

Technical Report

Geochemical Sampling of Raymond Creek on Vancouver Island

Victoria Mining District

092C 15

BC Geological Survey
Assessment Report
32689

UTM Co-ordinates
5414044N
389836E

Owner of Claims is Dean Arbic(133434)

Report Written by Dean Arbic

Work Performed and Supervised by Dean Arbic

Event Numbers
5121688
5121694

Report Date January 30 2011

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Introduction, Claim Location and History

This report documents the work performed on the mineral claims named; Zodiac (603588), Libra (733862), Constitution (904529) and Marigold (904489). These claims are located on Southern Vancouver Island in the region between Cowichan and Nitinat Lakes. The claims are situated around the headwaters of Raymond Creek which is a creek that flows into Nixon Creek.

A network of old and new logging roads crisscross this area and vehicle access is excellent to the Constitution and Marigold claims and old de-activated roads serve as adequate hiking trails to the Zodiac and Libra claims. The claims are approximately 7.5 kilometers west of the western end of Lake Cowichan. To drive to the claims you travel west from the Town of Lake Cowichan through Honeymoon Bay and take logging roads further west to the Town of Caycuse, then turn left onto Nixon Creek mainline and travel southwest for another 7 kilometers then turn north on logging spur road C5. After driving 5 more kilometers you will arrive at the Marigold and Constitution claims and drive from there along the old Granite creek road branch 10 to Granite Main then hike on foot and turn right onto branch 14 and 14A to access the Libra and Zodiac claims.

Over 50 years ago a series of claims were staked in the same area. They were called the Archer claims and the Good Gold claims and a program of geological mapping, soil sampling, trenching, test pits and drilling were conducted. Zones of magnetite, chalcopyrite and pyrite were identified.

The majority of the work was done in 1964 by Avallin Mines Ltd. Then in 1969 Quintana Mines Ltd. did more soil sampling of a reconnaissance nature hoping to identify copper and molybdenum resources. In 1976 Fox Geological consultants mapped and sampled old pits and skarn zones. Then in 1983 G.A. Noel and Associates confirmed large copper mineralizations in the area.

More recently in 1988 Nuspar resources did some drilling and geological mapping and extensive assaying that revealed the presence of anomalous gold and silver and recommended further sampling of a roadside outcrops in the immediate area. Based on that conclusion I have undertaken the work performed and detailed in this report.

Regional Geography

Raymond Creek is just south of the area between Cowichan Lake and the Nitinat Lake. This region is characterized by the underlying formations of the Upper Triassic Vancouver Group and the Lower Triassic Bonanza Group. The Vancouver Group is made of the Karmutsen Formation which was a large thick oceanic floor of Basalt and Andesite. This ocean floor was overlain by Quatsino Limestone and then that was covered later by Argillite supposedly from the Parson Bay Formation.

More recently during the Mesozoic and Jurassic eras there has been many intrusions of Granodiorite and Andesite, and much faulting and folding creating ideal conditions for a wide range of igneous, metamorphic and sedimentary metallic minerals.

Technical Work Description

Once it was established what roads could be used to access the claims with the help of Google Maps. A program of locating potential sites for the sampling of exposed bedrock and stream sediment that might yield values of precious metals was undertaken. Two main areas of iron ores were located and the co-ordinates recorded with a GPS device and samples were taken with hand tools and catalogued and removed for further analysis. The most interesting of these sites were photographed with a digital camera.

After reviewing some of the previous reports that have been filed concerning this area and the previously staked claims that have since expired. I decided I should focus on the areas that it appears had not been previously sampled or assayed by the trenching, drilling or soil sampling programs of the past.

Sample #	UTM Co-ord.	Description
1	5415040N 389508E	Promising location of iron ore containing gold and silver, blue andesite with large veins and crystals of metal, approximately 50 kg removed
2	5415011N 389409E	More iron ore with pyrite and maybe copper values as green and blue staining can be seen on exposed bedrock approximately 10 kg removed
3	5415030N 389331E	Sample from bottom of waterfall where extensive quartz and calcite stringers and veins were found in dark basalt approximately 5 kg
4	5414960N 389129E	Large reclaimed area with more pyritic andesite approximately 10 kg removed
4a	5414960N 389129E	Iron ore appears to be pyritic andesite and siliceous andesite approximately 10 kg removed
5	5414044N 389836E	Roadside iron ore with cementation zones and a layer of blue and white clay full of striated monoclinic crystals with a bright silver appearance approximately 250 kg removed
6	5413917N 390024E	Pyritic andesite outcropping near stream 10 kg removed
6a	5413917N 390024E	Basalt with many stringers and vein of quartz and calcite occurring at the contact zone between the andesite and basalt 10 kg removed

- | | | |
|----|----------------------|---|
| 7 | 5413900N
390079E | Bedrock sample from under water table to prevent oxidation of pyritic andesite at contact with basalt and quartz veins approximately 50 kg removed |
| 7a | 5413900N
390079E | Sediment sample from sweeping out cracks in bedrock with a small broom and whisk after prying apart sections of bedrock with a large steel bar approximately 30 kg removed |
| 7b | 5413990N
390079E | Sediment sample from prying apart with a large steel bar and hammer and chisel sections of basalt with calcite veins and sweeping it with a small broom and whisk approximately 40 kg removed |
| 8 | 5413904N
390260E | Black Argillite with rust in the seams approximately 5 kg removed |
| 9 | 54130840N
390333E | Grey limestone with small black specks approximately 25 kg removed |

Equipment and Tools Used

This program of sampling was carried out with hand tools. Hammers and chisels and various pry bars of different sizes were used to chip at bedrock and break open cracks and seams in the rock. Samples were then placed in buckets and labelled and backpacked to the nearest vehicle access points.

Sediment samples were obtained the same way and swept with a small broom and shovel from the crevices in the bedrock and collected in buckets and labelled and backpacked to the nearest road.

UTM co-ordinates were collected with a handheld Magellan eXplorist 100 GPS unit. Co-ordinates are generally accurate within 5 to 40 meters depending on the topography, interference from trees and weather conditions.

Digital photographs were taken using a Canon PowerShot A540 Digital Camera.

Statement of Work and Cost

This statement of work is for both events numbered 5121688 and 5121694.

September 27 2011- 2 people work from 10 am to 6pm totals 8 hours
\$25 spent on gas for vehicle.

September 29 2011- 2 people work from 10 am to 6 pm totals 8 hours
\$25 spent on gas for vehicle.

October 26 2011 - 2 people work from 11 am to 6 pm totals 7 hours
\$20 spent on gas for vehicle.

October 28 2011- 2 people work from 11am to 2:30 pm totals 3.5 hours
\$10 spent on gas for vehicle.

November 02 2011- 3 people work from 10 am to 1 pm totals 3 hours
\$10 spent on gas for vehicle.

Rates for Work

Foreman worked for 29.5 hours @ \$50.00 per hour equals \$1475.00

Labourer worked for 29.5 hours @ \$40.00 per hour equals \$1180.00

Assistant Labourer worked for 3 hours @ \$15 per hour equals \$45.00

Total for work performed.....\$2700.00

Gas for Vehicle total.....\$90.00

Total expenses.....\$2790.00

Total value of Work for Event # 5121688.....\$1000.00

Total value of Work for Event # 5121694.....\$1790.00

I certify that this is true and correct _____

Dean M. Arbic

Jan. 30 2012

Conclusion and Interpretations

The Raymond Creek area has a wide variety of potential locations for precious metal discoveries. The samples from this work will be studied and assayed and more sampling may be necessary. There may be enough base metals present to make it worthwhile for mining iron and copper as the prices of both ore are ever increasing. It can be concluded that a large iron formation is present, but whether or not the values of copper, silver or gold will make it profitable may be determined when these samples are assayed.

Hardware Software and Qualifications and Sources

GPS Unit..... Magellan Explorist 100

Digital CameraCanon PowerShot A540

This report was prepared using;

OpenOffice.org 3.2 for all Text documents

Paint.NET v3.5.10 for all sketches and for labelling photographs

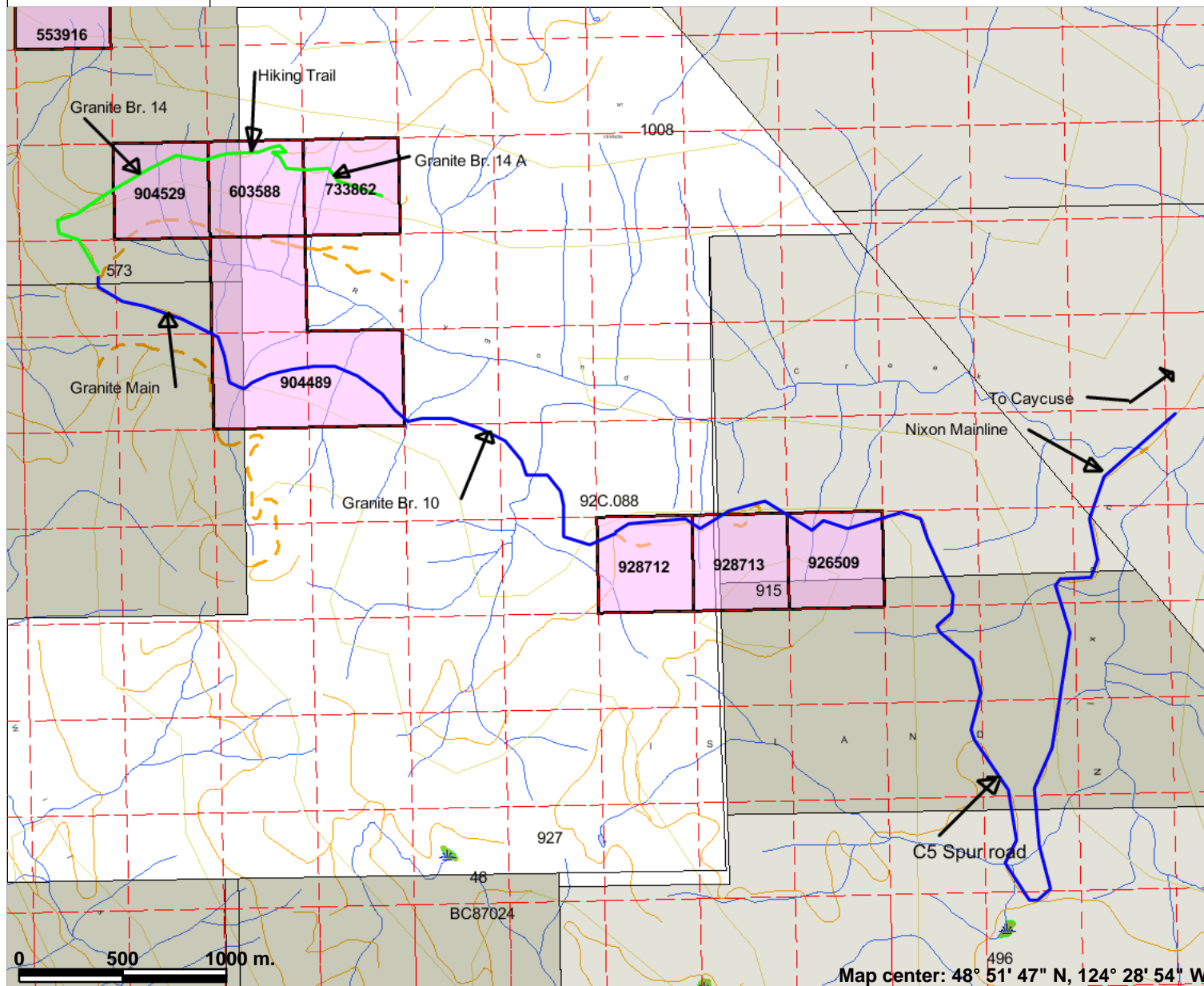
Maps were prepared using the MTO map viewer and recorded with Adobe software

IBM Desktop computer with a Microsoft Windows XP Professional Version 2002 Service Pack 3

This report was written by Dean M Arbic who has a grade 12 education from Erindale Secondary School in Ontario.

When previous work is mentioned it is referring to Aris Report 17164, "Geological and Drilling Report on the Archers I & 11 and Tatters II Mineral Claims" Nuspar Resources, Author Peter Fischl, B. Sc. February 1988.

Road and Trail Access Map



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
 - Mineral Claim
 - Mineral Lease
- Mineral Reserves (current)
 - Placer Claim Designation
 - Placer Lease Designation
 - No Staking Reserve
 - Conditional Reserve
 - Release Required Reserve
 - Surface Restriction
 - Recreation Area
 - Others
- First Nations Treaty Related Lands
 - First Nations Treaty Lands
 - Integrated Cadastral Fabric
 - Survey Parcels
 - BCGS Grid
- Contours (1:250K)
 - Contour - Index
 - Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
- Transportation - Points (TRIM)

0 500 1000 m.

Map center: 48° 51' 47" N, 124° 28' 54" W

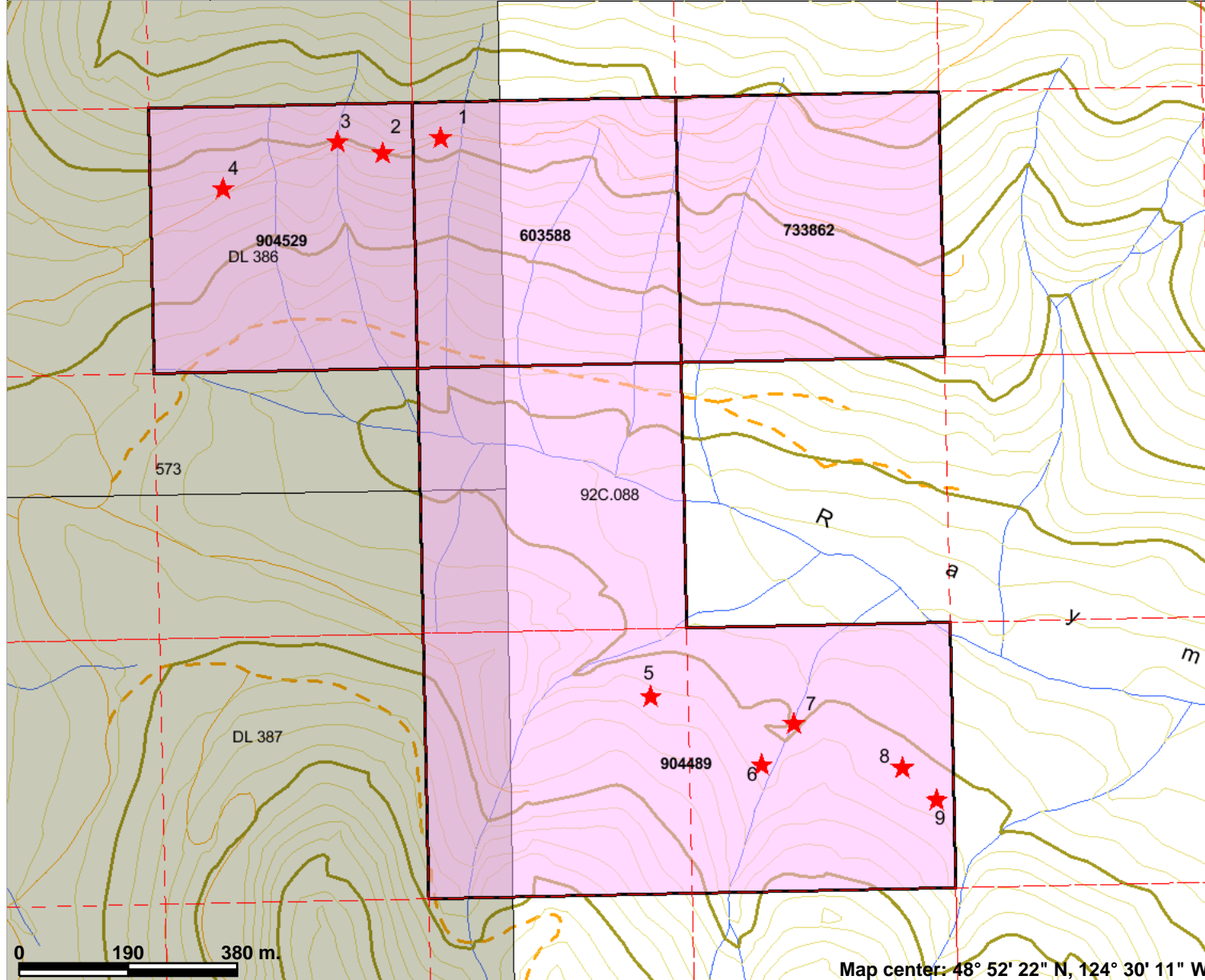


Scale: 1:29,166




This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Solid Blue line is Logging roads still able to drive.
Green solid line is Old roads and trails travelled on foot

Sample Location Map



Legend

-  Indian Reserves
-  National Parks
-  Conservancy Areas
-  Parks
-  Federal Transfer Lands
-  MTO Grid (MTO)
-  Mineral Tenure (current)
-  Mineral Claim
-  Mineral Lease
- Mineral Reserves (current)**
-  Placer Claim Designation
-  Placer Lease Designation
-  No Staking Reserve
-  Conditional Reserve
-  Release Required Reserve
-  Surface Restriction
-  Recreation Area
-  Others
-  First Nations Treaty Related Lands
- First Nations Treaty Lands**
-  Integrated Cadastral Fabric
-  Survey Parcels
-  BCGS Grid
- Contours (TRIM)**
-  Contour - Index
-  Contour - Index.Indefinite
-  Contour - Index.Depression
-  Contour - Index.Depression Indefinite
-  Contour - Intermediate
-  Contour - Intermediate.Indefinite
-  Contour - Intermediate.Depression


Scale: 1:10,544

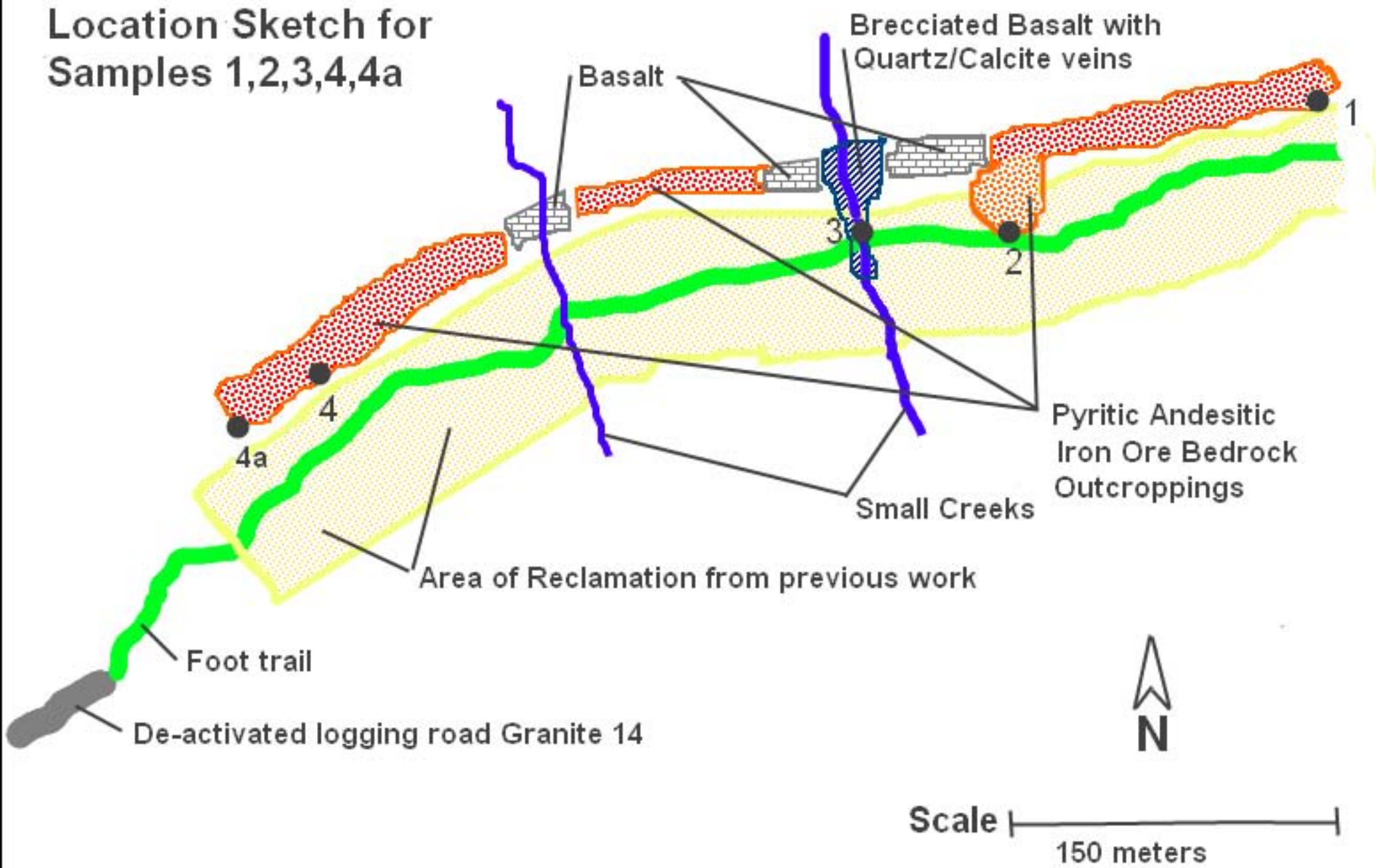


Map center: 48° 52' 22" N, 124° 30' 11" W

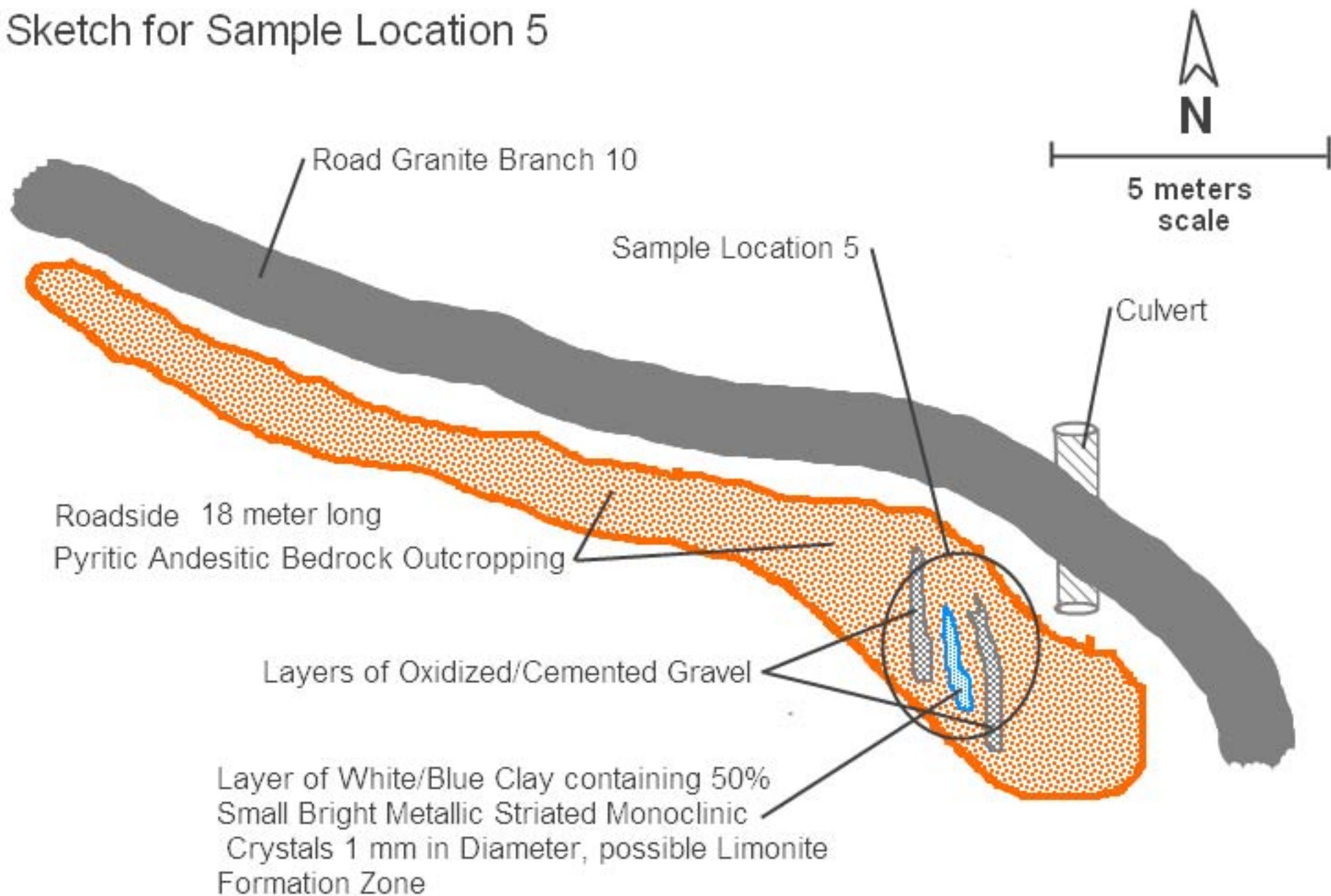
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Red Stars indicate locations where samples were collected

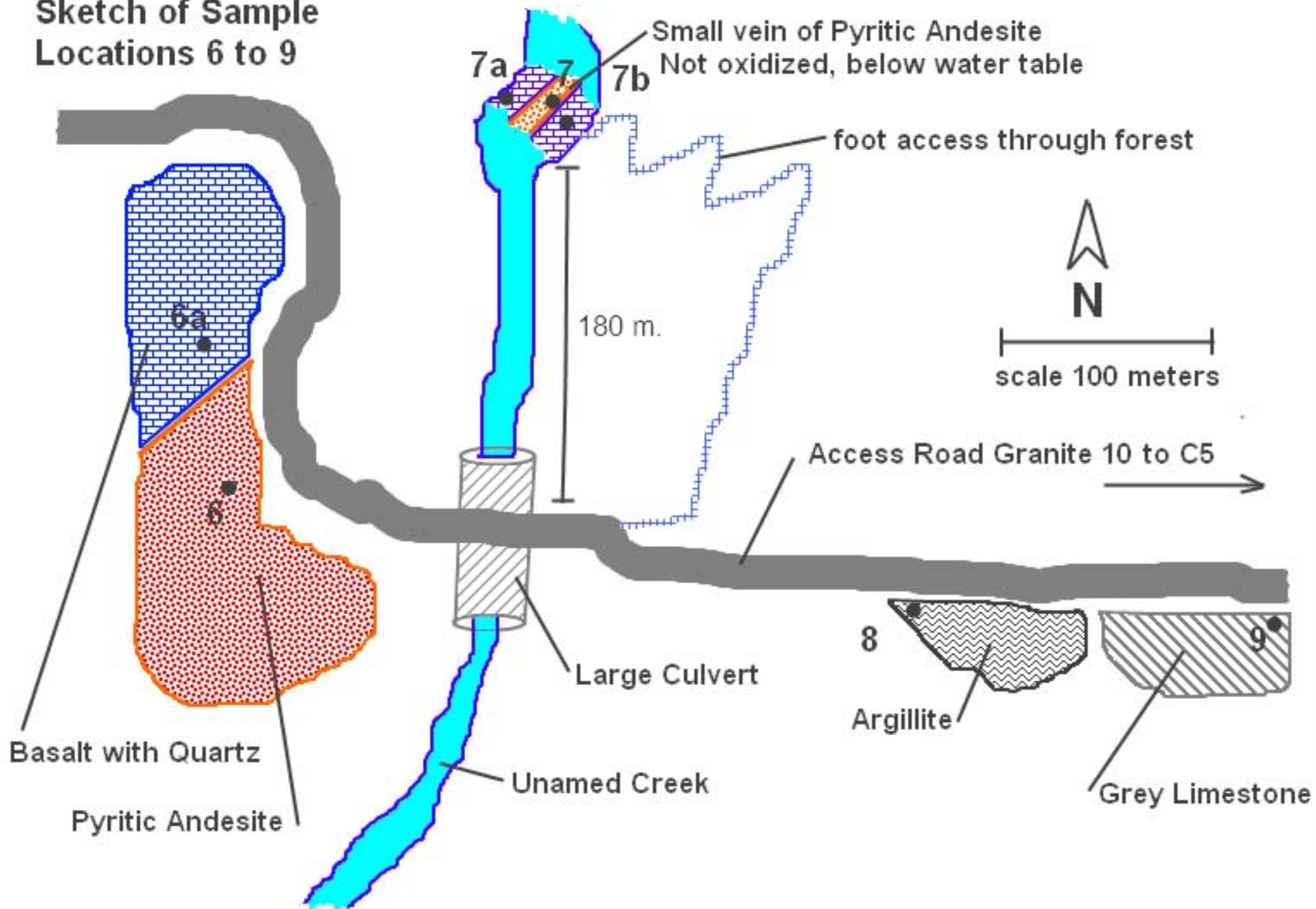
Location Sketch for Samples 1,2,3,4,4a



Sketch for Sample Location 5



Sketch of Sample Locations 6 to 9





Sample Location 1
UTM 5415040N 389508E



Sample Location 2
UTM 5415011N 389409E



Sample location 3
UTM 5415030N 389331E



Sample location 4
UTM 5414960N 389129E



Sample Location 4a
UTM 5414960N 389129E



Sample Location 5
Layer of Blue Clay
between Cemented
Iron Gravel



Sample Location 5
UTM 5414044N 389836E



**Sample location 6 and 6a
UTM 5413917N 390024E**



Sample location 7
UTM 5413900N 390079E



Sample Location 7b
UTM 5413990N 390079E