number of Samples: 8

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CJL Enterprises Ltd.  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	8	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA550	8	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
MA404	8	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
CHRUSH	8	Charge for Fast Service			VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



www.acmelab.com

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **CJL Enterprises Ltd.**

P.O. Box 662

3176 Tatlow Rd.

Smithers BC V0J 2N0 CANADA

Project: Topley

Report Date: July 07, 2014

Page: 2 of 2

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

SMI1400341.1

	Method Analyte Unit MDL	WGHT	FA550	FA550	MA404	MA404	MA404
		Wgt	Ag	Au	Ag	Pb	Zn
		kg	gm/t	gm/t	ppm	%	%
		0.01	50	0.9	2	0.01	0.01
TR-EV-01	Rock	2.35	207	4.3	243	0.15	4.03
TR-EV-02	Rock	2.31	399	7.9	411	0.27	3.52
TR-EV-03	Rock	2.52	99	1.3	106	0.06	0.69
TR-EV-04	Rock	2.79	<50	<0.9	38	0.06	0.40
TR-MV-01	Rock	2.06	<50	<0.9	38	0.03	0.02
TR-MV-02	Rock	1.29	<50	<0.9	8	0.02	0.04
TR-MV-03	Rock	1.79	<50	<0.9	34	0.04	0.02
TR-MV-04	Rock	2.28	<50	<0.9	4	0.01	0.02



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** C JL Enterprises Ltd.  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

**Project:** Topley  
**Report Date:** July 07, 2014

**Page:** 1 of 1

**Part:** 1 of 1

## QUALITY CONTROL REPORT

SMI1400341.1

Method	WGHT	FA550	FA550	MA404	MA404	MA404	
Analyte	Wgt	Ag	Au	Ag	Pb	Zn	
Unit	kg	gm/t	gm/t	ppm	%	%	
MDL	0.01	50	0.9	2	0.01	0.01	
Pulp Duplicates							
TR-MV-04	Rock	2.28	<50	<0.9	4	0.01	0.02
REP TR-MV-04	QC		<50	<0.9	5	0.01	0.02
Reference Materials							
STD AGPROOF	Standard		89	<0.9			
STD OREAS132A	Standard				58	3.58	5.03
STD OREAS134B	Standard				207	13.57	18.41
STD SP49	Standard		57	18.2			
STD SP49	Standard		59	18.4			
STD AGPROOF Expected			94	0			
STD SP49 Expected			60.2	18.34			
STD OREAS132A Expected					58	3.66	4.96
STD OREAS134B Expected					209	13.36	18.03
BLK	Blank		<50	<0.9			
BLK	Blank		<50	<0.9			
BLK	Blank				<2	<0.01	<0.01
Prep Wash							
G1	Prep Blank		<50	<0.9	<2	<0.01	<0.01
G1	Prep Blank		<50	<0.9	<2	<0.01	<0.01



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **CJL Enterprises Ltd.**  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

Submitted By: Chris Warren  
Receiving Lab: Canada-Vancouver  
Received: January 30, 2015  
Report Date: February 05, 2015  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN15000247.1

## CLIENT JOB INFORMATION

Project: Topley Richfield  
Shipment ID:  
P.O. Number  
Number of Samples: 1

## SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CJL Enterprises Ltd.  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0  
CANADA

CC: Lorne Warren  
Mike Middleton  
Benny Liu

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA550	1	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
DRPLP	1	Warehouse handling / disposition of pulps			VAN
DRRJT	1	Warehouse handling / Disposition of reject			VAN

## ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **CJL Enterprises Ltd.**

P.O. Box 662

3176 Tatlow Rd.

Smithers BC V0J 2N0 CANADA

Project: Topley Richfield

Report Date: February 05, 2015

Page: 2 of 2

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

VAN15000247.1

Method	WGHT	FA550	FA550
Analyte	Wgt	Ag	Au
Unit	kg	gm/t	gm/t
MDL	0.01	50	0.9
2015-01	Rock	0.80	534 19.3



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **CJL Enterprises Ltd.**  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

**Project:** Topley Richfield  
**Report Date:** February 05, 2015

**Page:** 1 of 1

**Part:** 1 of 1

## QUALITY CONTROL REPORT

VAN15000247.1

Method	WGHT	FA550	FA550
Analyte	Wgt	Ag	Au
Unit	kg	gm/t	gm/t
MDL	0.01	50	0.9
Pulp Duplicates			
2015-01	Rock	0.80	534 19.3
REP 2015-01	QC		499 18.8
Reference Materials			
STD AGPROOF	Standard	93	<0.9
STD SP49	Standard	64	18.5
STD SQ70	Standard	161	40.1
STD AGPROOF Expected		94	0
STD SP49 Expected		60.2	18.34
STD SQ70 Expected		159.5	39.62
BLK	Blank	<50	<0.9
Prep Wash			
ROCK-VAN	Prep Blank	<50	<0.9



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **CJL Enterprises Ltd.**  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

Submitted By: Chris Warren  
Receiving Lab: Canada-Vancouver  
Received: May 01, 2015  
Report Date: May 07, 2015  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN15000958.1

### CLIENT JOB INFORMATION

Project: Topley Richfield  
Shipment ID:  
P.O. Number  
Number of Samples: 8

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PUL85	8	Pulverize to 85% passing 200 mesh			VAN
FA550	6	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
MA270	4	4 Acid Digestion Analysis by ICP-ES/ICP-MS	0.5	Completed	VAN
DRPLP	8	Warehouse handling / disposition of pulps			VAN
DRRJT	4	Warehouse handling / Disposition of reject			VAN

### ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CJL Enterprises Ltd.  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0  
CANADA

CC: Lorne Warren  
Mike Middleton



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client: CJL Enterprises Ltd.**

P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

Project: Topley Richfield

Report Date: May 07, 2015

Page: 2 of 2

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN15000958.1

Method	Analyte	FA550	FA550	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
Unit		Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
MDL		gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		50	0.9	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
Dump 1	Rock Chip	1129	266.8																		
Dump 2	Rock Chip	851	58.3																		
Dump Middlings	Sand	100	4.7	1.7	260.8	1890.6	3248	106.3	211.6	23	3771	5.16	5829	0.7	<0.5	253	69.6	235.6	2.4	93	5.97
Dump Tailings	Sand			2.5	262.1	2023.4	2131	117.7	188.1	18	3001	4.38	6193	0.8	<0.5	252	43.4	285.1	2.0	73	5.06
East 1	Rock Chip	1028	37.3																		
East 2	Rock Chip	773	15.5																		
East Middlings	Sand	172	1.9	2.3	7037.0	2066.5	18845	175.3	49.8	21	2710	7.22	3204	<0.5	<0.5	58	174.1	1695.2	28.3	36	1.43
East Tailings	Sand			0.9	2824.2	936.1	7815	67.7	13.7	6	1767	2.50	964	<0.5	0.6	16	63.6	644.9	14.2	26	0.45



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** C.JL Enterprises Ltd.

P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

**Project:** Topley Richfield

**Report Date:** May 07, 2015

**Page:** 2 of 2

**Part:** 2 of 3

# CERTIFICATE OF ANALYSIS

VAN15000958.1

Method	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.5	1	0.01		0.001		0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	5	1	0.5	0.05	
Dump 1	Rock Chip																				
Dump 2	Rock Chip																				
Dump Middlings	Sand	0.04	3.2	234	3.00	147	0.210	2.35	0.31	0.47	7.3	15.1	8	4.0	7.3	2.2	<0.5	<5	11	19.8	1.98
Dump Tailings	Sand	0.03	3.2	219	2.49	110	0.151	1.84	0.07	0.47	8.5	12.9	7	2.1	5.4	1.4	<0.5	<5	9	18.9	1.76
East 1	Rock Chip																				
East 2	Rock Chip																				
East Middlings	Sand	0.01	2.7	44	0.75	71	0.093	1.52	0.10	0.63	103.4	6.9	7	1.5	2.7	1.3	<0.5	<5	4	18.5	7.38
East Tailings	Sand	0.01	3.0	17	0.28	53	0.073	1.40	0.04	0.73	75.9	7.3	6	0.9	1.8	1.2	<0.5	<5	2	18.0	1.97



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Canada

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PHONE (604) 253-3158

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Page: 2 of 2

Part: 3 of 3

# CERTIFICATE OF ANALYSIS

VAN15000958.1

Method	Analyte	MA270	MA270	MA270
		Rb	Hf	Se
Unit		ppm	ppm	ppm
MDL		0.5	0.5	5
Dump 1	Rock Chip			
Dump 2	Rock Chip			
Dump Middlings	Sand	27.6	0.5	<5
Dump Tailings	Sand	33.7	0.6	<5
East 1	Rock Chip			
East 2	Rock Chip			
East Middlings	Sand	68.7	<0.5	<5
East Tailings	Sand	90.9	<0.5	<5







Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

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P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

**Project:** Topley Richfield  
**Report Date:** May 07, 2015

**Page:** 1 of 1

**Part:** 3 of 3

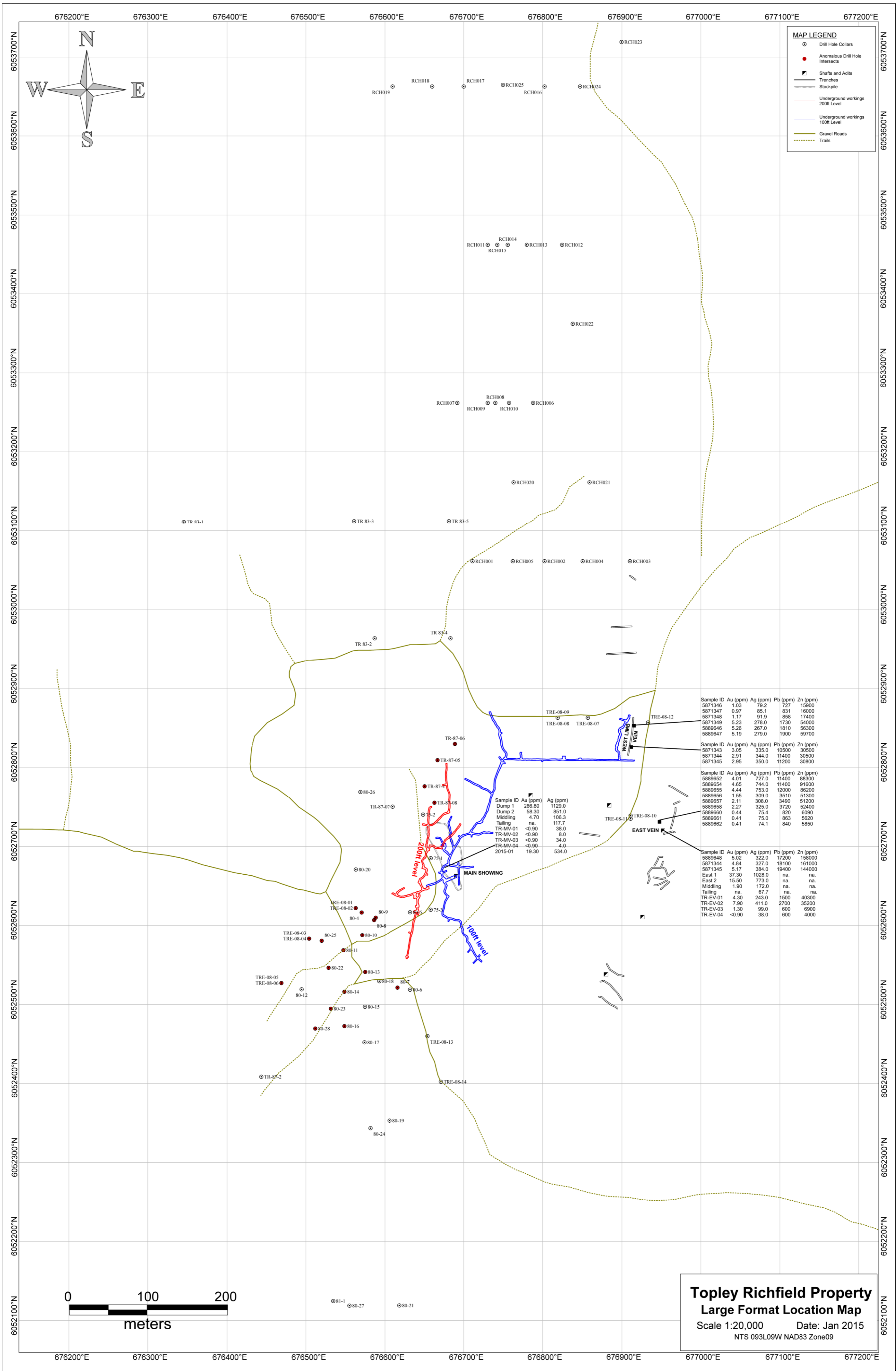
## QUALITY CONTROL REPORT

VAN15000958.1

Method		MA270	MA270	MA270
Analyte		Rb	Hf	Se
Unit		ppm	ppm	ppm
MDL		0.5	0.5	5
Pulp Duplicates				
REP ROCK-VAN	QC			
East Tailings	Sand	90.9	<0.5	<5
REP East Tailings	QC	90.9	<0.5	<5
Reference Materials				
STD AGPROOF	Standard			
STD SF-3T	Standard	89.9	0.5	9
STD SF-3T	Standard	91.4	0.6	8
STD SP49	Standard			
STD SQ70	Standard			
STD AGPROOF Expected				
STD SP49 Expected				
STD SQ70 Expected				
STD SF-3T Expected		90.8	0.6	
BLK	Blank			
BLK	Blank	1.5	<0.5	<5
Prep Wash				
ROCK-VAN	Prep Blank	31.4	1.9	<5
ROCK-VAN	Prep Blank			



## **APPENDIX E - Large Format Map**



**MAP LEGEND**

- Drill Hole Collars
- Anomalous Drill Hole Intersects
- Shafts and Adits
- - - Trenches
- ▭ Stockpile
- Underground workings 200ft Level
- Underground workings 100ft Level
- Gravel Roads
- - - Trails

Sample ID	Au (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
5871346	1.03	79.2	727	15900
5871347	0.97	85.1	831	16000
5871348	1.17	91.9	858	17400
5871349	5.23	278.0	1730	54000
5889646	5.26	267.0	1810	56300
5889647	5.19	279.0	1900	59700

Sample ID	Au (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
5871343	3.05	335.0	10500	30500
5871344	2.91	344.0	11400	30500
5871345	2.95	350.0	11200	30800

Sample ID	Au (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
5889652	4.01	727.0	11400	85300
5889654	4.65	744.0	11400	91600
5889655	4.44	753.0	12000	86200
5889656	1.55	309.0	3510	51300
5889657	2.11	308.0	3490	51200
5889658	2.27	325.0	3720	52400
5889660	0.44	75.4	820	6090
5889661	0.41	75.0	863	5620
5889662	0.41	74.1	840	5950

Sample ID	Au (ppm)	Ag (ppm)
Dump 1	266.80	1129.0
Dump 2	58.30	851.0
Middling	4.70	106.3
Tailing	na.	117.7
TR-MV-01	<0.90	38.0
TR-MV-02	<0.90	8.0
TR-MV-03	<0.90	34.0
TR-MV-04	<0.90	4.0
2015-01	19.30	534.0

Sample ID	Au (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
5889648	5.02	322.0	17200	158000
5871344	4.94	327.0	18100	161000
5871345	5.17	384.0	19400	144000
East 1	37.30	1028.0	na.	na.
East 2	15.50	773.0	na.	na.
Middling	1.90	172.0	na.	na.
Tailing	na.	67.7	na.	na.
TR-EV-01	4.30	243.0	1500	40300
TR-EV-02	7.90	411.0	2700	35200
TR-EV-03	1.30	99.0	600	6900
TR-EV-04	<0.90	38.0	600	4000

**Topley Richfield Property**  
**Large Format Location Map**  
 Scale 1:20,000      Date: Jan 2015  
 NTS 093L09W NAD83 Zone09