



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: 2200.00

AUTHOR(S): Justin Deveault SIGNATURE(S): Justin Deveault

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): _____ YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5785167

PROPERTY NAME: Thistle

CLAIM NAME(S) (on which the work was done): Thistle #2

COMMODITIES SOUGHT: Copper, Molybdenum, Gold, Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092GSW020

MINING DIVISION: Nanaimo NTs/BCGS: 92G001

LATITUDE: 49 ° 1 ' 10 " LONGITUDE: 123 ° 53 ' 49 " (at centre of work)

OWNER(S):
1) Justin Deveault 2) _____

MAILING ADDRESS:
PO Box 20072
Beverly Corners PO, V8L 5H1

OPERATOR(S) [who paid for the work]:
1) 911 Mining Co 2) _____

MAILING ADDRESS:
PO Box 20072
Beverly Corners PO, V8L 5H1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
granodiorite, chalcocopyrite, molybdenite, bornite, Nanaimo Group sediments, quartz

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: _____

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	5 Photos		
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	22 Chip/Grab Samples	Thistle #2	2200.00
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area) General Prospecting			
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:			2200.00



TECHNICAL ASSESSMENT REPORT ON PROSPECTING

Owners - Operator

Justin Deveault FMC#277308

911 Mining Co.

PO Box 20072

Beverly Corners PO

V9L 5H1

THISTLE PROPERTY

THISTLE #2 MINERAL CLAIM

Tenure Number: 1065440

Tenure Size: 21.19 Hectares

Mount Hayes Area, B.C.

Nanaimo Mining Division

Latitude 49 1 10 - Longitude 123 53 49

BCGS: 92G001

Information for this report

compiled and written by:

Justin Deveault of 911 Mining Co.

FMC#277308

Date Written: December 18th, 2019

A PROSPECTING REPORT ON THE THISTLE PROPERTY MOUNT HAYES, CASSIDY
AREA, NANIAMO MINING DIVISION, B.C.

by Justin Deveault (FMC#277308)

911 Mining Co

December 18th, 2019

SUMMARY

Justin Deveault of (911 Mining Co) holds a mineral title which covers the old Thistle adit in the Cassidy area. This tenure is called the Thistle #2. Otherwise known as the Thistle Property it is a single-cell mineral tenure. The property is located approximately 5km from the Cassidy airport. The claim cell was staked using British Columbia's Mineral Titles Online staking system.

The reason for staking the tenure was to evaluate the mineral potential of an adit found along the base of a stretch of cliffs. The single cell was staked and a preliminary evaluation of the of the adit was done, of which we removed 22 rock chip samples as part of an ongoing sampling program.

INTRODUCTION

This report has been prepared by Justin Deveault of 911 Mining Co. Based out of Duncan, B.C. The report is intended as an account of a program of basic prospecting on the Thistle Property. The information presented here is based upon field work carried out on the property by three individuals and supervised by Justin Deveault of 911 Mining Co.

Exploration dates were September 9th through the 12th and briefly on November 2nd 2019. The work completed was part of an ongoing assessment of the adit, more exploration will take place in the fall of 2020. Since creating this report no subsequent areas have been looked at in the vicinity but is part of the fall 2020 program.

PROPERTY DESCRIPTION

Justin Deveault of (911 Mining Co) currently holds only this single cell mineral title in the area. The property is 21.19 hectares and is located at the base of Mount Hayes.

TENURE LOCATION & ACCESS

The Thistle adit is located, on southeastern Vancouver Island. The tenure, which is approximately 5km from the Cassidy airport, 10km from the city of Nanaimo and 40km from Duncan. Access is gated in two locations, the main which is operated by Fortis BC and logging gate NL122 maintained by Island Timberlands and Mosaic Forest Management. The main is open from 6am to 6pm. A landowner's notification notice was submitted to both companies. Repeated attempts were made to obtain gate access through Mosaic, little progress was gained and our access application remains in "review status" for over a year.

The Fortis BC (Terasen Gas) main logging road runs for about 2.5km, a left turn down a side road runs for 1km before you hit gate NL122. Without gate access there is a 2km hike up old side roads. This will take you within 500 meters of the adit. A poorly marked trail allows easy but steep access to the adit.

Local infrastructure including a network of logging roads, transmission lines and communication services are well developed. Accommodation, supplies and equipment are readily available in Duncan, Ladysmith, Nanaimo and other nearby communities which have adequate supplies for day trips to the tenure. Several areas within 20km can provide overnight accommodation for the traveller.

PHYSIOGRAPHIC SETTING & CLIMATE

The tenure lies between elevations of 250m and 350m above sea level in moderate to steep terrain on most portions of the property. Forest cover is dominantly, fir, cedar, pine, maple much of it in first and second growth. The climate in the area is mild with an average winter temperature of 2° and an average summer temperature of 20.0°. However winter lows can get down to -10° and summer can reach the high 30°'s. During the visits in the late summer and fall months humidity was very high. The average annual precipitation is 1,000mm.

Exploration and development work is generally possible throughout most of the year although access to the tenure was very difficult in a preliminary locating visit which had snow.

AREA HISTORY

The property has had some minor exploration history although minimal information could be found. Gunnex Limited briefly explored the area in the late 1960's. Since then little to no work has been done. Less than 1km is where the Bush Creek showing lies, however previous locating of this showing has failed by a previous company. Future work may include this area.

GEOLOGICAL SETTING & MINERALIZATION

The old Thistle adit is located at the base of a line of cliffs. This is located about 1.6 kilometres northeast of the summit of Mt. Hayes. During exploration work we took a brief look at the geological setting. The adit was struck within Saanich granodiorite of the Jurassic to Tertiary Coast Plutonic Complex which intrudes Upper Cretaceous Nanaimo Group sediments comprised of shale, sandstone and conglomerate.

The adit was struck on a mineralized vein, the main portions of the vein is traceable over 31 metres. However smaller veining can be seen throughout most portions of the adit. Including the upper, lower and stopped portions of the adit. The quartz vein ranges from under 5cm to 305cm wide at the largest point. The vein is hosted in granodiorite and is coarsely crystalline, composed mainly of quartz irregularly intergrown with feldspar and minor mica. This vein on average is hosts approximately 10-20 per cent chalcopyrite, bornite and molybdenite. Several portions of the vein in the upper adit area are much more mineralized than the lower portions, here the vein is at its largest point and some portions contain over 50 percent mineral.

Development consists of approximately 100 m of workings. The lower portion of the mine has a small stope, cross-cut at the back and inclined shaft. The incline shaft is water filled but appears to be over 10m deep. Directly above this is the stope which connects to the upper levels at a 45° incline. In the upper level there is another 25m of workings which follows the larger portions of the quartz vein from the stope to the upper entrance.

Inside the lower portions of the adit approximately 10 percent of the veining is mineralized with chalcopyrite, bornite and molybdenite. In the upper portion and stope abundant chalcopyrite, bornite and molybdenite mineralization can be seen in the quartz at up to 50 percent in sections.

CONCLUSIONS FROM EXPLORATION

A total of 3.5 days were spent on the property. Exploration consisted of preliminary sampling inside the adit, measuring workings 22 samples containing quartz, mica, minor feldspar, chalcopyrite, bornite and molybdenite were taken for future geochemical analysis. Several samples were analyzed under a microscope to confirm types of sulfides present.

Stage two of this program will be a more detailed look at the entire tenure and following along strike at the base of the cliffs and closer to the summit to try to locate more quartz veining. Soil samples will be taken at 25-meter intervals along the base of the cliff. Additional work may include staking of surrounding tenures, preliminary prospecting on those and locating the Bush Creek copper showing. A budget of \$10,000.00 will be needed for this second stage.

SAMPLE DESCRIPTIONS

Sample #1 – Taken 10m from lower portal in small stope/raise. Quartz attached to granodiorite with 50% mix of molybdenite, chalcopyrite, bornite with malachite staining. Chip sample from small quartz vein.

Sample #2 - Taken at lower adit 15 meters from the portal of adit. Quartz attached to granodiorite with molybdenite, minor chalcopyrite, minor bornite. Chip sample from small quartz vein.

Sample #3 - Taken in lower adit back and start of crosscut. Quartz with mica, molybdenite, minor chalcopyrite, minor bornite and malachite staining. Chip sample from 10cm wide quartz vein.

Sample #4 - Taken in lower adit back left portion of crosscut. Granodiorite attached to quartz with minor mica, molybdenite, flecks of chalcopyrite, minor bornite and lots of malachite staining. Chip sample from 12cm wide portion of quartz vein.

Sample #5 - Taken in lower adit back, left crosscut 3m from end of left side crosscut. Quartz with high-feldspar flakes of mica, 10% molybdenite, minor chalcopyrite, minor bornite and malachite staining. Chip sample from 7cm wide portion of quartz vein.

Sample #6 - Taken in lower adit back, right side of crosscut 4m from inclined winze/shaft. Granodiorite attached to minor quartz with flakes of mica in contact, 30% molybdenite, minor chalcopyrite, minor bornite and malachite staining. Chip sample from 3cm wide portion of quartz vein just above water mark in winze.

Sample #7 - Taken in lower adit back, right side of crosscut 3m past inclined winze/shaft. Solid quartz with flakes of mica in contact, 90% molybdenite. Almost solid mineral. Chip sample from 6cm wide portion of quartz vein 60cm from adit floor.

Sample #8 - Taken in lower adit start of incline to stope. Quartz vein following slope up to stope. Minor molybdenite, 50% +/- chalcopyrite and minor bornite, slight malachite staining. Chip sample from 8cm wide portion of quartz vein.

Sample #9 - Taken in incline to stope. Quartz vein following incline floor up to stope thin chip sample of molybdenite, chalcopyrite and minor bornite. Chip sample from floor taken over 60cm wide of quartz vein, thin layer of vein appears to cover entire incline floor going up to stope.

Sample #10 - Taken in upper stope. Quartz vein following roof of raise. Minor molybdenite, 50% chalcopyrite and bornite mix, slight malachite staining. Chip sample from 12cm wide portion of quartz vein.

Sample #11 - Taken in upper stope. Quartz vein following slope to upper portion of the adit. 25% molybdenite, 25% chalcopyrite and 25% bornite approximately, slight malachite staining on little quartz portion. Chip sample from 20cm wide portion of quartz vein.

Sample #12 - Taken in upper adit just outside of stopped area. Quartz vein widens to 25cm or more from here to upper entrance. Mineralization increases and is more consistent at 25% chalcopyrite and 25% bornite mix, slight malachite staining on quartz portion. Chip sample from 25cm wide portion of quartz vein.

Sample #13 - Taken in upper adit 3m out of stopped area. Quartz vein at 18cm thick or more. Mineralization at 50% chalcopyrite and bornite mix, malachite staining on quartz portion. Chip sample taken from 18cm wide portion of quartz vein.

Sample #14 - Taken in upper adit 5m out of stopped area. Quartz vein at 25cm thick or more. Mineralization at 25-30% chalcopyrite and 25-30% bornite mix, malachite staining on quartz portion. Chip sample taken from 22cm wide portion of quartz vein.

Sample #15 - Taken in upper adit 5.5m out of stopped area. Quartz vein at 25cm thick or more. Mineralization at 40% chalcopyrite and bornite mix, no malachite staining on quartz portion. Chip sample taken from 25cm wide portion of quartz vein.

Sample #16 - Taken in upper adit 5.5m out of stopped area. Quartz vein at 25cm thick or more. Mineralization at 40% chalcopyrite and bornite mix, no malachite staining on quartz portion. Chip sample taken from 25cm wide portion of quartz vein.

Sample #17 - Taken in upper adit 6m out of stopped area. Quartz vein at 30cm thick. Mineralization at 70% chalcopyrite and bornite mix. Chip sample taken from across entire portion of quartz vein.

Sample #18 - Taken in upper adit near upper portal. From center of quartz vein at 30cm thick. Mineralization at 70% chalcopyrite and bornite mix. Chip sample taken from across entire portion of quartz vein.

Sample #19 - Taken in upper adit near upper portal. From entire quartz vein at 40cm thick portion. Mineralization at 60% chalcopyrite and bornite mix. Chip sample taken from across entire portion of quartz vein and includes minor host rock..

Sample #20 - Taken in upper adit near upper portal below vein. Solid mass of molybdenite. Mineralization at 60% molybdenite with minor, bornite and chalcopyrite. Chip sample taken from host rock below vein.

Sample #21 - Taken in upper adit near upper portal. From across quartz vein at 200cm thick portion. Mineralization at 10% chalcopyrite, bornite mix, minor flecks of molybdenite. Chip sample has lots of malachite staining.

Sample #22 - Taken in upper adit at upper portal entrance. From across quartz vein at 105cm thick portion. Mineralization at 10% chalcopyrite, bornite mix, minor flecks of molybdenite and iron pyrite. Chip sample has lots of malachite staining and minor pyrite is partially oxidized.

All samples have been bagged, tagged and recorded. Samples will be held as part of a 2020 and 2021 continued exploration program of extended outcrop, soil and sediment sampling program.

Samples will all be sent in for geochemical analysis in the future to ALS in Burnaby, BC.

PHOTOS



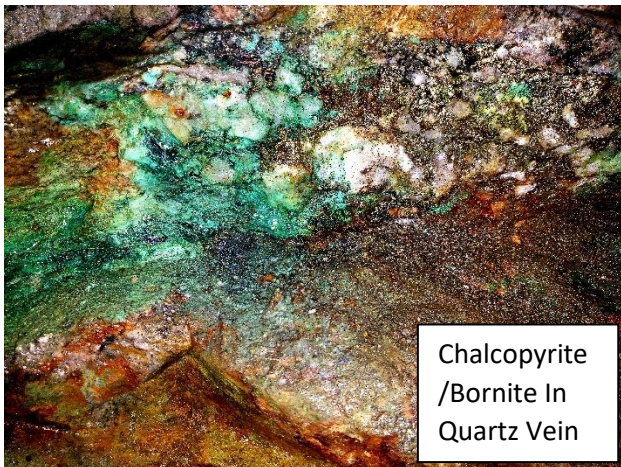
Upper vein area between 4 and 10m from upper entrance.



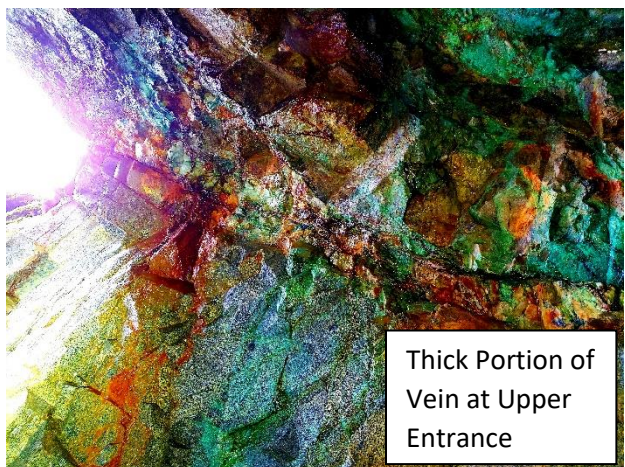
Molybdenite /Bornite



Lower crosscut vein left side.

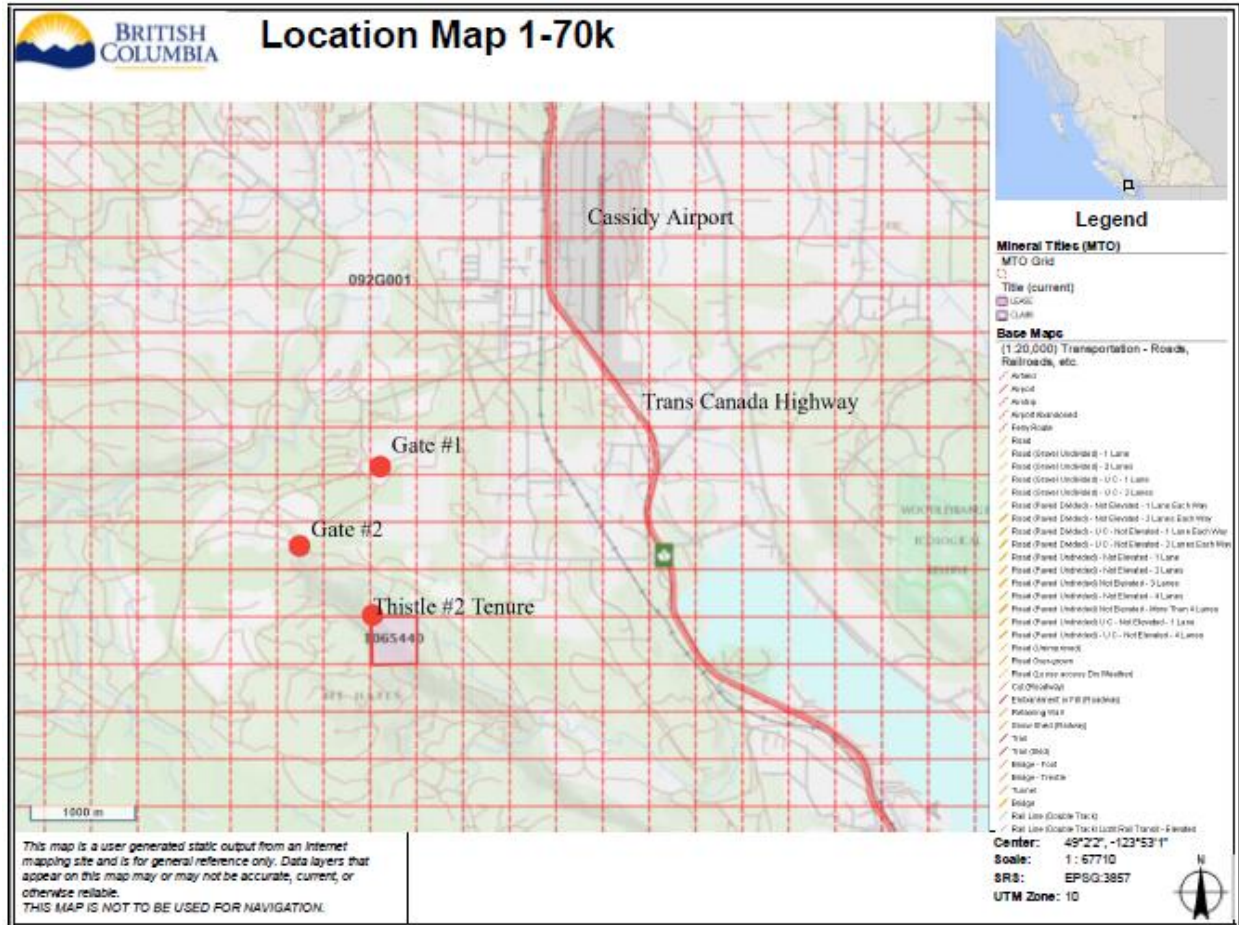


Chalcopyrite /Bornite In Quartz Vein

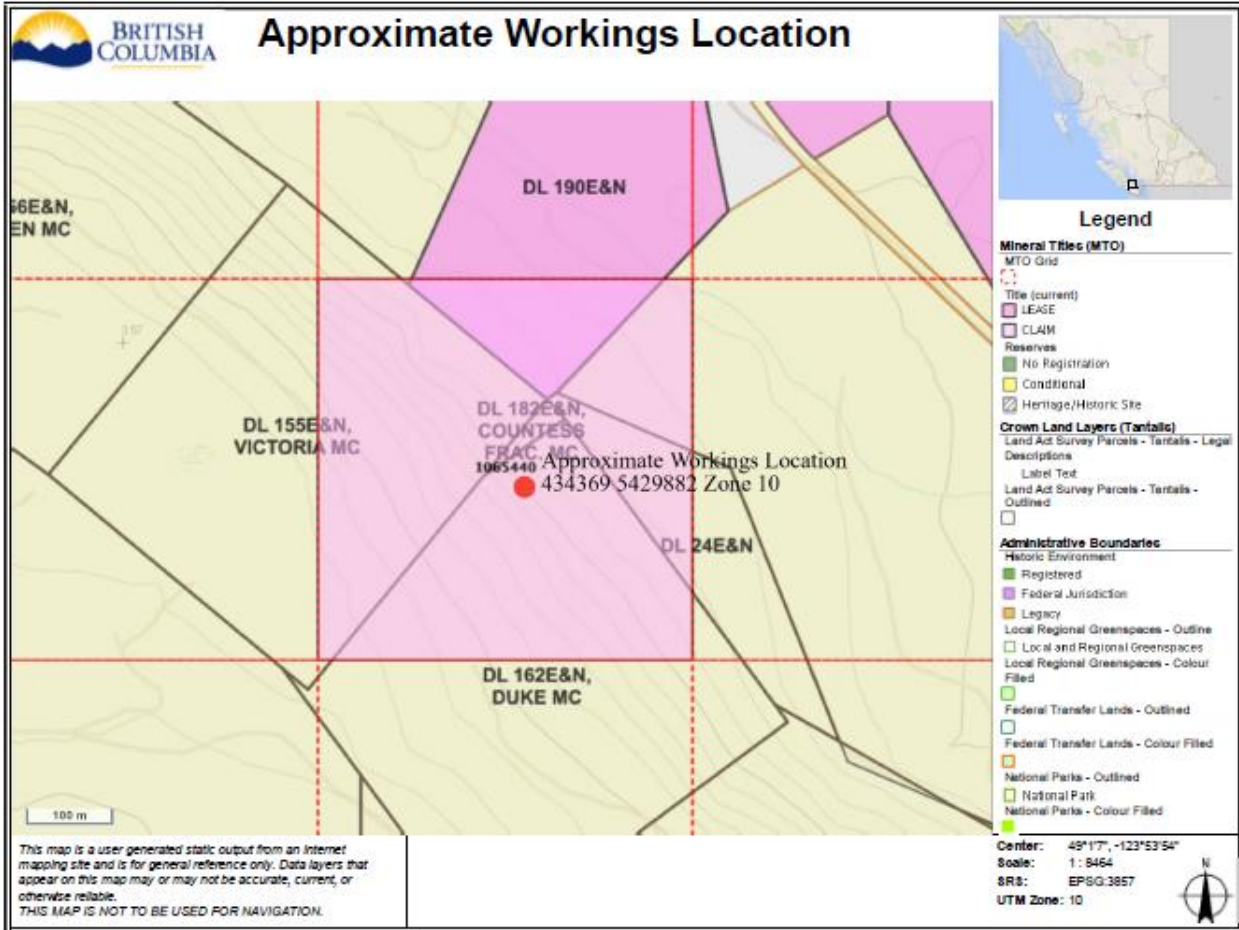


Thick Portion of Vein at Upper Entrance

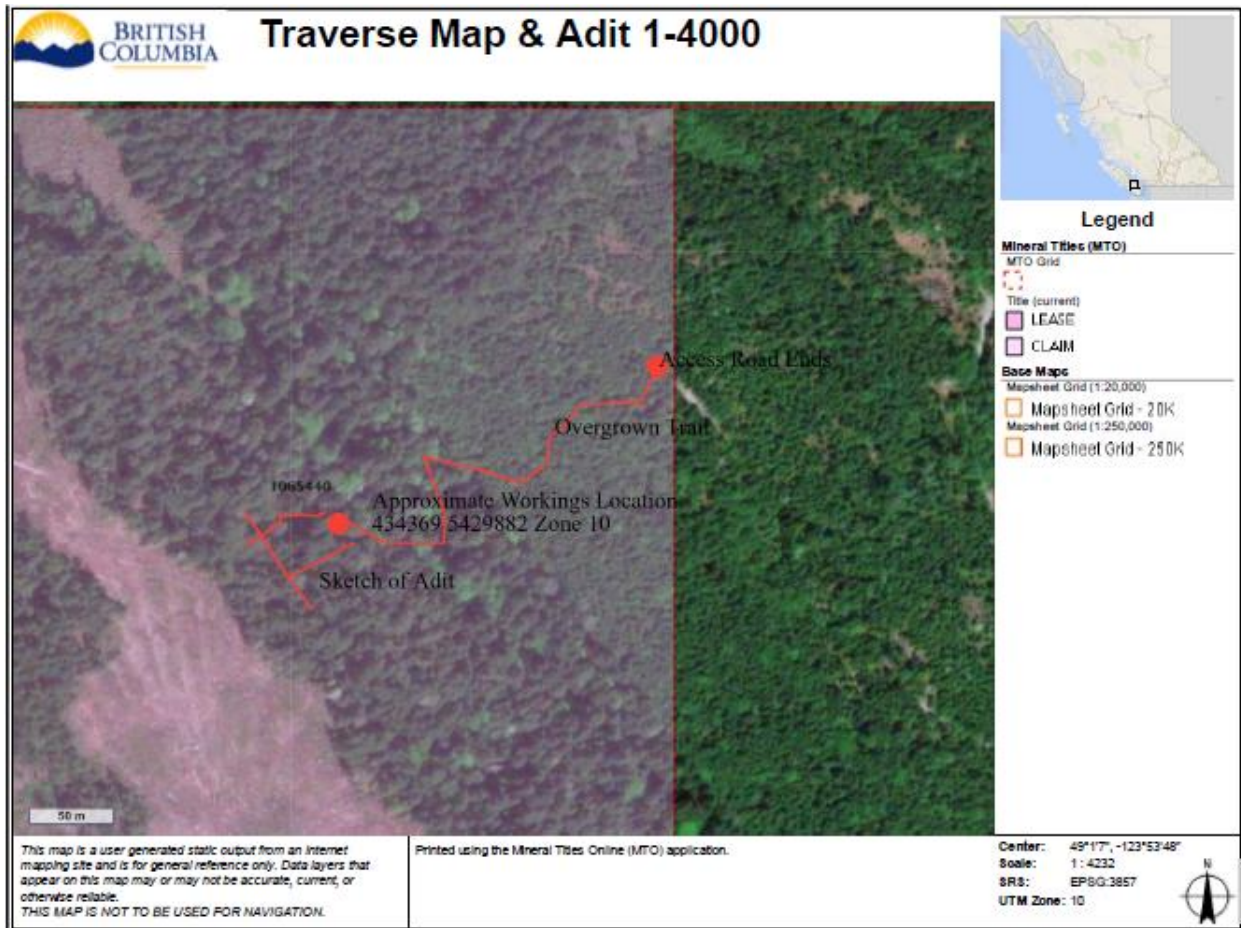
MAPS & SHOWING LOCATIONS



MTO map shows gates and access to the Thistle #2 property from the Cassidy Airport and Trans Canada Highway.



MTO map shows approximate workings vicinity and contours.



Access from the logging road and approximate trail traverse. Small sketch of approximate underground workings

REFERENCES

- 1) Notes Property file 8277, 5642, 5639, 5643, 5644 (www.propertyfile.ca)
- 2) Gunnex Limited (Located in 092F General File); Douglas, D.C. (1969): Summary Report of Work Done on Mt. Hayes, May 5, 1969, page 3 and Assays, Notes and Maps)
- 3) Minfile Report (092GSW020) THISTLE, DUFF, GOOD, STRIKE
- 4) EMPR PF (Laanela, H. (1966): Report on the Mount Hayes Copper Showing, Mineral Occurrence #24

STATEMENT OF EXPENDITURES

Justin Deveault (Supervisor) - 20 Hours @ \$40/hr = **\$800.00**
(Sept, 9th, 10th, 11th, 12th & Nov 2nd)

Justin McNutt (Labour) - 20 Hours @ \$25/hr = **\$500.00**
(Sept, 9th, 10th, 11th, 12th & Nov 2nd)

Michael Deveault (Labour) – 10 Hours @ \$25/hr = **\$250.00**
(Sept 12th & Nov 2nd)

Travel, Truck, Fuel -5 Days @ \$50/day = **\$250.00**

Misc. Supplies, Sample Bags, Tags = **\$80.00**

Report & Documentation (Justin Deveault @ 8 Hours/\$40/hr = **\$320.00**

Total Cost – \$2200.00

TENURE EXPIRY DATE CHANGE

Exploration and Development Work / Expiry Date Change Event Detail

Event Number ID	5765167
Recorded Date	2019/nov/27
Work Type	Technical Work (T)
Technical Items	Prospecting (PR)
Work Start Date	2019/aug/20
Work Stop Date	2019/nov/15
Total Value of Work	\$ 2200.00
Mine Permit Number	

Summary of the work value:

Title Numbers	1065440
Claim Name/Property	THISTLE #2
Issue Date	2019/jan/02
Work Performed Index	Y
Old Good To Date	2020/jan/02
New Good To Date	2025/jan/02
Numbers of Days Forward	1827
Area in Ha	21.19
Applied Work Value	\$ 953.54
Submission Fee	\$ 0.00

Financial Summary:

Total Applied Work Value:	\$ 953.54
PAC name	911 Mining
Debited PAC amount	\$ 0.00
Credited PAC amount	\$ 1246.46
Total Submission Fees	\$ 0.00
Total Paid	\$ 0.00

STATEMENT OF QUALIFICATIONS

I Justin Deveault (FMC277308) of 911 Mining have practiced my profession for 15 years. I have been employed in the mineral exploration industry and have experience with many individuals and companies performing grassroots mineral exploration throughout British Columbia, primarily Vancouver Island.

I have studied the geology of Vancouver Island extensively. I have taken many university level geology as well as exploration courses.

I am the owner, operator and supervisor for 911 Mining Co. This report is based on the results of a program of basic prospecting and sampling performed by myself, Justin J McNutt and Michael Deveault.

Date: September December 18th 2019

Author: Justin Deveault (FMC277308)

Signed: *Justin Deveault*