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2-57500

Technical assessment work report by Mitchell Noyes.

Exploration permit #PR-13-10409

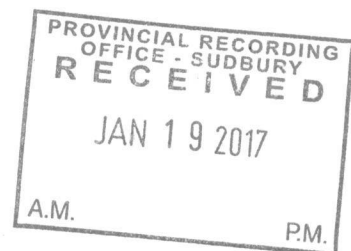
Known as the Gunnard project in Mctavish Township

Thunderbay District

Leased Mining claims TB221168/TB276469/TB302169/TB336031

Staked Claims 4265637/4265638/4274649/4276351

Commodity Amethyst.



Previous work consisted of prospecting, line cutting, mechanical and manual labor, and hosing, stripping overburden with heavy equipment.

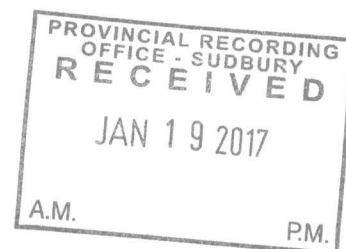
Current Work consists of prospecting/Manual Labor/Mechanical and manual Stripping/Hosing washing Trenching, Removing overburden/Site development.

Equipment used Honda water pump.C5 Tree farmer Skidder, Link Belt 3500 Excavator. Case 540 Back hoe.Husquavarna chain saw,Bars,Shovels,Picks,Sledge Hammers, Garmin XP20 GPS.

Transportation Ford F150 Pickup, Suzuki King Quad 400

Dates worked May 3<sup>rd</sup> 2015 To October 23<sup>rd</sup> 2016

Continuing in Spring of 2017



## Geology & History

In 1971, McIlwaine mapped McTavish Township. Garland completed a study in 1994, describing the geology and compiling data of already known amethyst occurrences in the Thunder Bay area. Garland reports the following authors for further reference;

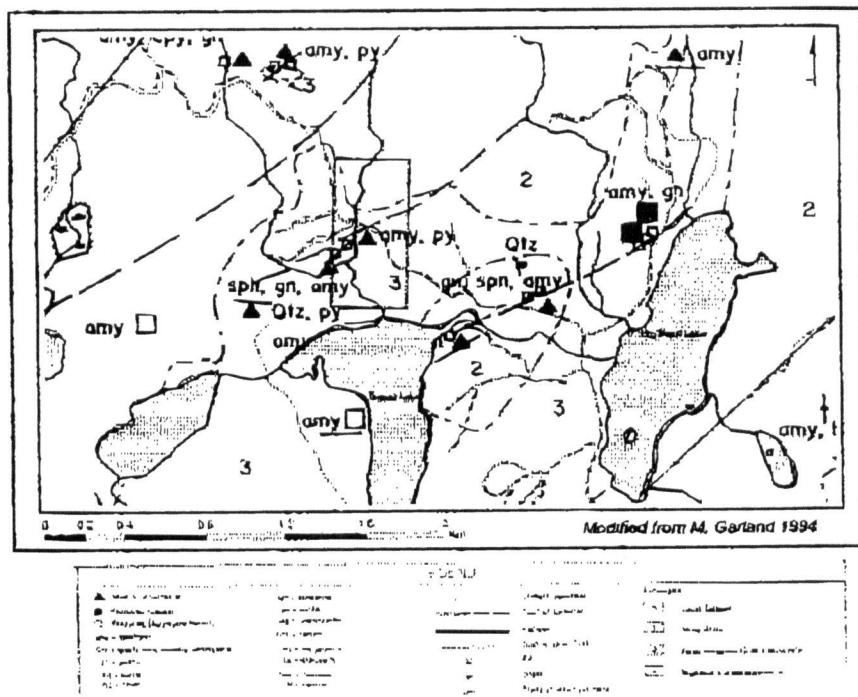
"Regional geology and structure of the Southern Province has been described by Card et al. (1972); Sims et al. (1981); and Wallace (1981). Detailed geology and mineral occurrences for specific regions within the Proterozoic of Lake Superior have been described by: Tanton (1931); Franklin (1970, 1978); Franklin and Mitchell (1977); Franklin et al. (1980); Franklin et al. (1986); Melhwaite (1971, 1972). A good summary of the regional geology is presented in the *Geology of Ontario*, volume 1, by Suckliffe (1991)."

The Gunnard Project property is underlain by Archean quartz monzonite rocks of the Quetico subprovince (#2) and Proterozoic rocks of the Sibley group (#3). A northeast trending fault mineralized with amethyst (+/-sphalerite, +/-galena, +/-pyrite) trends though the middle of the property as shown on the map below (Garland, 1994).

Prospecting for amethyst in the Thunder Bay area dates back to the early 1860's. The Thunder Bay Amethyst Mine Panorama, located approximately 3 km to the northwest of the Gunnard project (claim #4265638), was discovered in 1935. The discovery led to increased interest for amethyst in McTavish Township (Garland, 1994). Currently there are four deposits in McTavish Township that see small scale extraction of amethyst (Puumala et al, 2013).

In the 1960's, the Gunnard project (claim #4265638) was prospected and small scale amethyst production was carried out by Mr. G. Noyes (Vos, 1967). Mr. G. Noyes' son and grandson continue to prospect the claim for amethyst.

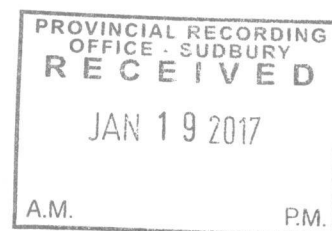
**Map: Regional Geology of the Gunnard Project property**



# Access and location

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To get to claim # 4274649 you will travel east from Thunder Bay for approximately 50 km to the small town of pearl. Exiting north off the hiway onto road 5 north crossing over the railway tracks and immediately turning left onto what is known as the Amethyst mine road. travel for 3 km you will come to a small bridge over the pearl river and taking the first turn to the left which then accesses onto a gated private property access road. The road travels for about 2 km and enters at the south end of the claim. It is possible to travel on an unmaintained ruff road to the north end of the claim. The south end of the claim is mostly treed with mixed birch and poplar with old access roads and travel trails within. The north end of the claim is high rugged ground made of high granite open landscape which makes access difficult and hard to explore.



## Associated costs

Leased claims Pin #62488-0026

TB221168,TB302169,TB276469,TB336031

Staked Claims 4274649

Use of heavy equipment at \$100.00 per hour x23 hours  
(Skidder, Backhoe, Excavator)= \$2300.00

Manual Labour \$25.00 an hour x 18 hours =\$450.00

Prospecting \$25.00 an hour x 8 hours =\$200.00

Fuel for equipment =\$300.00

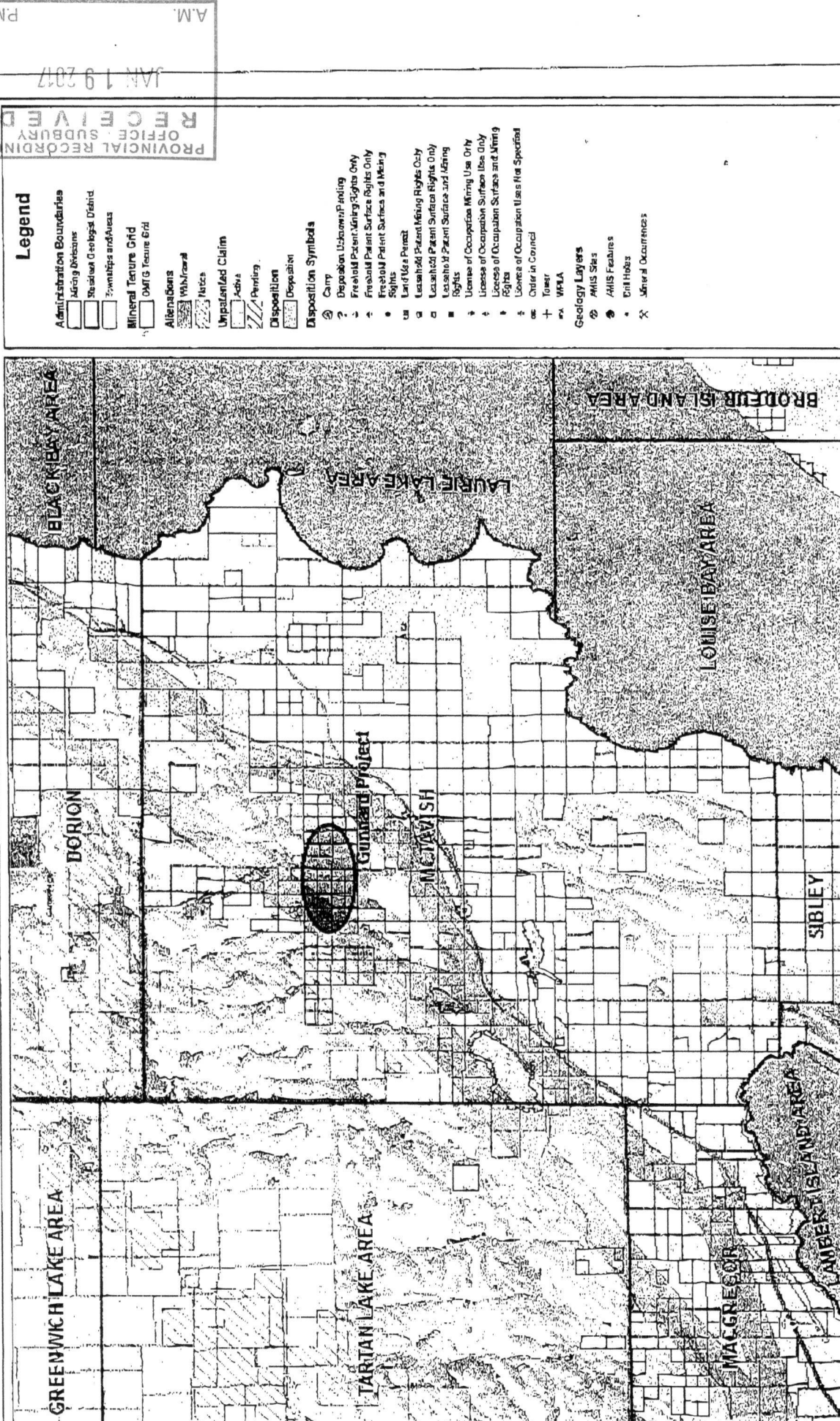
Total costs \$3250.00

Notes:  
Mitchell Noyes

# GUNNARD PROJECT

MINISTRY OF NORTHERN DEVELOPMENT AND MINES  
CLAMaps

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- Legend**
- Administration Boundaries
  - Mining Districts
  - Quarried Geological District
  - Townships and Areas
  - Mineral Tenure Grid
  - DMTG Tenure Grid
  - Alienations
  - Waterfront
  - Notes
  - Unpatented Claim
  - Active
  - Pending
  - Disposition
  - Disposition Symbols
  - ② Camp
  - ③ Deposition Unknown/Pending
  - ④ Freehold Patent Mining Rights Only
  - ⑤ Freehold Patent Surface Rights Only
  - ⑥ Freehold Patent Surface and Mining Rights
  - ⑦ Land Use Permit
  - ⑧ Leasehold Patent Mining Rights Only
  - ⑨ Leasehold Patent Surface Rights Only
  - ⑩ Leasehold Patent Surface and Mining Rights
  - ⑪ License of Occupation Mining Use Only
  - ⑫ License of Occupation Surface Use Only
  - ⑬ License of Occupation Surface and Mining Rights
  - ⑭ License of Occupation Use Not Specified
  - ⑮ Order in Council
  - ⑯ Tower
  - ⑰ WHLA
  - Geology Layers
  - ⑱ AMIS Sites
  - ⑲ AMIS Features
  - ⑳ Drill Holes
  - ㉑ Mineral Occurrences

Projection: Web Mercator

Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry, NASA Landsat Program, First Base Solutions Inc., Aero-Photo (1981) Inc., DigitalGlobe Inc., U.S. Geological Survey.

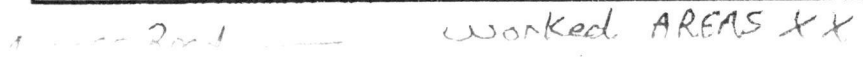
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8.4 km

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## Stripping and excavation report for claim #4274649

Claim holders Mitchell Noyes and Martin Noyes.

May 3<sup>rd</sup> 2015 Northwest corner of claim used my C5 tree farmer for a total of 5 hours to remove trees to open up more area along a vein of Amethyst we knew was there and had been previously discovered by our Grandfather many years ago. The vein runs east to west along the bottom side of granite out crop or high ground. The Amethyst discovered is a deep purple mixed with quartz. I worked here on this day for a total of 5 hours with my skidder and opened up an area approximately 20 meters by 20 meters at a rate of \$100.00 per hour including operator. Totalling \$500.00 Coordinates of area worked are 0375540E 5394520N

May 4<sup>th</sup> 2015 on this day I took a Honda water pump to the site where I removed the trees and proceeded to hose and clear away the overburden. I was able to see the vein which held Amethyst of a deep purple in colour mixed with quartz. I spent a total of 8 hours hosing and manual labour removing overburden with picks shovels and bars at a rate of \$25.00 per hour totalling \$200.00

May 5<sup>th</sup> 2015 I started the day off prospecting at the Northwest corner of the claim heading to the far east side then proceeded to crisscross my way back and forth threw out the claim. Along the way I found areas that had been previously worked and there was evidence of Amethyst mixed with granite and quartz. I spent a total of 8 hours prospecting at a rate of \$25.00 per hour totalling \$200.00

May 6<sup>th</sup> 2015 using my C5 tree farmer skidder I decided to remove more trees and strip overburden a little to the east along the bottom of the granite ridge to see if I could expose the vein the area is approximately 30 meters by 20 meters I spent a total of 4 hours at a rate of \$100.00 per hour including operator totalling \$400.00. Coordinates of this area are 0375666E 5394543N

## Stripping and excavation report for claim #4274649 #2

Claim holders Mitchell and Martin Noyes.

May 10<sup>th</sup> 2015 I brought a Case 540 backhoe to the site so I could dig down deeper and remove overburden. I opened up an area approximately 10 meters long and 3 meters wide it was very hard digging in due to the hard granite. I was able to find more Amethyst and the vein seems to run deeper as it heads to the west. I spent a total of 8 hours at a rate of \$100.00 per hour including operator totalling \$800.00. Coordinates of this area are 0375540E 5394486N

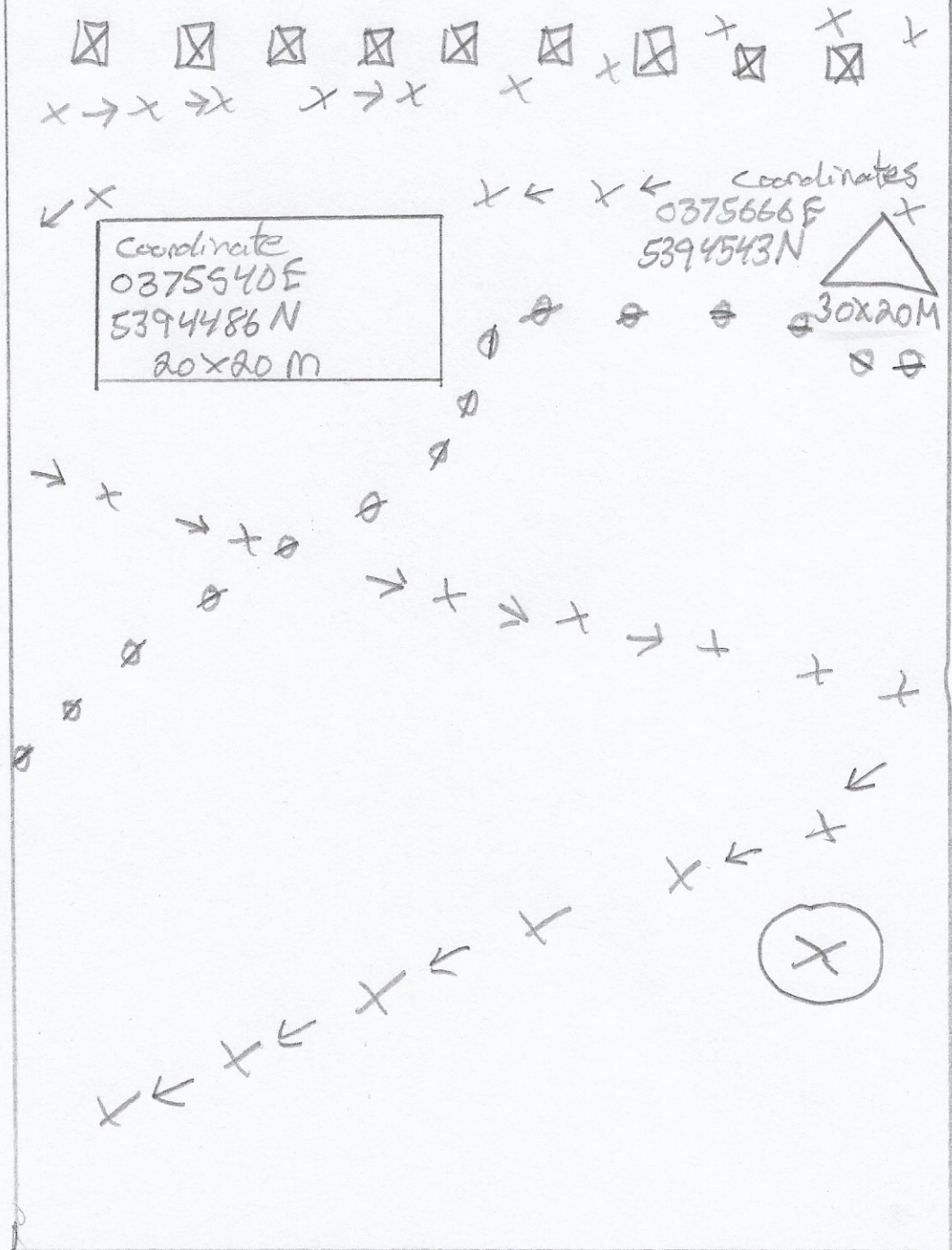
May 12<sup>th</sup> 2015 my brother Martin brought in a Link Belt 3500 Excavator to build road to the site and do some more stripping where I could not get to with my Skidder or Backhoe. Between May 12<sup>th</sup> and May 20<sup>th</sup> he spent a total of 6 hours stripping more area and levelling off the site to make it more safe and accessible to explore at a rate of \$100.00 per hour totalling \$600.00.

September 26 and 27<sup>th</sup> 2015. My son and I went back to the area. Using bars, shovels, picks, sledge hammers, husquavarna chain saw we manually stripped and removed brush and loose rock a little further down a steep ledge to the west of where we previously worked hoping to find the vein. We had no luck since I think it runs very deep in this area. We will pursue this spot more in the near future. We spent a total of 5 hours each day totalling \$250.00 Coordinates of area are 0375490E 5394486N

CLAIM # 4274649 McTAVISH Township



GRANITE High Ground



GRANITE High Ground

ACCESS TRAIL

AREA OF STRIPPING AND TRENCHING OVER BURDEN REMOVAL 20x20 meters

AREA OF TREE REMOVAL AND STRIPPING 30x20 meters

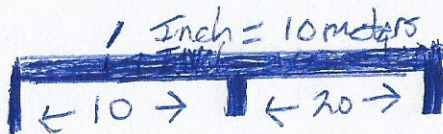
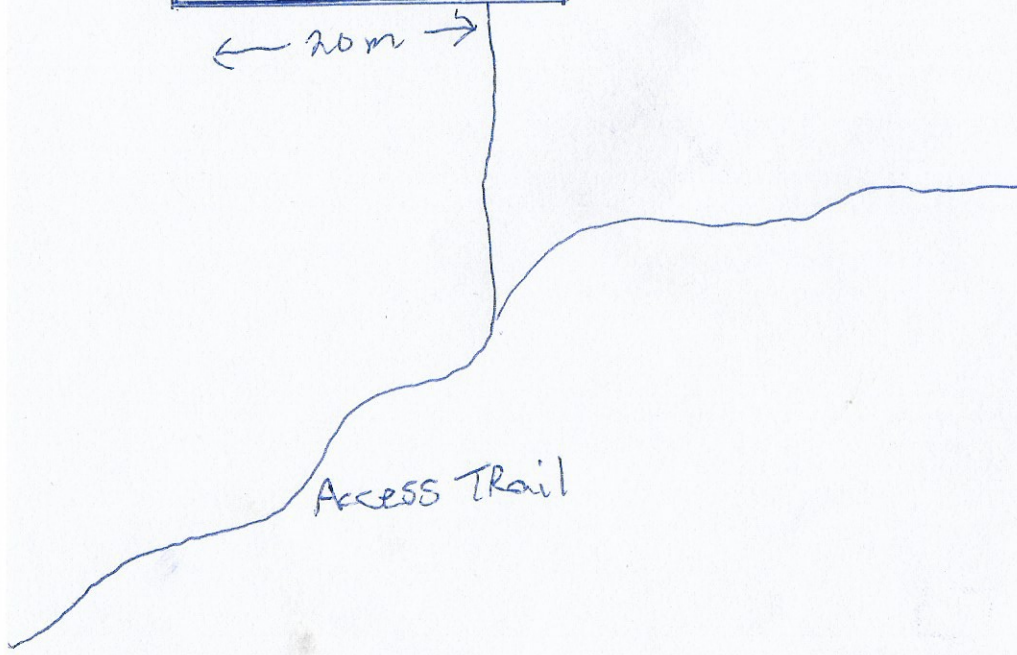
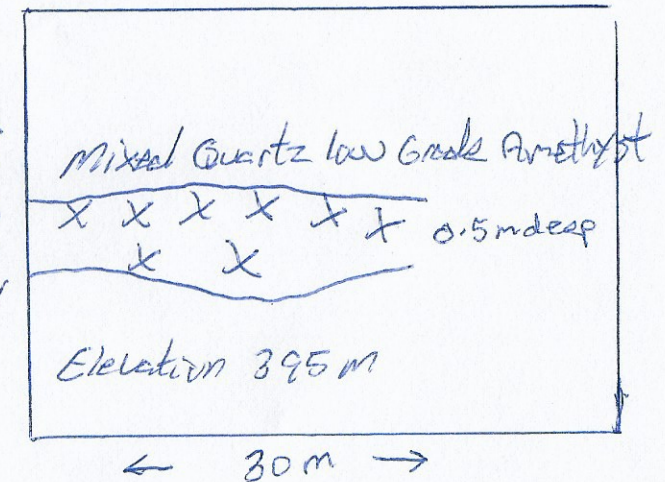
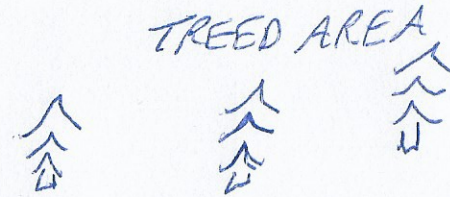
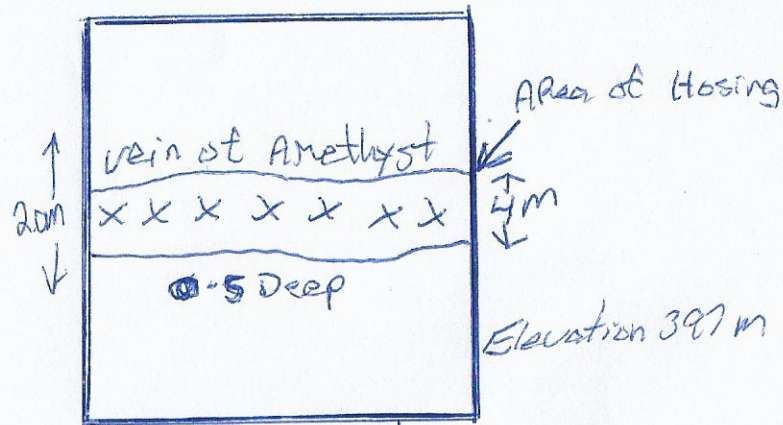
Prospecting Route of Trail


Previously worked Area



# Detailed Map of Stripped Area claim # 4274649

AREA of High Ground Elevation 403 meters  
GRANITE outcrop



cleared Area   
Stripped Area x x x

vein of Amethyst Quartz





Photo of Amethyst vein found while prospecting



