

Ministry of Energy and Mines  
BC Geological Survey

Assessment Report  
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Prospecting

TOTAL COST: 1,200

AUTHOR(S): Milosz mielniczuk SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): \_\_\_\_\_ YEAR OF WORK: 2015

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

PROPERTY NAME: Lucky Fox

CLAIM NAME(S) (on which the work was done): Lucky Fox (1036125)

COMMODITIES SOUGHT: Gold Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082LSE020

MINING DIVISION: Vernon Mining Division NTS/BCGS: NTS 82L/01W 082L019

LATITUDE: 50 ° 9 ' 42.19 " LONGITUDE: 118 ° 22 ' 55.24 " (at centre of work)

OWNER(S):

1) Milosz Mielniczuk 2) \_\_\_\_\_

MAILING ADDRESS:

327 Evergreen Way, Vernon BC, V1H-2B8

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

1) Milosz Mielniczuk 2) \_\_\_\_\_

MAILING ADDRESS:

327 Evergreen Way, Vernon BC, V1H-2B8

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

Triassic to Jurassic Nicola Group, volcanic rocks, ntermediate and mafic plagioclase, augite-plagioclase-phyric flows, sills, tuffs

volcanic conglomerate, sandstone, mudstone. Eocene extensional faults, Polymetallic mesothermal quartz veins

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 32781 and 22,931

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	_____	_____	_____
Photo interpretation	_____	_____	_____
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
Airborne		_____	_____
GEOCHEMICAL (number of samples analysed for...)			
Soil	_____	_____	_____
Silt	_____	_____	_____
Rock	_____	_____	_____
Other	_____	_____	_____
DRILLING (total metres; number of holes, size)			
Core	_____	_____	_____
Non-core	_____	_____	_____
RELATED TECHNICAL			
Sampling/assaying	_____	_____	_____
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
PROSPECTING (scale, area)		_____	_____
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
		TOTAL COST:	1,200

**2016 Assessment Report**  
*on the*  
**LUCKY FOX PROPERTY**  
**Prospecting**

NTS 82L/01W

Lat: 50° 9'42.19"N      Long: 118°22'55.24"W  
*(at approximate centre of property)*

Vernon Mining Division  
British Columbia, Canada

Prepared for:

**Aurum Vena Mineral Resources Co.**

By:  
Milesz Mielniczuk B.Sc  
327 Evergreen Way  
Vernon, B.C.  
V1H 2B8

May 1, 2016

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## 1.0 INTRODUCTION

The Lucky Fox Property is located on the south western slope of Yeoward Mountain, about 90 kilometres east of Vernon and lies within the Vernon Mining Division. The property is located on NTS 82L01W and consists of 4 MTO claims that together cover an area of approximately 82.8 hectares. This report describes the results of a prospecting survey of the property in the summer of 2015

### 2.1 Property Location and Description

The Lucky Fox property is located 90 km east of Vernon, B.C. on the NTS map 82L/01W and BCGS map 082L019 as shown on Figure 1. The access is seasonal, by way of Monashee Creek Rd 15 minutes east past the small town of Cherryville.

The property is comprised of 4 MTO mineral claims covering a total area of approximately 82.8 hectares, as shown on the Figure 2 and listed in Table 1.

Claim Name	Type	District Lot or Tenure #	Tenure	Area (Ha)	Good To Date <sup>1</sup>
Lucky Fox	Mineral Claim	1036125	undersurface	82.80	2018/Sep/30

<sup>1</sup> After filing this report

**Table 1: Lucky Fox- Mineral Claims**

### 2.2 Access, Climate, Local Resources, Infrastructure and Physiography

Access to the property from Vernon is east on Highway 6 for 60 km to the Monashee Creek Logging road, then after 3km right on Yeoward FSR. The Yeoward FSR road is fairly steep in sections and climbs 900 m in elevation over approximately 15 km. This road gets to within 1km of the claim boundary. From there is the option of the Yeoward Mountain hiking trail or a very steep and rough ATV trail that is used primarily by cattle grazers and hunters.

Limited services, including room, board and fuel, are available in Lumby, BC (population < 2000). Vernon, with a population of about 40,000 in the city and immediate surrounding area, is a more major supply centre, located 30 km west of Lumby on Highway 6. Most services needed for exploration are available in Vernon. The closest full-service airports are located in Kelowna or Kamloops.

The majority of the property is fairly steep with elevations varying from 1840 to 2060 near the summit. The northernmost part of the property is a near vertical drop off as seen in Figure 3. Although the property is fairly steep there is less outcrop than one would hope to find, and overall the rock exposure is poor.

The vegetation is typical of subalpine to alpine regions. Small stunted trees are seen near the summit with larger trees near the lower southern section of the property. Evidence of historic logging has been found. The majority of the property is a large alpine meadow with a wide array of flowers and grasses. The area is used in the summertime for grazing cattle.

The climate is typical of a mountain system with heavy snowfall in the winter and unpredictable summer weather. Snowpack can last into mid-June.

# Lucky Fox Location Map

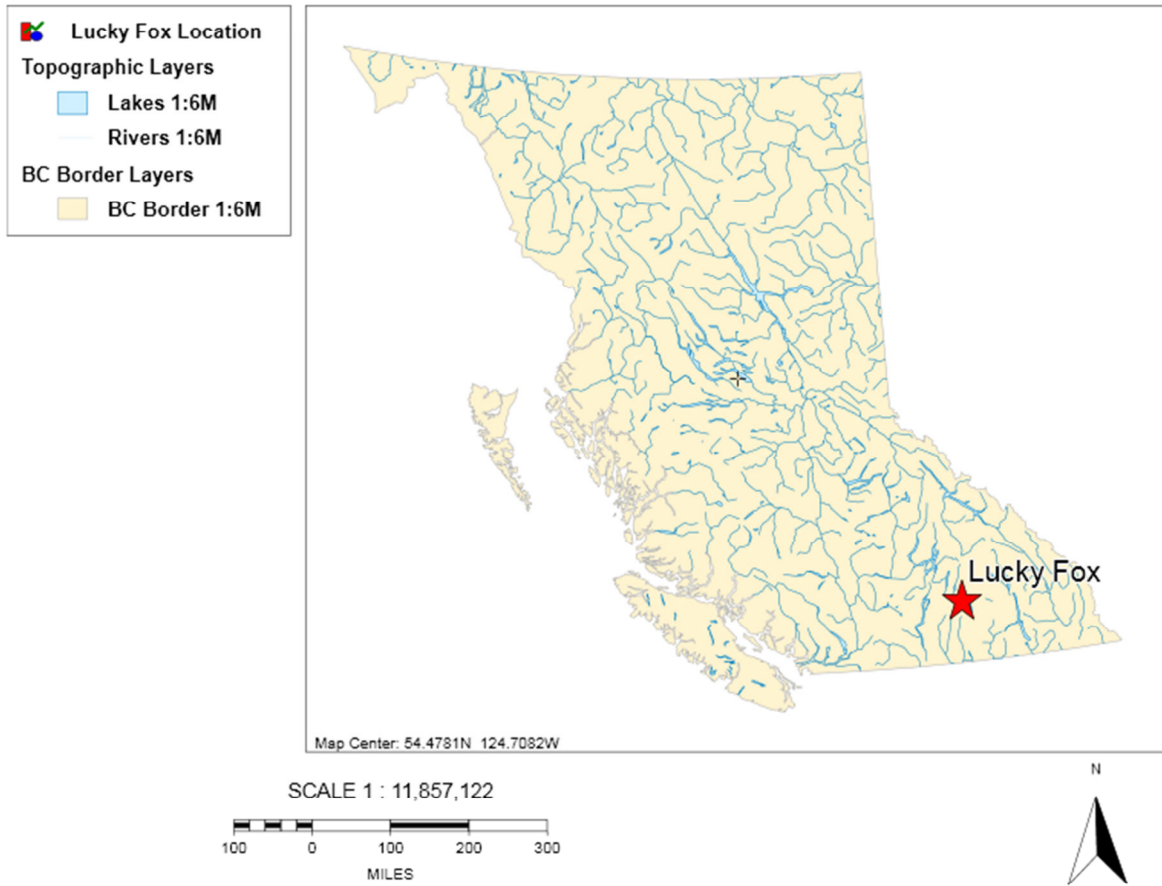


Figure 1 - Location map

# Lucky Fox Claim Map

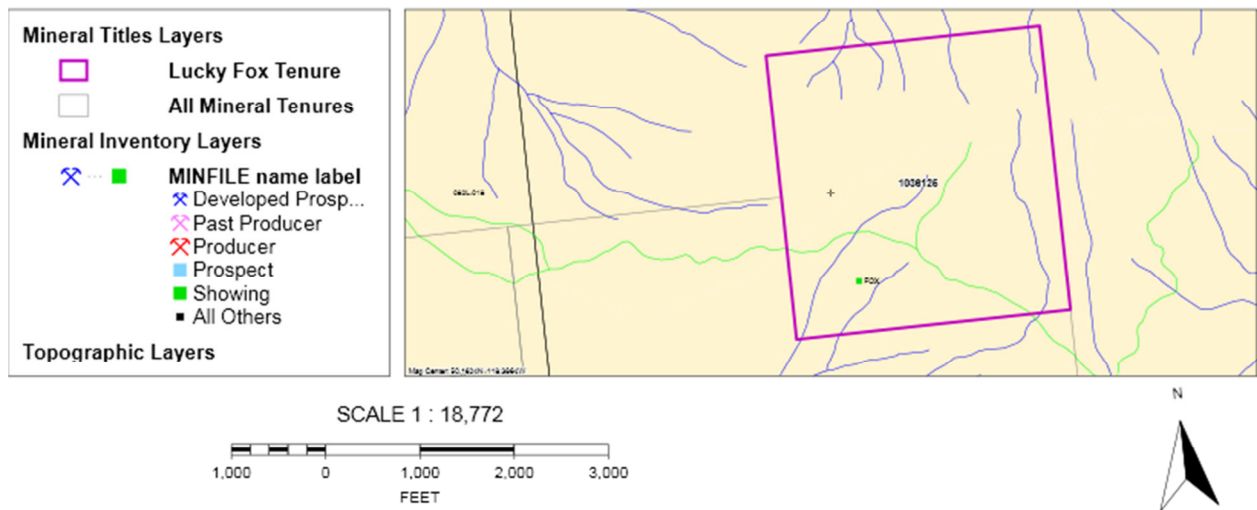


Figure 2 - Claim map





Figure 3-Claim satellite image

### **3.0 HISTORY**

#### **3.1 History of Exploration and Development – Fox Property**

Cherryville BC was founded in the 1860 by miners who discovered gold in Cherry creek. Since the first strike, gold has been found in Monashee Creek, Yeoward Creek, Barnes Creek and Marsh Creek several of which can be found as Minfiles in the inventory.

Historic hard rock mining also exists nearby, such as the Morgan (082LSE022) and St. Paul (082LSE010) underground past producers. Recorded production between 1914-1973 totals 392 tones producing 5630 grams of gold, 112,406 grams of silver, 3720 kilograms of lead and 1258 kilograms of zinc mined between these two producers. Both of these past producers are within 5km of the property.

Another historic working closer by is the Fox showing (082LSE020) or also known as Verna, Nugget or Kelly, that supposedly lies on the property. The showing consists of a 3.6 meter shaft driven on 1.2 to 2.4 meter wide quartz vein. The main vein supposedly contains blobs of galena and smaller cross veins carry pyrite, pyrrhotite, arsenopyrite, galena and chalcopyrite. The silicified host rocks are believed to contain disseminated sulphides. A sample taken from this area in 1978 assayed 0.2 gram per tonne gold, 129.6 grams per tonne silver and 3.35 per cent lead (Assessment Report 7005).

The most recent work in the area is being carried out on the Dona prospect (082LSE016) whose current claim borders the Fox property on the south and west sides. The Dona property owned by Alpha Exploration Inc. has been trenched in 1990 and drilled in 2010, 2011 and 2014. Highlights from the drilling are 0.521 grams per tonne gold over 35.06m, 1.56 g/t Au over 7.5m and 8.72 g/t Au over 2.0 m. A geochemical chip sample across a 2m face in trench 6 on the Donna claims yielded 207.8000 grams per tonne silver and 0.5110 grams per tonne gold.

### **3.0 GEOLOGY & MINERALIZATION**

#### **3.1 Regional Geology**

The property lies within the Triassic to Jurassic Nicola Group. In this section the Nicola group consists of volcanic rocks that can be intermediate and mafic plagioclase- and augite-plagioclase-phyric flows, sills, tuffs and breccias; volcanic conglomerate, sandstone, mudstone.

Immediately to the north and south is a Triassic sedimentary package of the Nicola Group that is composed of sedimentary and clastic sedimentary rocks. These can be shale, argillite, siltstone, sandstone, phyllite, tuff; local polymictic conglomerate, limestone, greenstone and chloritic phyllite.

More sedimentary rocks can be found further to the south in the Devonian to Triassic Harper-Ranch Group. These sediments can be argillite, phyllite, volcanic sandstone, semi schist, meta-augite porphyry and chlorite schist; local carbonate. Within the Harper-Ranch sediments are bands of Harper-Ranch Devonian to Triassic basaltic volcanic rocks.

The oldest rocks in the region are found to the east and belong to the Proterozoic to Lower Paleozoic Monashee Complex. These metamorphic and sedimentary rocks can be Layered paragneiss, schist and quartzite.

Precious metals in the region are believed to be controlled by Eocene extensional faults. Polymetallic mesothermal quartz veins are lead-rich, and contain associated gold, silver, copper, zinc, antimony and arsenic. At shallow to intermediate structural levels these faults have the potential host structures for

epithermal veins and stockworks (Fox, 1993).

### **3.2 Property Geology and Mineralization**

The Fox property has never had a detailed geological mapping program carried out on it. With the low-moderate outcrop exposed it is a challenge to precisely judge the geological setting. The property geology is mainly based on the regional geology and previous assessment reports.

The majority of the property lies within the Upper Triassic to lower Jurassic undivided volcanic rocks (Nicola Group). Near the northern boundary of the property is an east-west contact with the Triassic sedimentary package of the Nicola Group.

It has been reported that the claim is overlaid with a series of dark argillic rocks. These are underlain by metasediments, volcanics and minor acidic intrusive members (Pasleka, 1978).

Mineralization on the property mainly occurs in quartz veins that are hosted preferentially in the argillite unit. These irregular veins can vary in size from small veinlets to large 1.5m wide veins like the one described in the minfile report. These quartz veins can carry Chalcopyrite, Pyrite, Galena, Pyrrhotite, Arsenopyrite. Gold values of 0.2 grams per tonne, silver 129.6 g/t and 3.35 percent lead have been reported at the Fox minfile.

### **5.0 2015 WORK PROGRAM**

The objective of the 2015 work program was to check the authenticity of the Fox Minfile showing by locating it and sampling the area.

The first attempt to reach the Minfile was made on May 23, 2015. This attempt proved unsuccessful. Road access was fine to the hiking trail but halfway up the trail a fairly substantial snowpack was encountered. With some determination the claim boundary was crossed and the minfile coordinates were reached. No workings were found at the coordinates. Only one outcrop was found to be exposed above the snow. Some stocky quartz was found nearby in float. The quartz appeared to have minor pyrite. It was retained for reference purposes only.

The second site visit was carried out on the 17<sup>th</sup> of August. This time there were no issues with snow cover but still the minfile was not located. There is no sign of any old working at the minfile coordinates. The location accuracy states 500m so this is no surprise. The entire southwest quadrant of the property was thoroughly searched. One north south line was done on the western border of the property up to the northern drop-off. Although no minfile was located there seems to be an abundance of quartz float on the property especially near the claim centre. Near the claim centre runs an old ATV trail that appears to lead to the north eastern quadrant of the property. On the side of this trail a few quartz boulders were discovered. These boulders were fairly large, some up to half a meter in width, but poorly mineralized. Their existence was noted, but since they were not in place they were not sampled. The traverses completed in 2015 can be seen in the figure 4 found below.

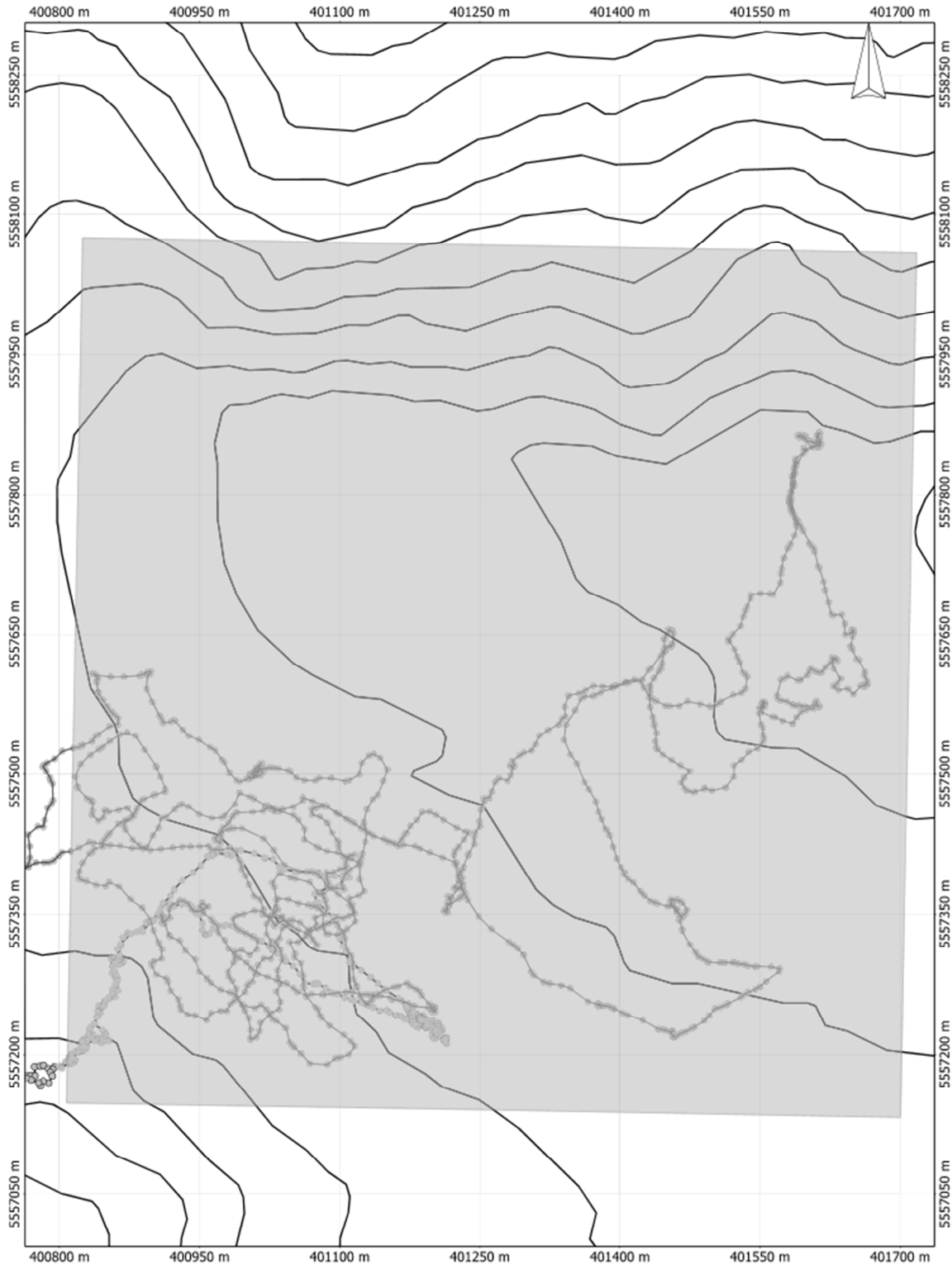


Figure 4- Lucky Fox 2015 traverses

## **6.0 CONCLUSIONS & RECOMMENDATIONS**

Although the Fox Minfile was not found in 2015 the two initial site visits proved to be successful initial reconnaissance trips. Much has been learned during these site visits. First and foremost, the earliest time to attempt a site visit to the Fox property is in mid to late June. The property lies at a very high elevation, and although it may seem like spring elsewhere, one will still encounter a significant snow pack at Yeoward in the late May, early June days.

During the second exploration trip quartz float was discovered near the centre of the claim. These quartz boulders were discovered near the end of the day, and their source was not located. Upon further research the 1978 report on the Verna and Nugget claim on Yeoward Mountain stated that there is a 1.5m quartz vein in the current northeastern quadrant of the Fox property. The Fox minfile coordinates are wrong, but they still may be within the claim boundary.

Locating the Fox Minfile should be a priority as far as future exploration work. The results from the 1978 report must be re-examined to understand more about the property mineralization style and type, as well as to assure the grades from the 1978 report are accurate. A geological map survey of the property should be carried out in the future as well. Once more information is known about the mineralization, a geological map will be an essential tool in identifying other potential zones of mineralization on the property.

## **7.0 STATEMENTS OF QUALIFICATION**

I, Milosz Mielniczuk, certify that:

1. I am an exploration geologist residing at 327 Evergreen Way Vernon, BC, V1H-2B8.
2. I obtained a B.Sc in Earth and Environmental Sciences at UBCO in 2012.
3. I have worked seasonally in the mineral exploration field since 2010.
4. I am the owner of Aurum Vena Mineral Resources Co.
5. I personally carried out the work described in this report.

Milosz Mielniczuk, B.Sc Date of signing

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Milosz Mielniczuk

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Date of signing

## 8.0 COST STATEMENT

### Labour

Milosz Mielniczuk, Geologist/pro prospector 2 days @ \$300/day \$ 600.00

### Expenses

2 return trips to Fox property 560km x 0.68cts/km \$ 380.00

Field supplies (bags, flagging, tags, batteries) \$ 20.00

Report \$ 200.00

\$ 1,200

**Total: \$ 1,200**

## 9.0 REFERENCES

Ainsworth, G.P 2011

2011 Assesment Report on the Diamond Drill Program, Donna Gold Project, Vernon Mining Division, for ESO Uranium Corp. Assessment Report 32781

Fox Geological Consultants Ltd. February 1993

1992 Project Report on the Donna Property, Vernon Mining Division, for Phelps Dodge Corporation of Canada Ltd. Assessment Report 22,931.

Imap BC, Regional Geology maps and information,

<http://www2.gov.bc.ca/gov/content/governments/about-the-bc-government/databc/geographic-data-and-services/imapbc>

Minfile, <http://minfile.gov.bc.ca/searchbasic.aspx>

082LSE020 FOX  
082LSE016 DONA  
082LSE010 ST.PAUL  
082LSE022 MORGAN

Pasleka, C.T 1978

1978 Report on the geochemical soil sampling programme on the Verna and Nugget claims, Yeoward Mountain area, Vernon Mining Division, for Murrat Ranking Developments Ltd. October 15 1978. Assessment Report 07005.