

**ASSESSMENT REPORT ON THE  
2003 DIAMOND DRILLING PROGRAM  
BX CLAIMS  
RED MOUNTAIN AREA, YUKON**

094448

Dawson Mining District, Yukon

(Work completed between August 02-21, 2003)

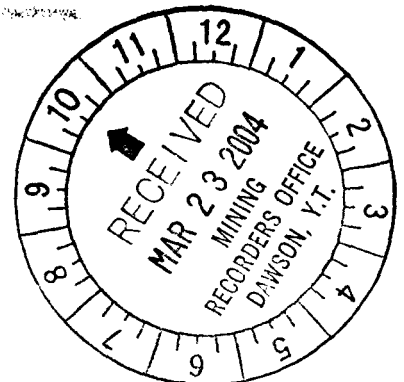
**Location:** 1. 380 km NE of Whitehorse, Yukon  
2. NTS Map Area 115 P/15  
3. Latitude: 63° 58'N  
Longitude: 136° 45'W

**Claims:** BX 59 (YB42185)  
JD 1-22 (YC21062-YC21083)

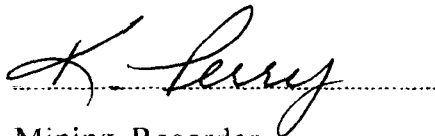
**For:** **REGENT VENTURES LTD**  
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March 19, 2003<sup>24</sup>



Costs associated with this report have been  
approved in the amount of \$ 2,200  
for assessment credit under Certificate of  
Work No. 2000480



Mining Recorder  
Dawson City Mining District

## TABLE OF CONTENTS

	Page
<b>TABLE OF CONTENTS</b> .....	<b>i</b>
<b>1. SUMMARY</b> .....	<b>1</b>
<b>2. INTRODUCTION AND TERMS OF REFERENCE</b> .....	<b>1</b>
<b>3. PROPERTY DESCRIPTION AND LOCATION</b> .....	<b>2</b>
<b>4. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY</b> .....	<b>6</b>
<b>5. HISTORY</b> .....	<b>7</b>
<b>6. GEOLOGICAL SETTING</b> .....	<b>7</b>
<b>6.1 Regional Geology</b> .....	<b>7</b>
<b>6.2 Property Geology</b> .....	<b>9</b>
<b>7. DEPOSIT TYPES</b> .....	<b>10</b>
<b>8. MINERALIZATION</b> .....	<b>11</b>
<b>9. DRILLING</b> .....	<b>12</b>
<b>10. SAMPLING METHOD and APPROACH</b> .....	<b>12</b>
<b>11. SAMPLE PREPARATION, ANALYSES AND SECURITY</b> .....	<b>14</b>
<b>11.1 Preparation and Analytical Techniques</b> .....	<b>14</b>
<b>12. INTERPRETATION AND CONCLUSIONS</b> .....	<b>14</b>
<b>13. REFERENCES</b> .....	<b>15</b>
<b>14. CERTIFICATE OF QUALIFICATIONS</b> .....	<b>17</b>
<b>15. STATEMENT OF COSTS</b> .....	<b>18</b>
<b>16. Appendix A</b> .....	<b>19</b>

### LIST of FIGURES

<b>Figure 1: Location map</b> .....	<b>2</b>
<b>Figure 2: Physiographic regions of Yukon</b> .....	<b>3</b>
<b>Figure 3: Quartz claims location map</b> .....	<b>5</b>
<b>Figure 4: Selwyn Basin Geology</b> .....	<b>8</b>
<b>Figure 5: Simplified Property Geology (South BX Claims)</b> .....	<b>10</b>
<b>Figure 6: DD03-39 on east side of Treadwell Structure showing local geology and gold in soil geochemistry.</b> .....	<b>13</b>

### LIST of TABLES

<b>Table 1. Red Mountain Claim Data</b> .....	<b>3</b>
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## 1. SUMMARY

Regent Ventures Ltd., Red Mountain property consists of 205 contiguous mineral claims centred on a quartz monzonite stock, within the McQuesten map area, Yukon. The claims are accessible by helicopter, from Mayo (55 km SE) or Dawson City (135 Km W). A rough four-wheel drive road leads from the Clear creek road to placer gold workings on Hobo Creek, which flows northwest from the property to the South Klondike River. The property is a target for Tintina Gold Belt – Tombstone Suite ( $91 \pm 1$  Ma) intrusion related gold deposits. These can range between low-grade disseminated gold, to high-grade vein and vein breccia gold mineralization.

The claims cover three and possibly more exposures of Tombstone Suite plugs or dykes of biotite granite to quartz monzonite composition. The intrusions cut mid-Proterozoic Hyland Group quartzite, phyllites and shales with minor limestone.

The 2003 exploration program comprised one core drill hole on the BX 59 claim at the headwaters of Hobo Creek, approximately 300 m north of the Regent Ventures Ltd and ASC Industries Ltd common claim boundary. The drill hole targeted the Treadwell Structure, a northwest trending fault structure that hosts the Treadwell Vein on the ASC ground and which was projected to extend across the claim boundary onto Regent Ventures Ltd's BX claims. The Treadwell Vein is exposed above a caved adit and has returned repeated samples carrying up to 15 gm/t Au.

## 2. INTRODUCTION AND TERMS OF REFERENCE

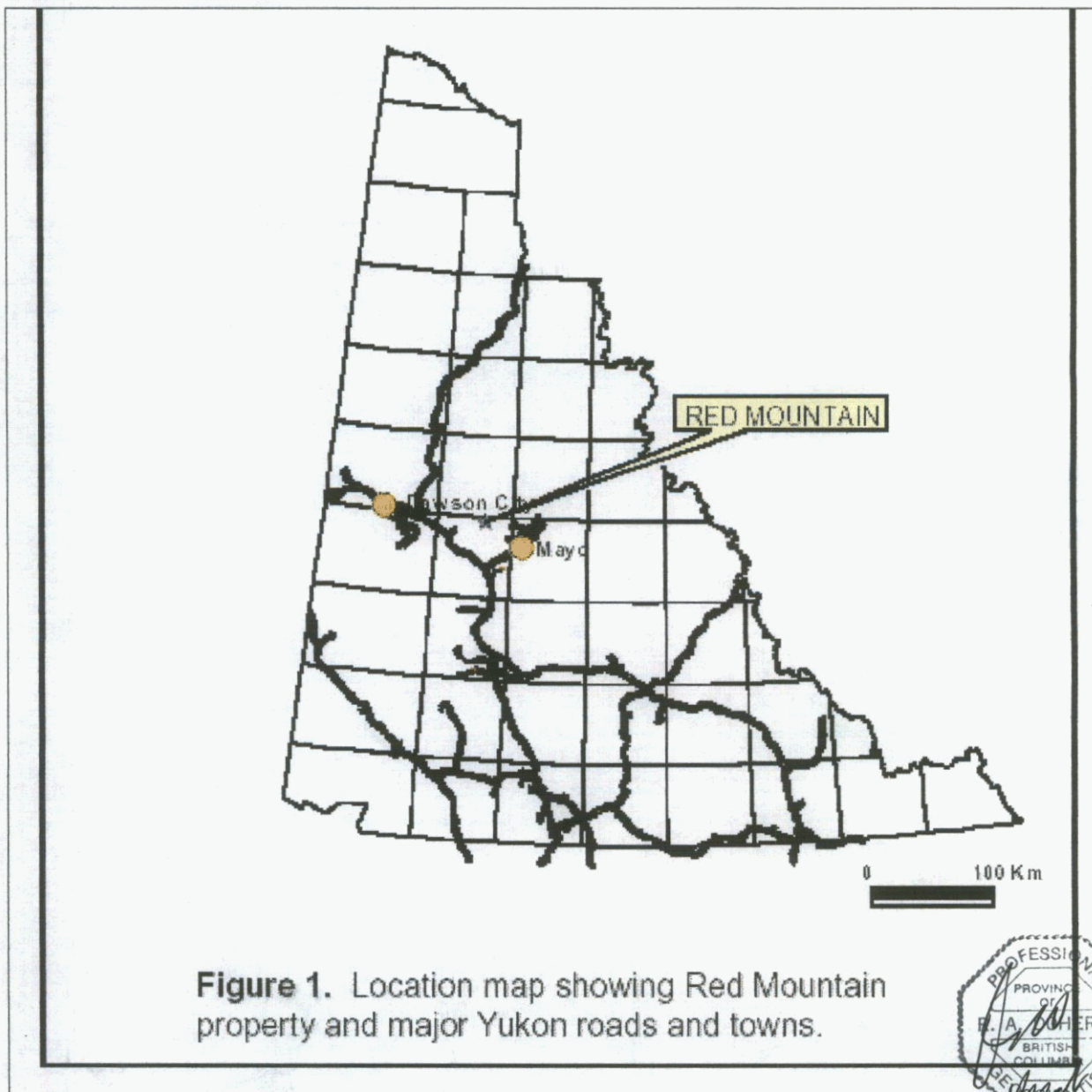
This report was prepared at the request of Ed Mueller of Regent Ventures Ltd. Its purpose is to satisfy the reporting requirements under the Yukon Quartz Mining Act and the (Schedule of Representation Work). A Certificate of Work was filed by Sue Craig of Tintina Consultants in November of 2003. Work credits of \$70,000 from DDH-03-39 on the BX 59 claim were applied through groupings to the JD 1-22 (YC21062-YC21083).

Exploration work carried out in 2003 on the BX 59 claim consisted of one core drill hole to a total depth of 442.57 m (1452 feet). The drilling was completed using a Fly Val D'Or rig contracted through Caron Diamond Drilling Ltd:

The work, was carried out between August 02-21, 2003. Personnel involved in the exploration work included Corwin Coe (project Manager), geological crew of Al Doherty, Rick Zuran, and Olwyn Bruce; and assistants Ryan Coe, Jeffery Bridge, Roy Mueller, and Scott McLeod. Camp cook and first aid functions were supplied by Louise Levesque and Eileen O'Hara. Drill crew consisted of Al Doherty of Aurum Geological Consultants Inc. supervised the exploration work carried out during the 2003.

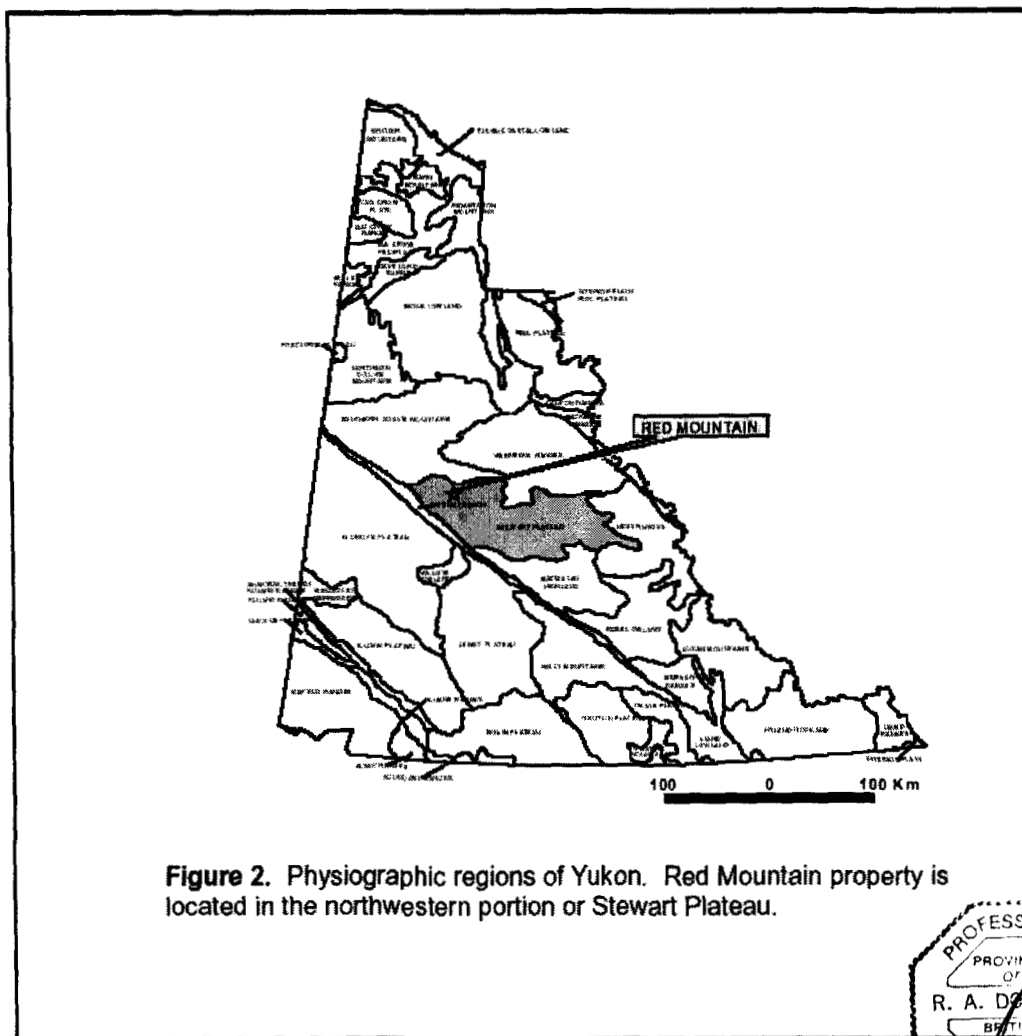
### 3. PROPERTY DESCRIPTION AND LOCATION

The claims are located 135 km east of Dawson City, Yukon (Figure 1 & 2). The claims, covering an area of approximately 4100 hectares, are centred at approximately 63° 58' N latitude and 136° 45' W longitude within NTS map area 115 P/15.



**Figure 1.** Location map showing Red Mountain property and major Yukon roads and towns.

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**Figure 2.** Physiographic regions of Yukon. Red Mountain property is located in the northwestern portion or Stewart Plateau.

The property consists of 196 contiguous unsurveyed two-post quartz claims (Figure 3), staked in accordance with the Yukon Quartz Mining Act. All the claims are in either the Mayo or Dawson Mining District as indicated on Table 1. Current claim status is shown on Yukon Quartz Sheet 115 P-15. At the date of this report, Mining records show all claims registered to Regent Ventures Ltd.

The Claim data applicable to this report are as follows:

**TABLE 1**

**Red Mountain Claim Data**

CLAIM NAME	GRANT NUMBERS	Number of Claims	MINING DISTRICT	EXPIRY DATE*
BX 59	YB42185	1	DAWSON	Claim Worked
JD 1-22	YC21062-YC21083	22	DAWSON	2005/09/21

\* Subject to approval of this assessment report.

A Yukon Land Use Permit (#YA2F895) was submitted by Tintina Consultants of Whitehorse in February 2002 and approved on April 24, 2002 to re-route part of the tote trail away from Hobo Creek. This trail upgrade will considerably shorten the distance and time required to reach the property from the Clear Creek road which runs east off the Klondike highway at kilometer post 612. In previous years travel time from the Klondike highway to the property could take up to four hours or more. A Mining Land Use Permit (LQ0006) is valid until 2009.

The claims are located within the Traditional Territory of the Na'Cho N'Y' Ak Dun First Nation, which has its land claim settled.

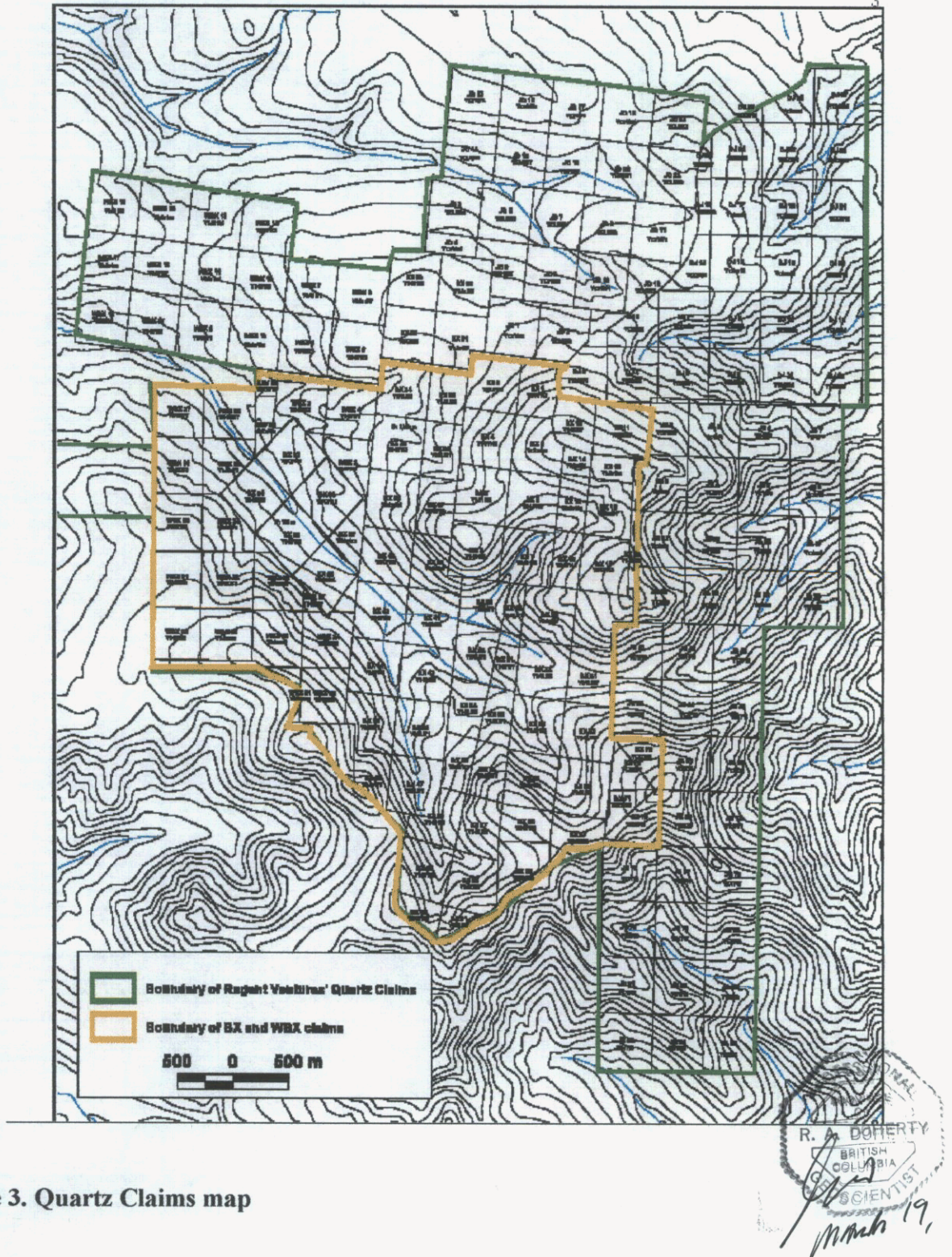


Figure 3. Quartz Claims map

#### **4. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY**

Access to the property is by helicopter, based in Mayo 55 km to the southeast. Alternatively, helicopters are available in Dawson City. The Clear Creek Road, coming in from the Klondike highway (#2), provides four-wheel drive road access to the area through the adjoining Regent Ventures Ltd claims over Hobo Creek. The Clear Creek Road is not maintained and is usable only during the summer months. During the 2002 field season a new section of roads was constructed to shorten the route and reduce stream crossings.

The BX, WBX and JB Claims are situated in the partly unglaciated Stewart Plateau. Although Pleistocene glaciation scoured the major drainages in the area such as Sprague Creek, most of the property, higher elevations in particular, escaped the effects of glaciation. Topography is moderate to rugged and is characterized by rounded hills, ridges and a dendritic drainage system. The claims cover the upper end of the Hobo Creek drainage ridge northwest of Red Mountain. Elevations on the property range from 1100 m (3600') at base camp to approximately 1680 m (5500') at the southern boundary of the claims. Outcrop exposure is poor to fair (approximately 10%) with almost no exposures on lower ridge slopes and forested areas. Most of the property is covered by felsenmeer and talus fines.

An interior continental climate with precipitation of about 31 cm annually, warm summers and cold winters typifies the area. Permafrost is common, especially on the steeper north and east facing slopes and lower forested areas. Most of the property is above treeline. Below 1200 m (4000') elevation ground cover consists of alpine fur, sparse spruce forest, alder, dwarf willow and birch. The area above treeline is mostly lichen-covered rock with sparse moss and alpine plant cover.

The Town of Mayo (Population 418) is the closest centre for obtaining groceries, fuel, accommodation and some limited rental and contracted exploration services. Trans North Helicopters maintains a summer helicopter base at Mayo airport and there is normally a single engine Otter on floats working out of Mayo. Mayo is also the location of the Mayo District Mining Records office, and Mining Land Use Inspections and Land Use and Resource Management Officer. The property is within the Nacho Nyak Dun First Nation traditional territory. There is a 4 Kilowatt Power station just north of Mayo and a transmission line is under construction between Mayo and Dawson.

The exploration season in this part of the Yukon normally extends from late May to late September but cool rainy conditions and snow-storms are not uncommon in late August and September. The months of June through September are normally free of snow cover.

There is ample water and numerous nearby areas that could provide processing plant and tailings sites.

## 5. HISTORY

The BX claims 1-68 (YB41142), were staked in June 1993 by Brian Lueck and Robert Wondga, based on a gold regional stream silt anomaly in Hobo Creek and because of proximity to known mineralization on adjoining claims to the south. They subsequently optioned the claims to Regent Ventures Ltd. Regent Ventures carried out a soil sampling program in 1993. In 1994 the company staked BB claims 1-102 (YB42376), WBX claims 1-38 (YB48171), Rev claims 1-86 (YB43179), and JJ claims 1-60, and carried out trenching, geological mapping, and diamond drilling (6 diamond drill holes, or 534 m).

In 1995 Regent Ventures built a winter access road along Ballard Creek, and drilled 9 reverse circulation holes (1233 m) during the spring. In the summer of 1995, the company carried out soil geochemical survey, magnetometer and VLF-EM surveys, silt sampling in the Rev and DLO claims, and drilled 12 diamond drill holes (1,625 m). In 2001, Regent Ventures drilled 5 diamond drill holes (1,281m) in the Saddle Zone (BX claims).

## 6. GEOLOGICAL SETTING

### 6.1 Regional Geology

The Regent Ventures Red Mountain Property is situated within the Selwyn Basin, part of the Ominica Belt (Wheeler, et al., 1991), Figure 4. The geology of the McQuesten map area has been mapped by H.S. Bostock (1964), at a scale of 1:253,440. More recently the area has been mapped at 1:50,000 scale by the Yukon Geological Survey formerly the Yukon/Canada Geoscience Office (Murphy et al. 1993; Murphy and Heon, 1994).

The Selwyn Basin as described by Abbott, 1986 is used here to define the part of the cordilleran miogeocline comprised of Precambrian to Jurassic sedimentary rocks, deposited along the western margin of ancient North America. The eastern margin of the basin is marked by the Paleozoic shale - carbonate contact while the western margin is defined by the Teslin fault or suture. The sedimentary basin was active from the late Proterozoic to Middle Jurassic time (Abbott, 1986). All of the large stratabound, sediment hosted lead - zinc deposits in the northern Canadian Cordillera are found within the Selwyn Basin.

Two suites of granitoid intrusives, ranging from Paleozoic to Cenozoic age, related to underplating and or subduction, are found on both sides of the Tintina fault (Figure 5). Granitoid emplacement peaked during the Early - Middle Cretaceous (Tempelman-Kluit, 1981). The Western Suite granitoid intrusives found west and southwest of the Selwyn Basin are predominantly granodiorite in composition and are associated with porphyry copper - molybdenum and copper skarn deposits (Figure 5).

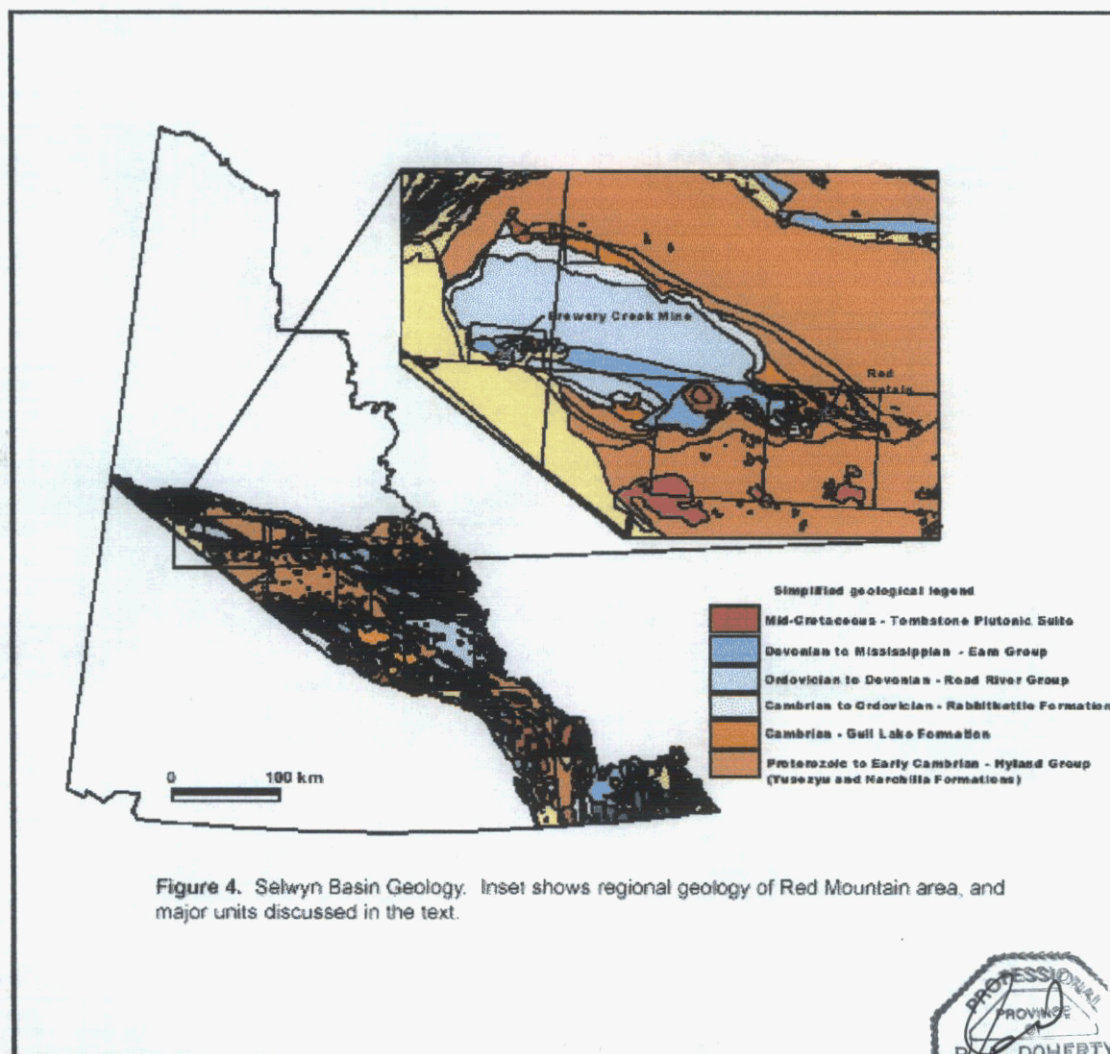
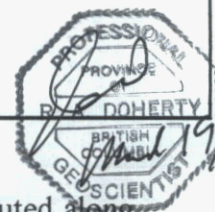


Figure 4. Selwyn Basin Geology. Inset shows regional geology of Red Mountain area, and major units discussed in the text.



The Eastern or Selwyn Plutonic Suite of granitoid intrusives are distributed along a northwest trending arcuate belt within the Selwyn Basin. The granitoids are mainly granitic in composition and are associated with tin, tungsten, and molybdenum mineralization. The Dublin Gulch gold deposit is hosted by a quartz monzonite pluton of the Selwyn Plutonic Suite (Tempelman-Kluit, 1981).

Recent age dating by J. Mortensen at the University of British Columbia, places two nearby Cretaceous granitoid stocks similar in composition to the one underlying the BX, WBX and JB Claims, at 91 and 93 Ma which is within the age range of the Tombstone Plutonic Suite (Murphy and Heon, 1994).

The Tintina fault generally follows the Mesozoic suture, which separates ancestral North America from the composite accreted terrane, the Yukon - Tanana Terrane. At least 450 km of dextral strike slip movement has taken place along the Tintina fault since latest Cretaceous or Early Tertiary time (Tempelman-Kluit, 1979). This has caused western parts of the Selwyn Basin to be offset and juxtaposed against itself along the Tintina fault.

Unfoliated, variably magnetic quartz-bearing dikes intruding the sedimentary sequence in the core of BX claims, and a body immediately south of BX claims were mapped and dated by Murphy and Heon (1996). Ages and mineralogy are correlative with other Tombstone Suite plutons in the area. The dikes yielded a  $91.6 \pm 0.6$  Ma age, whereas the intrusive body to the south of BX claims was interpreted as a  $92.3 \pm 0.8$  Ma stock. Detailed mapping by Doherty and VanRanden (1994) demonstrated that the intrusive is sill-shaped. Regional airborne magnetics obtained from the Geological Service of Canada from 800 m spaced flight lines show an unusually large magnetic response underlying the Red Mountain "Stock" and dikes implying that the outcropping sill and dikes may be spatially associated with a larger, buried pluton.

## 6.2 Property Geology

The geology of part of the BX, WBX and JB Claims has been mapped at a scale of 1:10,000 scale by Amax of Canada Ltd. (Kidlark, 1980) and more recently as part of 1:50,000 scale regional mapping (Murphy and Heon, 1994). Lueck (1994) mapped the Saddle Zone at 1:5,000 scale.

The area was re-mapped in 2002 at 1:2000 scale. The geology of the zone (Figure 7 & 8) consists of strongly foliated, polydeformed clastic and volcanoclastic rocks of interpreted Cambrian age. Clastic rocks are maroon and green shale and black pyritic shale of Narchilla Formation exposed on creek beds and valley bottoms; white to tan, fine- to coarse grained quartz-wacke (white grit unit) exposed on road cuts at intermediate elevations; grey to tan, noncalcareous shale forming recessive rubble on hill tops and saddles, and in road cuts at upper elevations.

Dark green, fine-grained, weakly foliated, disseminated sulphide-bearing, volcanoclastic rocks of Gull Lake Formation overlay black pyritic shales of Narchilla Formation, and are capped by a sequence of shale to white grit.

The sedimentary sequence is intruded by a swarm of undeformed, northwest approximately  $330^\circ$  trending biotite-quartz-monzonite dikes of variable width (<1 m to >20 m). In the northern end of the property, sedimentary rocks are overlain by undeformed, coarse-grained volcanic rocks and a surrounding tourmaline-breccia zone. The dike swarm forms the centre of mineralization in the Saddle Zone. The volcanic unit has similar mineralogy to that of the dike swarm, and is tentatively interpreted as its extrusive counterpart. It must be noted that no other extrusive rocks related to Tombstone Suite are reported elsewhere in Tintina Gold Province.

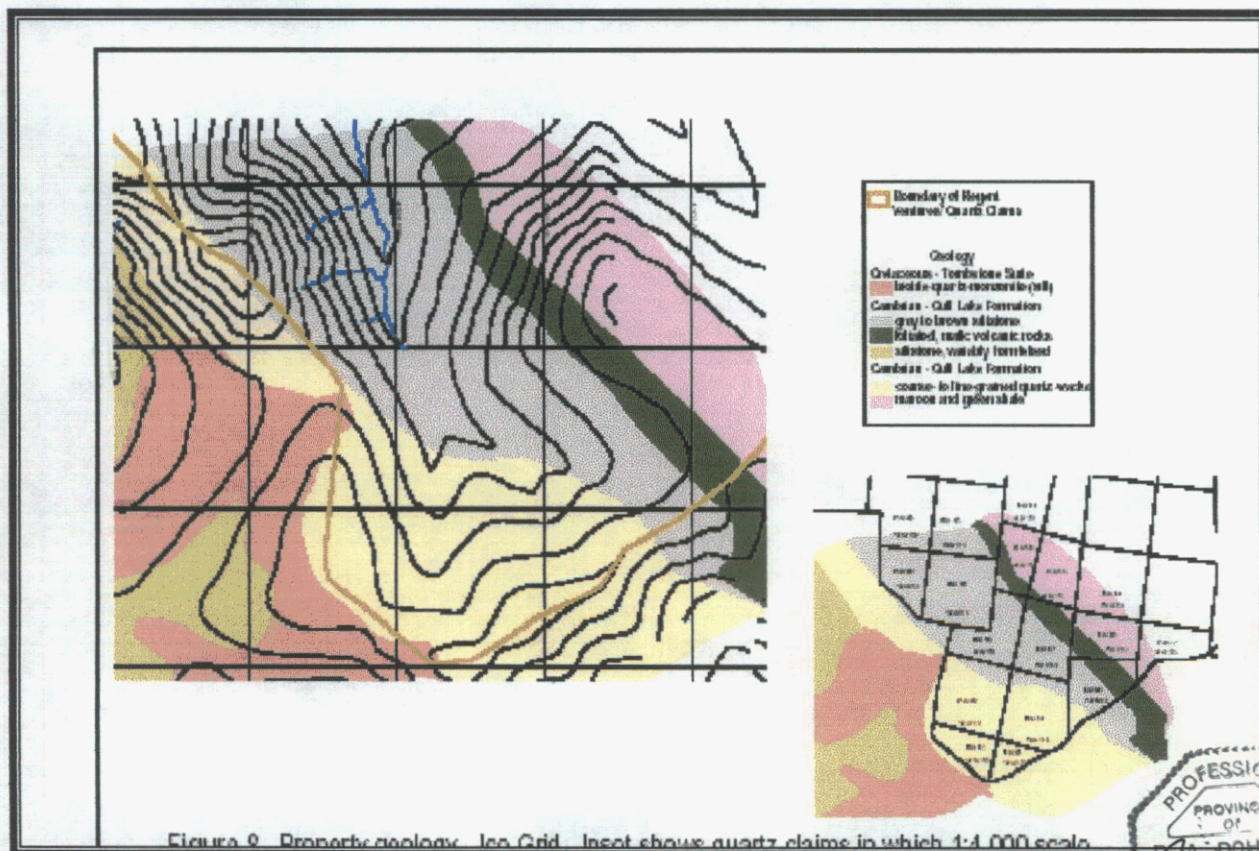


Figure 5. Simplified Property Geology (South end of property, BX Claims)

## 7. DEPOSIT TYPES

The Red Mountain property is situated within the McQuesten mineral belt (Aho, 1963) and is located on the northern limb of the east trending McQuesten anticline.

The McQuesten mineral belt is 30 to 50 kilometres wide and extends from Clear Creek, in the west, to the Mayo area, in the East (Emond, 1986). It forms a small part of the larger (2000 km) Tintina Gold Belt. It consists of a major transverse zone of ENE trending folds, Cretaceous felsic intrusions, and related mineralization. The continuity of the McQuesten anticline throughout most of the McQuesten mineral belt, similarities in rock type, structure, and mineralization have led to the conclusion that the area is one metallogenic district. Intrusion of felsic stocks parallel to the regional fold axes indicates spatially and probably temporally related fault controlled mineralization (Emond, 1986). Mineralization consists of; tin-tungsten and gold skarns, silver-lead-zinc veins,

silver-lead-antimony veins, and intrusive hosted gold. The McQuesten mineral belt has historically and currently active placer camps. Gold mineralization associated with felsic stocks has been found nearby at Clear Creek, Dublin Gulch, Scheelite Dome, and at the McQuesten and Aurex properties just west of United keno Hill Mines. The area has seen considerable exploration activity for intrusive related hosted gold mineralization since 1990.

In the late 1990's the terms Tombstone Suite and Tintina Gold Belt became commonly used to describe that area extending for over 2000 km across central Alaska and the Yukon and containing 91 +/- 1 MA felsic intrusions that often host low grade bulk tonnage and high grade gold deposits both within the intrusions and surrounding country rock (See Goldfarb et. al., 2000). Gold deposits of the province have certain similar characteristics, such as spatial and temporal association with mid-Cretaceous magmatism, Bi-W-Te signature in granitoid stock-hosted mineralization, As-Sb signature in sedimentary-rock-hosted and dike-hosted mineralization (Goldfarb and others, 2000).

Tintina Gold Province contains over half of the current gold resources of Alaska and Yukon. Significant gold resources were outlined at Fort Knox (5.4 Moz), Donlin Creek (23 Moz), Pogo (5.8 Moz), True North (0.79 Moz), Brewery Creek (0.85 Moz), Dublin Gulch (4.1 Moz) (Hart and others, 2002).

## 8. MINERALIZATION

Known mineralization is spatially and temporally related to the granitic stock. Arsenopyrite-pyrite-pyrrhotite-quartz veins and fractures are found within the quartz monzonite stock and adjacent to it in locally developed hornfelsed zones. Brecciated and tourmalinized zones are found in the quartz monzonite. Pyrite is disseminated locally within the stock and is ubiquitous in the surrounding hornfels.

Structurally controlled mineralized vein and alteration zones, ranging from 0.2 to 50 m wide, are found along NW trending 330° and east-west 090° trending faults. The presence of these faults is indicated by mapping and the fact that anomalous gold geochemistry reflects a strong N-W trend, extending more than one kilometre parallel to both mapped structures, indicating that they may control the location of vein and stockwork mineralization. These veins commonly contain arsenopyrite, pyrite, stibnite, galena and chalcopyrite. Disseminated and vein controlled gold mineralization is found in hornfelsed sedimentary rocks adjacent to the quartz monzonite sills, extending as much as 10-20 m from intrusive contacts. The 2003 drill program confirmed the presence of the strong NW structures with associated shear zone hosted gold mineralization.

## 9. DRILLING

One core drill hole was completed on the BX 59 claim in August. The hole was drilled to a total depth of 442.57 m ( 1452 feet) starting with HQ core and reducing to BT core ( B thin wall) at 250 m depth. Drilling was completed between August 02-21, 2003. A downhole survey was completed at the end of the Hole using the Icefield Instruments Ltd down-hole survey tool. The location of DD03-39 is shown on Figure 6 with respect to geology and gold soil geochemistry. The drill holes completed on the adjacent ground held by ASC Industries are also shown.

### Hole DD03-39 (415287mE 7093951mN Azm 215o Dip -60 Depth 442.57 m)

Drill Hole DD03-39 was a deep drill hole on the BX claims on ground adjacent to ASC's Ice claims owned by Regent Ventures Ltd. The two companies jointly funded the hole. The hole targeted the Treadwell adit structure but due to difficult terrain was drilled on the Regent ground near the claim Boundary with ASC's Ice claims. The hole intersected hornfelsed siltstones with inter-layered quartzites to 428.10 m and then cut biotite quartz monzonite to the end of the hole. A number of mineralized quartz calcite veins and stockworks are present in the drill hole. Significant results are listed below:

From (m)	To (m)	Interval (m)	Au (g/t)	Lithology
109.65	110.45	0.80	2.74	Quartz vein with sulfides
235.00	247.00	12.00	1.01	Quartz stockwork and a fault quartzite with quartz veins
(Includes: 238.0 241.0 3.00 m of 3.04 gm/t Au)				
265.00	267.00	2.00	1.20	Hornfelsed siltstone
288.00	289.00	1.00	1.10	Quartzite, hornfelsed siltstone
300.45	307.00	6.55	2.12	Silica flooded quartz vein
348.00	349.00	1.00	1.20	Quartz Stockwork
384.00	385.10	1.10	2.04	Quartzite hornfelsed siltstone
(Sample also assayed 16.97 oz/ton Silver)				
415.00	416.00	1.00	1.65	Hornfelsed siltstone
440.00	441.00	1.00	11.3	Biotite quartz monzonite

## 10. SAMPLING METHOD and APPROACH

The core was logged, recovery and RQD was recorded and the core was split, secured and shipped via Greyhound Canada to Eco Tech Laboratories Ltd.

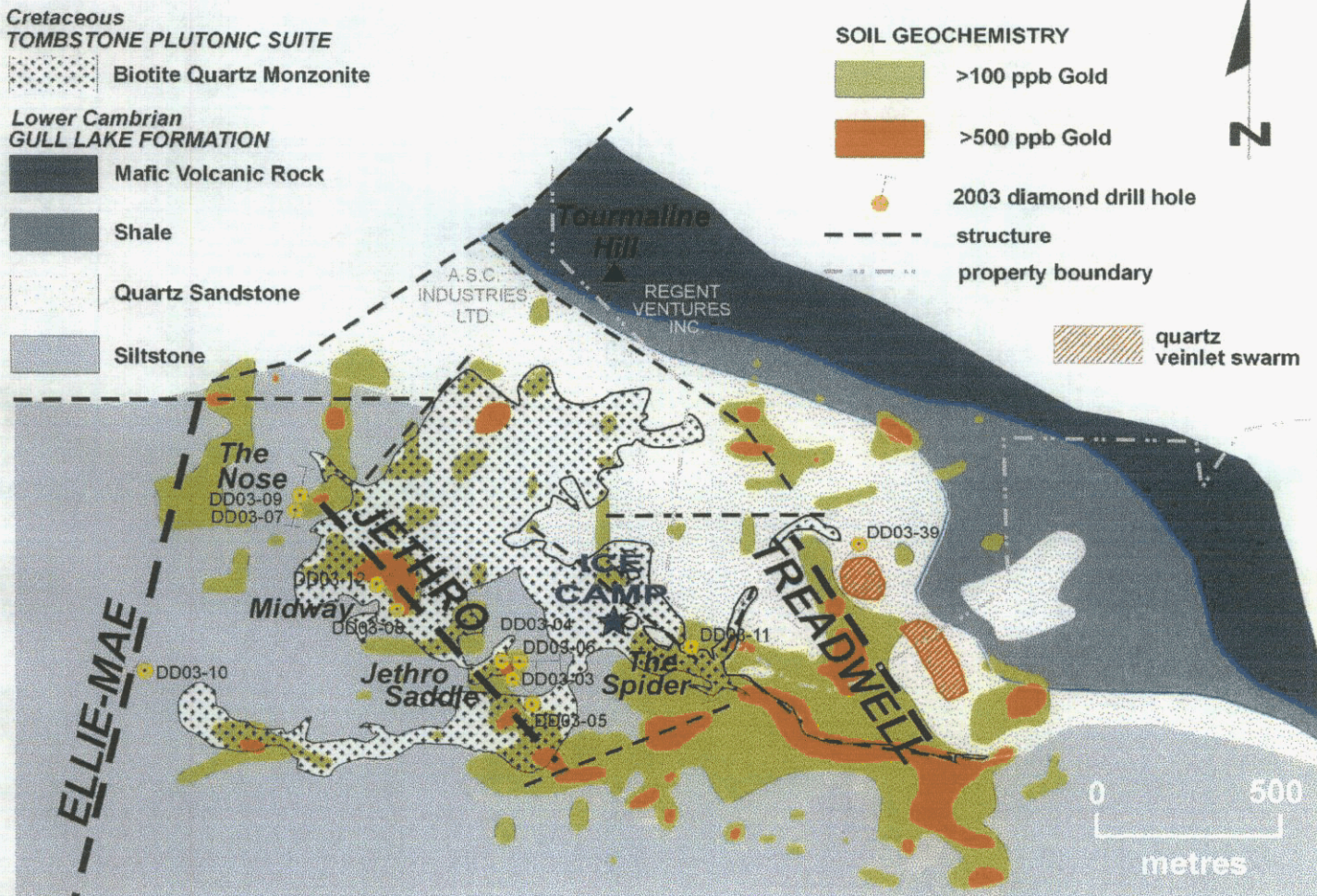


Figure 6: DD03-39 on east side of Treadwell Structure showing local geology and gold in soil geochemistry.



## 11. SAMPLE PREPARATION, ANALYSES AND SECURITY

All core samples from DD03-39 were split at the Regent Ventures Camp, secured and shipped to Eco Tech Laboratory Ltd. Of Kamloops BC where a 30 gm gold Fire assay was completed and a 27 element ICP analyses. Prior to dispatch from the property, all samples were placed in rice bags by personnel and secured with tamper resistant ties. The samples were then transported to Whitehorse, under the supervision of Regent Ventures personnel, where they were shipped via Greyhound Canada Ltd to Eco-Tech Laboratory Ltd in Kamloops.

### 11.1 Preparation and Analytical Techniques

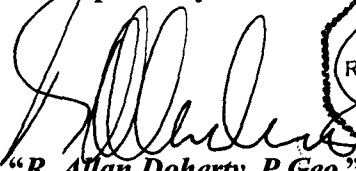
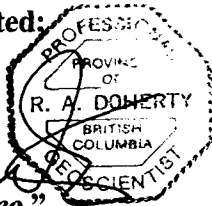
All rock samples were crushed to  $-1/4''$  using a jaw crusher and then riffle split to obtain a 250 gram sub sample. The sub sample was then pulverized to  $-150$  mesh using a ring and puck pulverizer. 0.5 grams of the original pulp underwent aqua regia digestion for one hour at  $95^{\circ}\text{C}$  and then underwent a 32 element ICP-MS analysis.

Preparation of soil samples involved air drying and sieving to  $-80$  mesh. Analytical techniques for soils were identical to the method used for rocks described above.

## 12. INTERPRETATION AND CONCLUSIONS

Hole DD03-39 intersected a number of discreet vein faults with associated alteration and gold mineralization. The best grades were obtained on fault structures and at the very end of the hole at the monzonite contact. Additional drilling should be completed on the Treadwell Structure.

Respectfully submitted:

  
 "R. Allan Doherty, P. Geo."  
 "Signature"  
 "Seal" 

March 17, 2004

### 13. REFERENCES

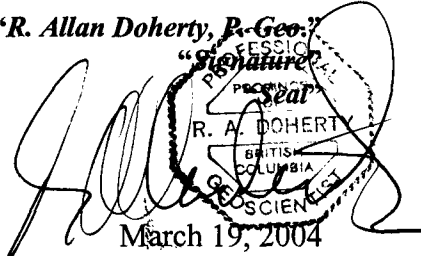
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## 14. CERTIFICATE OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a consulting mineral exploration geologist with AURUM GEOLOGICAL CONSULTANTS INC., 3151 3<sup>rd</sup> Avenue, Whitehorse, Yukon, Y1A 1G1.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977). I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration primarily in the Yukon continuously since 1980.
3. I am a "Qualified Person" as defined in Sec 1.2 of National Instrument 43-101.
4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564, and have been registered as a Professional Geologist since 1993.
5. I am author of this report on the Red Mountain Property. The report is based on work completed between August 2-21, 2003.
6. I am the author of all sections of this report.
7. I am not aware of any material fact or material change with respect to the subject matter of this technical report, which is not reflected in the technical report, the omission to disclose makes the technical report misleading.
8. I am independent of the Issuer and have no direct or indirect interest in the properties or securities of Regent Ventures Ltd., or affiliated companies, nor do I expect to receive any.
9. I have had direct involvement with the exploration programs conducted on the area discussed in this report both for prior property owners and for Regent Ventures Ltd. I am familiar with the Tombstone gold deposit model and have experience writing Qualifying Reports and conducting evaluations of mineral properties.
10. I have read National Instrument 43-101 and Form 43-101F and have prepared this technical Report on the BX, WBX and JB Claims in compliance with this Instrument and Form 43-101F1.

*"R. Allan Doherty, P-Geo."*  
*Signature*  
  
 R. A. DOHERTY  
 BRITISH COLUMBIA  
 PROFESSIONAL GEOSCIENTIST  
 March 19, 2004

## 15. STATEMENT OF COSTS

Exploration Drilling on the BX 59 Claim, \$ 70,000 expenditures, A total of 22 claim years (\$2,200 of work) applied to JD 1-22 Claims (YC21062-YC21083)

**AURUM GEOLOGICAL CONSULTANTS INC.**  
**3151- 3<sup>RD</sup> AVENUE**  
**WHITEHORSE, YUKON**  
**Y1A 1G1**

### INVOICE

No. 03-22  
 August 22, 2003  
 GST REG# R100341692

In Account With: **Regent Ventures Ltd.**  
**P.H. 8 1060 Alberni Street**  
**Vancouver, BC.**  
**V6E 4K2**

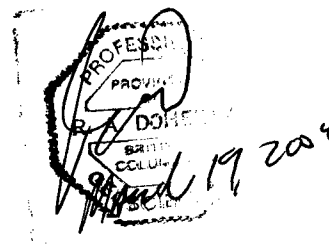
Attention: Ed Mueller

Re: Share of DD03-39 - Red Mountain Property, Yukon

To:

1452 feet drilling @ \$46.729/foot	\$67,850.00
(including GST charged at \$50/foot)	
GST (7 % of \$67,850.00)	\$ 4,750.00
<b>TOTAL INVOICE</b>	<b>\$ 72,600.00</b>

Please remit to: Aurum Geological Consultants Inc.  
 P.O. Box 4367  
 Whitehorse, Yukon  
 Y1A 3T5



**16. Appendix A**  
**Drill Log and Assay Data Sheet**

SUMMARY SHEET

DD03-39

<b>Property:</b>	BX Claims	<b>Azimuth:</b>	215	<b>Logged By:</b>	0-245.06m (0-804') R.A. Doherty;		
<b>Zone:</b>	Upper Hobo, Treadwell Fault	<b>Dip:</b>	-60		245.06-442.57m (804-1452') R. Zuran		
<b>Claim:</b>	BX 59	<b>Hole Length:</b>	442.57m (1452')	<b>Drilled By:</b>	Caron Diamond Drilling; "Val'Dor Special"		
<b>Started:</b>	15:00 hrs. Aug 2, 2003	<b>Casing:</b>	10.06m (33')	<b>Assays By:</b>	EcoTech (28 ICP; Au 30g FA)		
<b>Completed:</b>	11:00 hrs. Aug 21, 2003	<b>Core Size:</b>	HQ reduced @ 103.94m	<b>Downhole Surveys:</b>	16 downhole readings from collar		
<b>Coordinates:</b>	415 287 mE, 7 093 951 mN	** (Garmin 12 XL handheld)	(341 ft) to NQ		with Ictools M13 Borehole Su		
<b>Comments:</b>	Testing Treadwell Fault; Qtz Stwk, E. limit of Qtz Mnz body and IP anomaly. Technically successful reaching all targets; shut down after passing through Treadwell Fault in to Qtz Mnz.						
				<b>Elevation:</b>	1555.69		
<b>DDO3-39 Summary Log</b>							
<b>From (ft)</b>	<b>To (ft)</b>	<b>From (m)</b>	<b>To (m)</b>	<b>Lithology</b>	<b>Comments</b>	<b>Abbreviations</b>	
0	33	0.00	10.00	CASING		ALT	alteration
33	35	10.00	10.80	SLT	strongly oxidized	AND	andesite
35	38	10.80	11.60	QTE		ARG	argillic
38	40	11.60	12.25	HFL SLT		ARS	arsenopyrite
40	62	12.25	18.80	QTE		BIO	biotite
62	100	18.80	30.35	LAM SLT		BLE	bleached
100	100	30.35	30.50	BIO QTZ MNZ	sill	CAL	calcite
100	116	30.50	35.50	LAM SLT		CAT 1	category 1 vn(ft): mas qtz +/- MOL-PY
116	122	35.50	37.30	QTE		CAT 2	category 2 vn(ft): qtz +/- CAL-POO-C
122	138	37.30	41.95	SLT		CAT 3	category 3 vn(ft): cal +/- PY
138	153	41.95	46.70	SLT/SST		CHL	chlorite
153	229	46.70	69.80	SLT		CPY	chalcopyrite
229	232	69.80	70.85	QTZ VN	white massive, tr ARS, CPY, POO	DIS	disseminated
232	245	70.85	74.71	SLT	SF w qtz vnits	FEL	feldspar
245	249	74.71	75.85	LAM SLT		FLT	fault
249	251	75.85	76.50	SLT	SF w qtz vnits	FRA	fracture
251	259	76.50	78.80	SLT		GOU	gouge
259	267	78.80	81.30	BLE SLT	light grey to yellow green; net fra	GRA	graphite
267	313	81.30	95.50	LAM QTE		HFL	hornfels
313	360	95.50	109.65	QTE	light grey; local qtz vnits w tr ARS	LAM	laminated
360	362	109.65	110.45	SX-QTZ-CAL VN	PY-POO w ser-chl alt	MNZ	monzonite
362	410	110.45	125.00	SLT		MOL	molybdenite
410	454	125.00	138.38	QTE		POO	pyrrhotite
454	486	138.38	148.00	QTE	ble, ser, wk stwk	POO	pyrrhotite
486	519	148.00	158.20	FLT	oxidized gou	POR	porphyritic
519	725	158.20	221.00	SLT	local qtz vnits and associated alt	PY	pyrite
725	751	221.00	228.80	QTE		QTE	quartzite
751	774	228.80	236.00	QTZ STWK	tr sx; PY, CPY, ARS	QTZ	quartz
774	804	236.00	245.06	QTE		SER	sericite
804	818	245.06	249.32	FLT	tr sx; CAT 2, increase in CAL	SF	silica flooding
818	900	249.32	274.30	HFL SLT		SLC	siliceous
900	905	274.30	275.80	FLT	w crackled qtz-cal vn; 1% PY	SLT	siltstone

SUMMARY SHEET

DD03-39

905	981	275.80	299.00	QTE/HFL SLT	extensive SF; CAT 1 & 2 vnlt	SST	sandstone
981	1003	299.00	305.65	SF VNLT STWK	qtz-cal-tou-sx & qtz-fel vnlt	STWK	stockwork
1003	1014	305.65	309.00	HFL SLT		SX	sulphide
1014	1030	309.00	314.00	QTE	SF	TOU	tourmaline
1030	1048	314.00	319.30	HFL SLT	up to 5% dis POO +/- CPY, tr ARS	TR	trace
1048	1067	319.30	325.19	QTE	grit towards hanging wall	VN	vein (>10 cm wide)
1067	1074	325.19	327.40	HFL SLT		VNLT	veinlets (<10 cm wide)
1074	1092	327.40	332.85	QTE		w	with
1092	1104	332.85	336.65	HFL SLT		wk	weak
1104	1118	336.65	340.90	QTE	altered, dirty, SF		
1118	1126	340.90	343.32	SLT	green, sandy		
1126	1180	343.32	359.80	QTZ STWK/QTE	SF and ser alt dirty qte, low sx		
1180	1182	359.80	360.35	FLT	tr PY		
1182	1186	360.35	361.35	QTE	altered, dirty, SF		
1186	1187	361.35	361.86	FLT			
1187	1223	361.86	372.90	QTE	altered, dirty, intense vnlt, qtz-fel		
1223	1230	372.90	375.00	FLT	broken decomposed qte & vnlt		
1230	1233	375.00	375.70	QTE			
1233	1266	375.70	385.75	QTE/HFL SLT	local SF, chl-ser alt		
1266	1274	385.75	388.44	QTZ VN	massive grey white, tr sx		
1274	1278	388.44	389.60	QTE	dirty, gritty towards footwall		
1278	1285	389.60	391.78	STWK	hosted in SF QTE		
1285	1303	391.78	397.07	QTE			
1303	1304	397.07	397.55	QTZ-FEL VN	tr sx, hairline CAT 2 fra fillings		
1304	1314	397.55	400.59	HFL LAM SLT	contains an aplite vnlt		
1314	1317	400.59	401.50	QTZ-FEL VN	tr sx including 1 spec MOL		
1317	1336	401.50	407.20	HFL LAM SLT			
1336	1342	407.20	409.10	QTE	intensely cracked, tr gra, pinkish pigment		
1342	1357	409.10	413.60	FLT	Treadwell Flt; mixed, rare tr sx		
1357	1392	413.60	424.41	HFL SLT			
1392	1393	424.41	424.73	POR AND	sill		
1393	1405	424.73	428.10	HFL SLT			
1405	1452	428.10	442.57	BIO QTZ MNZ	lower half: fra w CAL/ARG alt		
** should be resurveyed							

Property: BX CLAIMS Azimuth: 215° Logged By: AI DOHERTY; R. Zuran.  
 Zone: UPPER HOBO - TREADWELL FLT Dip: -60° Drilled By: E. CARON DIAMOND DRILLING CO.  
 Claim: Hole Length: 442.57m (1452') Assays By: ACME ANALYTICAL  
 Started: AUG 02, 2003 15:00 hrs Casing: 33 Feet Downhole Surveys: MIS Borehole Survey  
 Completed: Aug 21, 2003 11:00 hrs Core Size: HQ Tool (Icefield)  
 Coordinates: 415287E 7093951N ELV. 5104 FEET (1557m)  
 Comments: To test TREADWELL FAULT, QZ STOCKWORK, EASTERN LIMIT of QZM2 & IP ANOMALY.

From (m)	To (m)	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides	* Veins	% Recov.	RQD	Sample #	From	To	Length	Au	Ag
0.00	10.00	CASING - NO CORE														
10.00	10.90	TOTALLY WEATHERED AND OXIDIZED SILTSTONE (?)														
10.80	11.60	White (Junk?) zill white to buff QUARTZITE. medium to fine grained. Some QV, @ 90° tea. Fe-ox fractures @ 80-45° tea. Hard solid core.														
11.60	12.25	Grey to brown siltstone (minor lighter sandy bands to 5cm) bed @ 70° tea. Fine wispy black laminae common.	0	1	2	2	1	4	Qz							
		11.95 Fe-ox FRAC 45° tea (Fe-ox lim. jarosite etc. ex (PY prob. Agg?)) dendritic Pyrolusite in QZ rich band above & below vein.														
12.25	15.65	White-grey Quartzite with ~ 10% bed/laminae of dk grey siltstone. Vn/fracture @ 10-20° tea and Fe-oxide stained / bleached.														
		13.70-13.60 Fractured Fe-oxides * Fe-ox fractures AN STRONG @ 45° tea + 20°, 10° tea														

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides	# Veins/m	% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
15.65	18.80	White QUARTZITE. med to coarse grained rounded Qtz grains to 2mm. matrix supported in Fe-oxidized clays & silica no calcite, no sulphides. Qtz veins to 1cm; 30°, 60° etc - Core moderately fractured 18.20-18.30 Qtz pebble lens. weak sericite alteration patch in matrix.	0	1	2	2	0	5									
											E01001	16.00	17.00	1.0			
											E01002	17.00	18.00	1.0			
											E01003	18.00	19.00	1.0			
											E01004	19.00	20.00	1.0			
18.80	30.35	LT Gray & Dark Grey Laminated Siltstone well bedded, occasional slumped embayed beds Quartz med QUARTZITE composition (Light) Qtz host to Qtz veins. Core fractured @ 45°, 20° 80° Fe-oxide 34.0m bd 70° etc 25.0-27.0 mostly QUARTZITE.	0	1	2	2	0	3									
											E01005	21.64	22.64	1.0			
											E01006	25.00	26.00	1.0			
											E01007	26.00	27.00	1.0			
											E01008	27.00	28.00	1.0			
30.35	30.50	Biotite Qtz-MONZONITE Sill, u/l contacts @ 30°, 70° etc Fine grained grey. Rtz & actinol phen's to 2x2mm. Fresh.															
30.50	35.50	Laminated Siltstone (weak HFS) mostly grey with sparse light bands bd 60° etc. occasional spotted hfs texture in darker bands. ex. dist po. 31.0-32.0 more QUARTZITE or bleached 30.80-31.24 Breccia & oxidized	0	1	1	1	0	6									

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides	#Vejns/m	% Recov.	RQD	Sample #	From	To	Length	Au	Ag
35.50	37.30	White Quartzite (transitional contact with grey siltstone) >> fracturing & veining dark Fe-oxide fractures. Contacts: Top contact gradual. Sharp lower contact with siltstone. veining more common in Quartzite	0								E01009	35.00	36.00	1.0		
											E01010	36.00	37.00	1.0		
											E01011	37.00	38.00	1.0		
37.30	41.95	SILTSTONE (with fine sandstone interbeds) med grey colour well laminated 37.80 to 39m Poss small fault right at start FRAC @ 20° + Fe-Ox 70° + " parallel bedding 29.50 - 41.0 mostly grey siltstone weak VN/fracture	0								E01012	42.00	43.00	1.0		
											E01013	43.00	44.00	1.0		
											E01014	44.00	45.00	1.0		
41.95	46.70	White Siltstone - Sandstone with phyllite Lamin @ 65° tea. being better sorted east down section Core is mostly dark Fe-ox rubble 42.25 - 44.75 44.75 - 45.0 QU, @ 25° tea	0													
46.70	62.25	SILTSTONE: Grey with lt grey and (Brown grey bands @ 65° tea max 2cm thick) -> often with fine pyroclastic concentrations	1	2	2	1	1									
		51.50 - 53.25 Breccia FRAC (see Fe-Ox 53.50 Silicic cherty Brecciated zone. Dark black halo's on v. thin frac poss Tourmaline??									E01015	53.00	54.00	1.0		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides	Vein/m	% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		Siliceous - Chert-like by also at 56.35-56.45, 57.85 & 59.50 to 61m									E01016	54.00	55.00	1.0		
											E01017	55.00	56.00	1.0		
		55.95-56.15 1cm Qvz + APY, Cal at 25° to ca. rubble zone just before vein.	1	2	3	3	3				E01018	56.00	57.00	1.0		
											E01019	57.00	58.00	1.0		
											E01020	58.00	59.00	1.0		
											E01021	59.00	60.00	1.0		
		59.20-59.50 Vein Qvz (to APY, Po) @ 30° Eca.	1	2	3	3	3									
62.25	69.80	Gray siliceous siltstone with up to 10cm quartzite bands (white, med-fg. sharp contacts @ 65° Eca. Avg width 3.5cm) occasional thin Qvz @ 10-30° Eca.	1	2	2	2	2	2								
		67.50-67.80 Patchy area of wavy veinlets, max 5mm x-cut Lt brown poof band (these are common down hole in siltstone)														
		69.05 Qvz @ 55° Eca.														
		69.70-69.80 Broken Fractured core at contact with Qvz.									E01022	69.00	69.80	0.50		
69.80	70.85	105m White Quartz Vein (massive) milky white quartz - no trace of zoning, soft in places. Small fractures with little selvage. Rare APY, Py, Po, sericite in small patches in vein	0	0	4	4	1	X			E01023	69.80	70.71	0.91		
											E01024	70.71	72.0	1.29		
											E01025	72.00	73.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
70.85	74.71	QUARTZ FLOODED & VEINED Siltstone. very siliceous quartz Hosted, Fractured and brecciated section BLACK waxy mica-veined with Qtz + btd in Tourmaline, Massive. Erosion of P20, App? traces of calcite in fractures + 3 generations of veins.	1	1	4	3	2					E01026	73.00	74.00	1.0		
												E01027	74.00	75.00	1.0		
												E01028	75.00	76.00	1.0		
												E01029	76.00	77.00	1.0		
74.71	75.85	Grey siliceous siltstone. (Laminated) v.f.g. (Silt concreted beds at strat) Vns: P 75.10-75.20	0	1	2	2	1										
75.85	76.50	Qtz FLOODED & VEINED Siltstone. (P20) see strong bleaching @ 76.20-76.35 + Severe bleached and unbleached fractures @ 45°			1	4	3	1				E01030	77.00	78.00	1.0		
76.50	78.80	Siltstone										E01031	78.00	79.00	1.0		
												E01032	79.00	80.00	1.0		
												E01033	80.00	81.00	1.0		
		78.50 Qtz minor P20, clay, calcite in solution										E01034	81.00	82.00	1.0		
												E01035	82.00	83.00	1.0		
76.80	81.30	BLEACHED SILTSTN lighter grey - yellow green siltstone with bleached & oxidized ores and fractures nets of Qtz - btd horizontal fractures															

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
81.30	95.50	Light & DARK LAMINATED QUARTZITE (some scattered silty bands) occasional spotted hlls bands 2-3cm. @ 89.25m core becomes bleached and is altered to a green color by chlorite - sericite weak calcite on FRACTURE	1	1	2	2	1					E 01036	83.00	84.00	1.00		
												E 01037	84.00	85.00	1.00		
												E 01038	85.00	86.00	1.00		
												E 01039	86.00	87.00	1.00		
		87.40 - 87.85 Qvz @ 20° tca Poo, Ser	2	2	2	3	3					E 01040	87.00	88.00	1.00		
		91.25 & 91.45 Qvz + 1.5cm @ 40° tca, APy, Cpy, Poo, + biotite. Vn @ 91.45 has sulphide + bio at selvage ~ edge of vein CALCITE.										E 01041	88.00	89.00	1.00		
												E 01042	89.00	90.00	1.00		
												E 01043	90.00	91.00	1.00		
		92.25 - 94.90 Core fractured in 45° plan tca FRACTURE at chlorite coated										E 01044	91.00	92.00	1.00		
												E 01045	92.00	93.00	1.00		
		93.60 1cm massive APy, Poo, Cpy + bio vein @ 60° tca + CALCITE	2	2	2	2	2					E 01046	93.00	94.00	1.00		
												E 01047	94.00	95.00	1.00		
95.50	109.65	Light gray QUARTZITE. f.g. light gray massive quartz rich quartzite. Spotted hlls zone @ 97m some black laminar. more massive f.g. quartzite above 97.25m	1	1	2	2	2					E 01048	95.00	96.00	1.00		
												E 01049	96.00	97.00	1.00		
												E 01050	97.00	98.00	1.00		
												E 01051	98.00	99.00	1.00		
		99.50 - 102.0 Fractured, broken in Fe-ox cured core.										E 01052	99.00	100.00	1.00		
												E 01053	100.00	101.00	1.00		
		102.0 Qvz + APY										E 01054	101.00	102.00	1.00		
		102.60 Qvz + APy cal, Ser 45° tca										E 01055	102.00	103.00	1.00		
		103.00 - 103.94 Qvz runny silty core (QR, CH, Ser, Poo.)										E 01056	103.00	103.94	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		104.52 - 104.70 - 1.5cm QVz @ 10° tca, cut and offset by very thin fractures Right-lateral offset down core. VN is QVz < 1% calcite with sericite-pyrite patches.	1	1	2	2	1					E 01057	103.99	105.00	1.06		
		105.00 - 105.70 Fractured w/ Fe-oxide coated core. 1 QVz @ 105.35-105.45 + Ser, Py, Apy @ 10-20° tca										E 01058	105.00	106.00	1.00		
		105.70 - 106.60 White quartzite with RQD veins										E 01059	106.00	107.00	1.00		
		106.60 - 106.98 Fractured w/ oxidized w/ quartz veins (tr. sulphides)															
		107.0 - 109.60 Quartzite, massive f.g.										E 01060	107.00	108.00	1.00		
		108.90 - 109.00 QVz @ 25° tca										E 01061	108.00	109.65	1.65		
109.65	110.45	VEIN. massive Py, Po, QVz + Cal + Sericite + chlorite vein. STAIRS as thin 1-1.5cm QVz + calcite - 1% cop. and swells to Py-Po, Ser, chlorite mass. d.c. Thin vein @ 20° tca LC sharp @ 25° tca mineralization is somewhat zoned sericite sericite @ wall then chlorite, sulphides in center.	3	2	4	4	4					E 01062	109.65	110.45	0.80		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
110.45	125.00	SILTSTONE - dk gray & brown, v.f.g thinly bedded & laminated, Bd - ≈ 40° tca. Occasional thin QTZITE beds. Sparse veining, slump structure and control bedding (soft and dull) occasional small pockets of sericite-pyrite and black - mica veinlets										E 01063	110.45	111.00	0.55		
												E 01064	111.00	112.00	1.00		
												E 01065	112.00	113.00	1.00		
												E 01066	113.00	114.00	1.00		
												E 01067	114.00	115.00	1.00		
												E 01068	115.00	116.00	1.00		
		119.24 - 119.50 Fine network of QTZ + CAL + py veinlets															
		122.60 - 123.40 Clay coated fracture @ 0° tca.															
		124.30 - 125.0 QTZ veins (w/ Sulphides)										E 01069	124.00	125.00	1.00		
125.0	139.38	Quartzite. White massive, f.g. (Bd. rarely visible) weak, thin ser-py fracture/mica veins. Core matrix Brocken & Fracture Fe-oxide stain										E 01070	125.00	126.00	1.00		
												E 01071	126.00	127.00	1.00		
												E 01072	127.00	128.00	1.00		
												E 01073	128.00	129.00	1.00		
												E 01074	129.00	130.00	1.00		
138.38	148.00	QUARTZITE (white, f.g) bleached + sericite fine network (streak) of micro veins QTZ, ser, py, poss. Ap4. @ 138.43 Ap4 + ser + sericite @ 139.25 clot of ser + py 138.38 - 148.0 NO STREAK OR ABOVE 144.80 - 145.20 WEAK STREAKWORK QZ + Py ser, py, ser. @ 147.10 Ap4 + Py scattered to 147.50										E 01075	130.00	131.00	1.00		
												E 01076	131.00	132.00	1.00		
												E 01077	132.00	133.00	1.00		
												E 01078	133.00	134.00	1.00		
												E 01079	134.00	135.00	1.00		
												E 01080	135.00	136.00	1.00		
												E 01081	136.00	137.00	1.00		
												E 01082	137.00	138.38	1.38		
												E 01083	138.38	139.00	0.62		
												E 01084	139.00	140.00	1.00		
												E 01085	140.00	141.00	1.00		

made into 1 sample # 01082

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
148.00	158.20	Fault gouge in QTZITE - Brown clay gouge (oxidized) - v. Breken core. interpenetrated with zones (blocks) of silica flaked quartz @ 149.05 - 149.80; 150.88 - 151.80 154.0 - 154.50 @ 148.20 APY vein, oxidized 45° Ecm									E 01086	141.00	142.00	1.00		
											E 01087	142.00	143.00	1.00		
											E 01088	143.00	144.00	1.00		
											E 01089	144.00	145.00	1.00		
											E 01090	145.00	146.00	1.00		
											E 01091	146.00	147.00	1.00		
											E 01092	147.00	148.00	1.00		
											E 01093	148.00	149.00	1.00		
											E 01094	149.00	150.00	1.00		
158.20	221.0	Grey siltstone. massive to thinly bedded or laminated. weak spotted HfK in places. Rd Ag 40' Ecm occasional dk gray beds & weak zone of nit-veins and discrete < 1cm veins throughout Ag 1-2/m. except at nite									E 01095	150.00	151.00	1.00		
											E 01096	151.00	152.00	1.00		
											E 01097	152.00	153.00	1.00		
											E 01098	153.00	154.00	1.00		
											E 01099	154.00	155.00	1.00		
											E 01100	155.00	156.00	1.00		
											E 01101	156.00	157.00	1.00		
											E 01102	157.00	158.20	1.20		
		158.20 - 159.50 - 8-10 vni Qv <sub>2</sub> matrix Py-fer vni @ 20-30° Ecm									E 01103	158.20	159.00	0.80		
											E 01104	159.00	160.00	1.00		
											E 01105	160.00	161.00	1.00		
		163.35 - 163.50 3 Qv <sub>2</sub> @ 45° Ecm ser + py selvage									E 01106	161.00	162.00	1.00		
											E 01107	162.00	163.00	1.00		
											E 01108	163.00	164.00	1.00		
		164.90 - 165.10 vni Bv. QTZ + Cnl + fer Sand opt spread									E 01109	164.00	165.00	1.00		
											E 01110	165.00	166.00	1.00		
											E 01111	166.00	167.00	1.00		
		165.75 - 166.25 vni Bv QTZ + Cnl + fer @ 45° Ecm sand slickensides									E 01112	167.00	168.00	1.00		
		166.25 - 166.75 Breken core. Poss small fault														
		167.25 1cm QU Py + fer @ 45° Ecm														
		163.10 - 170.0 slickensides & carbonates + blw green clay? (Dumortierite) in fault @ 45° Ecm Actual 25' - 45' Aug.														

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		c 120.72 QV <sub>2</sub> with secondary holes c 20° Eca. runs along core for 25cm.									E 01113	168.00	169.00	1.00		
											E 01114	169.00	170.00	1.00		
		171.0-172.67 massive pits with net of v.f. veins 0-20° Eca black-fuzzy like fennelium? * odd disrupted / faulted beds, laminar c 171.0-171.70 laminar wavy and disrupted (c 0-10° Eca), X-cut and off-cut by lt grey, QV, c 90° Eca. milky									E 01115	171.00	172.00	1.00		
		172.62-175.50 A few (2/m) 1mm lt grey milky QV c 90° Eca									E 01116	172.00	173.00	1.00		
											E 01117	173.00	174.00	1.00		
											E 01118	174.00	175.00	1.00		
		175.50-179.60 c 24 QV <sub>2</sub> 1-3mm wide c 20°, 45°, 70° Eca. Qtz + Py + Sx + Chl. cross cut oil (1) dk grey black micro-veins Bio cutting (2) grey Qtz calcite with fuzzy at holes. (3) QV <sub>2</sub> + Sx + chl. + py + Apy														
		178.60-187.10 Siltstone, massive slightly bleached and lighter colour names little zones of fuzzy grey-green Qtz - chl veins See 186.10 c 70° Eca									E 01119	185.00	186.00	1.00		
											E 01120	186.00	187.00	1.00		
		187.10-221.0 much the same throughout bd 60° Eca Lots of green chlorite veins Also strongly wavy vein at end of interval									E 01121	187.00	188.00	1.00		
											E 01122	188.00	189.00	1.00		

made into  
1 sample  
# 01120

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
												E 01123	189.00	190.00	1.00		
												E 01124	190.00	191.00	1.00		
												E 01125	191.00	192.00	1.00		
		c 212.50-213.50 Broken chloritized col Flint 25cm QU <sub>2</sub> at										E 01126	192.00	193.00	1.00		
		212.75-212.85 c 213.00-217.10										E 01127	193.00	194.00	1.00		
		m c 217.50										E 01128	194.00	195.00	1.00		
		217.45-217.50 QU <sub>2</sub> + col c 45° tca.										E 01129	207.00	208.00	1.00		
												E 01130	208.00	209.00	1.00		
		217.50-221.0 Over with <del>...</del>										E 01131	209.00	210.00	1.00		
		INDISTINCT Fuzzy veins										E 01132	210.00	211.00	1.00		
		c 45° & 60° tca										E 01133	211.00	212.00	1.00		
												E 01134	212.00	213.00	1.00		
221.0	228.90	QUARTZITE. Lt grey to grey-white f.g. quartzite, massive, bedding indistinct c 70°-90° tca, sul fine black/green fractures 45°-60° tca 10cm patch QU <sub>2</sub> c 221.60-221.70 80° tca										E 01135	213.00	214.00	1.00		
												E 01136	214.00	215.00	1.00		
												E 01137	215.00	216.00	1.00		
												E 01138	216.00	217.00	1.00		
												E 01139	217.00	218.00	1.00		
												E 01140	218.00	219.00	1.00		
												E 01141	219.00	220.00	1.00		
228.90	236.0	STRWORK QU. Veins only 10cm of core approx. Avg width 5mm up to 3cm, c 45° + 10° tca Rare sulphides, Ag, Pb, Fe, As? chlorite, sericite. well preserved sericite with RE alt Strongest 229.00-232.50 CONTINUED SPARSELY to 236.0										E 01142	220.00	221.00	1.00		
												E 01143	221.00	222.00	1.00		
												E 01144	222.00	223.00	1.00		
												E 01145	223.00	224.00	1.00		
												E 01146	224.00	225.00	1.00		
												E 01147	225.00	226.00	1.00		
												E 01148	226.00	227.00	1.00		
												E 01149	227.00	228.00	1.00		
												E 01150	228.00	228.80	0.80		
236.00	245.06	QUARTZITE, Grey-white f.g. quartzite, weakly sericitized Weakly veined, BD. 70° tca.										E 01151	228.80	230.00	1.20		
												E 01152	230.00	231.00	1.00		
												E 01153	231.00	232.00	1.00		

made into 1 sample # 01144

QU<sub>2</sub> c  
becoming broken towards FW

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		RICK ZURAN - logged from 245.06m.										E 01154	232.00	233.00	1.00		
												E 01155	233.00	234.00	1.00		
245.06	249.32	FAULT - Minor; Broken and Sheared Interval.	3	3	3	3	2					E 01156	234.00	235.00	1.00		
		10% Hg to off white clay (ser) ± cal gneiss; 50% pale gray										E 01157	235.00	236.00	1.00		
		slt flood - ser altered QTE & local CAT #2 units same &										E 01158	236.00	237.00	1.00		
		hi CAL content; 40% gq in bedded siliceous SLT rot										E 01159	237.00	238.00	1.00		
		as altered as QTE lithology. Both QTE & SLT broken;										E 01160	238.00	239.00	1.00		
		avg dc 4cm long - fr dis ARS ± PY/POO/CPV thru interval.										E 01161	239.00	240.00	1.00		
												E 01162	240.00	241.00	1.00		
		(247.16-247.35m) Cracked milky wh QTZ-CAL-PY/										E 01163	241.00	242.00	1.00		
		POO (fr.) vein. SER along fra.										E 01164	242.00	243.00	1.00		
												E 01165	243.00	244.00	1.00		
		(248.75m) Noted dis euh ARS + blb PY/CPV										E 01166	244.00	245.06	1.06		
		along fra.										E 01167	245.06	246.00	0.94		
												E 01168	246.00	247.00	1.00		
249.32	274.30	HORNFELSED SILTSTONE	1	1	2	2	1					E 01169	247.00	248.00	1.00		
		DK gray grey and greenish grey siliceous fin SLT comprising										E 01170	248.00	249.32	1.32		
		1) LAM - fr bedded upper (HW) subinterval and 2) a poorly										E 01171	249.32	251.00	1.68		
		bedded to massive bottom (FW) subinterval. The two															
		sub intervals are separated by a gla vein. Both sub-															
		intervals are moderately veined (units) & local alteration															
		envelopes. The bottom interval shows increased silicific.															
		ation - a paling of the core and the minor presence of															
		TON assoc with CAT 2 units															
		(249.32-254.28m) LAM HFL SLT.	1	1	2	2	1										
		DK grey silty beds avg 2cm wide @ 70-90° TCA.										E 01172	251.00	252.00	1.00		
		fr - 3% fin dis POO throughout. CAT #2 unit running										E 01173	252.00	253.00	1.00		
		down core @ 10° TCA - CPV-POO/PY-ARS-QTE/CAL blun										E 01174	253.00	254.00	1.00		
		252.62-253.30m. *Reconstructed to 318/50.															
												E 01175	254.00	255.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(254.28-254.50m) Deformed folioform grey-milky qtz on locally cracked and injected = cat #2	1	0	4	4	2					E 01176	255.00	256.00	1.00		
		mil. Tr-1% Sx => ARS-Poo-CPY; dis & blebby										E 01177	256.00	257.00	1.00		
												E 01178	257.00	258.00	1.00		
												E 01179	258.00	259.00	1.00		
		(254.50-274.30m) HFL SLT	1	1	2	2	1					E 01180	259.00	260.00	1.00		
		Grey to pale greenish grey poorly to bedded fig.										E 01181	260.00	261.00	1.00		
		SLT & increased CAT#2 units & alteration (sic? ser)										E 01182	261.00	262.00	1.00		
		enclaves. PY/Poo/TOU/CAL-Qtz 273-274m. -1cm										E 01183	262.00	263.00	1.00		
												E 01184	263.00	264.00	1.00		
274.30	275.80	FAULT with Cracked vein										E 01185	264.00	265.00	1.00		
		10% grey calcareous fault gouge; 40% wh milky cracked & broken mas qtz & minor cal on - tr-1% py along str.;	2	3	2	2	1					E 01186	265.00	266.00	1.00		
		50% gn-qtz altered (clay-chl) cracked & wk-med qtz-cal										E 01187	266.00	267.00	1.00		
		str. Core broken to 5cm pcs (avg.)										E 01188	267.00	268.00	1.00		
		FW on ~ 70° TCA.										E 01189	268.00	269.00	1.00		
												E 01190	269.00	270.00	1.00		
												E 01191	270.00	271.00	1.00		
275.80	299.00	ALTERED QUARTZITE & HFL SLT <sup>Poorly Bedded Extensive Silica Flooding</sup>	2	1	3	3	1					E 01192	271.00	272.00	1.00		
		Grey-greenish to off white fig. may locally silty quartzite with moderate to strong chaotic milky quartz (minor CAL) units & extensive ser! chl & silica flooding throughout interval. At least 3 unit categories => milky white diffuse chaotic units (avg 1/2cm)										E 01193	272.00	273.00	1.00		
		- note rare ARS also CPY/Poo/PY association = CAT#1 or #2 ?										E 01194	273.00	274.30	1.30		
		② off wh-cream coloured CAT #3 str of CAL; and										E 01195	274.30	275.00	0.70		
		* ③ grey white veined and white FEL. Qtz units up to 3cm wide - albite ?? (x-spar)?? Chlorite altered/wkly stained										E 01196	275.00	275.80	0.80		
		Silly beds up to 4cm wide @ 55° TCA.										E 01197	275.80	277.00	1.20		
		(277.40-278.30m) Intense milky qtz stringer/units	2	1	3	4	1					E 01198	277.00	278.00	1.00		
		1/2 cm unit every 2cm. Note minor crosscutting															
		CAL (CAT#3 str) @ 5° TCA. Qtz splits ~ 45° TCA										E 01199	278.00	279.00	1.00		
		Tr-2% dis Poo; rare CPY; ARS-fig dis.															

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(278.50-278.70m) FEL <sup>+</sup> -QTZ unit @ 35°TCA (5cm wide); could also be 2 generations of qtz; Tr ARS + POO on fro surface - also SER. Noted v. rare v. fig acicular TDU needles	0	0	4	4	1					E 01200	279.00	280.00	1.00		
		(279.00-279.20m) Chlorite-cly altered (wky sh) silty beds w 2 foliaform FEL-QTZ units (1.5cm wide. @ 50°TCA Tr v fig dis sr - POO?	0	2	3	3	1					E 01201	280.00	281.00	1.00		
		(280.25m) foliated radiating masses (fig acc) of TDU on fro plane assoc w POO + ARS	0	0	0	0	2					E 01202	281.00	282.00	1.00		
		(281.79-299.00m) Finer grained grey to greyish gn (where altered and silice flooded) dirty/silty silicified quartzite. 40-50% of interval contains irregular greyish-green alt envelopes around fro planes and vein-lets (cly-ser). • (282.50m) 5mm gy-wh qtz-py unit assoc w cly @ 30°TCA • (282.60m) small cly SHE @ 70°TCA • (283.00-283.60m) pale greyish green silice flooded zone of QTZ. Tr dis CPY along fro. • (283.60m - 284.00m) silty-cly alt (mod.) • (284.00 - 284.50m) Net crackle w paled 4mm alt env. on fro planes. Tr POO, CPY, ARS. • (284.50 - 285.00m) silty dk dirty QTZ w tr dis POO and tr PY on irreg fro • (285.00m) H. gy cly SHE 60v. • (285.00 - 285.90m) dk gn-gy rex. tal. <sup>2</sup> SLC dirty sandy SLT w tr POO & CPY • (285.90 - 287.50m) Net crackle w paled greenish grey alt. env. Mod. gy-wh QTZ vein-lets.	1	1	3	3	1					E 01203	282.00	283.00	1.00		
												E 01204	283.00	284.00	1.00		
												E 01205	284.00	285.00	1.00		
												E 01206	285.00	286.00	1.00		
												E 01207	286.00	287.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		→ (285.90-287.50m)														
		1-3% dis-bib sx particularly along tra planes CPV, POO, ARS. Host rock mod. clean Mod gn-gy QTE.														
		• (287.50-288.10m) slt HFL in bedded SLT- mod. dk gy. Beds 1cm @ 65°TCA. Tr dis/bib POO. Mod. mag.									E 01208	287.00	288.00	1.00		
		• (288.10m) 1cm wide wh. gy QTZ-FEL VULT @ 65°TCA - concordant to bedding. Tr POO.									E 01209	288.00	289.00	1.00		
		• (288.10-289.50m) Interbedded gy HFL slt SLT and mod silica flooded paleo gn-gy dirty QTE wk qtz unls. Rare CAL STR // TCA									E 01210	289.00	290.00	1.00		
		• (289.50-289.70m) 2 x 1cm wide QTZ-FEL UNLIS rare tr dis PY/ARS (CPV?? Au??) FEL. v. wh. UNLIS @ 45°TCA									E 01211	290.00	291.00	1.00		
		• (289.70-290.20m) Inter lam dk gy HFL SLT & gy slt dirty QTE - tr 2% dis sx - POO, CPV														
		• (290.20-290.35m) 5cm wide diffuse wh. gy QTZ-FEL VULT. Tr SX - SER and gdt coloured sx?														
		• (290.35-292.80m) Grey mas silty/dirty HFL QTE/sandy HFL SLT. Tr 1% sx modly POO.									E 01212	291.00	292.00	1.00		
		• (292.80-294.75m) broad pale gn-gy all env of silica flooding w/ minor tr sx (ARS, POO, CPV & rare tr arc TOW) along tra planes. Diffuse crackle and unls (Qtz). Centre of env is wh. gy QTZ-FEL VULT @ 20°TCA - hydraulically puffed/cracked 1cm thick (293.75-294.00m) * NOTE HW env ≈ 80cm FW env ≈ 50cm. HW alt slightly more intense.									E 01213	292.00	293.00	1.00		
		• (294.75-299.00m) wkly silica flooded									E 01214	293.00	294.00	1.00		
											E 01215	294.00	295.00	1.00		
											E 01216	295.00	296.00	1.00		
											E 01217	296.00	297.00	1.00		
											E 01218	297.00	298.00	1.00		
											E 01219	298.00	299.00	1.00		

QTZ-FEL-VULTS - broad alteration env  
temperature 10-3 unls ← 1-5mm if 1-3mm wid

↑  
10-40cm / 1cm wide.

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
299.00	305.65	SILICA FLOODED VEINLET STWK ZONE Diffuse banded HW & FW con. Very pale to pale lt greenish grey in areas of strongest flooding; darker grey in areas of wk-mtd flooding. 20% chaotic QTE, QTE-CAL-TOU-SX and QTE-FEL veinlets. Host rock is QTE (palest colours) - dirty QTE-HFL (partly recrystallized) SLT (dkest colours).	2	2	3	3	2											
		(299.00-300.45m) Very pale gn-gy QTE - strongly silica flooded 3-1cm milky qtz vnlt 2 55°TCA. Generally 'clean'; rare tr sx → ARS, PY	0	0	4	2	1					E 01220	299.00	300.45	1.45			
		* (300.45-301.25m) QTE-FEL-TOU-CAL sheared VNLT with ARS-PY and shear/ft gouge @ 20°TCA. * Significant mineralization (sx) Bloby sx 1cm across. Dk gy TOU needles avg 3mm; up to 1cm.	3	3	4	4	3						E 01221	300.45	301.25	0.80		
		(301.25-301.90m) Strongly sil flooded QTE - rdvd milky wh spots in pale gn-gy QTE; qtz pebbles?											E 01222	301.25	301.90	0.65		
		(301.90-302.10m) 4x 1-3cm wmt wh-gy QTE-FEL vnlt. ± SER. Tr dis PY/Poo. Vnlt @ 80-90°TCA.	0	0	4	4	1						E 01223	301.90	302.10	1.10		
		(302.10m-302.33m) v. pale strongly silica flooded QTE.																
		(302.33-302.44m) 2mm wide QTE-FEL v rare tr ARS - v. sig. dis. SER in env. Vnlt @ 25°TCA	0	0	4	4	1											
		(302.44-303.20m) Strongly silica flooded gy-gn QTE ± SER. Tr dis Poo.	0	0	4	2	1						E 01224	302.44	303.20	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
		<i>#(303.20 - 303.55m) 5-10cm irregular QTZ-FEL-ARS-TOU unit w minor POO-DY-CPY and CAL. V. similar to 300.45m unit. Six represent 25% - mainly cog-xln ARS. Noted SER in hole.</i>	2	0	4	4	4											
		<i>(303.55 - 305.00m) Strongly silica flooded pale gn-gry QTE w local HFL SLT sections. Mod. vults - diffuse - chaotic. Tr dis ARS-CPY-PY noted. Mod SER</i>	0	0	4	3	1											
		<i>(305.00 - 305.10m) QTZ-FEL VEIN 10cm - diffuse. Almost stylonitic con to host. Euh-cog ARS-tr in envelope</i>	0	0	4	4	1											
												E 01225	304.00	305.65	1.65			
		<i>(305.10 - 305.65m) V. pale lgy-ortho strongly silica flooded and veined (qtz) interval w dis euh fig-mg ARS, local PY on the surfaces - tr</i>	0	0	4	4	1											
305.65	309.00	<i>HORNFEISED SILTSTONE with Sandy Interbeds. Dark grey hornfelsed partly recrystallized siliceous siltstone with 2% dis po. Laminar consistently @ 40°TCA</i>										E 01226	305.65	307.00	1.35			
												E 01227	307.00	308.00	1.00			
		<i>(308.00 - 308.50m) Uniform net crackle - shape bk fill - TO4 in a brown subconcordably fracturing SLT/CRT. Noted Py-Poo &amp; ARS on the planes.</i>	0	0	3	0	2					E 01228	308.00	309.00	1.00			
		<i>Py-Po in centre Some go w Lam ~ 20-35 TO4 solvage CRACKLE.</i>																

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag		
309.00	314.50	SILICA FLOODED QUARTZITE Pole br-gy to 11gy and off white strongly silica flooded w moderate veinlets with t-2% dis sx (Py, Poo, ARS, CPY). ARS often CAT 2 fra planes - chaotic	1	0	4	3	2												
		(309.00-311.00m) wk v. diffuse wide rot crackle brownish tinge. Fra have alt anu. Noted reg rth striated ARS v. lts. & 1% ARS/CPY/Py/Poo.	1	0	3	3	2					E 01229	309.00	310.00	1.00				
												E 01230	310.00	311.00	1.00				
		(311.00-313.00m) pole gn-gy strongly silica flooded with 2 sub-intervals of HFL SLT - she lam @ 35° TCA Moderate veinlets (qtz). Tr ARS-PY throughout interval alteration envelope	1	0	4	3	2					E 01231	311.00	312.00	1.00				
												E 01232	312.00	313.00	1.00				
		(313.00-313.15m) 2mm wide QTZ-FEL UNLT @ 25° TCA alteration envelope										E 01233	313.00	314.50	1.50				
		(313.15-314.00m) pole gn-gy strongly silica flooded QTZ w CAT 2 fra planes and a 3mm wide mas ARS unlt @ 55° TCA (313.50m) Flucon soaked & altered (ch <sup>+</sup> for?) HFL SLT? interbed @ 30° TCA. BK fra fillings cracked and spotted host. (SLT?) - (314.00-314.17m)	1	0	4	2	2												
		(314.17-314.50m) wkly silica flooded brown-gy QTZ SST-RT/QTZ.																	
314.50	319.30	HORNFELSED SILTSTONE w Sandy Intervals Grey-brown upper sub-interval (314.50m-315.40m) of dirty qtz sandstone/quartzite w 2% sx mostly pss - mas, no bedding. Fig-mag subd. qtz grains in siliceous matrix; core moderately magnetic.	0	0	4	0	1					E 01234	314.50	316.00	1.50				

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		Dark grey bottom subinterval (315.40-319.30m) of	0	0	2	1	2					E 01235	316.00	317.00	1.00		
		fin sil hornfelsed, partly recrystallized siltstone w up to 5% dis Poo (avg 2%) ± CPY and rare trace ARS. PY noted on fra. planes (trace). wk crackle / env. alteration (317.80 - 318.10m). Bedding (318.25m) @ 30° TCA. Sharp Fwcon @ 40° TCA. Core moderately magnetic.										E 01236	317.00	318.00	1.00		
												E 01237	318.00	319.30	1.30		
319.30	325.19	QUARTZITE	1	0	4	3	2					E 01238	319.30	320.00	0.70		
		Medium grey quartzite/quartz sandstone ± noted 2-3mm size milky wh quartz grains (grit size) towards HW.										E 01239	320.00	321.00	1.00		
		Interval moderately veined cracked & numerous fra planes containing blotchy CPY-Poo ± tr amounts of ARS. assoc. with falled fine grained radiating TDU + CAL masses as noted @ 321.50m and throughout much of interval.										E 01240	321.00	322.00	1.00		
		Fwcon sharp @ 25° TCA										E 01241	322.00	323.00	1.00		
												E 01242	323.00	324.00	1.00		
												E 01243	324.00	325.19	1.19		
325.19	327.40	HORNFELSED SILTSTONE	0	0	2	0	1					E 01244	325.19	326.00	0.81		
		DK grey partly recrystallized, poorly bedded, relatively un-silica flooded hornfelsed siltstone. Tr-3% dis Poo. Noted trace PY & Poo ± CPY & ARS - rare. Core locally moderately magnetic. No veinlets.										E 01245	326.00	327.40	1.40		
327.40	327.85	QUARTZITE Locally silty	1	0	4	3	2					E 01246	327.40	327.85	1.60		
		Pale moderately silty flooded & banded red crackle (all holes) to dark grey silty hornfelsed quartzite. Moderate qtz units numerous planar fra & CPY, Poo, PY and lesser emb dis ARS crystals. assoc & QZ-CAL (Category 2 fra fill.)															
		(327.40 - 327.80m) mottled off white / pale gy chaotic diffuse veined. Assoc fra & CAT #2 Sr															

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(329.50-330.20m) Net-Spider, crackle w all env. on crackle planes. Moderate gtz veinlets - diffuse. Noted increase in CPY in fr plane fills. CPY-PY/P00-ARS in that order ± CAL COA. QTZ-FEL unit @ 30°TCA 330.20m	1	0	4	3	2					E 01247	329.00	330.00	1.00		
												E 01248	330.00	331.00	1.00		
		(331.00-331.50m) Similar to above 2e QTZ-FEL unit. Crackle & all. hole.	1	0	4	3	2					E 01249	331.00	332.85	1.85		
		Lower FW con gradational @ 60°TCA															
332.85	336.65	HORNFEISED SILTSTONE - Locally Sandy Dark grey, poorly to moderately TR/LAM bedded, fig partly recrystallized hornfised siltstone - locally sandy (20% of interval) - fig. may gtz grains. Relatively un- silica flooded, no gtz veinlets. Rare fracture plane & fr CPY-P00/PY ± ARS.	0	0	2	0	1					E 01250	332.85	334.00	1.15		
												E 01251	334.00	335.00	1.00		
												E 01252	335.00	336.65	1.65		
		(334.75-335.25m) LAM @ 25°TCA FW con gradational															
336.65	340.90	ALTERED SILICA FLOODED DIRTY QUARTZITE & Low Grit Greenish-grey mottled moderately to intensely cracked and veined (veinlets) & net-spider all envelopes containing SER - silty dirty quartzite - strong silica flooding & evenly spaced 2-4cm wide QTZ-FEL units may be responsible for this alteration zone. Inc. in CPY-ARS-P00/PY	1	0	3	3	2					E 01253	336.65	338.00	1.35		
												E 01254	338.00	339.00	1.00		
		339.10-339.50m Dark grey matrix (siltier) with grit-size blue-grey gtz grains.										E 01255	339.00	340.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
		<p>QTZ-FEL VENTS @</p> <p>→ (327.19-327.25m) → irregular broken and displaced by SER hole; cut by young fro filled str. of Dy ± CPY</p> <p>→ (338.35-338.67m) - actually 1 vein w 1-2cm &amp; several 11 str all @ 45° TCA - strong SER in env. Later hostline py-cpy ± cal str. cutting QTZ-FEL vein.</p> <p>→ (339.63-339.68m) sharp con @ 45° TCA - 2 1/2 cm wide in lighter gritty-silty-gte. (darker grey) ⇒ bluish-grey qtz grains.</p>																
340.90	343.32	<p>GREEN SANDY SILTSTONE (Volcanic?? - Good Marker?)</p> <p>Distinct fig green (gn) massive with local fig-mag gte sand grains. No bedding, v. wk. crackle, no veinlets.</p> <p>H/Wron v. sharp @ 35° TCA - conformable. V. rare v fig dis</p> <p>Sx - ABS. Green colour ⇒ volcanic epiclastic ??? Tr Py</p> <p>Coolings on rare fra faces</p>	0	1	1	0	1					E 01257	340.90	342.00	1.10			
												E 01258	342.00	343.32	1.32			
343.32	359.80	<p>QTZ STWK ZONE - DIRTY QTE with Minor Altered SLT</p> <p>Complex Zone comprising moderate to v. pale gn-gy to off wh silica flooded / ser alt fig-mag quartzites (gte) - locally cracked and with mod-strong veinlet intensity accompanied by pocket all. holes; darker gn-gy to gy wky rly-ser &amp; slt altered</p> <p>H/FEL SLT - generally poorly bedded (v 45° TCA). H/Wron obscured by broken core. Generally low in sulphide content ⇒</p> <p>CPY. ABS noted in rare fr. ants; py more common as fra cooling.</p>	1	2	3	3	1					E 01259	343.32	344.00	0.68			

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(343.32-346.50m) Pale greenish-grey qtz-ssd -qtz, mod-strongly silice flooded with veinlets every 5-20 cm (diffuse - some dislocated along hair fra). Veinlet avg 1/2 cm wide fl to each other at 45°TCA composed of an older milky qz-wh - clean of sx. However some frac that dislocate them have a high CPY content assoc w CAL and TOL? act? (Cas #2 fra fill.) * high CPY @ (344.29m). Spotted rrrys. (v. lg Bro) LAM @ 50°TCA (345.35) - silty.	1	0	4	4	1					E01260	344.00	345.00	1.00		
												E01261	345.00	346.00	1.00		
		(346.50-347.60m) Grey-white cracked, brecciated and re-bedded vein-bra zone. Greyish qtz frags (avg. 1cm) - sub & in a dk grey fgy matrix - Mullisoidal. Lack CAL-PY fra fillings out interval; RARE sulphides - PY notet. In some silice flooding on streaks.	2	1	4	4	1					E01262	346.00	347.00	1.00		
		(347.60-348.08m) relatively calm un altered subinterval of uniformly interbedded silty qtz ssd/qlt and HFL SLT LAM @ 50°TCA. Tr - 1% dis P00. Wk cly ser chl alt - greenish tinge.	0	1	1	0	1					E01263	347.00	348.00	1.00		
		(348.08-348.45m) Pale gn-gy alt dirty QTE with str system @ 25 TCA across bedding. Trc. in CPY-P00 along fr and rare tr dis APS assoc. w cly gss and CAL.	2	2	3	3	2					E01264	348.00	349.00	1.00		
		(348.45-349.70m) Dk gy rrrys. HFL SLT with Fluon to pale qtz @ 30°TCA; some LAM. Wkly altered in contrast to FW & HW intervals	0	0	2	0	1					E01265	349.00	350.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
		(349.70-350.75m) Pale gr-gy fig-mag QTE moderately silica flooded-crackled - no qtz vults. Local silty LAM @ 55°TCA. Minor (tr) Sr PY-CAL ± CPY along iron ore zones	1	0	3	0	1					E 01265	349.00	350.00	1.00			
												E 01266	350.00	351.00	1.00			
		(350.75-351.15m) Wh crackled 3cm wide QTZ vult and assoc subparallel STR of vults. Largest vult. has a dk stylolytic con - bk material ?? gray chl?? CAL along hairline crackle. Hosted predominantly in dirty QTE. Py-tr along late ore zones	1	0	4	4	1											
		(351.15-356.75m) Competent Core of med. to intensely not crackled ± alt halo - avg 3mm ± veinlets/str 2mm-15mm. Increase in str/veinlet density ↑ where silt ↓. Lithology a mos dirty gr-gy. QTE & pervasive wk-mod (along str) SFR alt Tr sr POO? CPY noted wk-mod silica flooding	1	0	3	3	1					E 01267	351.00	352.00	1.00			
												E 01268	352.00	353.00	1.00			
												E 01269	353.00	354.00	1.00			
												E 01270	354.00	355.00	1.00			
		(356.76-357.08m) Wh mos QTZ-FEL (St.) vein ~15cm wide by an irregular NW run and a sharp FURCON @ 35°TCA. Late hairline sic & Sr-moily tr POO/PY-CAL	1	0	4	4	1					E 01271	355.00	356.00	1.00			
												E 01272	356.00	357.08	1.08			
		(357.08-359.80m) v similar to but busier. Gray silty/dirty to v pale gr-gy QTE. Large contrast blotches of silica flooding - SFR alt (70%) Dkr gray to dk gr-gy more silt ± chl. (30%) Moderately veinlets/str & inc. CPY-PY ± TOU (?) association	1	0	3	3	2					E 01273	357.08	358.00	0.92			
												E 01274	358.00	359.00	1.00			
												E 01275	359.00	359.80	0.80			
359.80	360.35	FAULT Sheared - alternating bands of pale gn SEE altered SLT and alt wh milky qtz vults. Strong SNE fabric @ 40°TCA. Competent Core. Tr PY	1	2	3	3	1					E 01276	359.80	360.35	0.55			

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
360.35	361.35	ALTERED DIRTY QUARTZITE - Silica Flooded; Q12 Str. v. similar to HW of Fault (357.08-359.80m); more intense flooding - pale gr gy, Tr sx CPY-PY-POO. Fwcon @ 5°C A SHE 60u seen 1/4 cm wide	1	1	4	3	1					E 01277	360.35	361.35	1.00		
361.35	361.86	FAULT Light gray FLT 60u (15%) - mostly towards the HW HWcon @ 5°C A. Broken gray Dirty QTE chips (avg 1/2 cm - angular) - some chips containing and odd bca lithology. No sx seen.	0	3	3	0	0					E 01278	361.35	361.86	0.51		
361.86	372.90	ALTERED DIRTY QUARTZITE - Intense Qtz Valt, SF. Similar to (360.35-361.35m) but larger Qtz + Qtz:Fe1 Valts and Vns. Noted increase in CPY-PY-ARS but still minor.  (361.86-362.90m) Pale gr gy = some clear grey mottling 362.10-362.20. Pale colour reflects strong silica flooding. V. tr v. lig dis DV? CPY particularly along Tr planes ± minor SER/TOU, CAL.  (362.90-363.60m) Dkr altered silty zone containing 40% milky-gray wh Qtz-FEL ± TOU-CAL-CPY-PY in salvage and all env. Tr sx but increased CPY. Valts ~ 40°C A  (363.60-366.00m) Wkly-moderate by silica flooded interval of pale gr-gy lg. mod qtz ssf/gte becoming gritty towards FW. Massive no bedding. Veinlets of: • 363.70m - milky gy, 1/2 cm, assoc ± str ± ARS-CPY-PY • 363.80m - milky gy, 1/4 cm, cracked, assoc ±	1	0	4	3	1					E 01279	361.86	363.00	1.14		
												E 01280	363.00	364.00	1.00		
												E 01281	364.00	365.00	1.00		
												E 01282	365.00	366.00	1.00		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		CAL str No SX														
		• 364.10m - milky cracked, 1/2cm, 1 spec ARS, tr dis PY. Some CAL fra rootings.														
		• 364.33-364.73m 5cm @ 10°TCA; Q12-FEL unit. V. tr specs of PY-CPY-TOU & SFR assoc to hairline fra crossing unit.														
		• 364.90m 3cm @ 45°RA. milky wh. qtz Q12-FEL unit by SL CAL in center - 1 spec CPY.														
		365.30 => silty LAM @ 20°TCA														
		• 365.82m 1cm @ 30°cm; Q12-FEL unit & no SX; PY + SFR in cross cutting fra fillings														
		* v Grithy FW - some diffuse milky grains 2mm across														
		(366.00 - 367.00m) Generally a dker greenish grey more chl-ser altered grit/qtz sub-interval. 1 qtz unit @ 20°TCA - not bedded. Slight inc. in SX => 1' dis noted Poo-PY & CPY, rare ARS. Increased CAL str and rootings	2	1	2	2	1				E 01283	366.00	367.00	1.00		
		(367.00 - 369.75m) Generally the same as above but siltier and locally laminated. LAM generally @ 50°RA but also disrupted towards FW. Strong CHL-ser all in silty LAM. Various shades of pale creamy green to dker green br. qtz colours	2	1	2	2	1				E 01284	367.00	368.00	1.00		
											E 01295	368.00	369.00	1.00		
		(369.75 - 372.90) Generally pale gn qtz, moderately veined to milky qtz wh str/units (chaotic), mod. silice flooded QTE. Tr SX & TOU	1	1	3	3	1				E 01286	369.00	370.00	1.00		
		FW con & FLT con @ ≈ 40-70°TCA; no clean.									E 01287	370.00	371.00	1.00		
											E 01288	371.00	372.00	1.00		
											E 01289	372.00	372.90	0.90		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
372.90	375.00	FAULT ZONE Grey to grey wh gouge, decomposed with + gte, and broken core.										E01290	372.90	374.00	1.10			
		(372.90-373.46m) Lt gy flt gou (50%) + decomposed clay altered / argillically altered calcareous - Dtz-FEL in brk. (50%). Argill - wh.	2	4	1	3	0					E01291	374.00	375.00	1.00			
		(373.46-374.60m) Broken core; avg pc. 3cm; angular Lt gy wk. mod silice flooded, strong vnlts/str. Tr PY coatings on fra surfaces. Tr local cal on fra surfaces. Moderately cracked	1	0	4	3	1											
		(374.60-375.00m) Dk gn gy silty chl ± ser altered gte. No vnlts/str.	1	1	2	0	1											
375.00	375.70	QUARTZITE Lt grey, moderate veinlets (gte) + crackle, fr poq-py, cpy - dis. Particular on fra planes and assoc w SER(ii)	0	0	4	3	1					E01292	375.00	375.70	0.70			
375.70	387.75	DIRTY ALTERED QUARTZITE WITH HFL SLT LAMINAE Mixed interval of predominantly a green grey, paling with increase silice flooding and veining, dirty quartzite with up to 40% horizontal siltstone laminae ... varying degrees of chl-ser alteration, generally weak, but increasing w HFL SLT content. Veining/veinlets/stringers variable wt - strong. One vein up to 25cm. Laminae generally 70° rca but locally disrupted in heavily veined subintervals.	1	1	2	2	1					E01293	375.70	387.80	1.00			

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(375.70-377.80m) pale gn gray dirty quartz wk-mat chl-ser alt., wk silica flooding. 1cm wide qtz vein @ 20°TCA. HW HFL SLT LAM @ 45°TCA assoc & folioform broken veinlets and mod chert Minor PY.	1	1	3	2	1					E 01293	375.70	377.80	2.10		
		(377.80-381.10m) Predominantly gn-gy dirty qtz with mod chl alt in interlam HFL SLT layers. wk silica flooding and slight piling in cleaner qtz interbeds. Also assoc & wk qtz units; no qtz veinlets in "siltier" HFL SLT interlam. Tr dis pos particularly in HFL SLT. Tr POO-PY I CPY and v rare ARS with SER on local fro planes. LAM @ 80°TCA	1	1	2	2	1					E 01294	377.80	379.00	1.20		
												E 01295	379.00	380.00	1.00		
												E 01296	380.00	381.10	1.10		
		(381.10-382.10m) DK gn-gy dirty gritty qtz massive, no bedding - slightly coarse grain fraction Mod. chl-alt in matrix. Tr PY coatings on fr surfaces. Assoc & CAL. Moderate qtz str facing @ 45°TCA	1	1	2	2	1					E 01297	381.10	382.10	1.00		
		(382.10-384.90m) SOS 377.80-381.10m interval. LAM @ 80°TCA. V. wk oxidation noted around the 383m mark	1	1	2	2	1					E 01298	382.10	383.00	0.90		
												E 01299	383.00	384.00	1.00		
												E 01300	384.00	384.90	0.90		
		(384.90-385.10m) well dev CAT #2 Veinlet con 2-5cm, irregular but ~ 45°TCA. V. strong paled SER ENV. & 60% milky qtz, 15% cog xln CAL, 5% b16 ARS, 10% cog xln TO4, 10% CPY-POO/PY - mas.	3	1	4	4	3					177251	384.90	385.10	0.20		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		(385.10 - 387.75m) Mixed sub-interval comprising	1	1	2	2	1				177752	385.10	386.00	0.90		
		① weakly veined dirty gritty QTE ② Inter laminated														
		dirty QTE / HFL SLT an <sup>③</sup> spotted w/ky silice flooded									177753	386.00	387.00	1.00		
		g/le. Moderate chl I ser alt. Lam near HW @									177754	387.00	387.75	0.75		
		85°C.A. Rare sulphides - tr P00-DY ± CPY ± TOU/arr?														
		on fm planes. locally assoc w CAL. coatings														
387.75	388.44	QUARTZ VEIN. Massive Grey-White.	0	1	4	4	1				177755	387.75	388.44	0.69		
		Wk crackle - related to chl alt silty lam inclusions.														
		Rare tr P00. if fm fill as well as disseminations														
		70% mas. ay-wh quartz + tr secondary py on fm surfaces.														
		+ 30% deformed horn felsed. chl-altered silty laminae.														
		included in quartz vein.														
388.44	389.60	DIRTY QUARTZITE Deformed, Interlaminated w HFL SLT	1	1	2	2	1				177756	388.44	389.60	1.16		
		DK grey green chl-altered HFL SLT lam in dirty QTE -														
		contorted/deformed lam. Local aqcpn g/le lenses (1x3m)														
		and foliate form (lam.) g/le with @ FW. Also brecciating														
		grittier toward FW. FW con @ 85°C.A. Wk discontin.														
		qtz units. CAL-DY coatings (tr) on fm surfaces														
389.60	391.78	QUARTZ VEIN/VEINLET STWK In Silice Flooded QTE	1	1	3	3	1				177757	389.60	391.00	1.40		
		Interval comprises: ① 25% 'clean' white quartz														
		vein with assoc veinlets/str on its flanks; ② 60%														
		Dkbt gn-gy QTE w local intense silice flooding +														
		SER alt proximal to qtz vein - locally gritty with														
		1-2mm milky g/le grains (2.1.); ③ 15% fm mas														
		dk HFL SLT.														
		(389.60 - 390.33) Pale gn-gy QTE + vnlts/str.	1	1	3	3	1									
		Tr CAL-DY hairline fm fillings														

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
		(390.33-390.62m) Massive wh qtz vein w 10cm fr CAT #2 fra fillings → CPY-POO-PY-ARS- CAL. Strongly paled / silicified. Flooded f SER at env. FW & HW con v. irregular.	1	0	4	4	1											
		(390.62-390.95m) Pale gn-gy QTZ - gritty	0	0	4	2	0											
		(391.95-391.26m) Dk gy fig mas HFL SLT. Fr dis POO (w/ky magnetic) and fr CAL-PY as fra mas.	1	0	2	0	1											
		(391.26-391.78m) Grey gritty QTZ. 2x 1/2 on QTZ-FEL UNITS @ 85°TCA -    to bedding Rare fr CAL-PY hairline fra fillings	1	0	3	3	1						177758	391.00	391.78	0.78		
391.78	392.07	DIRTY QUARTZITE Interbedded & Silty laminae Mixed interval comprising: ① 60% moderate grey mag QTE locally dirty gn-gy (wk chl alt.) mas to w/ky laminated when dirty and w fr dis POO-ARS- CPY-CAL hairline fra fillings; ② 35% DK green-gy HFL SLT mod chl alt. to fr-2% dis POO-w/ky magnetic - lam @ 85°TCA.; ③ 5% cracked - diffuse QTZ FEL unit - prominent one @ 392.90 - 10cm wide -	1	0	2	2	1						177759	391.78	393.00	1.22		
													177760	393.00	394.00	1.00		
													177761	394.00	395.00	1.00		
													177762	395.00	396.00	1.00		
													177763	396.00	397.07	1.07		
397.07	397.55	WHITE QUARTZ-FELDSPAR VEIN Clean white orthoclase (?) feldspar 80% + milky greyish white quartz & fracture fill and flood. A hairline CAT #2 fra planes @ 60-70°TCA 10cm apart with fr. CAL-PY-ARS-POO-CPY filling. Strong SER-SLC alt. on FW env; no alt env on HW side. HW con v. sharp @ 85°TCA; FW con v irregular shaling ground @ 10°TCA.	1	0	4	4	1						177764	397.07	397.55	0.48		

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides			% Recov.	RQD	Sample #	From	To	Length	Au	Ag
397.55	400.59	HORNFELSED LAMINATED SILTSTONE DK grey - moderate grey bands (1-2cm) and laminae @ 75° TCA - v. fig siliceous hornfelsed siltstone with 10% QTE and/or sandy intervals. (ie longest stretch @ HW → 397.55-398.00m). V. wk to no qtz veinlets. Relatively unaltered. Rare tr sx, predominantly py on frn planes. • 399.73m - Moq - beige grey equigranular, 1cm dyke with razor sharp ill HW/EW con @ 35° TCA cutting lam obliquely; look like QTE but probably an APLITE UNIT? 3 more 3mm wide ones ll & tr dk sx? 399.90-400.00m.	1	0	2	1	1					177765	397.55	399.00	0.45		
												177766	399.00	400.00	1.00		
												177767	400.00	400.59	0.59		
400.59	401.50	WHITE QUARTZ-FELDSPAR VEIN Identical in character to vein @ 397.07-397.55m. Vein @ 5° TCA - drilled down vein. True thickness ~ 10cm. Rare car & tr fr & tr PY-P00-CPY-ARS-CAL. Tight ~10cm SER-SLC all. env. against HFL LAM SLT. 1 monodonum spec noted within mas. un.	1	0	4	4	1					177768	400.59	401.50	0.91		
401.50	407.20	HORNFELSED LAM. SLT with 40% Sandy/QTE beds. V. similar to 397.55-400.59m interval; thicker qte interbeds. Relatively low alteration, most of which is in upper/HW part of interval from 401.50-402.50m → wk - strong siliceous flooding; wk qtz chaotic veinlets with net. env patting in predominantly a gn. gy QTE interbed. Uniform laminae 4-1cm thick @ 85° TCA. Core contains 1-1% dis fig P00 particularly in silty beds. Rare tr P00-PY-CPY on local frn planes. Most of interval unaltered.	1	1	2	1	1					177769	401.50	403.00	1.50		
												177770	403.00	404.00	1.00		
												177771	404.00	405.00	1.00		
												177772	405.00	406.00	1.00		
												177773	406.00	407.20	1.20		

• Higher HFL SLT act as good structural traps for pooling more vein fluid if QTE FEL UNITS above

gr<sup>o</sup> planes @ 1 st

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag	
407.20	409.10	INTENSELY CRACKLED ALTERED QUARTZITE Mottled pale green with local pinkish pigment. Irregular con. ctk is v. intense but core is competent - moderately Silicea flooded. (Uniform every 20cm) planar fractures/breaks with surface coatings of graphite (gra) - 55°CFA; may be H <sub>2</sub> O? Un sure of FW/H <sub>2</sub> O con although FW maybe @ 40°CFA - core broken and faulted @ FW con. - hairline crackle lines are ble creaming with slightly d/cr but still pale gn QTE blun crackle - no sign of sx in this interval.	0	1	4	2	0				177774	407.20	408.00	0.80			
											177775	408.00	409.10	1.10			
409.10	413.60	FAULT ZONE - Major Predominantly 40% grey-cream coloured clay fault gouge + 60% broken core → crackly pale S.F. QTE and clay altered greenish dirty QTE/SLT. QTE veining in some core pcs. 3mm pyrite seam @ 50°CFA in crackle QTE broken core @ 410.66m. wk gra noted on some of these 50°CFA fra planes. H <sub>2</sub> O & FW con obscured but breaks in rock indicate ⇒ H <sub>2</sub> O con @ 40°CFA; FW con @ 40°CFA Clay sh <sub>2</sub> 4m ft @ 30-40°CFA. This interval is mixed. QTE broken core pcs contain qtz vn material - intensely crackled & cal str; dirty QTE/SLT pcs & clay-chil(?) alteration are predominantly steamed and brecciated. Rare sx - py seam; some flig dis py in QTE pcs.	1	4	3	3	1					177776	409.10	410.00	0.90		
											177777	410.00	411.00	1.00			
											177778	411.00	412.00	1.00			
											177779	412.00	413.60	1.60			
413.60	414.41	HORNFELSED SILSTONE Dark grey, predominantly massive locally w/ly bedded fig - partly recrystallized hornfelsed silt stone. Tr v. fig dis too through. Core weakly magnetic. No qtz units or sign. alteration (eg S.F. or chil-ck)	0	0	2	0	1				177780	413.60	415.00	1.40			
											177781	415.00	416.00	1.00			

From	To	Description: Lithology, Structure, Alteration, Mineralization	Carbonate	Clay	Quartz	Veins	Sulphides		% Recov.	RQD	Sample #	From	To	Length	Au	Ag
		LAM @ → (414.90m) 20° TCA									177782	423.00	424.00	1.00		
		• (421.00 - 421.84) 30° TCA														
		• (421.84 - 422.00m) Rubbled core (H?)									177783	424.00	424.91	0.41		
		• (423.00m) 75° TCA														
		• (423.00 - 424.20m) 90° TCA <sup>1mm Qtz vein</sup> ARS-CPI-POO														
424.41	424.73	PORPHYRITIC ANDESITE SILT Grey fgy ground mass & 10% diffuse sub-euhedral feldspar phenos (3mm avg) and smaller (1mm) wkly chl altered biotite phenos - 5%. Rare fr dis POO. No S.F./units or sign. alteration. Ev & Hw con v. sharp @ 70-80° TCA	0	0	0	0	1				177784	424.41	424.73	0.42		
424.73	428.10	HORNFELSED SILTSTONE V similar to (413.60 - 424.41m). DK grey, mas - no real bedding in this interval but suspect 70-80° TCA. Partly recrystallized matrix. Locally wkly magmatic V & v. fgy dis POO. V. sharp Fw con = br. Qtz Hw @ 55° TCA. No significant halo @ contact. No gtz units of pelting of core. Core solid and relatively unaltered.	0	0	0	0	1				177785	424.73	426.00	1.27		
											177786	426.00	427.00	1.00		
											177787	427.00	428.10	1.10		
428.10	442.57	BIOTITE QUARTZ MONZONITE E.O.H. General grey colour with 30% megacrystic (Bman) euhedral elongated orthoclase phenos generally orientated N 70-90° TCA; 25% grey mag antiodial quartz; 30% meg sub-euhedral plagioclase; 15% meg books of bk biotite locally wkly chloritized.	1	1	3	2	0				177788	428.10	429.00	0.90		
											177789	429.00	430.00	1.00		
											177790	430.00	431.00	1.00		
											177791	431.00	432.00	1.00		
											177792	432.00	433.00	1.00		
											177793	433.00	434.00	1.00		
											177794	434.00	435.00	1.00		
		(428.10 - 434.00m) Relatively fresh, solid / compact core as described above	0	0	3	0	0				177795	435.00	436.00	1.00		
		(434.00 - 442.57m) series of fca planes: most N 40° TCA 1-3mm wide & wh clay-cal alteration. Noted minor SER.	3	2	3	2	0				177796	436.00	437.00	1.00		
											177797	437.00	438.00	1.00		
											177798	438.00	439.00	1.00		

Fr. plane every ~ 30cm. No Sx.

E.O.H @ 442.57m (1452')

177799 439.00 440.00 1.00  
177800 440.00 441.00 1.00  
177801 441.00 442.57 1.57 E.O.H.

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

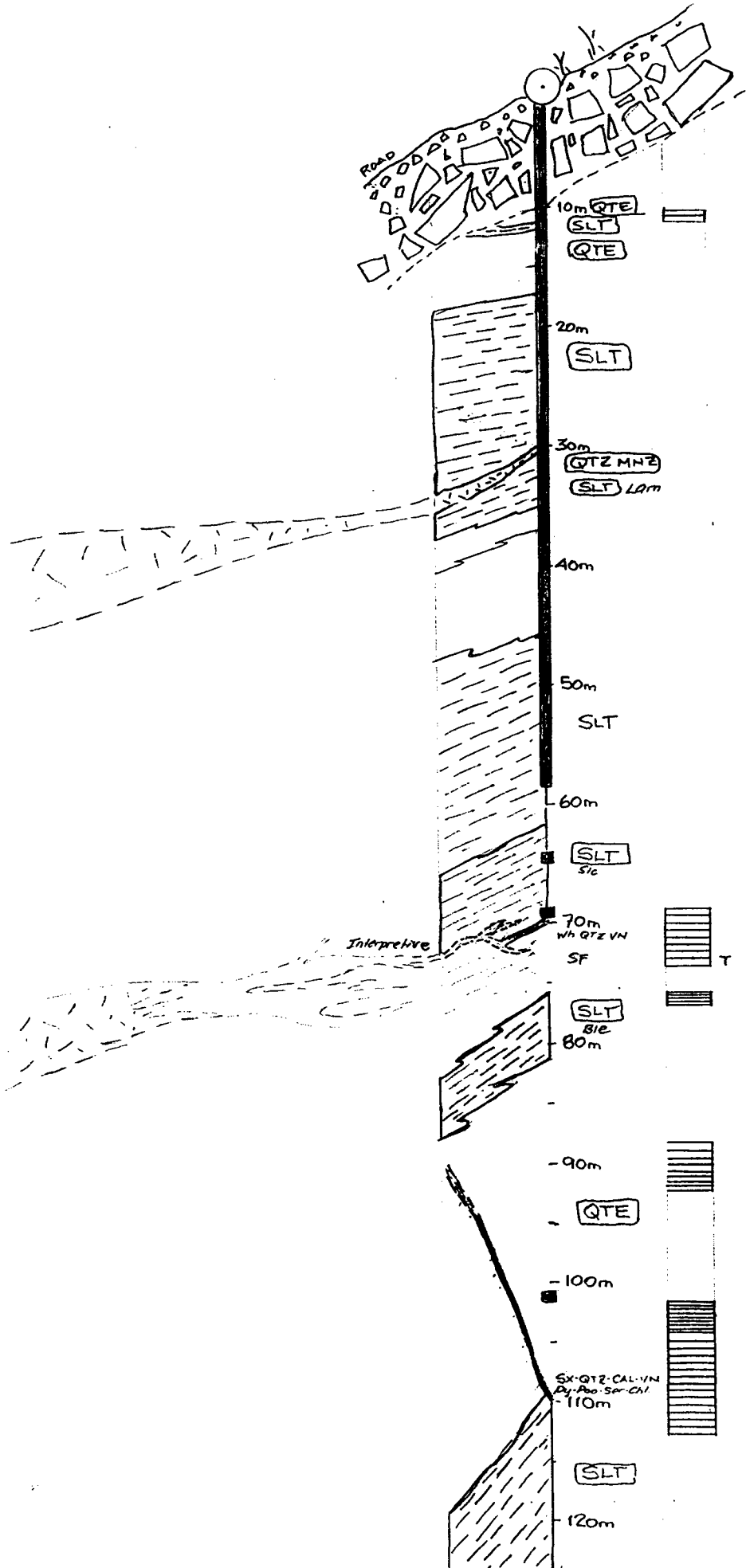
DD03-39

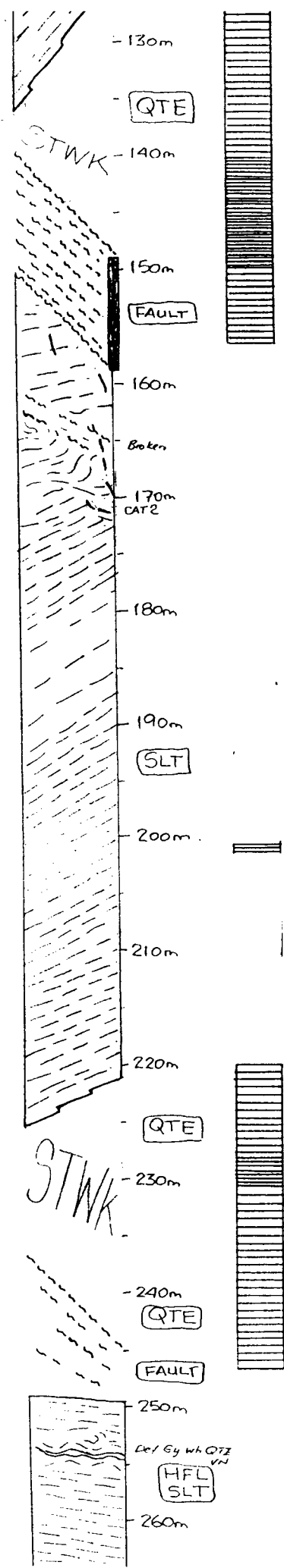
Looking NW.

215° -60°

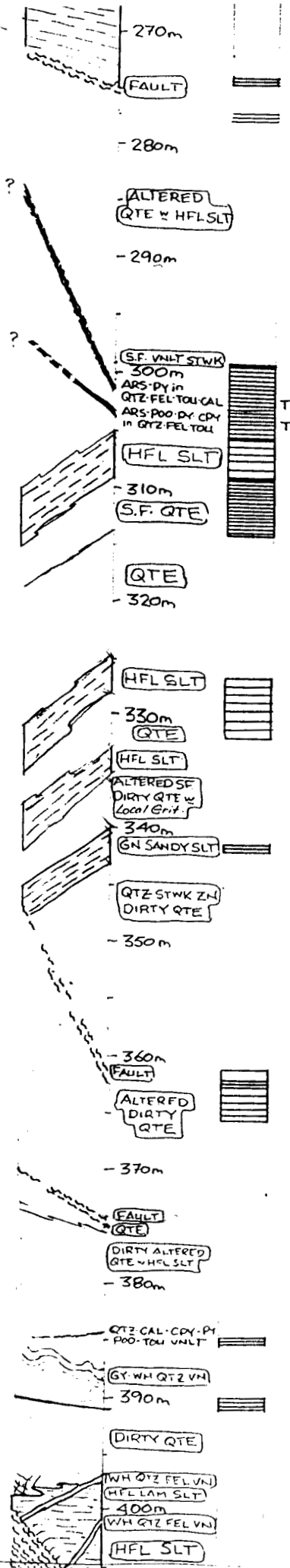
STRIP PLOT

RZ.

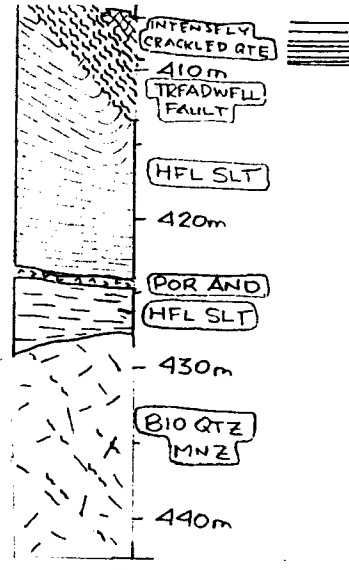




*Interpretive*



Interpretive



E.O.H @ 442.57m

*Interpretive*

