Geological assessment Report Quartz claims CAu Property Owner: Sylvain Montrueil

115 O/15 Dawson District Dominion Mountain Area Utm to Access: 608000 7081000, Zenc 7

Work from 2009 season. 2010 season's work will be addended. April 26<sup>th</sup> – Dec 31<sup>st</sup>

Costs associated with this report have been A sharing were used of the coupled to straights i what there on 8 9 10 .11 RECEIVED Report compiled by: JUN 3 0 2010 E. Petroutsas and S. Montreuil ining District mentol Box 1112, Dawson City OL. 6 Yukon, YOB-1G0

095298

Claims for grouping into the CAu project.

Coarse Gold Creek CAu CAu 1-10 (Lion Creek) YC84378-84387 CAu 11-22 (Caribou Creek) YC84388-84399 CAu 23-34 (Coarse Gold Creek) YC84400-YC84411 CAu 35-53 (Between Coarse & Caribou Creeks) YC86501-YC86519 CAu 54-59 (Hi-Mag hill) YC86520-86525 CAu 60-70 (Hi Mag Hill & Dominion Creek) YD07701-YD07711 70 Hard rock claims

> Dominion Creek between Caribou & Paris HRS 1-2 YD07787-07788 HRS 3-5 YD07736-07738 HRS 7-13 YD07740-07746 12 claims

> > Paris 1-4 YD07712-07715 Paris 5-8 YD07723-07726 Paris 9-10 YD07734-07735 10 claims

Paris P-I **YD07727-07730** 4 claims <u>26</u> Hard rock claims

Portland Creek P1-12 YD07789-07800 P13-16 YD07719-07722 GR Group 1-4 YD07747-07750 <u>20</u> claims

Robinson Creek AuR 1-14 YD07773-07786 AuR15-16 YD07732-07733 <u>16</u> claims

132 claims total

# **Table of Contents**

	Page
Introduction	4
Location Access & Vegetation	
Regional Geology	
Property Exploration History	7
Caribou Creek	
Coarse Gold Creek	
Hard Rock Shaft & Paris	9
Portland to Ridge	10
Robinson	11
Sample Sheet & Map	
Trenching Sheet & Map	
Interpretation & Conclusions	11
Sample Description	12
Statement of Qualifications	13
Appendixes	14
Labor Costs	



#### Introduction

The Coarse Gold (CAu) property comprises 132 claims encompassing 2,572 hectares on an un-glaciated portion of the Klondike Plateau near Dawson in west central Yukon, Canada. This block of claims, were the focus of an exploration program during 2009 funded, staked and worked by Sylvan Montrueil and Erini Petroutsas.

The claims lie over placer leases that have been heavy gold producers<sup>1</sup>, but very little hard rock exploration has been done over the last century even though the location is central to where the "mother load" of Dominion, Sulphur and Gold Run Creeks is presumed to exist. This report is a compilation of previously reported work on the claims and a detailed description of the 2009 work program, leading into the 2010 work program that will focus on following up leads from assay results showing gold.

#### Location, Access & Vegetation

The property encompasses all of Lion, Caribou and Coarse Gold creeks as well as portions of Portland and Robinson creeks. All creeks are tributaries of Dominion Creek, which is known globally as one of the largest placer gold producing areas in North America.<sup>2</sup>

The entire block is easily accessed by road, being 34 kms up the Hunker Creek Road, which is a government maintained access road to the goldfields and continues to Indian River & beyond. The turnoff for Hunker Creek lies less than 20 kms from Dawson City. The property begins 4 kms south-east of Hunker Summit and roughly 5 kms south-east of King Solomon's Dome, reaching to within 1.5 kms of the summit of Dominion Mountain.

Virtually the entire Klondike District lies below treeline. Vegetation on south and south-west facing slopes consists of aspen or mixed aspen and birch, with varying amounts of underbrush that becomes denser at higher elevations. Permafrost is commonly absent on south facing slopes, but is widespread on north facing slopes. Such north facing slopes are characterized by scrub spruce mixed with aspen.

#### **Regional Geology**

The Klondike District lies within the un-glaciated portion of the Northern Cordillera and experienced strong surface weathering during the early and mid-Tertiary. Regional Quaternary glacial limit compilations have been completed along the margins of the Dominion Creek drainage by Bostock (1942, 1946), Hughes (1969), and most recently by Duk-Rodkin (1999).

These studies indicate that late Pilocene glaciers advanced in Tintina Trench slightly north of Dominion, depositing a coeval melt water discharge southward with the climate change.

The goldfields originated from the weathering and erosion of early Cretaceous, discordant mesothermal quartz veins, and the light grey color of the matrix of the White Channel Gravel is due mainly to weathering and diagenetic alteration by groundwater flow.<sup>i</sup>

The White Channel strath is interpreted as an erosional 'tectonic' terrace that formed during isostatic uplift and under conditions of dynamic equilibrium. The high-level White Channel Gravel and Klondike Gravel are interpreted as a depositional 'climatic' terrace that formed during a reversal in the

4

<sup>&</sup>lt;sup>1</sup> Resource Appraisal Map for Placer Gold in the Stewart River & Dawson Areas. G.W. Lowey, S. Deforest and P. Lipovsky. Indian and Northern Affairs Exploration & Geological Division. 2002. Open File 2002-6.

See also: Percentage of Total Placer Gold Production (1978-2003) By Region. Bill LeBarge, *Placer Geologist, Yukon Government*. Open File 2001-34. Attached as footnote -.

<sup>&</sup>lt;sup>2</sup> Pg 159. Placer depositional settings and their ages along Dominion Creek, Klondike Yukon. Duane Froese University of Calgary, R.J. Enkin Geological survey of Canada and D.G. Smith University of Calgary. Yukon Exploration & Geology. 2000.

tectonically induced down cutting, which is attributed to the initial and most extensive of the pre-Reid glaciations in the Yukon. The intermediate-level gravel is interpreted as minor erosional 'complex response' terraces that formed during static equilibrium when there were pauses in valley-floor degradation, which are attributed to the subsequent and less extensive pre-Reid glaciations.

The low level gravel formed also during valley-floor degradation and may represent a return to dynamic equilibrium conditions. Hence, the dominant forcing mechanisms controlling the evolution of the goldfields were isostatically compensated exhumation and climatic change weathering related to the repeated glaciations of the Yukon. In addition, the lowering of base-level from high-level, to intermediate-level and finally to low-level gravel was accompanied by a decrease in accommodation space (as indicated by a decrease in gravel thickness), which resulted in an increase in the concentration of the placer gold.<sup>3</sup>

Ross Gravel (as defined), is volumetrically the most significant source for placer deposits on Dominion Creek, similar to the Pilocene White Channel gravel of Bonanza and Hunker Creeks, stratigraphic work indicates the Ross gravel is significantly younger then White Channel Gravel. On Dominion Creek, Ross gavel is incicised up to 40 m into the White Channel Terrace.<sup>4</sup>

The Dominion Creek basin is located within the Yukon-Tanana Terrane and consists largely of metasedimentary and meta-volcanic rocks at chlorite-biotite to garnet metamorphic grade. (Mortensen 1990, 1996). The erosion of meso-thermal quartz veins appears to be the main source of the Klondike placer deposits based upon elemental similarities (microprobe geochemistry) between placer and lode gold (Knight et al., 1999b). Erosion of bedrock sources and transport by fluvial processes is supported on Dominion creek by hydraulic equivalence data amongst gravelly depositional unit grain size and weight of gold grains recovered from placer gravel.<sup>5</sup>

Gold within Dominion Creek deposits is largely flat, rounded and well traveled, suggesting the main source was likely somewhere near King Solomon Dome in the headwaters of the basin. (See footnote 2) The property lies in an area consisting mostly of Klondike Schist (B), which is regionally metemorphisized, massive serific rock containing much quartz and chlorite, commonly in corrugated lenses crosscut with discordant quartz veins. It grades through feldspathic quartz mica schist to gneiss. The Klondike Schist truncates strata of the Yukon Group, holds inclusions of these rocks, and otherwise exhibits characteristics of an intrusive rock.<sup>6</sup>

Sampling of veins throughout the Klondike has shown that gold is confined almost exclusively to the discordant veins. A younger set that form tabular veins which crosscut compositional layering in the schists, reaching 2.5 m in thickness in parts of the Klondike District. Pyrite is commonly present, usually as narrow selvages. Other sulphides, notably galena, sphalerite, tetrahedrite, stibnite, chalcopyrite and free gold occur in the "discordant" veins.<sup>7</sup>

Cataclastic sections, having very superior permeability, are the favored areas to which the residual ores associated with gold are diffused. It is a remarkable fact that where gold occurs in well defined ore shoots, the quarz of such shoots is invariably cataclastic, and the limits of the ore mark the limits of the

<sup>&</sup>lt;sup>3</sup> The origin and evolution of the Klondike goldfields, Yukon, Canada. Grant W. Lowey. Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, 2005.

<sup>&</sup>lt;sup>4</sup> Pg 165. Placer depositional settings and their ages along Dominion Creek, Klondike Yukon. Duane Froese University of Calgary, R.J. Enkin Geological survey of Canada and D.G. Smith University of Calgary. Yukon Exploration & Geology 2000.

<sup>&</sup>lt;sup>5</sup> Depositional processes of a placer gold deposit, Dominion Creek, Klondike, Yukon. University of British Columbia Thesis by T. Christie 1996.

<sup>&</sup>lt;sup>6</sup> Department of Mines & Resources Geology Branch, Geological Survey Map by H.S. Bostock. 1937.

<sup>&</sup>lt;sup>7</sup> Regional Geology for all Klondike Assessment Reports. J.K. Mortensen PhD for Archer, Cathro & Associates, 1981.

cataclastic modification. The typical order of deposition is pyrite, arsenopyrite (if present), sphalerite, galena and gold, with sericite or carbonate or both continually depositing throughout the sequence.<sup>8</sup>



Veins such as this example from Robinson Creek are also on Coarse Gold Creek at Dominion, Portland & Caribou Creeks.

The term Sediment Hosted Vein (SHV) deposit is used for a family of gold deposits that consist of gold in quartz veins hosted by shale and siltstone sedimentary rocks. These deposits occur throughout the world. Some of these sedimentary belts have undergone fold - thrust deformation and those that have, are candidates for hosting SHV deposits. This style of deformation is important in the creation SHV deposits for two reasons. First, it helps to generate the hydrothermal fluids that transport and deposit the gold. And second, it produces the structural architecture that enables the fluids to pass upward through the crust to a location where a gold deposit can form.

Quartz and quartz-carbonate veins with gold are the hallmark of SHV type deposits. These veins form from fluids, which commonly leave a subtle but distinctive alteration signature.

For example, carbonate alteration is most prevalent. Also, the formation of sericite – an alteration mineral - and bleaching of host rocks is common. At the surface, these altered rocks weather and produce subtle pastel colors – khaki, mauve, and yellow brown or a sandy-colored bleached appearance. Iron pyrite is usually introduced with alteration leaving fine to large pyrite cubes scattered throughout the host rock, particularly near veins. <sup>9</sup>

<sup>&</sup>lt;sup>8</sup>Pgs. 613 & 618. GOLD: History and Genesis of Deposits. Frank Ebbutt. *Canadian Institute of Mining and Metallurgy*, Montreal. 1948.

<sup>&</sup>lt;sup>9</sup> Sediment Hosted Vein Deposits Paul Klipfel Ph.D. Mineral Resources Services Inc. 2005.

www.spmtngold.com/i/pdf/What-is-a-Sediment-Hosted-Vein-Deposit.pdf

# **Property Exploration History**

Claims CAu 69, 21, 22, 23, 24, 49 and 50 as well as HRS 1, 3, 4, 5, Paris 1,2,3,4 and Paris P,A,R,I, all straddle Dominion Creek between the historic towns of Caribou and Paris. These towns were set up to accommodate the influx of workers that worked the creek at this location in the early 1900's. To have two such sizable town sites within such a close vicinity indicate the abundance of placer gold that existed here of which there are no exact records available.<sup>10</sup>

# **Caribou** Creek

This creek has been mined continuously producing gold since the days of the original rush according to Jim Stewart who placer mined there for 30 years and only last year ceased production. The under laying rock of this area that we discovered and later dug out, contain large veins of chlorite, mica, sericite, quartz with pyrite, chalcopyrite, arsenopyrite and gold (sample 18).

Large quantity of this material vein all around Caribou Creek and they are beautiful rocks, not only as gold carriers but also as tile, a possible by-product of operations if a rock saw was invested. As we explore the property we are finding a lot of this heavily metamorphized vein material. So far it extends from the head of Caribou down Dominion and up to the ridges of Portland and Robinson. A substantial system that warrants further investigation.



Samples taken from veins on Caribou Creek, the same type of veins were located at the top and bottom of the Creek. Sample 18 at 0.24 of a kilo, a rock like these, contains 351.9ppm Copper, 298ppm Manganease, 2.31ppm Iron and 163.6 pp to Gold.

## **Coarse Gold Creek- CAu**

Though it seems rudimentary, the first indication that there would be something on the CAu claims would be that it was called then as now Coarse Gold Creek, indicating that coarse gold was found there and hence had not traveled far from it's source.

Favron Brothers, Dawson City placer miners, are the only recorded claim holders on Coarse Gold Creek, there have been no hard-rock claims staked on this creek before. The placer claims they held there for 20 years lapsed at the end of 2003.

During exploration in 2009, the stripping done by Favron on Coarse Gold Creek was located along with 2 of their drill holes by the exploration team. A shaft was dug to further explore this location and as assessment for a placer lease on the same creek. Though dug in February, the shaft filled with water 10

<sup>&</sup>lt;sup>10</sup> See table 1. Pg 160. Placer depositional settings and their ages along Dominion Creek, Klondike Yukon. Duane Froese *University of Calgary*, R.J. Enkin *Geological survey of Canada* and D.G. Smith *University of Calgary*. Yukon Exploration & Geology 2000. See Attached.

feet below frozen ground and roughly 5 feet above creek level indicating that the ground is "hot" due to fault action underneath. This can also be an explanation for why the old timers were not able to shaft as well as why Favron was able to do so little. It is only specially equipped and modern drills that can get recovery from thawed wet ground. Their placer reports from the mouth of Coarse Gold indicate gold fineness of 820 in their finds with quartz present. And excerpt is included.<sup>ii</sup>

A magnometer survey was also conducted, which indicated a sharp spike in magnetics in the same area. The mineral manganese and magnetite is often associated with gold deposits.<sup>iii</sup>

Location 049 (galena) was found as an intrusion on the right limit, halfway up on Coarse Gold Creek. The surrounding quartz rocks are all broken, perhaps because of hydrothermal influences. A water sample was taken from the nearby spring that is rich in some minerals, but not much iron. The plans for this area are to follow up preliminary findings with a pack drill to remove new samples from a depth of 50 feet maximum.



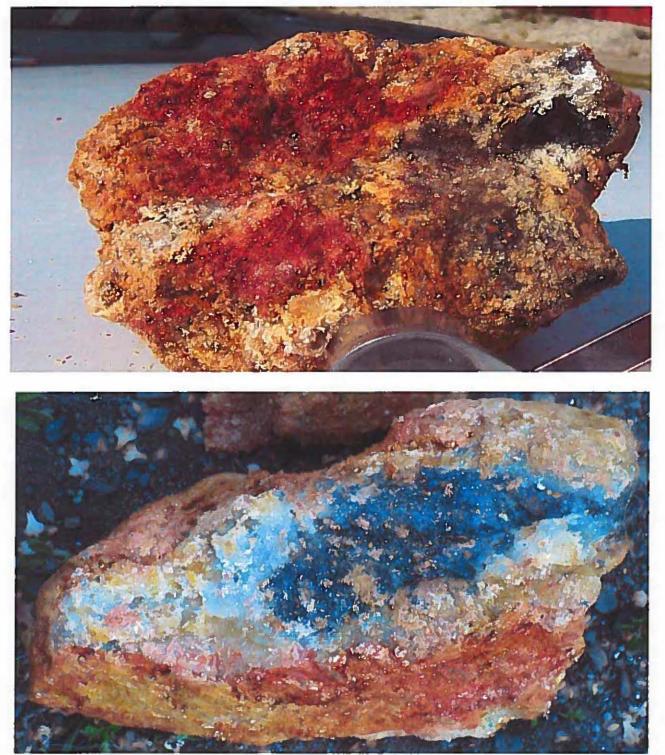
Samples taken from trenching into quartz veins on Coarse Gold Creek.



Samples from an un-covered vein on Coarse Gold Creek at Dominion.

# HRS -Hard Rock Shaft-and Paris

Both of these locations straddle Dominion Creek. Paris was a small town near here that had a post office from 1904 to 1943.<sup>11</sup> On the exposed south side of the creek we took samples from an existing placer shaft that cuts through veins of this black white and red material with the quartz.



Two examples from the "Red Zone", similar zones were located in 3 other locations, on the Paris and HRS claims to the mouth of Portland and an area up Portland Creek.

<sup>&</sup>lt;sup>11</sup> Pg. 222. Yukon Places And Names. R.C. Coutts, Moose Creek Publishing 2003.



Part of a 75 foot trench dug at location 036. Paris 4. Gold has been recovered from the calcite surrounding the quartz, with screening by the Exploration Manager. Sample 74 at 0.19 of a kilo, a rock like these, contains 59.2ppm Copper, 351ppm Manganease, 2.31 Iron and 134.6 ppm Gold. Samples 70 & 71 also contain high Manganease. 1395ppm Mn - 200 ppm Au & 3707ppm Mn - 8.8ppm Au respectively.

All the samples are taken from shallow surface and existing systems. These areas show definite potential. A small scale drilling program will be implemented here 2010. See assay report attached for first 32 samples sent out December 2009.

## Portland to Ridge

From the mouth of Portland creek, our staking extends to the ridge immediately east of Dominion Mountain, which is the head of Gold Run Creek. West to the head of Coarse Gold Creek & east to the head of Robinson Creek. By covering these claims we believe we have encompassed a vein system with potential for load gold.

During the 2009 season the existing road that goes up Portland was improved as well as extended. This summer tracks will be made to locate sample sites and vein systems. Samples will be taken from the "Pioneer Claim." Which from archives correspond to current claims GR 4 or GR 3.

"On the Pioneer mineral claim, outcroppings of white quartz occur for a distance of several hundred feet in a SE-NW direction from the ridge of Gold Run towards Portland Gultch where the vein is uncovered by an open cut, which is at an elevation about 300 feet above the bed of the gultch and a distant 1,2000 to 1,5000 feet from its right limit. The cut is 6 feet deep, made into the side of the hill and uncovers a vein 18 inches wide which dips 50 degrees NE, cutting the schists but striking with them."<sup>12</sup>

What is of interest from the excerpt of this report complied by McLean & a Canadian Geological survey crew in 1914, is the finding:

<sup>&</sup>lt;sup>12</sup> Pages 83-84. Load Mining in the Yukon by T.A. MacLean, 1914, and Report for Dawson Eldorado Gold Explorations Limited, Portland-Lion Creeks Area, Yukon / by J. K. Mortensen. 1984.

"Of 3 samples taken from the surface of this vein all three showed visible gold and galena in the quartz, all panned colors of gold, one assaying at \$34.90." I can only presume they carried a small sample out so I am ascertaining with monetary value change this was a significantly good reading.

A report by Archer-Cathro for the "Klun" claims done in 1983 by J.K. Mortenson Ph.D., covering the same area comes to the summary conclusion that: "Gold bearing quartz veins occur on the ridge crest in the northern part of the property and above the right limit of Portland Creek near the southern edge of the property. Assays as high as 1.75 oz/ton Au have been obtained from the vein material."

Our trenching during the 2009 season was confined to the lower areas along Portland Creek. 2010 will see drill samples taken with a pack drill on the ridges of Portland.

#### Robinson

The ridge of Robinson Creek (along with the 3 ridges west of it,) show several anomalies of hi-mag on the Magnetic Survey map Map of 2001. Magnitite and Manganease are very often associated with the placer gold in this area & the Klondike gravels in general as well as other Black Sand gold deposits around the world. Further trenching and perhaps drilling will be needed to remove depth samples from these anomalous areas.

Following another report of Mortensen for Archer-Cathro & Associates on the "Klort" claims<sup>13</sup>, 1984, we tracked the veins his team had uncovered as well as old workings described, to resample. We also did extensive trenching at the peak of the ridge and towards its right limit with Portland, which yielded veins of the same composition as those found on Caribou Creek, morphed foliations of chlorite, sericite, syenite and quartz with chalcopyrite and pyrites. See trenching sheet and assay results.

Mortensens findings listed several discordant veins in the southern part of the property, one giving fine colors of gold in the pan. The 5 other samples taken from these discordant findings also assayed trace amount of gold for them.<sup>14</sup>

Our findings from Robinson Creek Ridge Area conclude a definite vein system of the same type we see on Caribou Creek and parts of Dominion.

#### **Interpretation & Conclusions:**

For this project, Erini Petroutsas and Sylvain Montreuil did extensive in field prospecting to locate outcroppings, previous workings, trench locations and samples. We used an airborne multisensor geophysical survey map for the Stewart River area from 2001. We also used a magnometer, to find systems that are under the organic soils, some geo tools to reach the soil, as well as substantial trenching with a hoe excavator to recover some of the specimens sent for assay.

We intend to backfill our diggings and replace the organics on the surface, once we are finished in each location. We are very polite with all animal habitats and have never had a negative encounter. This year, more in depth sampling is planned to introduce the project to others with the means to carry out further exploration in the area.

All the systems shown on the gps-annotated map of February 2010 have good potential for lode mining according to their history, location and primary sampling results. In the Red Zone (RZ) on Paris 4, the calcite vein seems to be still "operating" bringing minerals with gold through hydrothermal activity. The RZ system "oozes" from the west.

From HRS to the mouth of Portland with Dominion the system alters like Sylvain has never seen

<sup>&</sup>lt;sup>13</sup> Dawson Eldorado Gold Explorations Limited, Portland Creek-Robinson Pup Area, Yukon / by J. K. Mortensen PhD., at Archer Cathro. 1984.

<sup>&</sup>lt;sup>14</sup> KLORT claims. 1984 assessment report done by J. K. Mortensen PhD., at Archer Cathro. 8 claims between the mouths of Robinson & Portland to their shared ridge.

before, from the powdery black red & white calcitic veins to manganese oxide, iron and heavy mineralization, to crystallized rose quartz veins coated in sericite.

A mapping of quartz veins will be included, as many varied and substantial veins crisscross the whole property, from the foliaform sericitic schist with pyrite, gold (assay # 18) and arsenopyrite in quartz. To quartz heavily covered with iron, on the ridges west of Caribou to a large area of black magnetite stained quartz coated in iron oxide, maganease and calcitic, sulpheric powder which also gave a surface reading of gold (assay #74).

Our hypothesis has been that the rich placer gold of Dominion and Gold Run Creek were partly sourced from this area. Our interest is to source producing veins that are relatively close to the surface in order to operate selective and specific mining with minimal negative environmental impacts.

#### **Sample Description**

The sample methodology used to collect rocks the 2009 season was surface prospecting using digging tools and rock hammers that lead us to trench locations where we could uncover the vein system to see it more clearly as well as take more in depth sampling.

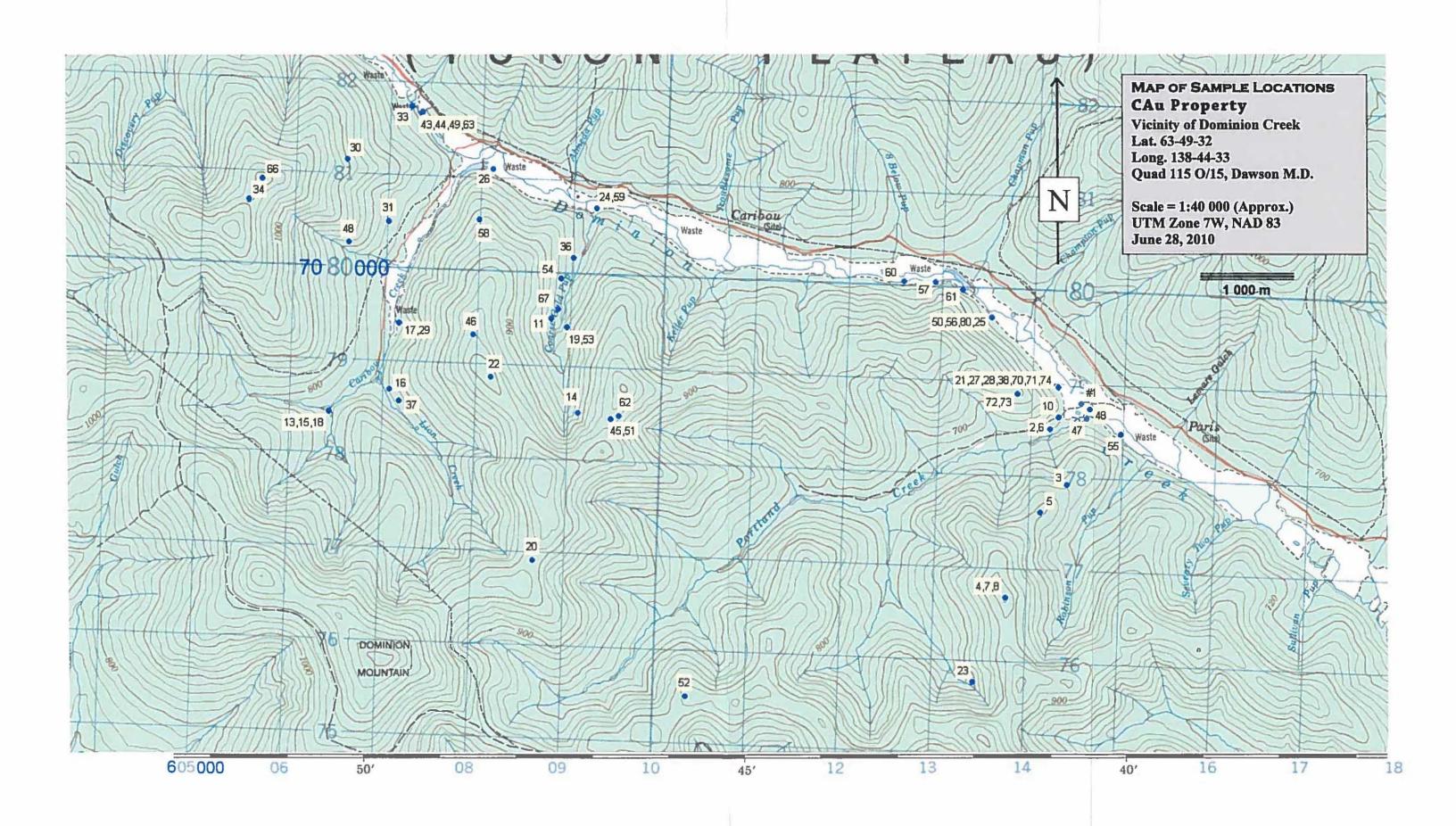
The rock of Dominion varies more than that of the other creeks in the district, the upper part cut through grayish Sericite schist of the Klondike series alternating with bands of greenish chlorite schist. The latter is fairly massive, in places is often filled with pyrite and magnetite in the central right limit. The Klondike schists are the same or sometimes replaced by biotite bearing schist, greenish schists and hard quartzose schists. Bands of dark graphite schists are also present.<sup>15</sup>

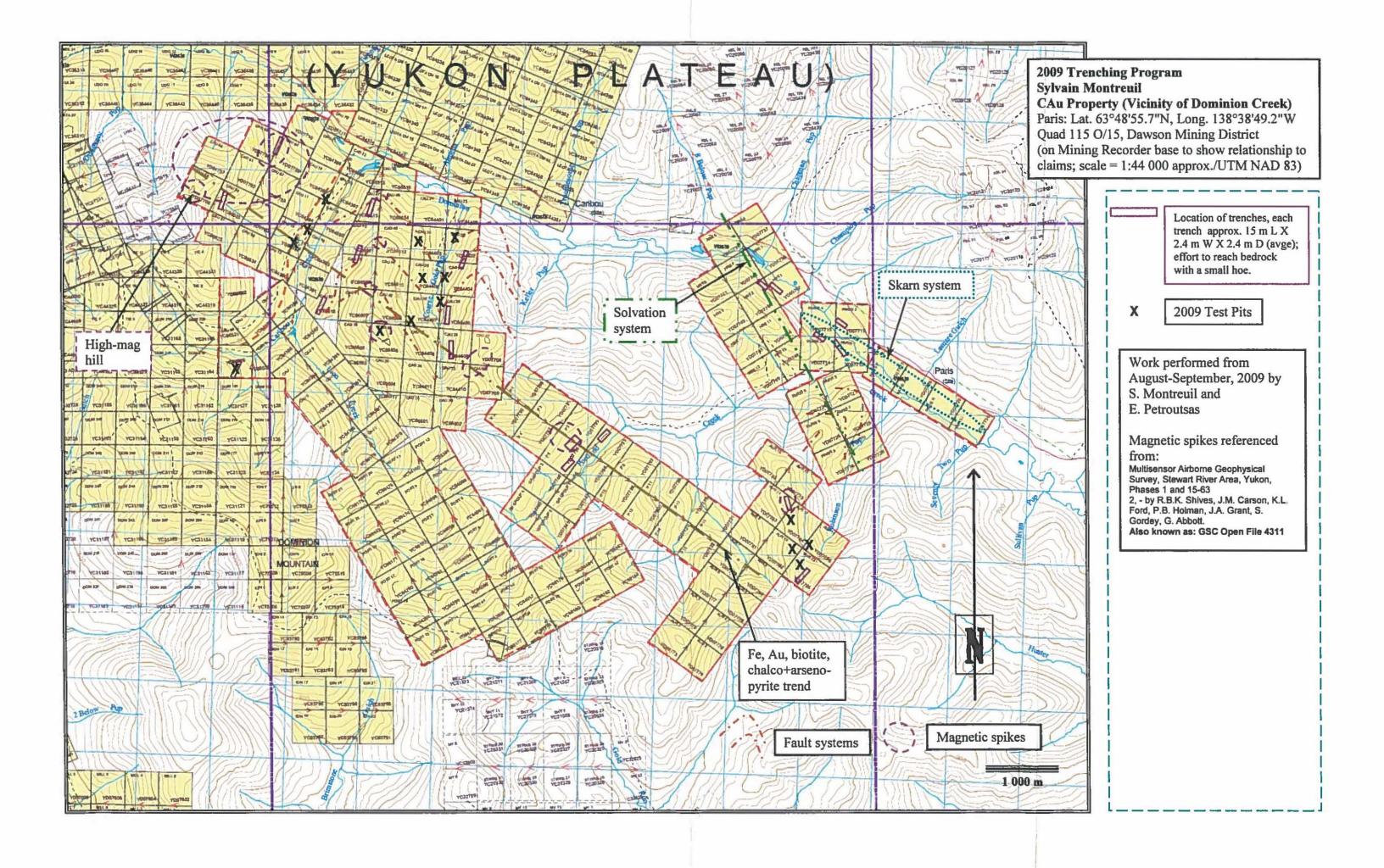
What we are observing with this project is the location of possible Secondary Replacement Deposits as well as truncating possible Hypothermal Veins cutting through the schists.<sup>iv</sup>

Further investigation of veins located will be conducted at greater depths during the 2010 season.



<sup>15</sup> J.K. Mortenson's Regioal Geology for reports on Dominion. See footnote 13.





Assay #	Sample Name	Location
1	Portland	Driveway
2	Portland	Survey Post
3	Robinson	R1 trench
4	Robinson	R4
5	Robinson	R3 Huron
6	M.P.	Trench at survey post P10
7	Robinson	R4
8	Robinson R4	R4 Looks like Jim Stewart stuff
9	Robinson	R4
10	Port trench	Survey Post
11	Cau	033
12	Crip	044
13	Caribou	End of road
14	Cau	030
15	Caribou	End of road
16	Lion	088
17	Caribou	029 QV
18	Caribou	End Arseno
19	Cau	O49 Galena O49
20	CauPort	CPNR North Ridge
21	Red Zone	-
22	Cau	Caribou Ridge O32
23	Vaga	-
24	Cau	Dredge tailing
25	HRS	035
26	Cau50	Dom(gps)
27	Red Zone	036
28	Red Zone	Arseno
29	Gps O29	Caribou QV
30	Cau64	Alphonse2
31	Caribou	Chiken House
32	Dave Farley	
33	HiMag Hill	Cau69 North Ridge
34	HiMag Hill	West red hill
35	Solor	P2
36	Cau	O5O trench by road
37	Lion	087
38	Paris	East minerals in calcite
39	Crip	
41	Crip	
42	Crip	
43	Cau 70	Trench A
44	C 70	P1 Dom 44
45	C.P. 056	Ridge
46	C.P. 70	P1 Cau 46
47	Mouth Port	
48	Paris	Mining pit center, where creek is now

49		Cau 70		P1			
50		HRS 1					
51		CauPort		054			
52		AUR		P3-4 QV			
53		Cau		Near spring O	48		
54		050		Slide by road			
55		049		Float			
56		HRS 1					
57		Klo-clo					
58		C48		N.S. 048			
59		24 Cau		P1			
60		Clo					
61		Klo					
62		CauPort		South Ridge			
63		Cau 70		P1 trench			
64		Bordeleau					
65		Bordeleau		_ *			
66		HiMag Hill		Plateu at top			
67		28 Cau		P1			
70		Paris		Red Zone			
71		Paris		Rz			
72		Paris		Rz			
73		Paris		Rz			
74		Rz		calcite			
80		HRS		Very nice full	pyrites 035		
				72 samples se	elected for Ass	ay	
	3		21		34	47	71
	7		22		37	48	74
	9		24		38	50	75
i i	14		26		39	53	80
	16		27		41	55	
Ì	18		28		43	62	
	19		30		44	70	
				32 samples su	ibmitted Dec.	09/09	
	5		18		49		
	8		29		51		
1	10		33		56		
	12		45		57		
	13		46				

14 samples submitted 14 June/10

# Trenching 2009

	Deep	Wide	Long	Gps Location
Caribou Creek	10	10	20	1 (At hole)
Caribou Creek.	20	10	20	2 (chicken coop)
Caribou Creek	8	15	15	3 (End of Caribou, EC)
Caribou Creek	5	5	15	4 (Where road ends)
Coarse Gold Creek	4	3	100	030 (Green Ox & Q)
Coarse Gold Creek	3	3	10	031 (Frozen)
Coarse Gold Creek	10	3	10	033 (At shaft location)
Coarse Gold Creek	5	5	10	034
Coarse Gold Creek	8	5	100	032 (White channel & Qv)
		20 S. 12		
Hard Rock Shaft		e of shaft		035 (Calcite vein, green schist)
Hard Rock Shaft	4	3	100	036 (Red Iron Ox & Qv)
Dominion at Portland	3	4	75	037
Portland Creek	10	5	100	038 (Left ridge road)
Portland Creek	15	4	8	092 (Bottom of hill)
Portland Creek	8	8	30	060 (Looking for contact)
Robinson Creek.	Test Sc	•		RS (Pictures 108,132,137)
Robinson Creek	6	6	45	R1 (Barrel leads)
Robinson Creek	8	4	30	R2 (Southeasterly Quartz)
Robinson Creek	8	6	30	R3 (Southeast striking vein)
Robinson Creek	10	15	45	R4 (AuR13) North Side of outcrop
Robinson Creek	6	6	8	(South Side of R4 hill peak)
Dominion	6	6	8	042 (Dominion near Portland)
Dominion	6	6	8	043 (Dominion near Portland)

A sample from near the old shaft on HRS claims with identified Chalcocite a mineral occurring distinctly in disseminated hydrothermal replacement deposits.<sup>16</sup>



Foliated samples from veins on Dominion, Caribou & Robinson Creeks.

# **Statement of Qualifications**

Sylvain Montreuil:

Has been chasing quartz veins for a long time in the Klondike drainage and Indian River, also 60 Mile, Stewart, Peel and Porcupine rivers. Sylvain came here in 1985, attracted by the geology and nature. He has been involved in the prospecting finds and mining of successful mines all over the Klondike Plateau. References can be provided.

During a 30 year prospecting career he has been called upon to stake claims, perform surveys, carry out soil & rock sampling programs and assist geologists with scintillometer and magnometer surveys. For clients as well as on his own ventures he has been responsible for claim recording and groupings, exploration programs and general property management to maintain claims in good standing by shafting, trenching or drilling.

A ticketed heavy equipment mechanic, welder and millwright, Sylvain is a handy man to have in the bush as well as a passionate observer of the earth formations and geology that leads to mineralization, especially gold in the Klondike.

## Erini Petroutsas

Has been employed 7 consecutive summers as a prospector in the field and now works as a geotech. I am a silent partner in this venture, which I view as an educational experience as well as potential business opportunity.

This report has been read and approved by:

<sup>&</sup>lt;sup>16</sup> Pg 359. The Audubon Society Field Guide to North American Rocks and Minerals. See footnote 4.

<sup>1</sup> Bostock, H.S., 1966. Notes on Glaciation in Central Yukon Territory. Geological Survey of Canada. Pg 18 Hughs, 1969. Glacial Limits & Flow Patterns. Geological Survey of Canada Paper, 68-34. Duk-Rodkin, A., 1999. Glacial Limits map of Yukon Territory. Geological Survey of Canada, Open File 3694.

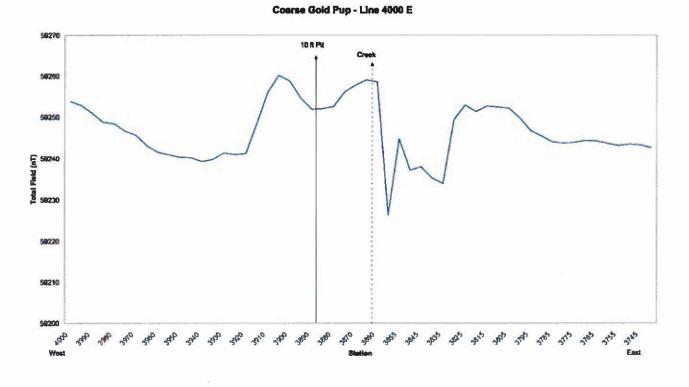
<sup>11</sup> Yukon Placer Database Operations Report, Yukon Geological Survey. Last Update: 21-Mar-2005 Field Name: Favron Enterprises Ltd., 1983-2002 \* The gold recovery reported is not specifically from Coarse Gold Pup, but from the surrounding area from placer findings.\*

"At the property, (located approximately 2,000 feet downstream from Caribou Creek), the valley is wide. Deposits on the low left limit terrace consist of 17 feet of silt and clay overlying 3 1/2 feet of reddish brown gravel. Deposits on the right limit consist of 50 to 60 feet of black muck overlying a thin layer of gravel. The left limit terrace was previously open-cut mined by earlier hand miners. From 20 - 30 feet of frozen black muck and silt was stripped from this property. The muck layer started about 10 feet above water level. The sluice section was 3-4 feet of gravel and 1 foot bedrock. Old shafts were present in all cuts. Some bones and ivory were found.

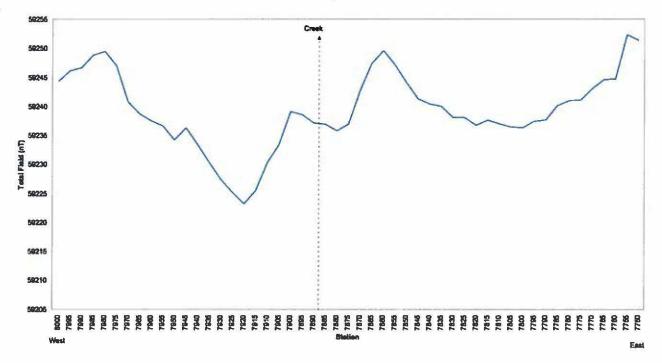
Ninety percent of the gold was -10 mesh, and the remaining 10% can range up to raisin size, with larger nuggets being quartzy. Fineness was 820.

A cut downstream of Coarse Gold Pup had 5 to 6 feet of muck, 24 feet of clay and an average of 10 feet of gravel. All the gravel was sluiced. The gold is flat, smooth or rough, and has a fineness of 820. Some rough pieces with quartz were recovered with some smooth pieces. Most was fine and flat (-10 mesh), and fineness was 820. In 1990 a few 1/4 inch nuggets were found. In 1995 gold recovered was described as mostly flat with occasional smooth or rough appearance, dull yellow in color. 90% of the gold was -10 screen the remaining 10% can range up to raisin size, any larger nuggets being quartzy. Fineness was 82%. In 1998 and 1999, gold was fine and flat. It was bright, with some quartz. No nuggets were recovered, and the gold fineness was 820. In 2000, mostly flat gold with occasional smooth or rough appearance was discovered. It was a dull yellow in color."

<sup>iii</sup> Spikes to the right of the creek correspond to the old drill locations we investigated.



Coarse Gold Pup - Line 8000 E



<sup>iv</sup> Pg 779, The Audubon Society Field Guide to North American Rock and Mineral. Charles Chesterman and Kurt Lowe. Alfred A. Knopf, Inc. 1993.

Secondary Replacement Deposits –Hydrothermal veins and replacement deposits, because they are often rich in a wide variety of sulphide minerals, are readily altered to produce a large number of brilliantly colored species. Chalcopyrite, bornite, galena and sphalerite, (are minerals that can be visibly identified on CAU specimens).

The upper leached zone is referred to as the oxidized zone, because it is here the oxygen in the downward seeping water causes chemical reaction to develop new sulfide materials and the zone in which these develop is called the enriched zone. So far this information paired with our finding lead us to believe the red zone is a potential secondary replacement deposit.

The "Green Foliation" veins traversing the property show visible identified arsenopyrite, calcite, chalcopyrite, galena, gold, molybdenite, sericite, sphalerite, syenite and of course quartz. An interesting zone that due to it's abundance, fold and thrust degrees open possibilities that that it may be hypo, meso or epithermal veining appearing through uplift and erosion.

Item	Details	Description & Unit Costs	Total Cost
Labour	April 26th-30th	5 days. Sylvan Montrueil, Exploration Manager \$350/day /a day & Erini Petroutsas, Assitant, \$275. EM & A. (\$625 per day for team.)	3,125
	*Note*	Though sole owner of the ground, Sylvain is making special is lost wages to him in addition to his work plus the camp, he	
Labour	May 4th-9th	5 days. Em & A. Prospecting Cau claims for rock samples & previous workings.	3,125
Labour	May 16th	1 day. EM & Ron,( \$275 a day). Reclamation. Set up camp, cleanup previous garbage.	625
Labour	May 21st-29th	8 days. Intensive prospecting of Cau & Caribou claims. Collecting rock samples. EM & A	5,000
Labour	June 2nd-5th	4 days. Prospecting Cau claims CAu, Lion creek & Carlbou. Rock samples & vein locations. EM & A.	2,500
Labour	June 13th-18th	5 days. Sampling & prospecting high mag ridge and head of Coarse Gold creek. Locating old trails & previous workings. EM & A	3,125
Labour	June 23rd-24th	2 days. Continuation of sampling and accessing heads of Caribou Lion & CoarseAu Creeks. EM.	700
Labour	July 2nd	1 day. Rock sampling from located veins on ridge west of Caribou Creek. EM & A	625
ATV 4x4	May-June	\$1,500 month	3000 Total Renewed Feb 1st/10 \$21.825
abour	July 20th-22nd	2 days. Ridge between Lion & Coarse Creeks, sampling of CAu claims 37-40. Em & A.	1,250
.abour	July 29th-31st	3 days. Classifying, cleaning & organization of rock samples collected. EM & A.	1,875
abour	August 3rd-5th	3 days. Exploration of Paris 1-4 claims by foot & quad searching for quartz veins. Rock sampling. EM	1,050
.abour	August 13th-16th	3 days. Rock sampling & exploraton of HRS 1-2 claims to find prior workings & potential outcrops to use hoe on. EM.	1,050
abour	August 18th-20st	4 days. Exploration & rock sampling, by foot on P1-P14 claims. Portland Creek. EM & A.	2,500
Labour	August 24th- September 1st	8 days. Em operating hoe on claims. Cau 15-30, 39-42, 45,47,52; HRS 1-2; P5-7 and AuR 10-14.	2,800
		Assistant on quad.	2,200
Labour	Sept. 9th-15th	7 days. Sample Classification. Exploration Manager.	2,450
Samples	76 samples <b>selected</b>	46 Samples submitted and 30 more leaving. *Samples sent for collected field rocks, that are screened by pulverization and	
	Total Labour Cost	Yet to be applied.	15,175
ATV 4x4	July-August 2009	\$1,500/month.	3,000
Fuel	May-August 2009	4 months. Sales report invoice included.	1,930
		-	

Hoe Information : Rubber track 2009 Komatsu model 888 (medium size). Operating 8am to 8pm everyday on specific claims. Travel time not included.

Hoe	August 22nd-23rd	Moving the hae over the summit from Lucky	
Hoe	August 24th	Hoe on Caribou Creek CAU 15-20. (Trench information Figure 1.)	1,620
Hoe	August 25th	Trenching and test pits CAU 25-30	1,620
Hoe	August 26th	Hoe on Coarse Gold Creek.CAU 39-42. 12 hours.	1,620
Hoe	August 27th	Between Coarse & Caribou Creeks. CAU 52,43,45 & 47.	1,620

2009 Labour Costs

Item	Details	Description & Unit Costs		Total Cost
Hoe	August 28th	Hoe on Dominion, HRS 1 & 2 (old shaft). 12 hours.	1,620	
Hoe	August 29th	Left ridge of Portland, P5-7. 12 hours.	1,620	
Hoe	August 30th	Trenching at Dominion near Portland. Paris 1-4	1,620	
Hoe	Sept. 1st	Robinson Ridge. AuR 10-14.	1,620	
Hoe rented	i from Ross Weit	zel at a charge of \$135 per operating hour, not including fuel	or operator wage. Travel time was exchanged	
for machine	maintenance by S	Sylvain.		
Total Hoe I	Rental Cost	8 days. Hoe specifics on trenching sheet.	12,960	
Assay Cost	3	32 samples sent Dec./09 to Acme Labs, Vancouver 14 sample sent June/10 to Acme Labs Vancouver	1200 560 <b>1,760</b>	
Tota	al Cost 2009/10	Remaining to be applied.	\$ 34,1	125
				\$56,650

ACME ANALYTICAL L Client: File Created: Job Number: Number of Samples: Project: Shipment ID: P.O. Number: Received:	ABORATORIES L Petroutsas, Erir 15-Jan-2010 VAN09006325 32 None Given 22-Dec-2009		F	inal Repor	t		
	Method	WGHT	1DX15	1DX15	1DX15	1DX15	
	Analyte	Wgt	Мо	Cu	Pb	Zn	
	Unit	KG	PPM	PPM	PPM	PPM	
	MDL	0.01	0.1	0.1	0.1	1	
Sample	Туре						
19	Rock	0.31	0.5	6.0	3861.2	18	
47	Rock	0.22	1.3	8.6	25.0	55	
62	Rock	0.14	0.7	21.4	14.9	29	
74	Rock	0.19	0.5	59.2	41.7	224	
7	Rock	0.26	0.5	11.1	30.1	7	
3	Rock	0.23	0.1	7.3	8.9	12	
9	Rock	0.21	2.1	13.3	17.5	10	
27	Rock	0.25	0.2	85.1	20.2	788	
14	Rock	0.20	0.3	30.1	1.9	17	
22	Rock	0.15	0.3	10.4	8.8	42	
24	Rock	0.27	0.2	6.7	10.4	24	
53	Rock	0.23	0.5	3.9	3.8	5	
39	Rock	0.23	0.8	24.4	1.2	7	
50	Rock	0.27	0.5	48.5	23.2	15	
28	Rock	0.21	0.4	38.0	11.3	127	
44	Rock	0.15	1.1	15.8	490.3	53	
43	Rock	0.20	2.2	56.2	124.8	138	
18	Rock	0.24	17.2	3 <mark>51.9</mark>	-566.1	845	
71	Rock	0.18	0.3	14.8	48.4	164	
30	Rock	0.21	0.5	1.9	2.5	3	
38	Rock	0.17	1.8	13.5	30.3	40	
70	Rock	0.25	23.9	67.3	21.1	128	
48	Rock	0.21	0.3	32.5	5.6	405	
55	Rock	0.22	4.6	242.1	5.2	63	
37	Rock	0.17	0.4	16.7	12.2	19	
26	Rock	0.22	0.7	3.4	5.0	19	
34	Rock	0.21	0.7	1.0	1.3	5	
21	Rock	0.19	5.1	45.9	14.2	56	
16	Rock	0.22	6.4	8.4	38.8	11	
75	Rock	1.23	0.8	33.4	14.6	62	
41	Rock	0.19	0.6	84.4	37.1	2868	
80	Rock	0.29	8.9	131.1	133.2	279	

\* \_ \*

	1DX1	5 1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	A				Fe		U	Au	Th
17	PPN				%		PPM	PPB	PPM
	0.				0.01	0.5	0.1	0.5	0.1
	11.	2 2.1	2.1	190	1.01	<0.5	1.1	17.1	6.8
	0.	3 17.3	14.3	338	4.07	3.1	1.3	8.2	8.2
	0.	1 3.7	3.4	184	1.38	<0.5	0.2	<0.5	0.4
	2.	0 4.1	5.1	351	1.41	9.9	1.6	134.6	9.1
	0.	1 1.1	0.5	62	0.94	241.7	0.9	4.9	13.7
	<0.1	25.1	7.0	174	0.85	1.3	1.8	4.6	21.5
	0.	1 0.7	0.4	62	0.56	89.4	6.3	1.4	17.9
	0.:	2 21.6	19.2	1768	1.94	1.1	9.2	2.1	11.1
	0.:	2 12.9	33.8	256	2.52	1.8	0.6	5.6	0.3
	<0.1	5.9	5.2	420	1.51	<0.5	0.9	0.6	6.8
	<0.1	1.2	2.4	80	0.80	0.9	1.7	<0.5	15.0
	<0.1	1.9	1.1	173	0.94	<0.5	0.4	0.7	1.5
	<0.1	4.4	5.4	3610	2.70	6.2	1.1	3.0	6.0
	0.1	1 20.5	16.7	199	3.43	7.2	3.1	3.3	3.4
	0.2	2 24.8	17.1	4476	1.80	2.2	1.4	1.2	9.9
	3.1	1 2.8	1.7	296	1.07	<0.5	0.6	6.6	2.4
	0.9	9 3.6	3.4	233	1.30	0.8	0.8	4.1	4.8
	4.0	0 4.7	5.2	298	2.31	12.9	1.6	163.6-	9.2
	0.6	5 18.0	16.5	3707	1.29	1.5	0.8	8.8	2.7
	<0.1	1.3	0.4	38	0.64	<0.5	0.3	12.7	4.1
	0.1	1 6.1	1.7	2115	1.28	<0.5	0.7	2.2	0.6
	0.4		14.2	632	2.74	23.2	2.2	5.2	6.3
-	0.6	5 14.4	10.2	1395	3.61	28.0	3.3	21.4	6.5
	0.4		71.3	533	4.37	1.9	0.3	2.9	0.2
	0.1	1 2.1	7.5	1702	1.80	<0.5	2.0	1.5	2.4
	0.1	5.5	4.7	348	1.77	1.7	1.8	0.5	7.1
	<0.1	0.6	0.4	51	2.08	<0.5	0.5 •	<0.5	9.0
	0.2		4.6	760	1.27	3.4	1.6	1.8	5.7
	0.8	3 5.0	5.0	665	2.02	1.7	1.2	2.6	9.5
	0.3	3 2.6	12.5	431	2.64	<0.5	0.4	1.3	3.5
	0.9			>10000	2.26	6.3	11.1	2.1	9.4
	1.2	2 19.8	130.4	1087	12.27	2.2	3.6	21.1	22.3

· ...

4074	- 1	DX15	1DX1	Б ·	1DX15		1DX15	1DX15	1DX15	1DX15	1DX15
1DX1 S		Cd		b	Bi		V				Cr
PPN		PPM	PPI		PPM		PPM		%	PPM	PPM
	1	0.1	0.		0.1		2				1
	1	0.1	0.	1	0.1		4	0.01	0.001	÷	•
1	2	1.5	0.	3	23.4	<2		0.04	0.017	10	6
10		0.3		4	0.3		14	0.33	0.058	22	17
	0 < 0.1		<0.1	<0.1			5	0.14	0.027	1	9
4			<0.1		0.1	<2		0.68	0.038	17	4
	2	0.3		3	0.3	<2		0.01	0.005	17	3
1			<0.1	<0.1			9	0.18	0.060	41	17
	3	0.3		1		<2		<0.01	0.007	17	2
2		14.4	0.	1	0.3		13	0.80	0.036	167	10
5		0.1	0.	2 < 0.1			51	1.21	0.168	2	20
	5	0.2	0.	1 < 0.1			4	0.08	0.034	10	7
	7 < 0.1		0	2 < 0.1		<2		0.15	0.017	28	2
	5 < 0.1		<0.1	<0.1		<2		0.34	0.003	3	6
	5 < 0.1			2 < 0.1			14	7.26	0.044	8	12
2	5	0.1	0	1	0.5	<2		0.69	0.008	8	5
6		5.9	<0.1		0.2	<2		2.22	0.031	61	4
3		0.8	0	1	7.1		3	0.53	0.016	6	7
1:	2	1.1	<0.1		1.7		4	0.11	0.030	12	8
4	4	18.9	0	2	3.3	<2		0.69	0.031	13	4
5	2	6.3	<0.1		1.1	<2		1.82	0.035	43	5
	2 < 0.1		<0.1	<0.1		<2		<0.01	0.003		4
4:	3	0.8	<0.1		0.3		13	2.48	0.100	2	8
2	3	1.6	0	2	0.4	<2		1.26	0.019		2
2	1	1.4	0	1	0.3		13	1.13	0.042	22	19
34	4	0.1	0	4 < 0.1			74	0.87	0.216	1	67
10	8	0.7	0	2	0.2	<2		2.24	0.051	13	4
5	1	0.1	<0.1		0.4		2	0.90	0.027		6
	2 < 0.1		<0.1		1.4	<2		0.01	0.010		3
2	3	1.2	0	2	0.1	<2		0.93	0.015		6
5		0.2	0	2	1.5	<2		1.57			4
2	C	0.2	0	1	0.7		22	0.70	0.052		8
35		79.7	0.	6	0.3		9	11.84	0.112	122	3
5		1.1	0	3	7.2		12	1.89	0.044	16	12

			4					
1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Mg	Ba	Ti	В	AI	Na	K	W	Hg
%	PPM	%	PPM	%	%	%	PPM	PPM
0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01
	5000							
0.01	78	0.002	1	0.12	0.036	0.07		0.02
0.97	25	0.041 <1		1.07	0.032	0.38		0.03
0.39	142	0.064 <1		0.58	0.011	0.07		<0.01
0.21	169	0.002	1	0.26	0.049	0.23	0.3	0.02
0.01	94	0.002 <1		0.18	0.052	0.08		<0.01
0.46	94	0.063 <1		0.50	0.088	0.08		<0.01
0.02	223	0.003 <1		0.25	0.055	0.18	1. The second	<0.01
0.86	92	0.076 <		0.96	0.053	0.55		0.01
0.52	759	0.275 <		0.84	0.086	0.16		<0.01
0.40	251	0.019 <1		0.64	0.030	0.28		<0.01
0.08	203	0.009 <		0.31	0.022	0.24		<0.01
0.01		<0.001 <		0.04	0.016	0.02		<0.01
3.08	3101	0.008	1	0.13	0.013	0.11	0.2	0.03
0.23	13			0.24	0.017	0.03		<0.01
0.94	28	0.002 <1	1	0.08	0.058	0.02		0.02
0.54	475	0.016	1	0.40	0.020	0.31	(H, S, S)	<0.01
0.61	238	0.034 <1		0.61	0.028	0.54		0.02
0.21	45	0.002 <1	1	0.19	0.040	0.17	0.4	0.07
0.71	23	0.002 <1	1	0.10	0.056	0.02		0.08
0.02	116	<0.001 <1	1	0.24	0.006	0.15	0.3	0.02
0.94	72	<0.001 <1	1	0.10	0.008	0.04		<0.01
0.27	45	0.003 <1	1	0.60	0.050	0.10		0.08
1.53	29	0.113 <1		1.51	0.010	1.36		0.18
2.76	103	0.393	2	2.60	0.020	2.14		<0.01
0.59	143	0.008 <1	1	0.44	0.045	0.10		<0.01
1.15	129	0.002 <1	1	0.26	0.022	0.13	<0.1	<0.01
0.08	81	0.001 <1	l,	0.42	0.009	0.25	0.1	<0.01
0.33	28	0.007 <1	1	0.19	0.039	0.03		0.03
0.68	91	0.017 <1	1	0.22	0.055	0.15	<0.1	<0.01
1.04	172	0.106 <1	1	1.15	0.013	0.87	<0.1	<0.01
1.78	30	0.002 <1	L	1.07	0.021	0.06	<0.1	0.03
3.88	19	0.024 <1		3.19	<0.001	0.26	<0.1	0.09

A

1DX15 Sc PPM 0.1	1DX15 TI PPM 0.1	1DX15 S % 0.05		1DX15 Ga PPM 1		DX15 Se PPM 0.5
0.6 <0. 4.0 0.9 <0. 1.4 <0. 0.6 <0. 2.5 <0.	0.3 .1 .1	0.06 2.93 <0.05 0.83 <0.05 0.05	<1 <1	1	<0.5 <0.5 <0.5 <0.5	1.6 7.9
0.6 <0. 4.5 3.0 <0. 1.0 0.3 <0. 0.3 <0.	0.2 .1 0.1 .1	<0.05 1.11 0.10 0.11 0.31 <0.05	<1	2	<0.5 <0.5 <0.5 <0.5	1.4
5.8 <0. 0.6 <0. 1.0 <0. 0.7 1.1 1.5 <0.	.1 .1 0.1 0.2	0.06 3.24 1.45 0.18 0.57 1.95	<1 <1 <1	1 2	<0.5	4.7 0.9 2.2 0.9
0.7 <0. 0.1 <0. 1.8 <0. 0.7 <0. 1.5 1.6	.1 .1	0.89 <0.05 0.26 2.53 2.51 1.18	<1 <1	4	<0.5	1.2 1.5 2.3 3.5 0.6
0.9 <0. 0.6 <0. 0.3 <0. 0.5 <0. 0.7 <0. 1.4 1.3	.1 .1 .1	0.77 0.68 <0.05 0.95 1.29 0.61 5.99	<1 <1	1 2 4 2		0.9 0.6 0.7 1.0 0.8 1.1 4.6
1.7		>10.00		11		11.5

ACME ANALYTICAL LABORATORIES LTD.			Final Report				
Client:	Petroutsas, Erini						
File Created:	28-Jun-2010						
Job Number:	WHI10000011						
Number of Samples:	14						
Project:	None Given						
Shipment ID:							
P.O. Number:							
Received:	16-Jun-2010						
	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag
	Unit	KG	PPM	PPM	PPM	PPM	PPM
	MDL	0.01	0.1	0.1	0.1	1	0.1
Sample	Туре						
5	Rock	. 0.22	0.2	17.1	91.2	2	1.6
8	Rock	0.19	0.1	37.7	7.0	39	0.2
10	Rock	0.20	0.1	3.5	15.3	30 <	
12	Rock	0.19	0.3	21.2	18.1	24	0.4
13	Rock	0.23	0.2	5.6	12.5	24	0.2
18	Rock	0.18 <	0.1	1.5	31.8	8 <	0.1
29	Rock	0.24	0.2	8.1	9.4	23 <	0.1
33	Rock	0.23 <	0.1	5.1	13.8	13 <	D.1
45	Rock	0.23	0.1	6.0	24.8	29 <	D.1
46	Rock	0.24	0.2	7.5	13.3	18 <	0.1
49	Rock	0.19	2.1	49.1	133.8	167	1.1
51	Rock	0.21	0.3	7.4	13.0	13	0.2
56	Rock	0.22	2.0	44.2	30.8	56	0.2
57	Rock	0.27 <	0.1	4.1	2.9	8 <	D.1
		+					

\*

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| 1DX15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    |
| PPM   | PPM   | PPM   | %     | PPM   | PPM   | PPB   | PPM   | PPM   |
| 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
| 1.9   | 2.8   | 56    | 0.97  | 4.6   | 2.3   | 11.3  | 0.7   | 5     |
| 0.9   | 9.0   | 372   | 3.49  | 3.6   | 0.5   | 4.6   | 3.0   | 23    |
| 1.7   | 2.1   | 198   | 1.14  | 1.0   | 0.9   | 0.9   | 14.6  | 11    |
| 4.4   | 8.2   | 683   | 1.61  | 2.2   | 2.4   | 3.2   | 14.4  | 59    |
| 2.9   | 5.3   | 373   | 1.43  | 8.6   | 1.5   | 15.2  | 8.0   | 45    |
| 0.3   | 1.4   | 135   | 0.34  | 2.6   | 0.5   | 0.7   | 15.4  | 2     |
| 2.5   | 2.1   | 101   | 1.01  | 10.5  | 1.5   | 4.1   | 7.3   | 11    |
| 0.9   | 1.0   | 112   | 0.50  | 0.8   | 0.3 < | 0.5   | 6.9   | 5     |
| 0.8   | 0.6   | 59    | 0.45  | 75.7  | 1.5 < | 0.5   | 11.7  | 2     |
| 2.2   | 1.5   | 109   | 0.76  | 4.5   | 1.6 < | 0.5   | 17.9  | 7     |
| 3.8   | 4.6   | 247   | 1.75  | 2.7   | 1.3   | 4.6   | 7.9   | 11    |
| 2.3   | 2.7   | 104   | 1.30  | 10.5  | 4.9 < | 0.5   | 8.4   | 25    |
| 3.6   | 6.3   | 100   | 1.28  | 1.3   | 2.5   | 4.6   | 17.0  | 13    |
| 0.6   | 0.7   | 71    | 0.57  | 0.5   | 5.4 < | 0.5   | 19.7  | 36    |
|       |       |       |       |       |       |       |       |       |

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11	DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01
	0.1	0.1	3.0	2	0.01	0.003	2	7	0.02
	0.1	0.4	0.1	84	0.54	0.095	5	3	1.24
<0.1		0.1	0.2	6	0.09	0.038	25	6	0.14
	0.7	0.2	0.7	2	1.60	0.080	26	3	0.71
	1.0	0.1 <0.	1 <2		0.70	0.036	14	4	0.19
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	0.2	0.1 <0.	1 <2		0.06	0.020	14	6	0.02
<0.1		0.2 <0.	1 <2		0.06	0.031	12	4	0.04
	0.2	0.2 <0.	1 <2	<	0.01	0.006	26	5	0.02
<0.1		0.1 <0.	1 <2		0.04	0.014	22	3	0.11
	1.2	0.1	1.9	6	0.11	0.040	19	10	0.75
	0.3	0.2	1.0	4	0.11	0.041	7	5	0.13
	0.2	0.1	1.3 <2		0.13	0.026	29	5	0.53
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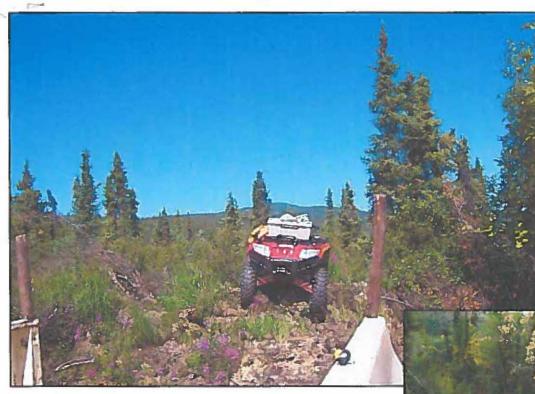
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Photos taken by Erini Petroutsas





Trailhead above Coarse Gold Ck, near High Mag Hill, King Solomon Dome in background, looking north

Digging a pit in a disturbed area





Trenching in vicinity of Paris, in skarn zone

Vol.2

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095298

Quartz Assessment Filing for CAu claims.

Paris 5-10

Paris P, A, R, I

AuR 15-16

12 claims.

On and near Dominion Creek and Robinson Creek.

Claim Owner: Sylvain Montrueil

1.4

Map Sheet 1150 15

File to be attached to Assessment Report for CAu claims submitted July 2010.



#### Introducton

This report compiles works done by Sylvain Montrueil, the Exploration Manager as well as owner of the CAu claim grouping that these claims are a part of.

From July 16-19 2010, Mike Glynn, geologist, stayed at the camp on Coarse Gold Creek and was taken to different trenches and locations to observe and analyze local formations uncovered by Sylvain Montrueil and Erini Petroutsas through hoe and hand trenching.

His notes are included and a more detailed report by him, will be attached to the groups assessment report, when it is finished.

#### <u>Costs</u>

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July 16-19	4 days@ \$500/day Mike Glynn wage2,000
	4 days@ \$150/dayMike Glynn truck renta!600
	4 days @ \$350/day Exploration Manager wage1,400
	4 days @ \$150/dayQuad rental from Erini Petroutsas600
	4 days @ \$50/dayCamp Costs200

Total Costs for Prospecting on stated Dominion claims near Portland & Robinson July 2010- \$ 4,800

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INVOICE 420103 OUR NUMBER DATE JULY /20/ 2010 CUSTOMER'S ORDER ATT: MICHARL GLYNN SYLVAIN MA SOLD TO ADDRESS Box # 360 ADDRESS DANSON CITY, Y.T. YOB 160 DAWSON CITY YUKAN . FO.B TAX REG NO SALESPERSON TERMS VIA PRICE AMOUNT QUANTITY DESCRIPTION PROJECT: AUR CLAIMS #15+16 PARIS CLAIMS # 5 TO #10 INCUBINE DAWSON M.D. 115-0-15 (NTS) PROSPECTING, SAMPLING, MAPPING + TRENCHING 2,000 00 4 DAXS ×\$500~ JULY 16 TO 19 INCLUSINE, 2010 TRUCK JULY 16 TO 19 × \$150/DAY BODSE GST PST TOTAL PANABLE THIS INVOICE -TOTAL 2,600 00 BBLUELINE' DC 31

#### **Statement of Qualifications**

# Sylvain Montreuil: Q.P

Has been chasing quartz veins for a long time in the Klondike drainage and Indian River, also 60 Mile, Stewart, Peel and Porcupine rivers. Sylvain came here in 1985, attracted by the geology and nature. He has been involved in the prospecting finds and mining of successful mines all over the Klondike Plateau. References can be provided.

During a 30 year prospecting career he has been called upon to stake claims, perform surveys, carry out soil & rock sampling programs and assist geologists with scintillometer and magnometer surveys. For clients as well as on his own ventures he has been responsible for claim recording and groupings, exploration programs and general property management to maintain claims in good standing by shafting, trenching or drilling.

A ticketed heavy equipment mechanic, welder and millwright, Sylvain is a handy man to have in the bush as well as a passionate observer of the earth formations and geology that leads to mineralization, especially gold in the Klondike.

#### Erini Petroutsas

Have been employed 7 consecutive summers as a prospector in the field and geotech; Diploma from Yukon College in Business.

I am a silent partner in this venture, which I view as an educational experience to enhance my knowledge of geology and geography by research and recording.

All information in this report taken from sources has been footnoted. Opinions and classifications have been obtained from Yukon geologists.

hun Petroutsus

Vol. 3

095298

August 5, 2010

**Geological Assessment Report** 

## Work Applied to claims:

Paris 5-8 YD07723-26 Paris 9-10 YD07734-35

> Paris P, A, R, I YD07727- 30

### AuR15-16 YD07732-33

12 claims

On and near Dominion & Robinson Creeks Map Sheet 115 /O15 UTM to access: 608000/7081000

#### **Dawson Mining District**

Claims Owner: Sylvain Montrueil Report Composed by: Erini Petroutsas

RECEIVED AUG - 52010 STATION CITY OF NO

## **Table of Contents**

Introduction & Objectives History	Pages
Geology	3
Geological Data	4-8, 11-14
Claims Map	9-10
Expenditure Statement Conclusion & Recommendations	15
Statement of Qualifications	16

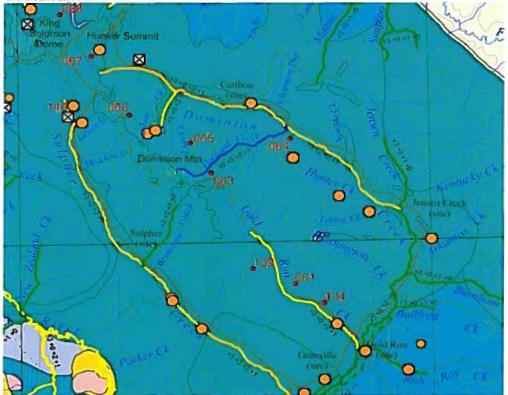
#### Introduction & Objectives:

Mike Glynn a local prospector with over 20 years experience in the field was taken to the PARIS & AuR sections of the CAu claims Grouping. Previous diggings by Sylvain Montrueil were examined and sampled at depth.

#### History:

The Coarse Gold (CAu) property comprises 166 claims encompassing 18.46 acres, 7.47 hectares on an un-glaciated portion of the Klondike Plateau near Dawson in west central Yukon, Canada. This block of claims was the focus of an exploration program during 2009-10 funded, staked and worked by Sylvan Montrueil and Erini Petroutsas.

The claims lie over placer leases that have been heavy gold producers<sup>1</sup>, but very little hard rock exploration has been done over the last century even though the location is central to where the "mother load" of Dominion, Sulphur and Gold Run Creeks is presumed to exist. This report is a compilation of previously reported work on the claims and a detailed description of the 2010 work program that will focus on following up leads from assay results showing gold.



Geology: YTp- Plutonic rocks superimposed on Nassina & Klondike Schist Subterranes.

<sup>&</sup>lt;sup>1</sup> Resource Appraisal Map for Placer Gold in the Stewart River & Dawson Areas. G.W. Lowey, S. Deforest and P. Lipovsky. Indian and Northern Affairs Exploration & Geological Division. 2002. Open File 2002-6.

See also: Percentage of Total Placer Gold Production (1978-2003) By Region. Bill LeBarge, *Placer Geologist, Yukon Government*. Open File 2001-34.

Geological Data Description: Sampling with Mike Glynn on CAu Group. July 16, 2010. Assay results attached Sept.1, 2010 report.





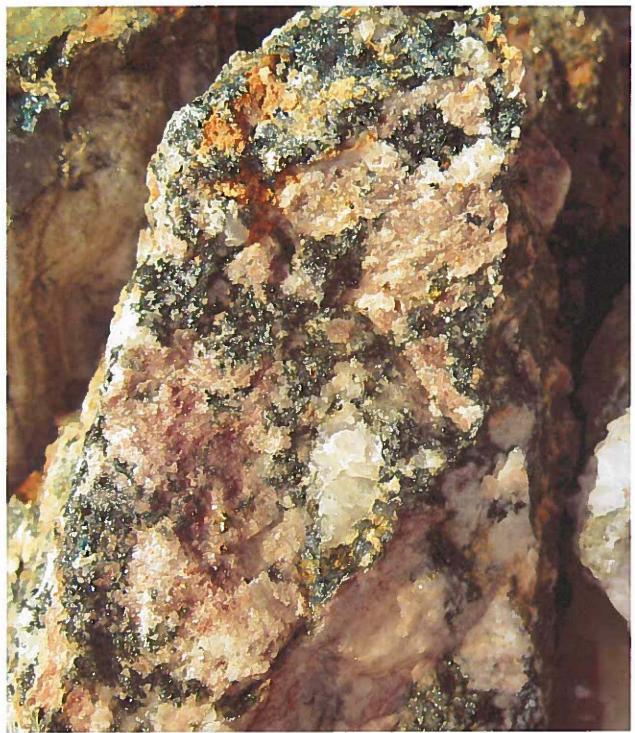
Robinson Creek trenches.



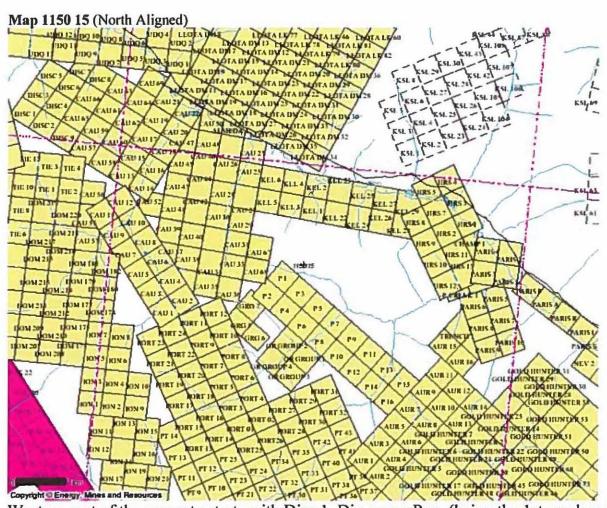
Paris 3 claim, Red Zone in distance.



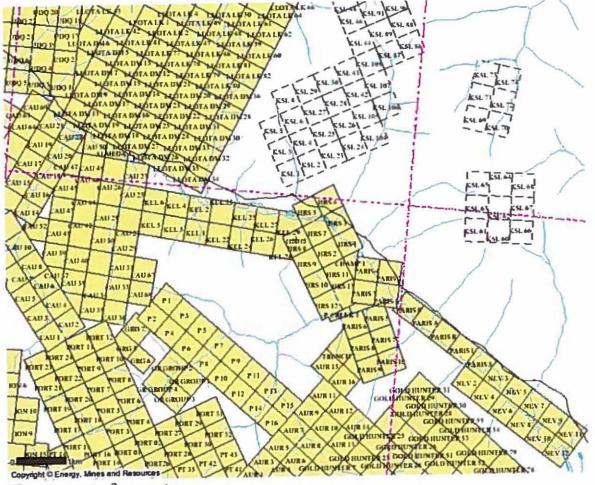
Area of talc contact with graphitic faults. TL Zone.



Rose quartz, chloritic schist, calcopyrite, calcocite. HRS1, (Hard Rock Shaft)..



Western part of the property starts with Disc 1. Discovery Pup, (being the 1st creek gold was found on Dominion) & the head of Dominion Creek.



Eastern part of property.

### Geological Notes: Mike Glynn, July 16-19th, 2010

E: 060 7442 JULY/10/10 SHE # N: 7080535 JSMOS & FAME LOCATION IS JSMOZ # 17/200 INSITU TESERTER DIRK. STIMPIE BUTTE SCHIGT . DIKE LIKE SHANNE LESS ALT OTZ AND SCHREDOFT. B.R. STRIKE N- 30 al issay WSW) WEST DIPPING C= 20 GAR CAROV & BULL OTZ WEIN QTZ MUSS. SIMST - 2ND Q12 SUB CROP FROM S.M'S AT 2009 BESINE PLACE MUNICS GOOD IN CAPICA GAREIA BLER ~ CHUR PY P. LIMPARITE ZONAS Albune Almedderzations Some Continues of CILLER B FY + 1108 LECT - HELPY Mol-ON GAL. E: 0607096 A INISITU QTZ MUSE SEWIST OTE LICH + 2 Met Q72 in standing N: 7079261 Fet Pyteris 10.313 ... Mate M. S. m. Plan ILROWS - PARED IN CED Pack INSTU ROD PD Bars. Pan S. Als SERLITIC ? TReira 2009 Foundry Branz Marc Act PO F:060791 SCHIST WITH 2-SCM WIDE GIZ VEN 11: 7081214 X455,1.1 GALERA, I' PANTALI CONCENTRATES -SAMPLE IMP 54.11. 17 @ VEHA ALAPON + Nonio Mac. Pames E: 0607442 N: 708055 Cau PH Stuleë SMOZ - INSAG GEBERNER E: 0606445 1414 NI 7078450 OTZ MUTUBIOTITE SCH + 50% - 012-HPER IN SCHAMEN TI CHLYY. Mor 611 INT MIN - 79

To see details of samples selected see Sept.1, 2010 geological report for HRS&GRGroup along with assay results.

MLJ. LLAMS. 5-10 2 PARIS CLAIMS JULY 1 10 E: 613684 15+16 AUR CLAIMS 74/ UTM: E: 0615779 N: 7077164 N. 70766 75 23MA-CENCH & 9M Lense 1.7514 & RAM +5CM CONTINUOUS CMP Witte ~ 3M ARP Shinkles & WHILL Port 1 Dy EXPOSEMUSS CIM WITE GT2 VEM - SEE PHOTOS - GUTTING ATZ ANY BOUNTED QTZ VEIN STURES 200 FELDSATIOD HUMDINE SCHISTS CLOSE TO LEXINGE DID MEGIN - BEDING IDENTICAL ON EIDERE SIDE SLATIONS IN JTZ VEIN WHR IMMENT OF QV. with ussi while . Sohring Takey PARUPICULAR TO VEIN. SULPHOUS INCLOSE PY GALT MAN SIME CONSTITUTE COMPANY SIMMES (C OV STRUES ZOR (55W) PIPS NEAR USATILAL (70°) TO THE ENST (100" 32 Burs of MANEALIZANING ASN'17 - MIN IN WEST MORE 6: 3612 351 15 0 N: 7077483 wire Soul ICH LING X Zisin Timer. PEEL. R2M TRENCH 3.2M LONG 1.5M WALL PAR LEE CITZ KISLIE + NO SAMILE TAKEN + REY SHH SUISTE OT TOUSPATHE & TO MYURC VARIABLE FORMADO KLONDYLE SCOTT Some Succes of Q72/Encl

(3) (4)E: 0614051 E. 0614226 Ni 7077483 W: 7077719 RZAM TRENEN 10 M LONG KLM Iam Lonie Stan 10 15.10 100 TPOWCH Z-Z-MANERIKI JAL DEEP. @ Wish REAST TERM-1.5 M W.DE CUTINIO CHERETE SCHIST, V.S.2. MALY FRUITED SEFARE MANT GTZ BRUGORS TAOLO Some SUP - SLICKEN SULES - TO TALC OBSERVED IN ZONES OF MOST Zoc (590) IN PIT ASO INTENSE CREMIATIONS. QTZ. BLOSSI SUMENO ?"BARDES" OF MILLEY WHATE WALL COLKY SAME ON SOTH SIDES BULL OTE IOCH TO HOCH IN WIDTHS OF QV / Swells - KOMMULE & MIST Some wentrolen at Py cuts since OHENNE MED GREEN SIME BODIN SMALL RECONCENTRATIONS OF FORM'S WENDIELANDI OZI IN MARE FE RICH AND VARIANCE CLONULATED. INTON MARC MARERES REARD FACILIEN A FIMA QIZ SUMAN MARLIACS OTE SUMPRIME / BULLOES - MANNEY PT'S + 5-Some Ozt BULL ATZ - NO SHULPHIE? HUGHLY ALTONE READNES WIGHTS UP TO 50 CM ALERASE LOCA duch Mis REST UPARLING Sent Bourd of HIBHON CIRCLITE LONGERING + BUSINE STRATUR 02?). Zants + BUS & /Pars of GOZ ut to + Mich CONTENTS ON MER CANDOR Q12 SUMPHIS/ CONTACTS HOR ZONTAT 25 CM & OP/VEW WITETHS A RZAMAMILKY BULL QTZ Some all counte scharter Bar FRAM TRONCH WITH PY GUSS SME HZ'S OF BLACK PAULORAL CALINES Vaus up to I com source - Limmer MA SAMPLE THURN CONTRO WORL MA - FROBER · BEDRING/SCHISTISTERY ·SM Louro

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#### **Expenditure Statement:**

This report compiles works done by Sylvain Montrueil, the Exploration Manager as well as owner of the CAu claim grouping that these claims are a part of.

From July 16-19 2010, Mike Glynn, geologist, stayed at the camp on Coarse Gold Creek and was taken to different trenches and locations to observe and analyze local formations uncovered by Sylvain Montrueil and Erini Petroutsas through hoe and hand trenching.

His notes are included and a more detailed report by him, will be attached to the groups assessment report, when it is finished.

#### Costs

July 16-19	4 days@ \$500/day Mike Glynn wage2,000
	4 days@ \$150/dayMike Glynn truck rental600
	4 days @ \$350/day Exploration Manager wage1,400
	4 days @ \$150/dayQuad rental from Erini Petroutsas600
	4 days @ \$50/dayCamp Costs200

Total Costs for Prospecting on stated Dominion claims near Portland & Robinson July 2010-\$4,800

#### **Conclusion & Recommendations**

Differing & distinct geological zones span the claims of this property. Very high iron and quartz veining beneath ophiolitic thrusts on the eastern edge of the property, leading to Caribou Creek. Here morphed chlorite/quartz contact with white quartz carrying galena and abundant well-formed sulfides. This system seems to continue at elevation over the ridges to Robinson Creek where similar large well-formed quartz/galena veins trunctuate the metamorphed chlorite/sericite/quartz/calcite/sulfide bedrock which seems to be a vein system in of itself.

The graphitic fault action visible all along Dominion underneath the placer is a promising hydrothermal area, high in sulfur, calcite & iron & sulfides, within systems that can be followed with a geological method to deduce which zones pay.

#### **Statement of Qualification:**

#### **Sylvain Montreuil:**

Quartz vein prospector in the Klondike drainage and Indian River, also 60 Mile, Stewart, Peel and Porcupine rivers for over 20 years. Has been involved in the targeting, prospecting, finds and operation of successful mines all over the Klondike Plateau.

Professionally called upon to stake claims, perform surveys, carry out soil & rock sampling programs and assist geologists with scintillometer and magnometer surveys. For clients as well as on his own ventures he has been responsible for claim recording and groupings, exploration programs and general property management to maintain claims in good standing by shafting, trenching or drilling.

A ticketed heavy equipment mechanic, welder and millwright. Former partners and employers include Joel White, A1Cat mining, Dave Farley (family), Marty Knutsen, Bob Canamol and most recently Mark Pocklington of GoldBank mining, for whom Sylvain helped target, stake and lead an exploration program on the Leota claim block, that led to the projects successful listing on the TSX venture exchange. Mark Pocklington can be contacted for reference at 1-867-333-9578

#### **Erini Petroutsas:**

Has been employed 7 consecutive summers in the Dawson area as a gold prospector in the field and geo-tech for drill programs.

Employment experience has included being assistant to Joanna Hodge PhD Geology; Erin O'Brian Masters Geology; Ken Galambos Geologist; Chris Ashe Masters Ultramafic Geology; Keven Brewer MBA & Geologist. References can be requested from any of the above professionals.