BRITISH COLUMBIA

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	TOTAL COST
Diamond Drilling Report Cusac/Table Mountian/TaurusII	$592,258

AUTHOR(S) Mike Glover SIGNATURE(S) 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) 14675-30 YEAR OF WORK 2005

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 4070146

PROPERTY NAME Table Mountain - Taurus II

CLAIM NAME(S) (on which work was done) 514937, 514944

COMMODITIES SOUGHT Au.Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 104P 029

MINING DIVISION Liard NTS M104P022

LATITUDE 59 ° 13 ' 01 " LONGITUDE 129 ° 40 ' 19 " (at centre of work)

OWNER(S)

1) Cusac Gold Mines Ltd. 2)

MAILING ADDRESS

911/470 Granville St

Vancouver, BC, V6C 1V5

OPERATOR(S) [who paid for the work]

1) Cusac Gold Mines Ltd. 2)

MAILING ADDRESS

911/470 Granville St

Vancouver, BC, V6C 1V5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Gold and silver-bearing white quartz veins occur in the Sylvester Allochthon, which is in this area of Upper Paleozoic age. The Sylvester Allochthon is a fault bounded imbricate assemblage of Devonian to Triassic regionally metamorphosed (greenschist facies) oceanic rocks thrust over autochthonous North American sediments. In this area, the assemblage consists of greenstones, pillow metabasalts, serpentinite, listwanite and argillites.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 5628, 5887, 6125, 6641, 7501, 7601, 7816, 9116, 11074, 14491, 21548, 21549, 21550.

(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	90 for ICP +Au	514937	$5,000
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	3,459.2m	514937, 514944	$587,258
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	$592,258

Cusac Gold Mines Ltd.

Table Mountain Gold Property

Taurus II Project

Diamond Drilling Report

514937 and 514944 Claims

Liard Mining Division

M104P022

462000E, 6568000N

2005 Field Season

Owner/Operator : Cusac Gold Mines Ltd.

911, 470 Granville St., Vancouver, BC., V6C 1V5
Phone: (604) 682-2421
Fax: (604) 682-7576
Email: info@cusac.com

Prepared By: Michael J. Glover, B.Sc., May 8, 2006

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Introduction

This report documents a diamond drilling program and small soil geochemical survey conducted between July 16th and November 5th of 2005 by Cusac Gold Mines Ltd. on the 514937 and 514944 claims on the Table Mountain Gold Property.

- A total of eighteen (18) NQ diamond drill holes with a combined depth of 3,459.2m were drilled in the Taurus II Project Area.
  - Six (6) holes, 1140.1m, were drilled to test the Backyard System.
  - Eleven (11) holes, 2137.7m, were drilled to test the Somerville System.
  - One (1) hole, 181.4m, was drilled to test for an extension of the Porcupine East System.
- A small soil geochemical survey was completed on the western portion of 514937. Eight (8) 150m lines, at 50m spacing, were sampled at 12.5m intervals. A total of 90 samples were taken
- Expenditures incurred in completion of this program total $592,258.00.

General Property Information

Property Location, Access, and Description

The Table Mountain Gold Property is in northern British Columbia, 115 km southwest of Watson Lake, Yukon Territory, and 120 km northeast of Dease Lake, British Columbia (Figure 1). Access to the property is via Highway 37, which connects to these towns. The abandoned town of Cassiar is at the north-western end of the property, and the unincorporated settlement of Jade City is on Highway 37 at the road entrance to the mine facilities.

At present, the property consists of a generally contiguous block of 52 full and fractional mineral claims and Crown Grants covering an area of approximately 13,800 hectares (Figure 2). The claims were acquired by direct staking, outright purchase, and option agreements. Most of the claims are owned outright, with some subject to option payments and net smelter royalties, or net profit interests. Most of the claims were converted from Legacy to Cell Claims based on boundaries as indicated on maps issued by the British Columbia Mineral Titles Branch. All claim information is contained in Table 1. The claims all lie within the Liard Mining Division. Figure 2 highlights the area of work covered in this report, the 514937 and 514944 claims.

The Table Mountain processing and support facilities consist of a 300 ton-per-day gravity-floatation mill, power plant, service facilities, offices, core library, cookhouse, and bunkhouses. A permitted tailings pond, with an approximate capacity of 50,000 tonnes, is next to these facilities, which are centrally located in the camp adjacent to McDame Lake and Highway 37. Additional service facilities are located at the Cusac mine in the southern portion of the camp

Property Topography and Vegetation

The claims forming the Table Mountain Gold Property cover the McDame Creek valley at McDame Lake and the lower tributary valleys of Snowy Creek, Troutline Creek, Quartzrock Creek, Lang Creek, and Finlayson Creek; the upper valley of Pooley Creek; all of Table Mountain; and the lower slopes of Mount McDame and Huntergroup Massif. Other prominent, frequently referred to, geographic features include Wings Canyon at the confluence of Troutline Creek and Quartzrock Creek, Callison Lake northeast of the Main Mine, and Needlepoint Mountain west of Cusac Mine.

Valley bottoms comprise shallow lakes and swamps with thick, stunted growths of pine and spruce. Treed areas extend to upland areas where they give way to open brush and alpine meadows. Although the surrounding mountainous areas are rugged, much of the camp area has rolling topography.

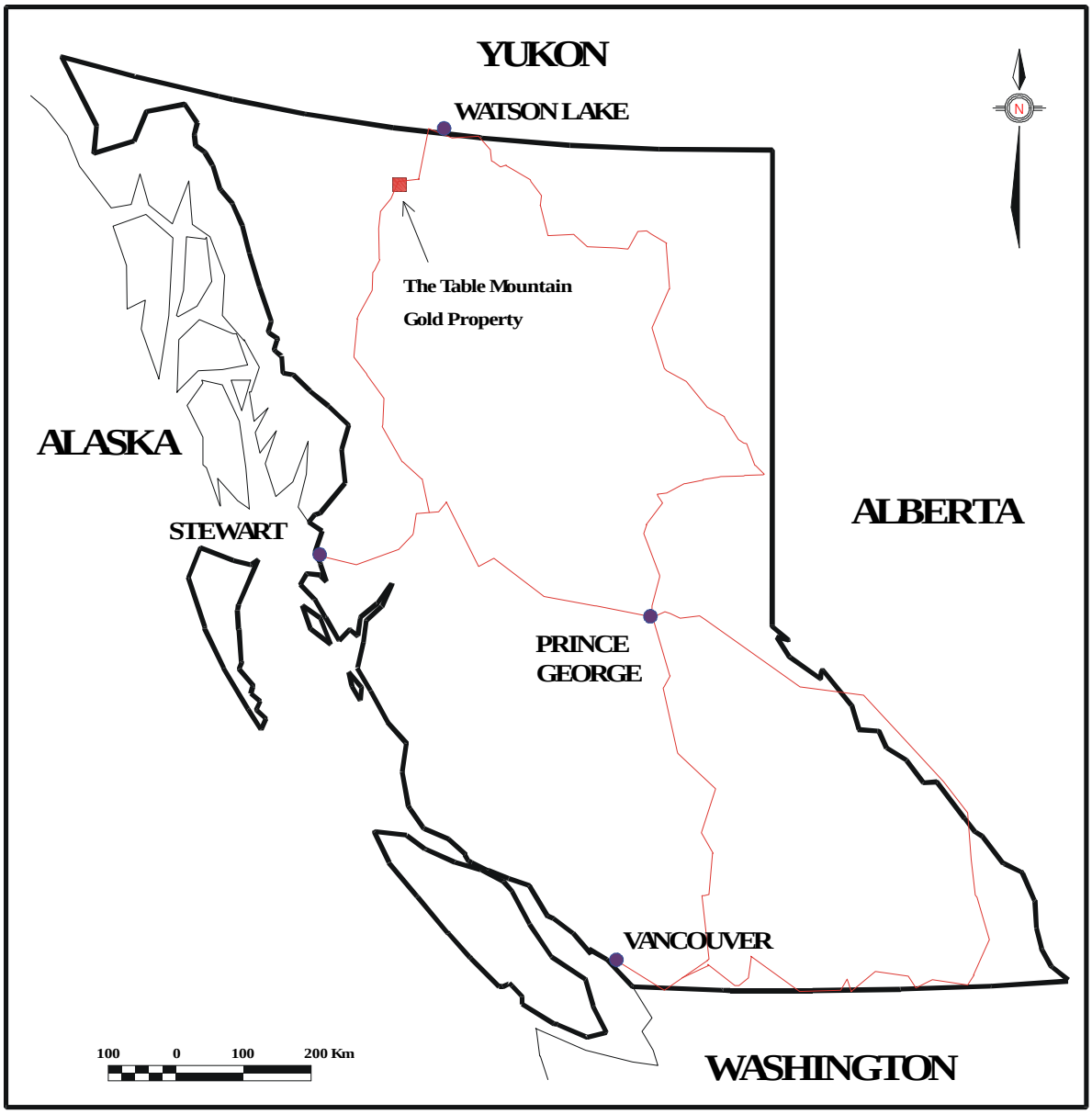

Figure 1 : Property Location Map

The red highlighted square indicates the property location and approximates the area illustrated in Figure 2.

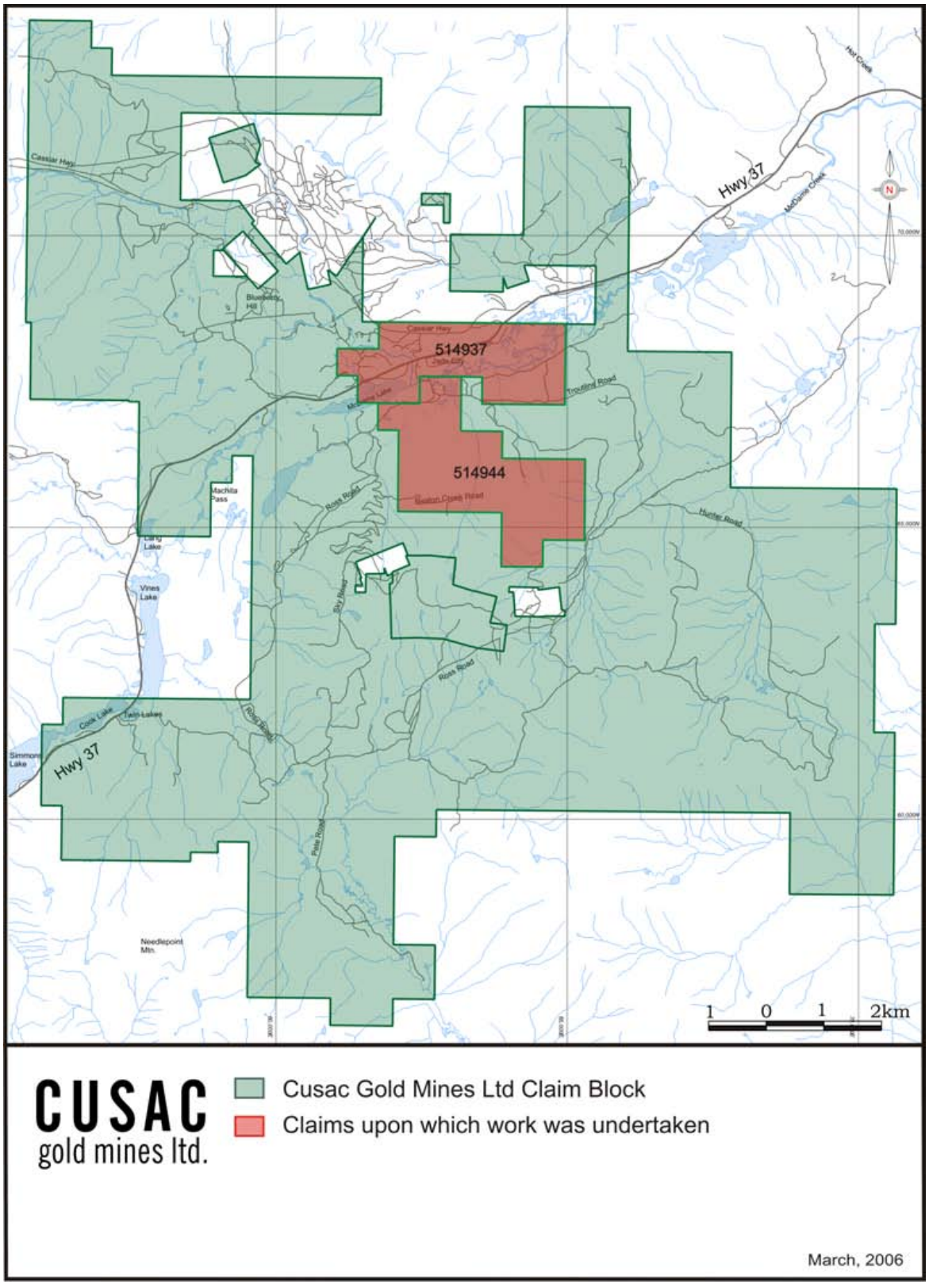

Figure 2: The Table Mountain Gold Property

Table 1: Tenure List

Tenure Type	Tenure Number	Claim Name	Map Number	Good To Date	Area (HA)	Tag Number
Legacy Claim	221632	SUN	104P022	2008/Jun/30	200.0	7200
	221633	UP	104P022	2008/Jun/30	125.0	7305
	226156	RED HILL NO.5	104P022	2008/Jun/30	25.0	B32705
	226157	RED HILL NO.6	104P022	2008/Jun/30	25.0	B32706
	226193	JENNIE EXTENSION #4	104P022	2008/Jun/30	25.0	A59861
	226194	JENNIE EXTENSION #1	104P022	2008/Jun/30	25.0	59850
	226195	JENNIE EXTENSION #2	104P022	2008/Jun/30	25.0	59851
	226196	JENNIE EXTENSION #3	104P022	2008/Jun/30	25.0	59860
Cell Claim	510750		104P022	2008/Jun/30	1009.5	
	510751		104P022	2008/Jun/30	132.3	
	510766		104P022	2008/Jun/30	744.2	
	510768	OLE' 1-9	104P022	2008/Jun/30	148.8	
	511229		104P022	2009/Jun/30	496.5	
	511346		104P022	2009/Jun/30	430.6	
	511352	REDER 1-10	104P022	2008/Jun/30	165.6	
	511359		104P022, 023	2008/Jun/30	777.5	
	511365		104P022, 023	2008/Jun/30	1407.7	
	511368	GRAB 1-2	104P022, 023	2008/Jun/30	33.1	
	511371		104P023	2008/Jun/30	265.1	
	511380		104P012, 013, 022, 023	2008/Jun/29	1226.9	
	511385		104P012, 013, 022	2008/Jun/30	1243.6	
	511387	TRACKER 1-20	104P013	2008/Jun/30	364.8	
	511394	EASTER 1-25	104P013, 023	2008/Jun/30	414.3	
	514057		104P012	2008/Jun/30	995.1	
	514088		104P012	2008/Jun/30	912.7	
	514497		104P012, 022	2008/Jun/30	911.9	
	514508		104P022	2008/Jun/30	149.1	
	514509		104P022	2008/Jun/30	49.7	
	514937		104P022	2008/Jun/30	447.0	
	514939		104P022	2008/Jun/30	496.9	
	514943		104P022	2008/Jun/30	381.1	
	514944		104P022	2008/Jun/30	579.7	
	514945		104P022	2008/Jun/30	264.9	
	517020	NC3	104P022	2008/Jun/30	16.5	
	517048	AUREX	104P022	2008/Jun/30	33.1	
	517063	ARGOLD	104P022	2008/Jun/30	33.1	
	517075	OLEW	104P022	2008/Jun/30	16.5	
	517092	OLEE	104P022	2008/Jun/30	99.2	
	517109	WATT	104P022	2008/Jun/30	33.1	
	517124	AMP	104P022	2008/Jun/30	33.1	

Property History

Gold was discovered in the Cassiar District in 1874. The district developed into one of British Columbia's major placer camps with most of its production occurring between 1874 and 1895. The largest nugget discovered in British Columbia, 73 oz (2,503 gm), came from this camp (Barlee 1980). Minor small-scale placer mining continues today.

Although placer production in the district was significant, little was done prior to 1933 to locate lode gold deposits. In 1934, the first gold-bearing quartz veins were found in Quartzrock Creek. Following this, numerous veins were discovered and many claims were staked. The higher-grade portions of these veins were exploited by small-scale mining over the next forty years. At one point, half-a-dozen abandoned mill sites with capacities of less than 12 tons per day existed in the area. Well-known individuals that played an important role in the early years of the emerging gold camp include John Vollaug, Hans Erickson, J.R. Boulton, John Hope, F. Callison, Pete Hamlin, and Fred and Guilford Brett. Cusac's interest in the area began with the prospecting efforts of Fred and Guilford Brett who formed Glen Copper Mines Ltd., which evolved into Cusac Industries Ltd., and in 1995, Cusac Gold Mines Ltd.

The first larger operation started in 1978 when the Agnes and Jennie Mining Company Limited and Nu-Energy Development Corp., which later amalgamated to become Erickson Gold Mining Corporation, commenced production from the Jennie Vein in the Main Mine. In 1979 and 1980, Cusac conducted work in the area of the Cusac Mine. During 1980, Plaza Mining Corporation commenced open pit production from the eastern portion of the Vollaug Vein. Between 1978 and 1984, development of the Main Mine, also known as the Erickson Mine, was expanded to include workings on four main levels to exploit the Jennie, Maura, Alison, and Bear Veins. Esso Resources Canada Limited conducted exploration around the Main Mine in the early 1980's.

Exploration around Quartzrock Creek by United Hearne Resources Limited in the late 1970's lead to commencement of production at the Taurus Mine in 1981, which continued until 1988. At the same time, Sable Resources Ltd. and Plaza Resources Ltd. developed underground workings on the east side of 88 Hill.

Cusac discovered several veins at Pooley Creek in 1982, and conducted minor work on them. In 1983, Erickson commenced production from the Troutline Mine at the eastern end of the Vollaug Vein and from various open pits along it. In the following year, Cusac optioned its property to Erickson, which had acquired Plaza in the previous year and continued to expand its property holdings.

In 1985, Total Compagnie Francaise des Petroles acquired operating control of Erickson, renamed the company Total Energold Corporation, commenced production from the Eileen Vein in the Cusac Mine in 1986, and discovered additional veins in the area. During 1988, Total started work on the 10 level, a 2.5 km drift to access the Michelle High Grade Vein (MHG), which could not be accessed from the Cusac Mine because of high water flows. Because of this, production from the Cusac Mine and Main Mine ceased, with only minor production continuing on the Vollaug Vein. Work on level 10 eventually ceased in 1989 due to high costs and high water flows.

Total elected to divest itself of all North American mineral assets in 1991. Cusac purchased these assets, free and clear of any royalties to Total, re-opened the Cusac Mine, and in 1993, commenced production on the Bain Vein (Bain Mine). During the development of the Cusac decline to the MHG Vein, the Big vein was defined and mined. Mining of the MHG commenced in June 1995, and continued through 1997.

The Katherine vein was open pit mined during 1995, and in early 1996, the 10 level development was extended by 250m. Additional mining was conducted on the Vollaug, Melissa, and Lily Veins during 1996 and 1997, and surface mining was done on the Bear Vein during 1998.

In 1995, Cyprus Canada Inc. (Cyprus) entered into agreements with International Taurus Resources Inc. (Taurus) and Cusac on the Taurus project north of the current property area, which resulted in the definition of an inferred open pitable resource. In 1996, Cyprus withdrew from the project, and Cusac entered into an agreement with Taurus, which conducted additional work that defined an indicated resource. In 1998, Cusac optioned the claims and consolidated the entire Cassiar Gold Camp under one operator. Cusac completed reclamation of the Taurus mine site, but no further work was conducted, and the agreement was subsequently terminated.

Diamond drilling was conducted on the East Bain Vein during 2002, which confirmed the existence of a gap with the West Bain Vein, but failed to extend the structure to the east.

During mid-2004 drilling north of the Main Mine discovered and delineated the Rory Vein.

Geology

Sketchley (2005) has done a scholarly job of describing the geology of the region and the camp. The following geology sections are taken verbatim from his technical report.

Regional Geology

"The Table Mountain property is in the Sylvester Allochthon of the Slide Mountain Terrane (Gabrielse 1963; Gordy et *al.* 1982; Harms 1984, 1986, 1989; Harms et *al.* 1989; Nelson and Bradford 1989, 1993). The allochthon occupies the flat-bottomed McDame synclinorium, which lies on autochthonous rocks of the Cassiar Terrane. It comprises gabbro, pillowed and massive basalt, banded chert, carbonate, argillite, ultramafics, and minor arenite of Late Devonian to Late Triassic age.

The internal structure of the Sylvester Allochthon is characterized by many interleaved tectonic slices, bounded by subhorizontal, layer-parallel faults. These lithotectonic slices are an order of magnitude smaller than the terrane itself, and they consist of a single rock type, or a few repeated rock types. Small numbers of slices occur together in larger second-order packages, which are also fault-bounded and lensoidal (Harms 1986).

Nelson and Bradford (1989, 1993) divided the allochthon into three stacked, structural-lithological packages. Division I, the lowest, is a sedimentary sequence that occurs along the margins. The middle, Division II, is an ophiolitic assemblage that occupies the central portion and contains two major ultramafic sheets. Division III, the upper, is an island-arc unit that caps the Division II at higher elevations. The Cassiar Gold Camp is within Division II.

The Sylvester Allochthon responded to Jurassic compressional tectonics by thrusting along easterly-directed thrusts rather than regional-scale folding. This resulted in the stacking of the three divisions into their present arrangement (Nelson and Bradford 1989, 1993). The synclinal geometry resulted from the formation of anticlinal stacks on either side during compression. In addition, emplacement of the Cassiar batholith uplifted the pile, contributing to the consistent northeastward dip along its western margin.

Camp Geology

Figure 3 illustrates the general geology of the camp. Rocks in the Cassiar area have been informally divided into lower, middle, and upper thrust sheets for mine geology purposes. The lower and middle thrust sheets belong to Division II of Nelson and Bradford (1989, 1993); the upper, to Division III. The lower thrust sheet comprises three volcanic-sedimentary subunits; the middle, Table Mountain Sediments (TMS); and the upper, Huntergroup Volcanics. A major ultramafic sheet separates the lower and middle thrust sheets (Harms et *al.* 1989; Nelson and Bradford 1989, 1993).

The basal volcanic-sedimentary subunit of the lower thrust sheet comprises basalt, pillow-basalt breccias, and tuff interbedded with black clastics. It is exposed west of the camp along the margins of the allochthon and was intersected at depth in drill holes in the western and northwestern part of the camp. The unit does not host any of the veins in the camp.

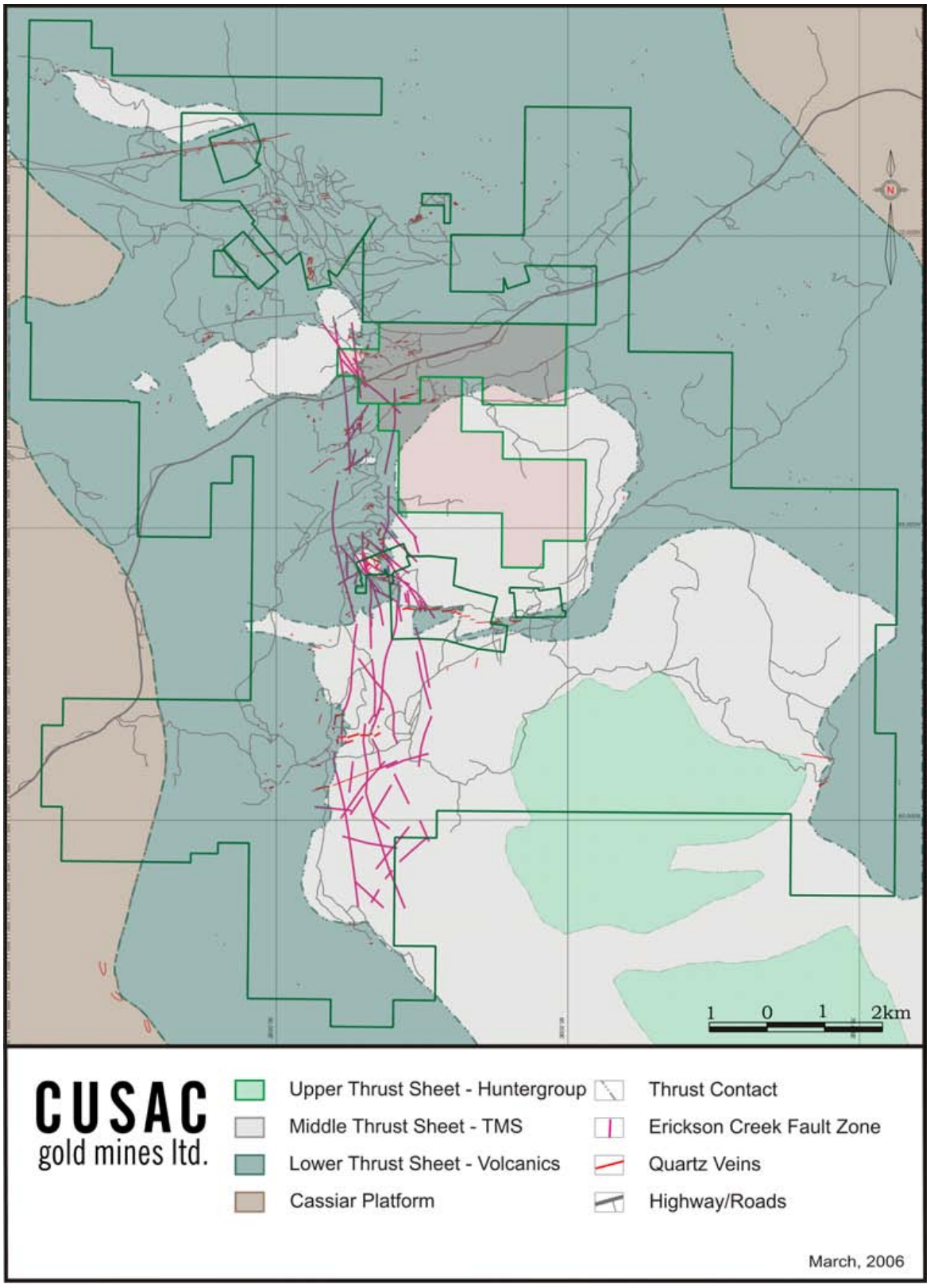

Figure 3: Generalized Geological Map

The middle subunit, which comprises mafic extrusive rocks interlayered with bedded chert and argillite, crops out along the northeastern and southwestern margins of the camp along ridges and valley sides. The unit does not host significant veins and is more amenable to development of silicification because the rocks are brittle and shatter as noted in the lower levels of the Main Mine.

The upper subunit is the most widespread and crops out over most of the camp. It comprises massive and pillowed basalt with rare chert intercalations with the lower portion in the Taurus area marked by magnetite and jasper-rich basalt. The non-magnetic and non-jasper-bearing basalt sequence hosts most of the vein systems in the camp and has been the focus of exploration.

Table Mountain Sediments (TMS) of the middle thrust sheet cap basalt of the lower thrust sheet and crop out extensively in the southern portion of the camp on Table Mountain and in the northern portion of the camp where they locally form thin klippen. TMS comprise thin-bedded slaty siltstone, sandstone, calcareous mudstones, and grey limestone with rare veins.

A thin discontinuous sheet of ultramafic rocks occurs at the base of the TMS. The sheet locally thickens to large bodies in the order of hundreds of metres. Near vein systems, these ultramafic rocks are altered to a quartz-carbonate-fuchsite assemblage, referred to as listwanite.

Diabase and lamprophyre dykes crosscut all lithologies and veins, are steeply dipping and strike easterly. Xenoliths of granitic rock occur in several dykes throughout the camp.

Structural features are divided into two temporal groups: an early one related to the formation of the allochthon with pre- and syn-mineralization structures, and a late one with postmineralization structures. The early group contains thrust faults and related folds along with accompanying foliations and joints that parallel veins. The late group contains high-angle faults that offset veins. Some of the late faults are antecedent structures. Although they are clearly associated with mineralization, movement is post-mineralization. Structural features are discussed in more detail by Sketchley (2003).

Deposit Types and Mineralization

Vein Types

Previous Work

Veins have been well described by Mandy (1935, 1937), Diakow and Panteleyev (1981), Grant (1981), Panteleyev and Diakow (1982), Fjetland (1982), Hooper (1984), Dussel (1986), Ball (1985, 1989), Sketchley (1986, 1989), Gunning (1988), Broughton and Masson (1986), and Panteleyev et *al.* (1997). Panteleyev et *al.* (1997) developed a general model for mesothermal gold-bearing quartz veins of the Cassiar Gold Camp that illustrates the spatial relationships of the various vein types within lithotectonic units and a possible genetic connection to a cryptic intrusion (Nelson 1990; Nelson and Bradford (1989, 1993).

Vein Stages

Veins in the Cassiar Gold Camp consist of early barren quartz veins without visible alteration; main stage barren and gold-bearing quartz veins with sericite-ankerite alteration envelopes; and late barren quartz-carbonate veins with kaolinite-ankerite alteration envelopes. Early veins are widespread; main stage veins are generally confined to well-defined vein systems; and late veins locally crosscut and brecciate earlier veins.

Main stage white quartz veins form a continuum from barren to strongly mineralized. Barren and weakly mineralized veins are usually single stage with minor sulphides, whereas strongly mineralized veins are composite structures with abundant banding and varying amounts of sulphides. Clear quartz veins, containing pyrite, sphalerite and tetrahedrite with uncommon chalcopyrite, galena and arsenopyrite, crosscut gold-bearing white quartz veins. Gold is usually associated with sulphides.

Spatial and Geometric Relationships

Panteleyev and Diakow (1982) recognized two fundamental vein types: Type I veins, hosted by basalt of the upper subunit of the lower thrust sheet; and Type II veins, occurring along the contact of the bottom of the middle thrust sheet (Panteleyev et *al.* 1997).

Type I veins occupy steeply-dipping east-northeasterly to northeasterly-trending, sub parallel fractures that comprise the majority of veins in the camp. Most veins are short and narrow and pinch and swell along strike although many are sigmoidal, dipping steeply north, and terminate by pinching, horsetailing, or as knots or localized bulbous masses. Veins are typically up to one metre wide and several tens of metres long that are commonly broken into numerous segments that appear to be separate structures. Most veins in the areas around Cusac Mine, Main Mine, and north of Taurus Mine are Type I, lie immediately below TMS, and form thicker structures that are more persistent. The upper 30 m of these veins are the most productive in the camp, and gold grades decrease and become more erratic down dip into the roots of the system.

Type II veins occupy the shallowly-dipping plane of the thrust fault that occurs at the bottom of the middle thrust sheet comprising TMS. Most veins are along the footwall of the ultramafic sheet, which is generally altered to listwanite, or extend up into it. Veins have a characteristic ribboned appearance from carbon-rich stylolites and are generally less than two metres thick, but can be up to four metres.

Alteration Types

Wallrock Alteration

Strong wallrock alteration is associated with gold-bearing veins hosted by mafic and ultramafic rocks. Within mafic rocks, basalt is altered to a sericite-ankerite-quartz assemblage that forms well-developed envelopes around veins (Sketchley 1986, 1989). Envelopes are surrounded by widespread propylitic alteration. More intense alteration adjacent to veins commonly contains coarse disseminated pyrite and less commonly arsenopyrite. Carbon-rich zones and crackle brecciation, comprising quartz and carbon, are locally common in more intense alteration. Within ultramafic rocks, serpentinite is altered to talc, talc-breunerite-quartz, and breunerite-quartz-fuchsite assemblages with increasing

intensity (Dussel, 1986).

Wallrock Mineralization

Pyrite-rich, ankeritic alteration zones with coarse pyrite commonly contain anomalous gold values. Noteworthy areas are Taurus Mine, Hill 88, Backyard and Somerville Systems at Taurus II project, and Bear Vein at the Main Mine. Coarse arsenopyrite is present locally and also may be auriferous, whereas alteration characterized by extremely fine pyrite is generally nonauriferous.

Vein Systems, Deposit Model, and Mineralization Controls

Vein systems extend outward from the ECFZ and are up to five kilometres long. Along the ECFZ, there is a crude periodicity of vein systems. South of McDame Lake they are spaced about 400 to 600 metres apart; north of McDame Lake about 1,500 metres apart. In the southern portion of the camp, high-grade quartz veins have been exploited extensively by underground mining and limited open pit mining, whereas in the northern portion veins have been exploited to a much lesser extent by underground mining. A list of known vein systems throughout the camp is given by Sketchley (2003).

In the northern portion of the camp, swarms and sheets of anatomizing white quartz veins of varying widths surrounded by ankeritic alteration zones coalesce over large areas to form economically interesting zones that have a potential for open pit mining. A deposit of this style of mineralization has been outlined in the Hill 88 area adjacent to the Taurus II Project area. The deposit appears to be related to an adjacent chert body, which may have acted as a buttress and channeled fluids into fractured, massive basalt bounded by an overlying thrust fault.

The more important vein systems are shown on Figure 4, a schematic longitudinal section of the Table Mountain Gold Property.

Nelson (1990), Nelson and Bradford (1989, 1993), and Panteleyev et al. (1997) discussed formation of the mesothermal gold-quartz vein deposits of the Cassiar area. This work has been compiled and summarized along with mineralization controls by Sketchley (2003, 2004).”

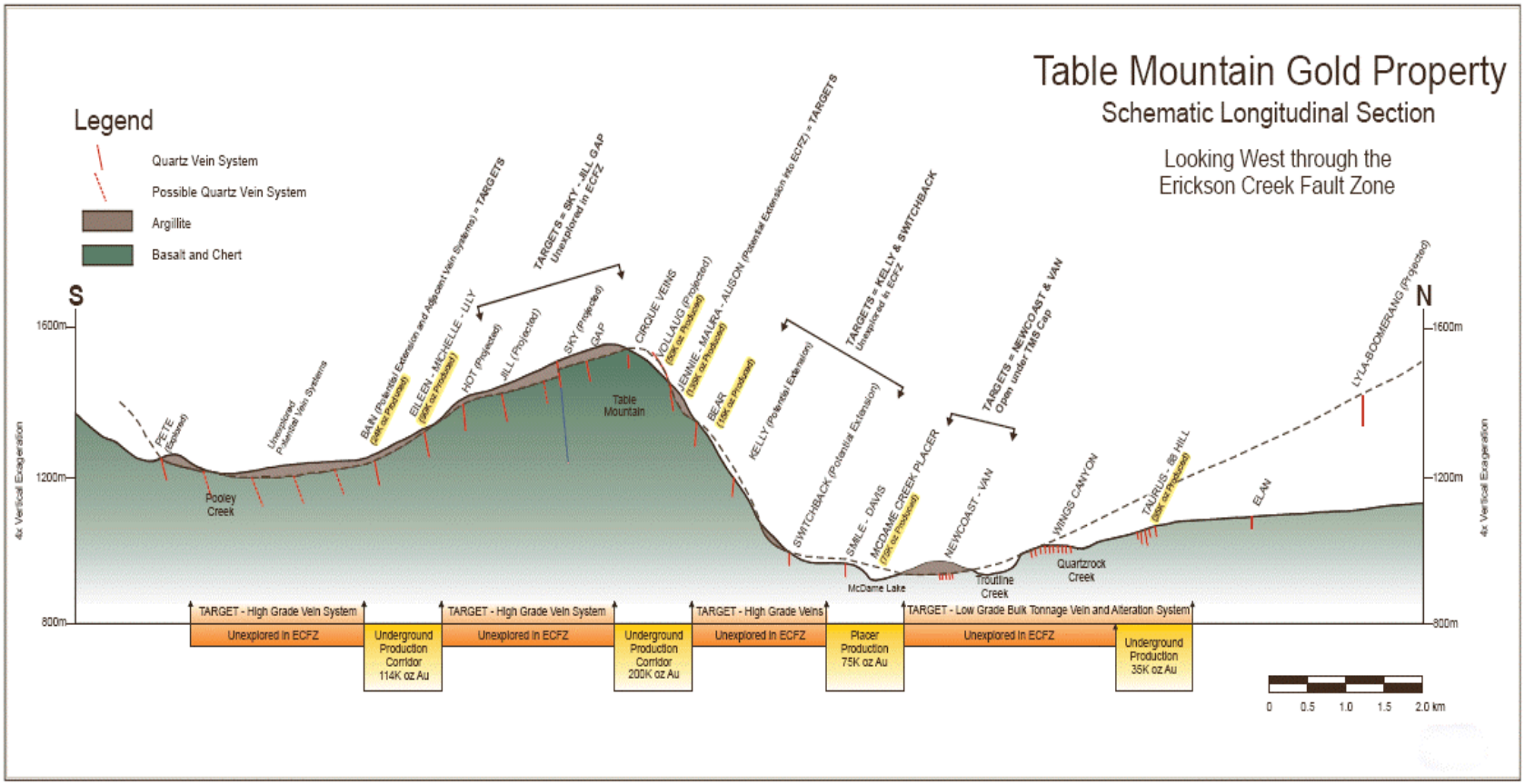

Figure 4: Table Mountain Gold Property: Schematic Longitudinal Section

Current Work

Summary

The 2005 work program was completed under Notice of Work Permit Number 14675-30.

Preliminary data compilation for the Taurus II Project Area was completed during the period May 1st to June 15th, 2005. As a result of this data compilation, six (six) specific target areas, and one general target area were defined.

Three of these target areas were selected for drill testing; the Backyard System, the Somerville System, and the Porcupine East System. A small, detail, soil geochemical survey was designed for the Newcoast area

A total of eighteen (18) NQ surface diamond drill holes with a combined depth of 3,459.2m were drilled in the Taurus II Project Area. The drill program commenced July 16, 2005 and finished November 5, 2005.

- Six (6) holes, 1140.1m, were drilled to test the Backyard System.
- Eleven (11) holes, 2137.7m, were drilled to test the Somerville System.
- One (1) hole, 181.4m, was drilled to test for an extension of the Porcupine East System.

A small soil geochemical survey was completed in the Newcoast Area, on the western portion of 514937. Eight (8) 150m lines, at 50m spacing, were sampled at 12.5m intervals.

1297 core samples (including standards and blanks) and 90 soil samples were analysed by Acme Analytical Laboratories. Expenditures incurred in completion of this program total $592,258.00. A Cost Statement is appended in Appendix B.

Data Compilation

A compilation of data was undertaken during the period May 1st to June 15th for the region indicated in Figure 5. This region is defined by six (6) Erickson legacy map sheets, and encompasses an area of 52.5 km^2 (10.5km E-W by 5 km N-S). The compilation area straddles the broad corridor of the Erickson Creek Fault Zone from the Switchback Area, just north of the Main Mine, to, and including, the Taurus Deposit in the north. Previous in-house compilation work has concentrated on the area south of Highway 37.

The first phase of the compilation involved combining the partially overlapping, and individually incomplete, data sets from Cusac's Vancouver Head Office library and the Mine Site library. Documents were reviewed and pertinent data was extracted and compiled on a digital base map. The level of detail of the compilation was defined by time constraints and perceived degree of merit of specific areas.

Reports relating to the current area of interest were systematically reviewed and a catalogue summarizing pertinent details was prepared . This catalogue facilitates data access through searches by author, dates, claims, work type, etc..

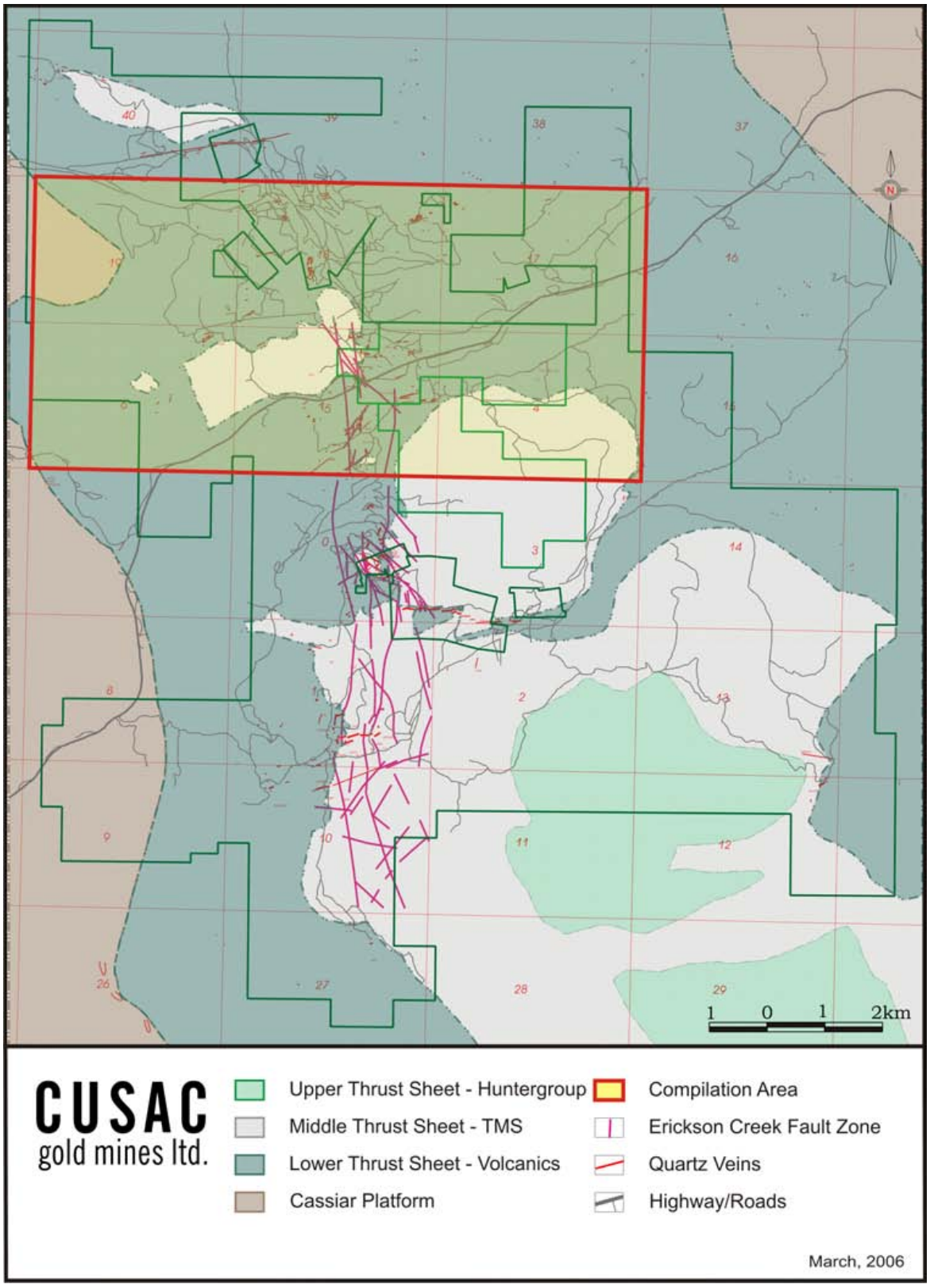

Figure 5: Compilation Area

As a result of the data compilation, six (6) specific target areas, and one (1) general target area were selected for exploration work (Figures 6 and 7). Specific programs of work for these areas were recommended and initial exploration budgets were prepared.

Budget and time constraints ultimately limited the number of targets evaluated. The Backyard System, the Somerville System, and the Porcupine East areas had sufficient preliminary work to justify immediate drilling. Interesting, but conflicting, soil geochemical data in the Newcoast area lead to the decision to undertake a small detail soil geochemical survey in the area.

Diamond Drilling

Description of Work

A total of eighteen (18) NQ surface diamond drill holes with a combined depth of 3,459.2m were drilled in the Taurus II Project Area. The drill program commenced July 16, 2005 and finished November 5, 2005.

- Six (6) holes, 1140.1m, were drilled to test the Backyard System.
- Eleven (11) holes, 2137.7m, were drilled to test the Somerville System.
- One (1) hole, 181.4m, was drilled to test for an extension of the Porcupine East System.

Drill Hole Collar information is summarized in Table 2.

NQ surface diamond drilling was done by DJ Drilling with an LF-70. Pad preparation was done by DJ using a D-6 Cat. The bulk of the setups were located on existing roads and cat-trails. Drill set-ups were verified by staff geologists. Downhole surveys were done with a Sperry Sun. Drill collar locations are marked with a post and a metal Dymo tag. Set-ups were re-contoured subsequent to the completion of the program.

Collar locations were surveyed by Lone Star Surveying employing RTK differential GPS. Surface surveying control was established by Lone Star Surveying who first created four IPs (iron pins) and three Brass Caps (BC Control Point) based on national survey monuments OCM 87C359 and OCM 98C459 (Ottawa Control Monuments), and then surveyed drill hole collars along with various roads, trails, topographic points, and soil geochem grid points.

Core was logged and sampled onsite by staff geologists. Sampling consisted of marking the mineralized sections into sample intervals based on geological criteria, splitting the core in half along its length using a continuous line to prevent bias, and bagging one-half of the split core from each marked sample interval. Including standards and blanks, 1297 samples were analysed. Group 6 – Precious Metals Assay analysis was done at Acme Analytical Laboratories Ltd. in Vancouver. Analyses yielding values greater than 2 g/T Au were re-analysed employing a metallics assay. Analytical Procedures are described in Appendix E. Significant intersections were photographed. Core is stored in permanent core racks at the mine site.

All drilling information was compiled on a master spreadsheet and relevant portions

imported into Gemcom for geological modelling. Recorded data includes the following items:

1. Header – Hole, X, Y, Z, Depth, System, Start, Finish, Logger, Purpose.

2. Surveys – Hole, Depth, Azimuth, Dip.

3. Lithology – Hole, From, To, Code, Length.

4. Assays – Hole, From, To, Sample, Width, Routine Assay Au g/tonne, Metallics Assay Au g/tonne, Routine Assay o/ton, Metallics Assay Au o/ton, Shipment, Standard LL, Standard UL, QC.

5. Composites – Hole, From, To, Core Length, Assay Au g/tonne.

Table 2: Diamond Drill Hole Collar Information

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Depth	Started	Finished
05BY-01	462300.56	6568050.59	970.09	165	-45	205.80	16-Jul-05	18-Jul-05
05BY-02	462300.88	6568050.10	970.09	345	-45	188.60	19-Jul-05	20-Jul-05
05BY-03	462421.69	6568122.42	975.15	165	-45	147.80	21-Jul-05	22-Jul-05
05BY-04	462192.37	6568015.93	968.87	165	-45	205.80	23-Jul-05	27-Jul-05
05SV-01	462111.10	6568094.48	982.95	345	-45	150.90	27-Jul-05	28-Jul-05
05SV-02	461984.99	6568079.93	983.94	345	-45	96.00	28-Jul-05	30-Jul-05
05PE-01	462877.61	6567381.93	924.47	360	-45	181.40	1-Aug-05	4-Aug-05
05BY-05	462022.62	6567779.14	962.08	350	-45	190.60	5-Aug-05	9-Aug-05
05BY-06	461947.33	6567810.52	970.46	345	-45	201.50	10-Aug-05	14-Aug-05
05SV-03	461748.98	6567965.61	1000.86	345	-45	218.00	14-Aug-05	18-Aug-05
05SV-04	461702.91	6567924.21	1000.89	345	-45	251.50	18-Aug-05	22-Aug-05
05SV-05	461799.05	6567941.44	992.50	30	-45	178.40	22-Aug-05	26-Aug-05
05SV-06	461621.00	6567928.00	998.00	345	-45	263.70	26-Aug-05	30-Aug-05
05SV-07	461369.00	6568025.00	978.00	360	-45	228.00	22-Oct-05	24-Oct-05
05SV-08	461440.00	6567950.00	986.00	360	-45	183.50	24-Oct-05	26-Oct-05
05SV-09	461680.00	6568047.00	960.00	345	-45	139.30	29-Oct-05	30-Oct-05
05SV-10	461512.00	6568047.00	971.00	360	-45	222.00	30-Oct-05	2-Nov-05
05SV-11	461287.00	6568051.00	985.00	360	-45	206.40	2-Nov-05	5-Nov-05

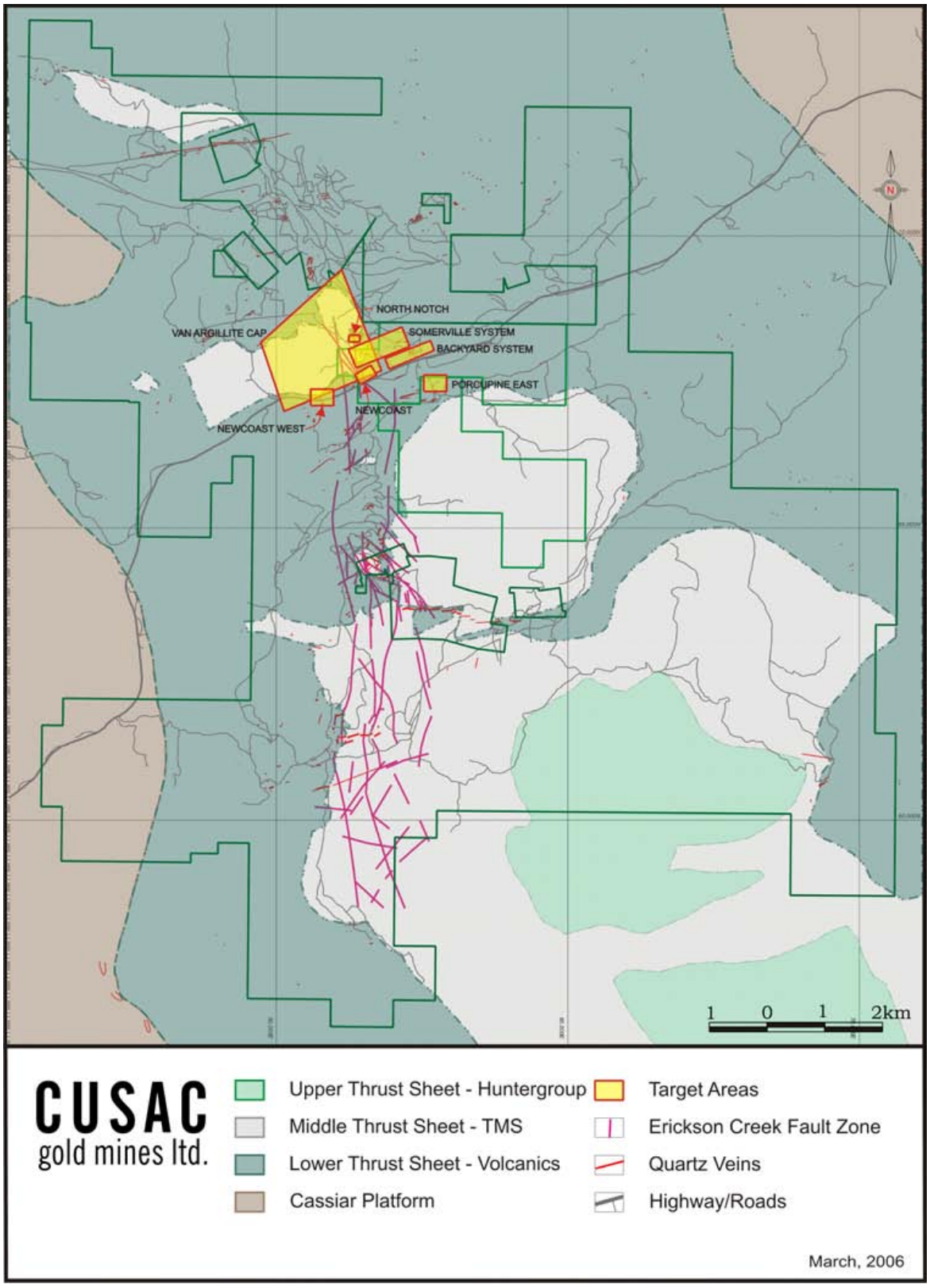

Figure 6: Target Areas Overview

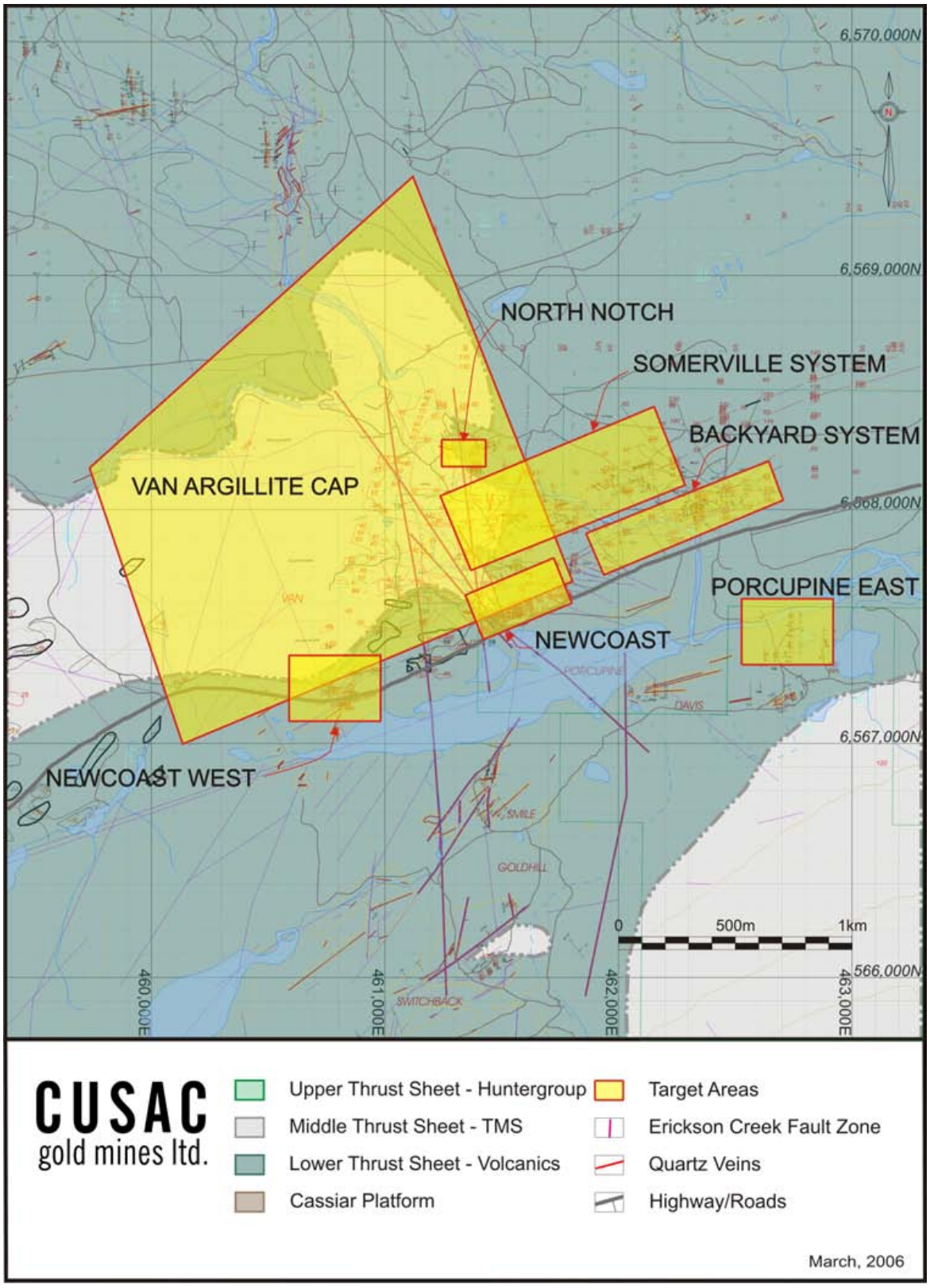

Figure 7: Target Areas

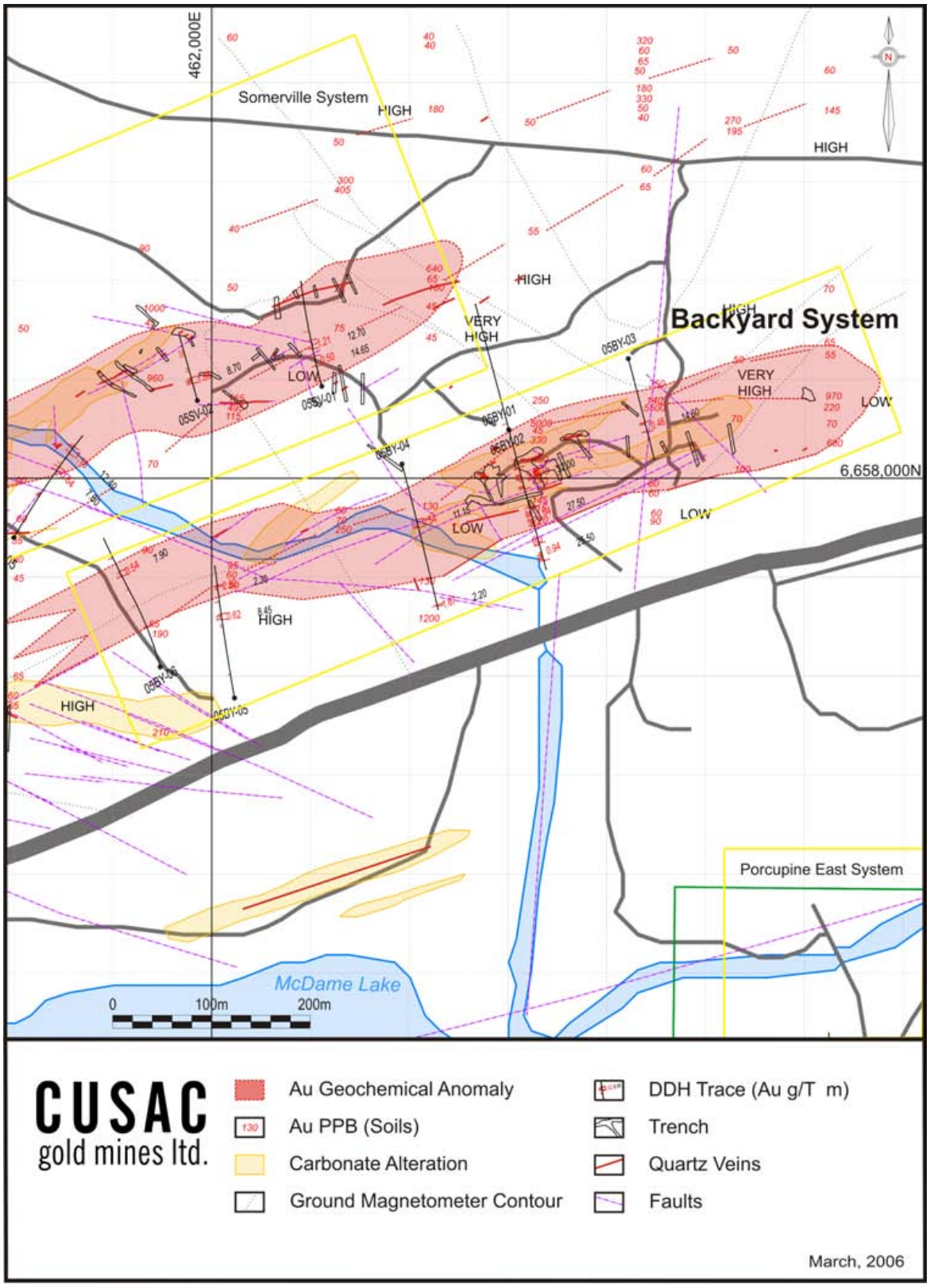

Figure 8 : Backyard System Compilation Map

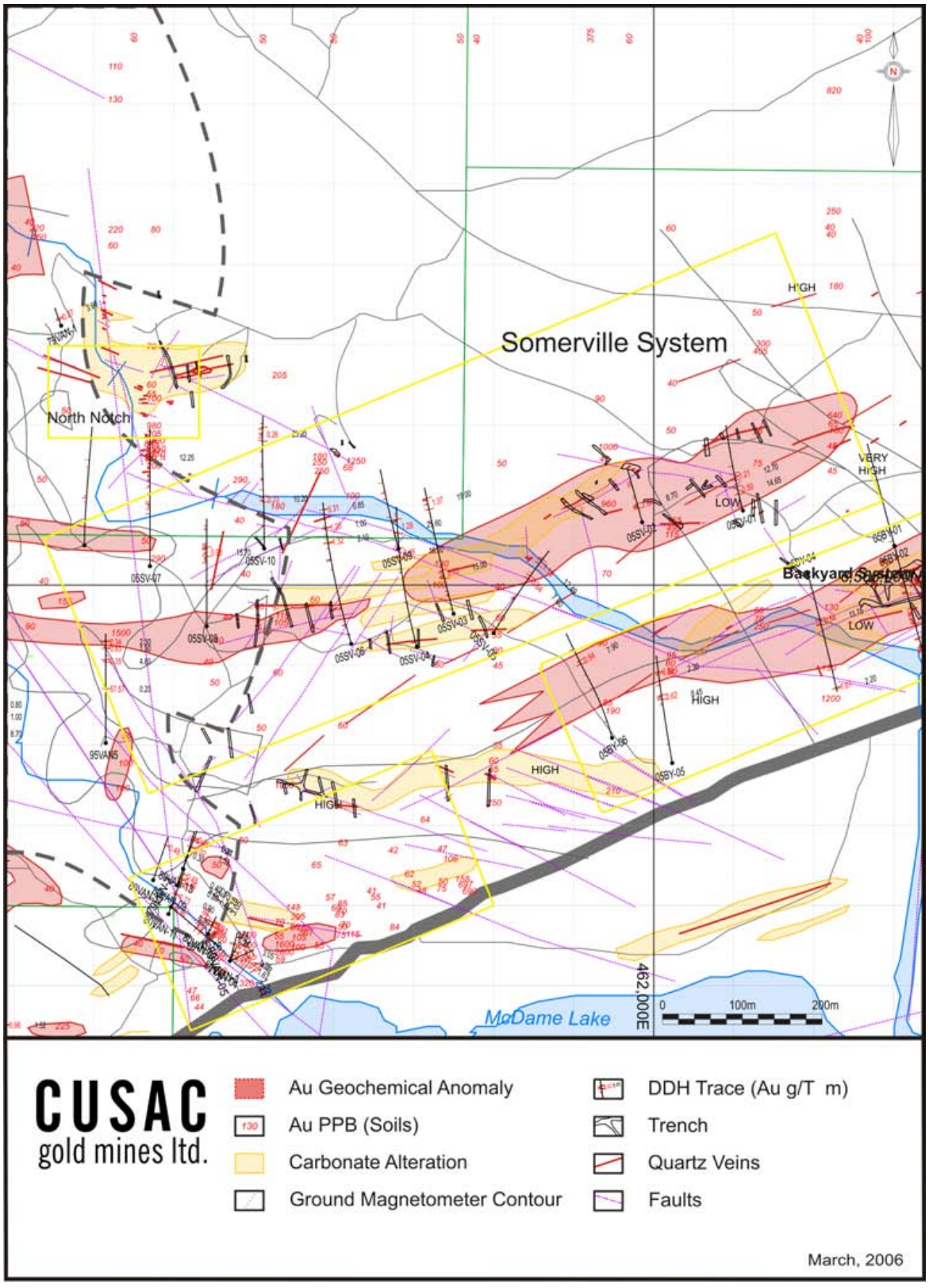

Figure 9 : Somerville System Compilation Map

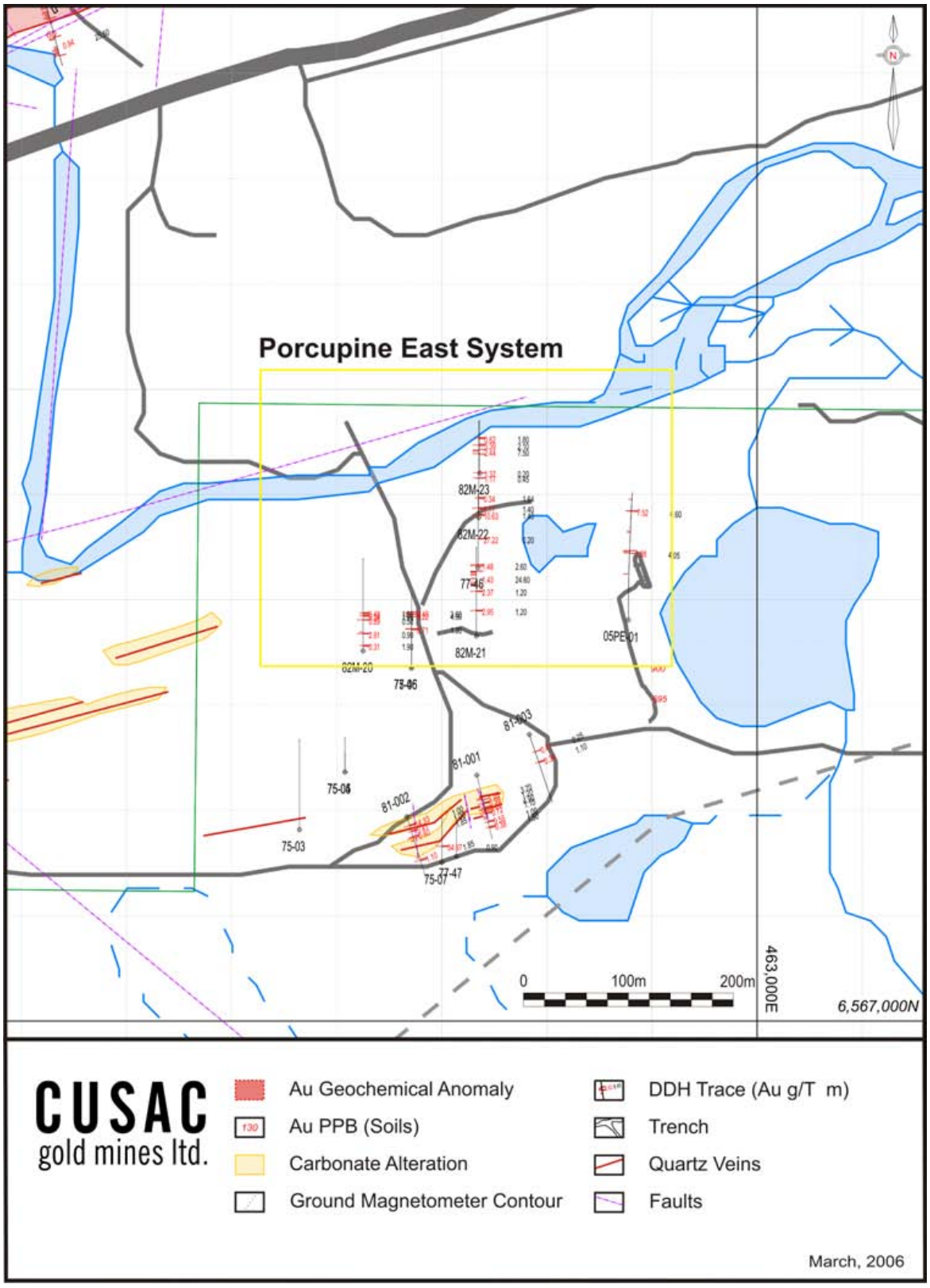

Figure 10 : Porcupine East System Compilation Map

Results of Work

Sections and Plans are included in Appendix D. Diamond Drill Hole Logs are included in Appendix F.

Backyard System

The Backyard System comprises several previously known, easterly striking and steeply south dipping, mineralized quartz vein and alteration zones on the east side of Troutline Creek, adjacent to Highway 37, which were explored previously by trenching. Because surface access to the area was restricted due to infrastructure curtilage, the zone was initially drilled from the north to the south, which is not optimum for geological investigations; therefore, core sample lengths in holes 05BY-01, -03, and –04 are greater than true widths. Drill hole locations are summarized in Table 2 and shown in Figure 8; significant drill hole intersections are summarized in Table 3.

1. 05BY-01 was targeted at the down dip portion of the surface exposures and returned highly elevated gold values from wide sulphide-rich alteration zones surrounding quartz veins.
2. 05BY-02 was targeted at surface soil colour anomalies north of the actual vein-alteration system, which were encountered during road construction for hole 05BY-01. No significant results were obtained because the anomalies are related to south-dipping ankeritic carbonate alteration zones that would not project into the drill hole trace.
3. 05BY-03 was targeted at the eastern extension of the system below a trenched surface exposure with elevated gold values. One narrower zone was intersected suggesting that the zone may be pinching.
4. 05BY-04 was targeted at the western extension of the system where it is exposed on the east side of Troutline Creek. Two widely spaced zones were intersected suggesting the system continues.
5. 05BY-05 and 05BY-06 were targeted at a western extension of the system on the western side of Troutline Creek. The system has been offset in a right lateral sense by a sub-vertical fault paralleling Troutline Creek.
6. The Backyard System is about 700 m long and appears lozenge shape, with the widest portion about 200 m east of Troutline Creek, and may pinch further to the east and west, although it may join up with the Newcoast and Newcoast West areas. The widest portion coincides with the northerly projection of Troutline Creek before it enters McDame Lake, which could be related to a northerly controlling structure or else coincidence due to a modified creek channel in valley glacial deposits. Potential exists in the widest portion of the zone and to the west into the ECFZ adjacent to the argillite cap

Somerville System

The Somerville System comprises several previously known, easterly striking and steeply south dipping, mineralized quartz vein and alteration zones that were explored previously by trenching on the eastern side of Troutline Creek, north of the Backyard System. The zone has been interpreted to continue across Troutline Creek to the west. Surface access to both sides of the creek is good; hence, the zones were drilled from south to north to intersect south-dipping vein alteration systems, although considering the steeply dipping nature of the zones, core sample lengths are greater than true widths. Drill hole locations are summarized in Table 2 and shown in Figure 9; significant drill hole intersections are summarized in Table 3.

1. 05SV-01 was targeted at the down-dip portion of the eastern extension of surface exposures and returned elevated gold values from wide sulphide-rich alteration zones surrounding quartz veins.
2. 05SV-02 was targeted at the down-dip portion of the western extension of surface exposures and returned elevated gold values from a sulphide-rich alteration zone surrounding quartz veins, which appears to be a continuation of the zone intersected in "01"
3. 05SV-03, 05SV-04, and 05SV-06 were targeted at the western extension of the system across Troutline Creek. Several widely spaced zones were intersected, indicating that the system continues to the west.
4. 05SV-05 was targeted at the western extension of the system at Troutline Creek, but was actually drilled south of the other drill holes. Two widely spaced zones were intersected, which were originally interpreted as new zones.
5. 05SV-07, 05SV-08, 05SV-10, and 05SV-11 were designed to define the western extension of the system.
6. 05SV-09 was targeted at the up dip extension of the intersections in 05-SV-04.

Subsequent re-interpretation suggests that what were initially interpreted to be many discontinuous sub-parallel zones are probably fault-offset segments of three primary zones. The central zone is highlighted on the 900m Level plane in Appendix D. Two significant faults are apparent; one paralleling Troutline Creek, and the second, later, crosscutting, and offsetting at 050. Both faults appear to be sub-vertical and have right lateral offset in the order of 2-300m. The Somerville System is about 900 m long as defined and is open to the east. A N-S trending fault appears to truncate or offset the system to the west. The possibility of an eastern extension of the system, related to a northerly-trending structure that might control the Backyard System, should be investigated. Potential exists to the west into the ECFZ adjacent to the argillite cap

Porcupine East System

The Porcupine East System comprises several previously known, easterly striking, mineralized quartz veins previously explored by drilling The veins are east of McDame Lake on the south side of McDame Creek next to the west side of Mystery Lake and appear to be the eastern extension of surface exposures known as the Davis Porcupine area. Drill hole

locations are summarized in Table 2 and shown in Figure 10; significant drill hole intersections are summarized in Table 3. The zone appears to have limited potential.

1. 05PE-01 was drilled to look for extensions to a vein swarm intersected in hole 83M-21. Only one narrow higher grade zone was intersected.

Table 3 : Significant Intersections

Hole ID	From (m)	To (m)	Core Length (m)	Au g/T
05BY-01	56.00	88.00	32.00	2.20
05BY-01	114.60	142.10	27.50	1.04
05BY-01	167.65	193.15	25.50	0.94
05BY-03	93.10	107.70	14.60	0.46
05BY-04	81.25	92.40	11.15	0.54
05BY-04	199.40	201.60	2.20	1.67
05BY-05	113.40	121.85	8.45	0.62
05BY-05	160.90	163.20	2.30	2.52
05BY-06	141.50	149.40	7.90	0.54
05PE-01	94.20	98.25	4.05	1.88
05PE-01	155.40	156.00	0.60	7.52
05SV-01	29.55	44.20	14.65	0.50
05SV-01	54.80	67.50	12.70	1.21
05SV-02	25.10	33.80	8.70	1.88
05SV-03	63.20	78.20	15.00	0.70
05SV-03	182.50	201.50	19.00	1.37
05SV-04	162.70	178.70	16.00	0.46
05SV-04	205.20	230.80	25.60	1.28
05SV-05	114.40	122.00	7.60	0.64
05SV-05	146.55	158.95	12.40	1.18
05SV-06	190.10	192.20	2.10	1.32
05SV-06	218.30	219.30	1.00	1.25
05SV-06	251.60	252.45	0.85	3.31
05SV-07	176.25	188.50	12.25	1.14
05SV-08	120.90	136.60	15.70	0.98
05SV-10	80.30	90.50	10.20	0.23
05SV-10	180.90	204.10	23.20	0.26

Soil Sampling

Description of Work

A small soil geochemical survey was completed in the Newcoast Area on the western portion of claim 514937. Eight (8) 150m lines, at 50m spacing, were sampled at 12.5m intervals. Lines were flagged employing compass, hip-chain, and hand held GPS. Line ends were surveyed by Lone Star Surveying employing RTK differential GPS. A total of ninety (90) B-horizon samples were taken and subjected to 35 element ICP analysis (Acme-Group 1DX). Analytical Procedures are outlined in Appendix E.

Results of Work

A broad NE-SW striking Au soil geochemical anomaly (>40PPB) occurs sub parallel to and north of Hwy 37. The anomaly is open at both ends and warrants further investigation. Figure 11 illustrates the area of the survey and the Au anomaly as defined. Sample notes indicate the possibility of contamination in many samples near existing surface disturbances.

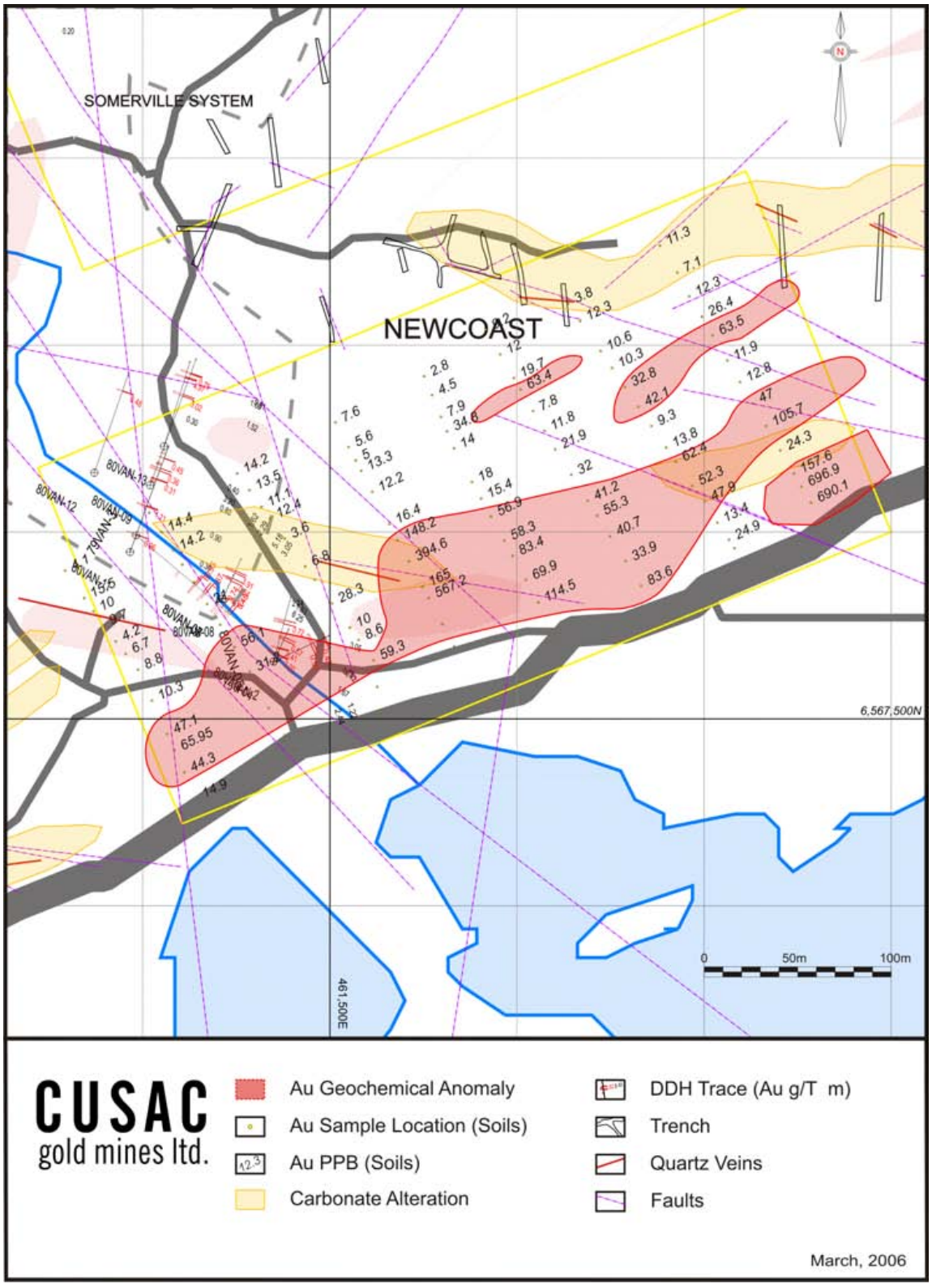

Figure 11 : Newcoast Area Compilation Map

Conclusions and Recommendations

The Taurus II project area has the potential to host a bulk mineable low grade Au resource.

Sketchley (2005) has recommended a follow up work program as follows:

"In order to explore for larger tonnage, near surface mineralization amenable to open pit mining in the Taurus II project area, a three phase exploration program with a budget of $1.53 million is recommended. The first phase comprises base line studies that are needed to develop targets; the second diamond drilling of high priority targets; and the third follow-up diamond drilling.

A description of the work program is as follows:

1. A GIS image base is required to ensure all information is compiled with appropriate geographic relationships.
2. Detailed historical geological mapping needs to be incorporated with GIS image base to provide a better understanding of the geological setting of the area.
3. Petrographic and gold occurrence studies are needed to understand gold relationships.
4. Soil sampling will update fragmented and spotty historical coverage to provide consistent coverage for GIS integration.
5. Magnetic and VLF-EM testing will help to understand the usefulness of these tools considering that the Bain Vein in the Cusac Mine area was discovered by following up a VLF-EM anomaly. Testing should be done over the Backyard and Newcoast areas.
6. Examination of outcrops and anomalies on the ground is needed to place all baseline information in context before investigation by drilling.
7. Surface land ownership in the area of the Backyard System should be obtained before further exploration is conducted.
8. Drilling should be done by diamond coring to understand geological relationships. An estimated cost of individual items is described herein.

Phase 1

1.	GIS imaging and aerial photo study	$ 50,000
2.	Compilation of remaining geological data	$ 30,000
3.	Petrographic and gold occurrence study	$ 10,000
4.	Soil sampling survey – 50 km @ 25 m spacing @ $20/sample	$ 40,000
5.	Magnetic and VLF-EM test study	$ 10,000
6.	Geological ground examination study	$ 20,000
7.	Support costs (food, lodging, 1st aid, vehicle, equipment)	$ 75,000
	Subtotal	$ 235,000

Phase 2

1.	Diamond drilling – 20 holes @ 200 m @ $160/m all up (includes mob, demob, drilling, logging, assaying, camp costs)	$ 640,000
	Subtotal	$ 640,000

Phase 3

1.	Diamond drilling – 20 holes @ 200 m @ $160/m all up (includes mob, demob, drilling, logging, assaying, camp costs)	$ 640,000
2.	Independent Qualified Person Site Visit, Review, and Report	$ 15,000
	Subtotal	$ 655,000

All Phases **Total** $ 1,530,000”

Respectfully submitted,

Michael J. Glover, B.Sc.

May 8, 2006

Appendices

Appendix A : Statement of Qualifications

I, Michael J. Glover, B.Sc., of
5351 Gainsburg Rd.,
Bowser, BC,

do hereby certify that:

I am a geology graduate of Lakehead University, Thunder Bay, Ontario, 1986.

I have practiced as a geologist, with minor interruptions, since 1984 for various companies in Canada and overseas.

I have been employed as a project/mine geologist at the Table Mountain Property by Cusac Gold Mines Ltd. more or less continuously since June 1995. The current work was supervised by Lesley Hunt and myself with Dale Sketchley acting as independent QP.

I may, at any given time, hold securities or options to acquire securities in Cusac Gold Mines Ltd.

Bowser, BC, May 8, 2006.

M. Glover, B.Sc.

Appendix B : Cost Statement

Cusac Gold Mines Ltd. - Taurus II Project - Phase II & III

Note All Figures Include PST & GST

Date	EXPENSES	Geology Support	Camp Expenses (General)	Groceries	Camp Support Costs	Drilling Direct Costs	Fuel (Non Drilling)	Camp Maint.	Totals
30-Jun-05	Cash Advance Dan Brett				3,500.00				3,500.00
30-Jun-05	Invoice Mike Glover	1,712.00							1,712.00
30-Jun-05	Invoice Lesley Hunt	5,276.35	352.42	393.86					6,022.63
6-Jul-05	Tire repair		19.26						19.26
14-Jul-05	Groceries (WL CIBC)			1,097.95					1,097.95
14-Jul-05	Roy Stewart (brushing) (WL CIBC)	460.00							460.00
14-Jul-05	Kevin Johnny (brushing) (WL CIBC)	460.00							460.00
14-Jul-05	Ambulance Insurance		383.00						383.00
15-Jul-05	Invoice Snow Mtn. Contracting (WL CIBC)							692.82	692.82
15-Jul-05	Invoice Black Fox				2,062.50				2,062.50
15-Jul-05	Invoice Lesley Hunt	6,259.50	3,437.64	848.91	100.58		54.18	45.67	10,746.48
15-Jul-05	Invoice C&S				2,154.91				2,154.91
15-Jul-05	Invoice Mike Glover	5,564.00							5,564.00
15-Jul-05	Travel Exp.Mike Glover May15-July15 (WL CIBC)	744.53							744.53
15-Jul-05	fuel (WL CIBC)						130.23		130.23
16-Jul-05	General expenses (WL CIBC)		2,000.01	41.24					2,041.25
18-Jul-05	Core Box Delivery(2 flats)					397.24			397.24
18-Jul-05	Sperry Sun (2 months)					2,996.00			2,996.00
18-Jul-05	Sperry Sun Shipping to Minesite					107.00			107.00
20-Jul-05	Sample Shipping Dease to Smithers					812.88			812.88
20-Jul-05	Sample Shipping Smithers to Van					561.23			561.23
21-Jul-05	Core Boxes (360 bxs, - 3 flats)					4,493.88			4,493.88
25-Jul-05	Sample Shipping Dease to Smithers					355.54			355.54
25-Jul-05	Sample Shipping Smithers to Van					244.59			244.59
28-Jul-05	Groceries (WL CIBC)			1,017.86					1,017.86
28-Jul-05	Tire repair		32.00						32.00
28-Jul-05	Core Rack Material					355.50			355.50
29-Jul-05	Sample Shipping Dease to Smithers					595.60			595.60
29-Jul-05	Sample Shipping Smithers to Van					408.69			408.69
29-Jul-05	Groceries			13.40					13.40
31-Jul-05	DJ Drilling Invoice(BY-01, 02, 03, 04, SV-01,02)					79,411.92			79,411.92
31-Jul-05	Invoice Snow Mtn. Contracting (WL CIBC)							861.39	861.39

Note All Figures Include PST & GST

Date	EXPENSES	Geology Support	Camp Expenses (General)	Groceries	Camp Support Costs	Drilling Direct Costs	Fuel (Non Drilling)	Camp Maint.	Totals
31-Jul-05	Invoice Black Fox				4,400.00				4,400.00
31-Jul-05	Invoice Lesley Hunt	8,641.76	2,164.95	98.47		1,374.11		640.21	12,919.50
31-Jul-05	Invoice C&S				4,547.50				4,547.50
31-Jul-05	Invoice Mike Glover	6,848.00							6,848.00
31-Jul-05	Invoice Dan Brett				6,420.00				6,420.00
4-Aug-05	Groceries (WL CIBC)			1,104.37					1,104.37
5-Aug-05	ACME Analytical Labs					2,721.84			2,721.84
5-Aug-05	Insurance for Exploration Truck (Sierra)		333.00						333.00
5-Aug-05	Sample Shipping Dease to Smithers					346.42			346.42
5-Aug-05	Sample Shipping Smithers to Van					254.86			254.86
8-Aug-05	generator parts							41.41	41.41
8-Aug-05	Bandstra,shipping core boxes to Dease Lake								0.00
9-Aug-05	Flights for Dan to Van		287.48						287.48
10-Aug-05	Sample Shipping Smithers to Van					506.92			506.92
10-Aug-05	ACME Analytical Labs					1,453.85			1,453.85
10-Aug-05	Repair Sierra							2,557.03	2,557.03
11-Aug-05	Groceries (WL CIBC)			890.72					890.72
15-Aug-05	MJGlover Expenses (WL CIBC)		106.64	3.56			176.81	119.88	406.89
15-Aug-05	Invoice Black Fox	4,125.00							4,125.00
15-Aug-05	Invoice Lesley Hunt	5,189.50	790.77				80.94	2.99	6,064.20
15-Aug-05	Invoice C&S				4,012.50		60.00		4,072.50
15-Aug-05	Invoice Mike Glover & Expenses	6,420.00	31.34	3.56			176.81	134.23	6,765.94
15-Aug-05	Sample Shipping Dease to Smithers					398.09			398.09
15-Aug-05	Sample Shipping Smithers to Van					471.92			471.92
15-Aug-05	Lonestar Surveying					7,490.00			7,490.00
15-Aug-05	DJ Drilling Invoice(PE-01, BY-05,06, SV-03)					61,369.58			61,369.58
16-Aug-05	Fuel (Pacesetter Petroleum)					17,211.94			17,211.94
17-Aug-05	Helicopter flights for Exploration Reconnaissance	1,441.29							1,441.29
18-Aug-05	Groceries (WL CIBC)			1,208.86					1,208.86
19-Aug-05	ACME Analytical Labs					3,017.86			3,017.86
19-Aug-05	Sample Shipping Dease to Smithers					685.25			685.25
19-Aug-05	Sample Shipping Smithers to Van					700.54			700.54
22-Aug-05	Cash Advance Dan Brett				500.00				500.00

Note All Figures Include PST & GST

Date	EXPENSES	Geology Support	Camp Expenses (General)	Groceries	Camp Support Costs	Drilling Direct Costs	Fuel (Non Drilling)	Camp Maint.	Totals
22-Aug-05	Core Boxes (240 bxs, - 2 flats)					3,018.72			3,018.72
24-Aug-05	Sample Shipping Dease to Smithers					651.83			651.83
24-Aug-05	Sample Shipping Smithers to Van					450.29			450.29
25-Aug-05	Groceries (WL CIBC)			649.22					649.22
27-Aug-05	ACME Analytical Labs					1,500.25			1,500.25
27-Aug-05	ACME Analytical Labs					1,157.94			1,157.94
31-Aug-05	Invoice Black Fox				4,125.00				4,125.00
31-Aug-05	Invoice Lesley Hunt	9,582.42	874.05			1,045.08	173.98	107.17	11,782.70
31-Aug-05	Invoice C&S				4,220.16				4,220.16
31-Aug-05	Invoice Mike Glover	3,852.00							3,852.00
31-Aug-05	Invoice Dan Brett				5,136.00			1,070.00	6,206.00
31-Aug-05	DJ Drilling Invoice (SV-04, 05, 06)					67,684.99			67,684.99
31-Aug-05	Sample Shipping Dease to Smithers					762.74			762.74
31-Aug-05	Sample Shipping Smithers to Van					556.05			556.05
	Phase II Expense Totals	**66,576.35**	**10,812.56**	**7,371.98**	**41,179.15**	**265,571.14**	**852.95**	**6,272.80**	
	per diem / meter costs	1,387.01	**225.26**	**153.58**	**857.90**	**108.66**	**17.77**	**130.68**	
2-Sep-05	ACME Analytical Labs					1,334.12			1,334.12
3-Sep-05	Managers' House maintenance (tiles/lights)							675.24	675.24
7-Sep-05	ACME Analytical Labs					2,340.86			2,340.86
9-Sep-05	Core Rack Material					337.05			337.05
14-Sep-05	Sample Standards (CDN Resource Lab.)					333.44			333.44
15-Sep-05	ACME Analytical Labs					2,475.13			2,475.13
20-Sep-05	ACME Analytical Labs					2,693.44			2,693.44
30-Sep-05	Invoice Lesley Hunt	8,265.75	1,518.34	255.50		83.50			10,123.09
30-Sep-05	Invoice Mike Glover	5,136.00							5,136.00
30-Sep-05	Invoice Dan Brett				5,804.75			1,070.00	6,874.75
11-Oct-05	ACME Analytical Labs					32.64			32.64
11-Oct-05	ACME Analytical Labs					32.64			32.64
11-Oct-05	ACME Analytical Labs					65.27			65.27
11-Oct-05	ACME Analytical Labs					65.27			65.27
11-Oct-05	ACME Analytical Labs					163.18			163.18
15-Oct-05	Invoice Mike Glover	3,424.00							3,424.00

Note All Figures Include PST & GST

Date	EXPENSES	Geology Support	Camp Expenses (General)	Groceries	Camp Support Costs	Drilling Direct Costs	Fuel (Non Drilling)	Camp Maint.	Totals
17-Oct-05	Sample Standards (CDN Resource Lab.)					333.44			333.44
26-Oct-05	Sample Shipping Dease to Smithers					924.71			924.71
26-Oct-05	Sample Shipping Smithers to Van					1,016.45			1,016.45
31-Oct-05	Invoice Black Fox				3,120.00				3,120.00
31-Oct-05	Invoice Lesley Hunt	12,519.00	310.69	2,586.08	106.17	200.80	273.69	327.22	16,323.65
31-Oct-05	Invoice & Expenses Mike Glover	5,992.00	481.08						6,473.08
3-Nov-05	ACME Analytical Labs					3,216.23			3,216.23
3-Nov-05	Invoice C&S				4,803.31				4,803.31
6-Nov-05	Invoice Black Fox				1,320.00				1,320.00
15-Nov-05	Invoice Mike Glover	5,564.00							5,564.00
15-Nov-05	DJ Drilling Invoice(SV-07 to 11 incl)					82,754.87			82,754.87
15-Nov-05	Sperry Sun (1 month)					1,498.00			1,498.00
30-Nov-05	Invoice Lesley Hunt	10,367.55	902.43						11,269.98
30-Nov-05	Invoice Mike Glover	1,284.00	470.62					486.65	2,241.27
30-Nov-05	Invoice Dan Brett				9,523.00				9,523.00
17-Nov-05	ACME Analytical Labs					10,369.73			10,369.73
									0.00
		119,128.65	**14,495.72**	**10,213.56**	**65,856.38**	**375,841.91**	**1,126.64**	**8,831.91**	**595,494.77**

(Phase II)

(Phase III)

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Appendix D : Sections and Plans

Key

- Roads
- Water
- DDH Collar ID (05SV-06)
- DD Trace
- Thrust Contact
- Fault
- Carbonate Alt'n
- Quartz Vein

Cassiar Road

Somerville System

BackYard System

Troutline Creek

Hwy 37

0 50m 100m

6568500 Y
6568400 Y
6568300 Y
6568200 Y
6568100 Y
6568000 Y
6567900 Y
6567800 Y
6567700 Y
6567600 Y

461200 X
461300 X
461400 X
461500 X
461600 X
461700 X
461800 X
461900 X
462000 X
462100 X
462200 X

61400E
61500E
61600E
61700E
61800E
61900E
62000E
62100E
62200E
62300E
62400E
62500E

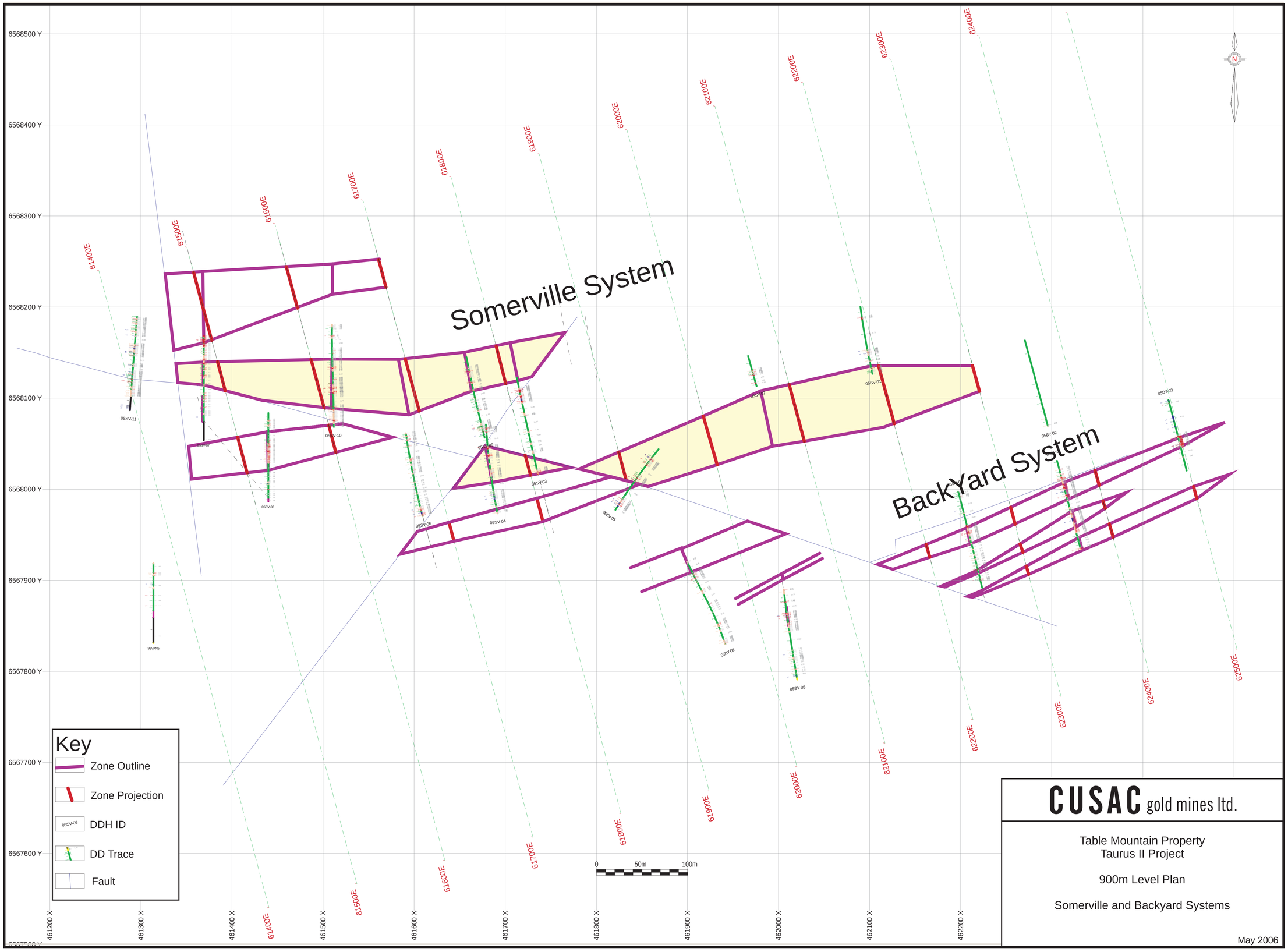
CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

Surface Plan and Section Index

Somerville and Backyard Systems

May 2006


Somerville System
BackYard System
Key
Zone Outline
Zone Projection
05SV-06
DDH ID
DD Trace
Fault
0
50m
100m
CUSAC gold mines ltd.
Table Mountain Property
Taurus II Project
900m Level Plan
Somerville and Backyard Systems
May 2006

CUSAC gold mines ltd.

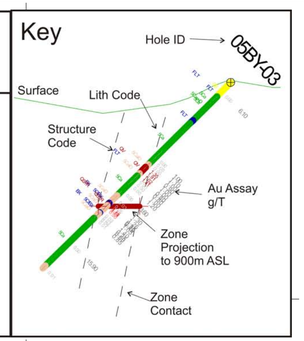
Table Mountain Property
Taurus II Project

Backyard System

Vertical Cross Section

62500E

Looking 255 May, 2006



1000 Y

900 Y

800 Y

100 X

200 X

300 X

400 X

500 X

600 X

05BY-03

-20 0 20 40 60 80 100

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

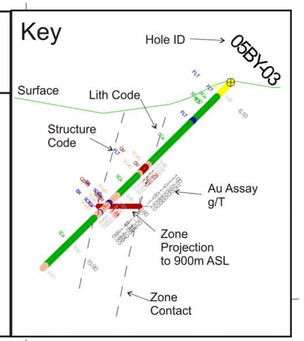
Backyard System

Vertical Cross Section

62400E

Looking 255

May, 2006



1000 Y

900 Y

800 Y

05BY-02

05BY-01

-20 0 20 40 60 80 100

100 X

200 X

300 X

400 X

500 X

600 X

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

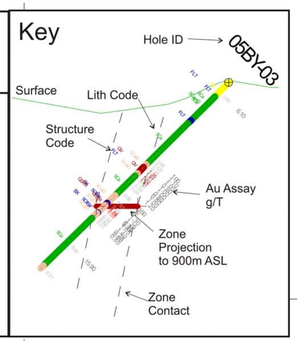
Backyard and Somerville Systems

Vertical Cross Section

62300E

Looking 255 May, 2006

Key



1000 Y

900 Y

800 Y

100 X

200 X

300 X

400 X

500 X

600 X

-20 0 20 40 60 80 100

CUSAC gold mines ltd.

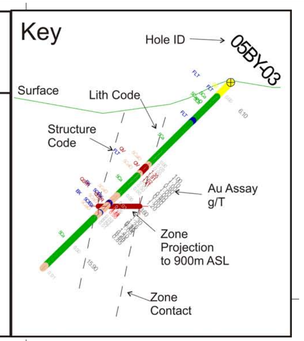
Table Mountain Property
Taurus II Project

Backyard and Somerville Systems

Vertical Cross Section

62200E

Looking 255 May, 2006



1000 Y

900 Y

800 Y

05BY-04

05SV-01

-20 0 20 40 60 80 100

100 X 200 X 300 X 400 X 500 X 600 X

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

Somerville System

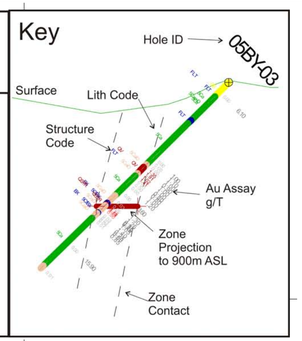
Vertical Cross Section

62100E

Looking 255

May, 2006

Key



1000 Y

900 Y

800 Y

05SV-02

-20 0 20 40 60 80 100

100 X 200 X 300 X 400 X 500 X 600 X

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

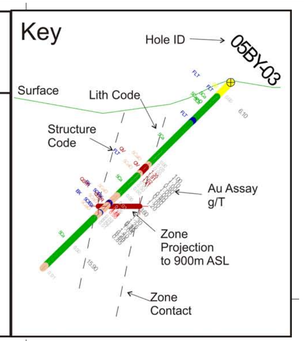
Somerville System

Vertical Cross Section

62000E

Looking 255

May, 2006



1000 Y

900 Y

800 Y

05BY-05

05BY-06

-20 0 20 40 60 80 100

100 X 200 X 300 X 400 X 500 X 600 X

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

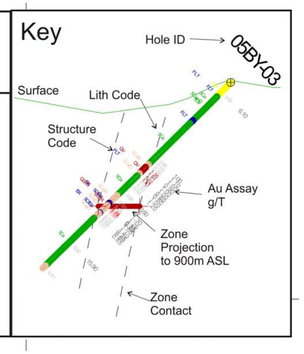
Somerville System

Vertical Cross Section

61900E

Looking 255

May, 2006



1000 Y

900 Y

800 Y

100 X

200 X

300 X

400 X

500 X

600 X

05SY-05

05BY-06

-20 0 20 40 60 80 100

CUSAC gold mines ltd.

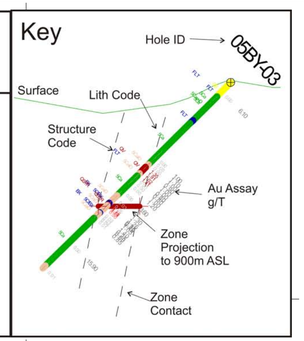
Table Mountain Property
Taurus II Project

Somerville System

Vertical Cross Section

61800E

Looking 255 May, 2006



CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

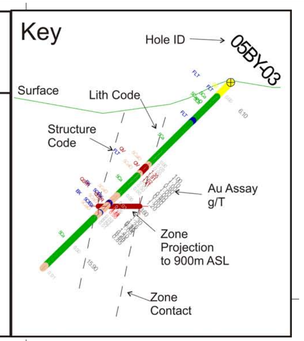
Somerville System

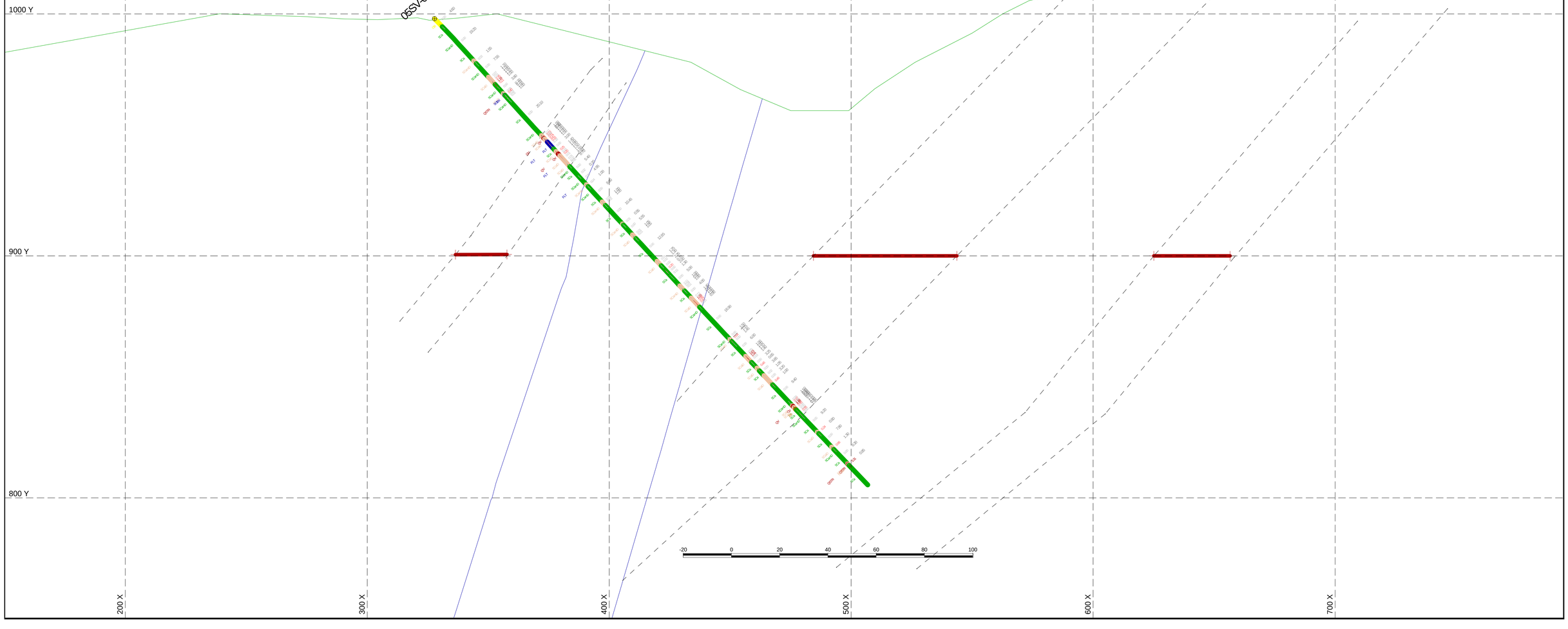
Vertical Cross Section

61700E

Looking 255

May, 2006





CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

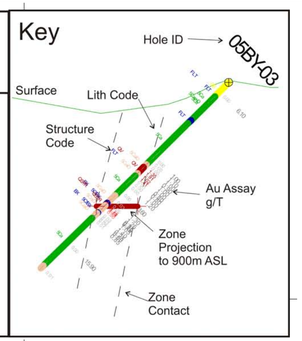
Somerville System

Vertical Cross Section

61600E

Looking 255 May, 2006

Key



1000 Y

900 Y

800 Y

05SV-10

-20 0 20 40 60 80 100

200 X 300 X 400 X 500 X 600 X 700 X

CUSAC gold mines ltd.

Table Mountain Property
Taurus II Project

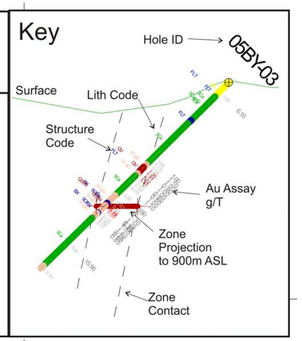
Somerville System

Vertical Cross Section

61500E

Looking 255 May, 2006

Key



1000 Y

900 Y

800 Y

05SV-08

05SV-07

-20 0 20 40 60 80 100

200 X 300 X 400 X 500 X 600 X 700 X

CUSAC gold mines ltd.

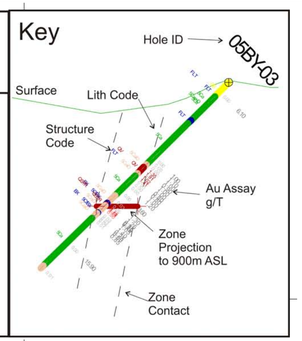
Table Mountain Property
Taurus II Project

Somerville System

Vertical Cross Section

61400E

Looking 255 May, 2006



1000 Y

900 Y

800 Y

95VAN5

05SV-11

-20 0 20 40 60 80 100

200 X 300 X 400 X 500 X 600 X 700 X

CUSAC gold mines ltd.

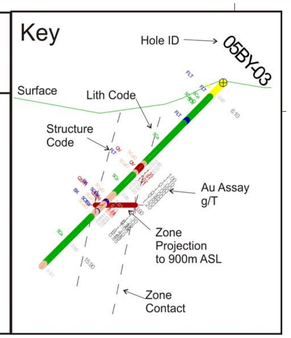
Table Mountain Property
Taurus II Project

Porcupine East System

Vertical Cross Section

462900E (UTM) Looking 270

May, 2006



1000 Y

900 Y

800 Y

700 Y

-100 X

0 X

100 X

200 X

300 X

400 X

500 X

05PE-01

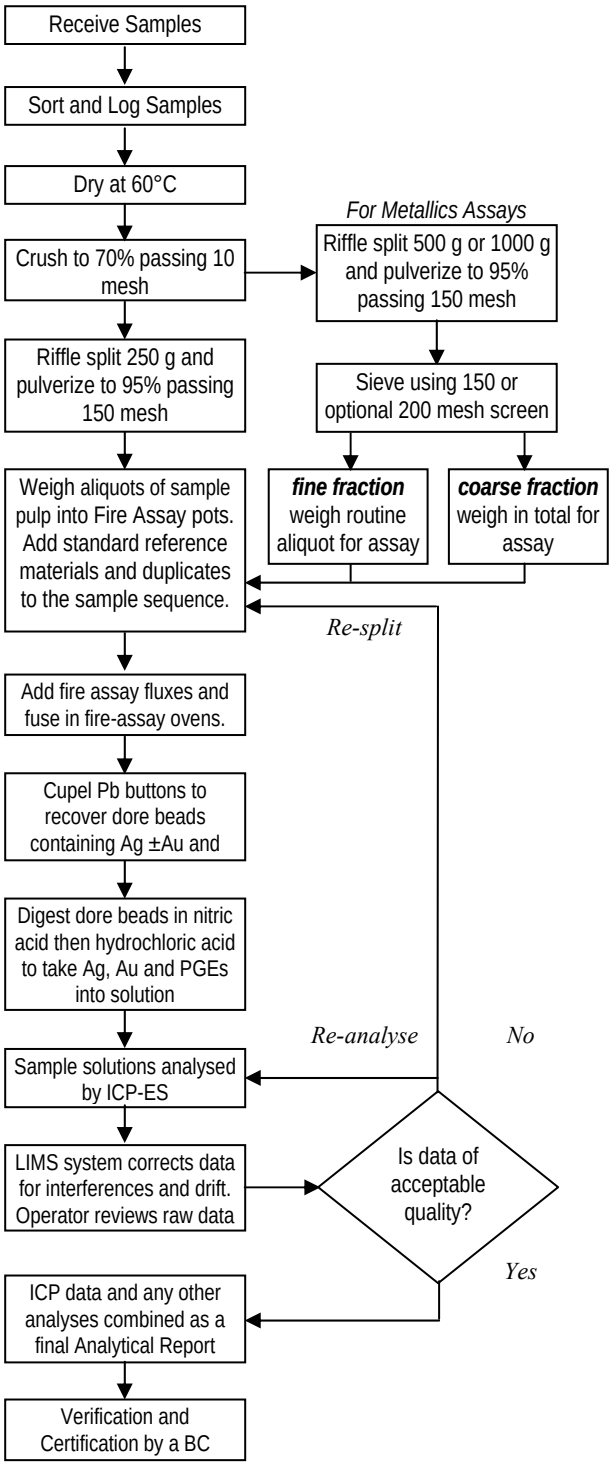
81-003

-20 0 20 40 60 80 100

Appendix E : Analytical Procedures

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE
GROUP 6 – PRECIOUS METALS ASSAY

Analytical Process



Comments

Sample Preparation

Rock and drill core are jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 μm) in a mild-steel ring-and-puck mill. One assay ton aliquots (29.2 g) are weighed into fire assay crucibles. Option for 2 assay-ton aliquots is available on request. Smaller aliquots of ¼ or ½ assay ton may be required with difficult ore matrices.

Metallics Assay: A 500 g reject split (or optional 1000 g) is pulverized to 95% passing 150 mesh. Screening the pulp gives a fine and coarse fraction (containing any coarse gold) for assaying.

Sample Digestion

The sample aliquot is custom blended with fire assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050°C liberates Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered placed in a cupel and fired at 950°C to render a Ag ± Au ± PGEs dore bead. The bead is weighed and parted (i.e. leached in 1 mL of hot HNO_3) to dissolve Ag leaving a Au sponge. Adding 10 mL of HCl dissolves the Au ± PGE sponge. A Rh fire assay requires inquarting with Au.

Sample Analysis

Solutions are analysed for Ag, Au, Pt, Pd and Rh on a Jarrel-Ash Atomcomp model 975 ICP emission spectrometer. Au in excess of 30 g/t forms a large sponge that can be weighed (gravimetric finish). Ag in excess of 300 g/t is reported from the fire assay solution otherwise a separate split is digested in aqua regia and analysed by ICP-ES.

Metallics Assay: The coarse fraction is assayed in total. An aliquot of the fine fraction is assayed. Results report the total Au in the coarse fraction, the fine-fraction Au concentration and a weighted average Au concentration for the entire sample.

Quality Control and Data Verification

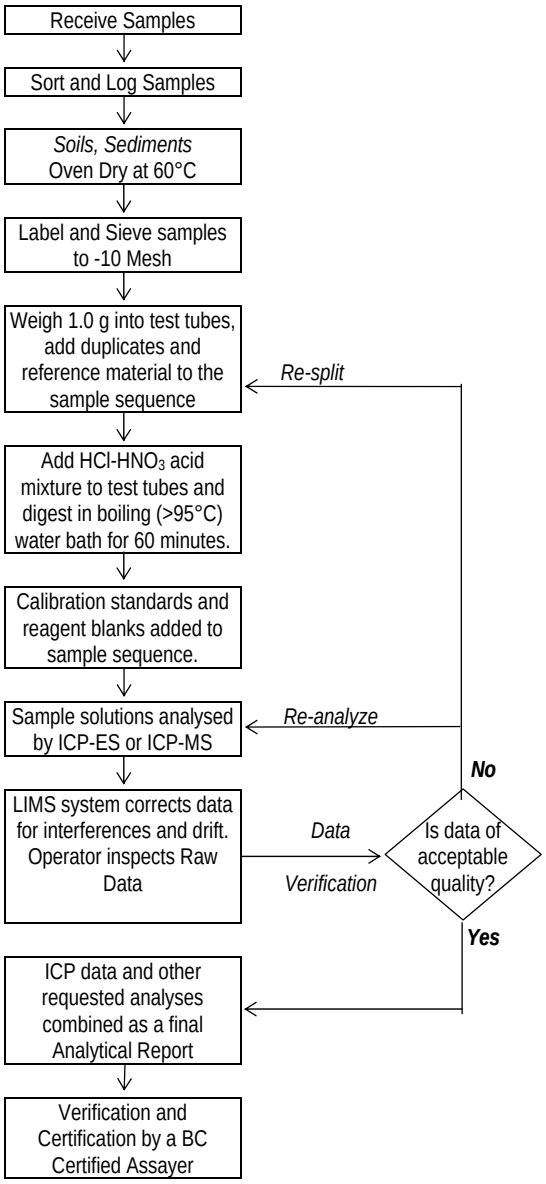
An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) as the first sample carried through all stages of preparation to analysis, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD AU-1, AG-2 or FA-10R to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Ken Kwok, Marcus Lau, Dean Toye and Jacky Wang.

852 East Hastings Street • Vancouver • British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Facsimile: (604) 253-1716 • Toll Free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX - ICP ANALYSIS – SALM PROCEDURE

Analytical Process



Comments

Sample Preparation

Soil is dried at 60°C then sieved to -10 mesh (-2 mm). Aliquots of 1.0 g are weighed into test tubes. QA/QC protocol includes inserting two duplicates of pulp to measure analytical precision and an aliquot of in-house reference material STD DS3 to measure accuracy in each analytical batch of 34 samples. In addition, aliquots of certified reference materials TILL-1 and NIST 2711 are alternately inserted after every 10th sample.

Sample Digestion

To each sample is added 6 mL of a 1:1 mixture of ACS grade concentrated HCl and concentrated HNO_3. Samples are digested for one hour in a hot water bath (>95°C). QA/QC protocol requires simultaneous digestion of two regent blanks randomly inserted in each batch.

Sample Analysis

Group 1D: sample solutions are aspirated into a Jarrel Ash AtomComp 800 or 975 ICP emission spectrograph to determine the following 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: sample solutions are aspirated into a Perkin Elmer Elan 6000 ICP mass spectrometer to determine the following 35 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Tl*, Sr, Th, Ti, U, V, W, Zn.

Data Evaluation

Raw and final data undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

852 East Hastings Street • Vancouver • British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Facsimile: (604) 253-1716 • Toll Free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

Appendix F : Diamond Drill Hole Logs

Key to Lithological Codes and Abbreviations

QVLT	Quartz Veinlet
QVBX	Quartz Vein BX
QVb	Quartz Vein Bull
QV	Quartz Vein
QSTWK	Quartz Stockwork
QSTRZ	Quartz Stringer Zone
QSTR	Quartz Stringer
QCV	Quartz Carbonate Vein
OB	Overburden
FLT	Fault
7c	Listwanite
7b	Listwanite
5Dd	Graphitic Argillite
5CfBXr	Cherty Matrix BX, Rewk'd
5CfBXg	Cherty Matrix BX, Graph
5CfBXb	Cherty Matrix BX, Black
5CfBX	Cherty Matrix BX
5CeBX	Brecciated Cherty Tuffs
5Ce	Cherty Tuff / Tuffaceous chert
5Cd	Argillaceous Chert
5CamD	Volcanics, ModDol
5CamiD	Volcanics, Mod-IntDol
5CaiD	Volcanics, IntDol
5CaiDBX	Volcanics, IntDol BX'd
5CaBXg	Volcanics, Int Graph BX'n
5CaBX	Volcanics, BX'd
5Ca/5Ce	Volcanics/Cherty Tuffs
5Ca	Volcanics
10a	Mafic Dyke
10b	Lamprophyre Dyke

w	weak
m	moderate
i	intense
(p)	pervasive
(f)	fracture controlled

vfgr	Very fine grained
fgr	Fine grained
mgr	Medium Grained
cgr	Coarse Grained
CSE	Coarse sub to euhedral (Py)

BX	Breccia
BX'n	Brecciation
CBX	Crackle Breccia
vnlt	Veinlet
str	Stringer

D	Dolomite/dolomitization
Ser	Sericite
Sil	Silica
K	Clay
Chl	Chlorite
Gf	Graphite
M	Mariposite
Ca	Carbonate/Calcite
Q/Qtz	Quartz
alt'n	Alteration
frac ('d)	fracture (d)

Py	Pyrite
sph	Sphalerite
cpy	Chalcopyrite
tet	Tetrahedrite
aspy	Arsenopyrite
VG	Visible Gold
FeOX	Iron Oxides

TCA	to core axis (angles)
UC	Upper contact
LC	Lower contact

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-01

Collar Details			Purpose:	Started	July 16, 2005			
Longitude	462300.56	E	Test BY continuity and grade at depth.	Finished	July 18, 2005			
Latitude	6568050.59	N		Logged By:	L. Hunt		M. Glover	
Elevation	970.09	m ASL		Tests	Depth	Az	Dip	
End of Hole	205.80	m			0.0	165.0	-45.0	
Azimuth	165.00				99.0	165.0	-45.0	
Dip	-45.00				190.0	165.0	-44.0	

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	5.50	OB		Overburden	Casing through Overburden														
5.50	17.20	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. 5.5-8.5 mFrac'd with FeOx. 8.5-14.4 v Weak fabric normal to CA. wChl. Masssive medium green. No distinct fabric.														
17.20	17.60	FLT	FLT	Fault	Soil?. Distinct discrete fracture. No PDO														
17.60	42.30	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Local primary BX textures. 20.5-21.4 f-mgr, possible flow core or SV intrusive. 27.5-27.9 Weak qtz/carb str zone in Dol alt'n 29.8-29.9 i Prop alt'n Flow contact. 35.3-36.0 Frac zone, wCarb. 41.9-42.3 wFrac zone. Chl.														
42.30	43.60	5CaiD		Volcanics, IntDol	Intensely dolomitized meta-basalts.Distinct irregular upper contact. Buff alt'n. iD, iSer, iSi, iPy. White clay on fractures. Irregular fine late mm scale vlts. 42.9 2-3cm qtz carb vnlt @20TCA with clotty Py to 3mm	42.30	43.60	44301	1.30	2.18	4.0								i
43.60	49.30	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), medium grained, competent, massive, dark green, meta-basalts. Local jasperitic/qtz/chl vlts.														
49.30	51.40	5CaiD		Volcanics, IntDol	Pale greenish grey mottled iSer, mSil, wPy to local mPy (clotty euhedral to 4mm). 50.45-50.55 Barren milky white Qtz Str @25TCA. 2cm TW.	49.30	50.35	44302	1.05	0.03	0.5								i
						50.35	51.40	44303	1.05	0.22	0.5								i
51.40	54.20	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally medium grained, competent, massive, dark green, meta-basalts.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
54.20	56.00	5CaiD		Volcanics, IntDol	Mottled light grey/apple green iSer, mSi, wPy, mK(p). Weak penetrative fabric @15TCA. @54.7 irregular Qtz veinlet 1-3cm with 1 2mm speck Sph @55.2 Qtz/carb vlt. TW 5cm @20TCA. Tr fgr Sph in frac. 10cm halo to vlt has to 7% Cgr sub- to euhedral Py. (CSE).	54.20	54.80	44304	0.60	0.13	0.3				tr				i
						54.80	56.00	44306	1.20	0.18	0.3								i
56.00	57.80	QSTRZ	QSTRZ	Quartz Stringer Zone	Mottled light grey/apple green iSer, mSil, hosts 20% white qtz/carb strs and vlts. 56.9-57.2 Str. Heavily pyritized with clotty CSE Py to 4mm esp @FW. 57.5-57.55 Qvlt TW 3-4cm @15TCA. with 95% CSE Py.	56.00	56.90	44307	0.90	0.88	3.0									i
						56.90	57.80	44308	0.90	36.06	3.0							2	i
57.80	59.15	5CaiD		Volcanics, IntDol	iD medium grained mottled, iSer, iSil, mPy. @58.3 distinct change to mSer, iPy. Py is vfgr throughout.	57.80	58.30	44309	0.50	1.94	1.0	2.0							i
						58.30	59.15	44311	0.85	0.10		10.0							m
59.15	59.30	5CfBX	BX	Cherty Matrix BX	UC @ 25TCA. iK gouge. Dark grey chalcedonic matrix hosts angular iD frags. 5CfBX is irregular 3-5cm vlt in 5CaBX with matrix leached completely. fgr Py in Chal matrix to 0.25%	59.15	59.30	44312	0.15	0.06		0.5							
59.30	59.60	5CaiD		Volcanics, IntDol	Intensely dolomitized meta-basalts. Pale grey buff alt'n with and fine-grained Py in fractures	59.30	59.60	44313	0.30	0.06		50.0							
59.60	59.70	5CaiDBX		Volcanics, IntDol BX'd	iD, iPy (fgr) hosts angular iD frags. Few rounded qtz frags.	59.60	59.70	44314	0.10	0.10		10.0							
59.70	65.90	5CaiD		Volcanics, IntDol	59.7-60.4 Fgr mottled grey mSer, mSil, fgr Py in 1-2mm fractures and mm scale Qvlts. Few CSE diss and fgr Py diss throughout. 60.4-63.65 iD, wSer, mSil, mK(p) mgr, medium grey, white clay filled fracs locally, No PDO. Fleshy pink Dol in mm scale blebs diss throughout. 62.65-64.7 iD frac Py zone as per 59.7-60.4 Fractures completely filled with fgr Py. 64.7-65.9 relatively massive fgr medium grey mSil, very patchy m-iPy	59.70	60.40	44315	0.70	0.07	0.1	0.5							m
						60.40	61.55	44316	1.15	0.07	0.5	5.0							w
						61.55	62.65	44317	1.10	0.06	0.5	5.0							w
						62.65	63.70	44318	1.05	0.04			0.5						m
						63.70	64.70	44319	1.00	0.05			0.5						
						64.70	65.90	44321	1.20	0.06		2.0	2.0						
65.90	68.60	QSTRZ	QSTRZ	Quartz Stringer Zone	15% 0.5-3cm irregularly oriented milky white qstrs in miD 5Ca.	65.90	66.80	44322	0.90	1.94	5.0								
						66.80	67.70	44323	0.90	2.30	5.0								
						67.70	68.60	44324	0.90	4.22	5.0								
68.60	71.10	5CaiD		Volcanics, IntDol	Mottled grey and pale pink vfgr. Mottling function of iPy replacement supporting (replacing) iD frags. iD frags are relatively barren of Py. iPy as vfgr disseminations.	68.60	69.70	44325	1.10	0.38	1.0	20.0							
						69.70	70.50	44326	0.80	0.05		20.0							
						70.50	71.10	44327	0.60	0.28		2.0							
71.10	74.00	QSTRZ	QSTRZ	Quartz Stringer Zone	iD 5Ca, vfgr grey to pink moderately fractured with Py/Qtz/Chl in fractures. Few graph/Py filled fractures. ifgr	71.10	72.00	44328	0.90	1.60	2.0	1.0							
						72.00	73.00	44329	1.00	1.47	2.0	1.0							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
					Py diss throughout. iD5Ca with CSE in pathes to 2cm. 10% Q/C vlts avg 4cm. Avg 0.5% fgr diss Py in vlts.	73.00	74.00	44331	1.00	3.95	2.0	1.0							
74.00	77.00	5CaiD		Volcanics, IntDol	Light grey with pink tinge, fgr, rel massive to weakly fractured. No PDO. vfgr and frac controlled py 3-5% total.	74.00	75.50	44332	1.50	0.32		3.0	2.0						
						75.50	77.00	44333	1.50	0.04		3.0	2.0						
77.00	77.40	5CfBX	BX	Cherty Matrix BX	Dark grey chalcedonic matrix with fgr diss Py hosts ang iD and Qtz frags. Middle portion of unit is frac'd QV. Irregular contacts. Lower 10cm is msv Py.	77.00	77.40	44334	0.40	0.34	2.5	35.0							
77.40	78.90	5CamD		Volcanics, ModDol	Moderately dolomitized meta-basalts.	77.40	78.90	44335	1.50	0.05		3.0							
78.90	83.00	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. mK(p), wK(frac). q/C vlts to 4mm														
83.00	83.90	5CaiD		Volcanics, IntDol	Buff pink wSer, iSil, CSE to 10mm, avg 2-3mm	83.00	83.90	44336	0.90	2.75	2.0								w
83.90	85.45	QV	QV	Quartz Vein	FW/HW @20TCA. Mostly snow white qtz with minor creamy carbonate in irregular patches. Numerous Graph/K/Py filled fractures and iD wallrock inclusions. Clotty Py patches to 2cm and some fgr Py diss throughout.	83.90	84.70	44337	0.80	8.06	1.0					0.3			
						84.70	85.45	44338	0.75	4.78	2.0					0.3			
85.45	88.00	5CaiD		Volcanics, IntDol	Intensely dolomitized meta-basalts. cfgr buff to pink. CSE to 6mm	85.45	86.95	44339	1.50	4.41	3.0								
88.00	92.40	5Ca		Volcanics	Weakly altered to moderately dolomitized, generally fine grained, competent, massive, muddy grey green, meta-basalts. mK(p) Chl fracs with Ep.	86.95	88.00	44341	1.05	0.79	3.0								
92.40	93.85	5CaiD		Volcanics, IntDol	Intensely dolomitized meta-basalts.Mottled pink grey, moderately fractured with irregular mm scale Py filling. WSer, mSil.	92.40	93.85	44342	1.45	0.10			1.0						w
93.85	103.95	5Ca		Volcanics	Grey-green mD grades to wD. Weakly frac'd with Chl/Ep/K on fracs. Local iD patches to 10cm appear to be assoc with selvages?														
103.95	107.60	5CaiD		Volcanics, IntDol	Pale pink moderately fractured. K in some fracs. Local iCBX.	103.95	105.40	44343	1.45	0.04			1.0						
						105.40	106.50	44344	1.10	0.10			1.0						
						106.50	107.60	44345	1.10	0.08			1.0						
107.60	109.30	5Ca		Volcanics	Gradational upper contacts. Light green wD m-iK(p). Relatively massive. Few fractures with white K filling.	107.60	108.50	44346	0.90	0.01									
						108.50	109.30	44347	0.80	0.01									
109.30	113.85	5CaiD		Volcanics, IntDol	Medium pinkish grey fine grained, modeately fractured with muddy Py and Chl filling. Some locallized white clay in fracs.	109.30	110.50	44348	1.20	0.03			4.0						
						110.50	111.70	44349	1.20	0.07			4.0						
						111.70	112.90	44351	1.20	0.10			7.0						
						112.90	113.85	44352	0.95	0.21	0.3	0.5	3.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
113.85	114.60	QV	QV	Quartz Vein	Milky white, weakly fractured. Irreg FW @60TCA. HW@45TCA. FW 15cm m-i frac with 5cm muddy patches and Py slips at 40-50TCA.	113.85	114.60	44353	0.75	0.11			0.5						
114.60	121.00	5CaiD		Volcanics, IntDol	Medium buff to pink, fgr, m-i frac'd, mSil. 116.2- iFrac'd variable Py ranges from muddy fracture fillings to fgr diss to patches of fgr diss to CSE diseeminations.	114.60	115.90	44354	1.30	2.03	4.0	2.0							
						115.90	117.20	44355	1.30	0.11	0.2	5.0	2.0						
						117.20	118.50	44356	1.30	0.08	0.2	5.0	2.0						
						118.50	119.70	44357	1.20	0.09	1.0	3.0	3.0						
						119.70	121.00	44358	1.30	1.73	4.0	3.0	3.0						
121.00	127.05	FLT	BX	Fault	UC gradational through iFrac zone. Rubbly core. 5CaiD iFrac'd with iFrac'd qtz frags (ang and rounded). iBx throughout. 1% CSE throughout 4% fgr diss Py, 3% frac and muddy Py.	121.00	122.20	44359	1.20	2.38	1.0	4.0	3.0						
						122.20	123.40	44361	1.20	0.69	1.0	4.0	3.0						
						123.40	124.60	44362	1.20	1.10	1.0	4.0	3.0						
						124.60	125.70	44363	1.10	1.62	1.0	4.0	3.0						
						125.70	127.05	44364	1.35	1.68	1.0	4.0	3.0						
127.05	145.80	5CaiD		Volcanics, IntDol	127.05-139 Medium grey moderately to locally intensely fractured with numerous Qtz + minor Carb vlts in fracs. Noteable pitted texture from leached Py?. mSi, m to locally iPy. No SX in qvlts. Muddy Py on selvages. Ser content increases @134.4 to m locally. Generally wSer. 137.8 iD5Ca becomes intensely fractured with wPy on fracs and iCSE Py. 139-141.1 moderate shear fabric @20 TCA. 141.1-145.8 Lose shear fabric. rel msv pale pinkish grey cfgr with few Qtz/carb vlts (wk stockwork). Tet as fgr diss. Aspy as fine diss needles.	127.05	128.00	44366	0.95	2.34	4.0	2.0	1.0						w
						128.00	129.00	44367	1.00	0.03		2.0							w
						129.00	130.00	44368	1.00	0.03		2.0							w
						130.00	130.80	44369	0.80	0.19		2.0							w
						130.80	132.25	44371	1.45	2.72		2.0							w
						132.25	133.30	44372	1.05	1.51		2.0							w
						133.30	134.40	44373	1.10	0.27		2.0							w
						134.40	135.80	44374	1.40	1.27	2.0	2.0	2.0						m
						135.80	137.00	44375	1.20	0.56	0.3	0.5	0.5						w
						137.00	137.65	44376	0.65	0.35	0.3	0.5	0.5						w
						137.65	139.00	44377	1.35	0.27	3.0								w
						139.00	140.30	44378	1.30	1.35	0.5		1.0						w
						140.30	141.10	44379	0.80	1.02	0.5		1.0						w
						141.10	142.10	44381	1.00	0.53		1.0				1	0.5		w
						142.10	143.30	44382	1.20	0.20		2.0				1	0.5		w
						143.30	144.50	44383	1.20	0.05		3.0				1	0.5		w
						144.50	145.80	44384	1.30	0.02		4.0				1	0.5		w
145.80	151.80	5CamD		Volcanics, ModDol	Moderately dolomitized meta-basalts. Relatively massive. Minor zones of miD with vfgr diss Py.	149.55	150.70	44385	1.15	0.04		1.0							
						150.70	151.80	44386	1.10	0.06		1.0							
151.80	157.80	5Ca		Volcanics	Generally wD msv medium green-grey. Fine to medium grained. Few irregular mm scale Q/Ca strs.														
157.80	158.60	5CamD		Volcanics, ModDol	mD halo to wk Carb BX (No PDO)	157.80	158.60	44387	0.80	0.01		0.5	1.5						
158.60	167.65	5Ca		Volcanics	Generally wD msv medium green-grey. Fine to medium grained. Few irregular mm scale Q/Ca strs.														
167.65	168.95	5CaiD		Volcanics, IntDol	Generally wD msv medium green-grey. Fine to medium grained. Few irregular mm scale Q/Ca strs.	167.65	168.95	44388	1.30	1.86	3.0	1.0							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
168.95	169.70	QV	QV	Quartz Vein	FW distinct@15TCA, HW @25TCA. Mostly white qtz with few mm scal G/Py fracs. FW has 1cm iK gouge with muddy Py.	168.95	169.70	44389	0.75	5.73	2.0			0.3	0.3	0.3			
169.70	170.50	5CaiD		Volcanics, IntDol	Classic medium grey vfgr relatively massive. mPy.	169.70	170.50	44391	0.80	0.94	1.0	1.0	1.0						
170.50	179.80	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), fine to medium grained, competent, massive, medium green, meta-basalts. Few mm scale calcite Qtz vlts.														
179.80	181.00	5CfBX	BX	Cherty Matrix BX	Black Breccia. Dark grey to black chalcedonic pyritic matrix hosts angular qtz and iD5Ca fragments. 60% Matrix. Q frags are mm to 2cm. iD are mm to 0.5cm. Some complete replacement of frags by Py. UC indistinct. LC @15TCA. 150.7-150.8 Rare CSE Py in Qtz. Very dry with few G/K filled fracs.	179.80	181.00	44392	1.20	0.58		0.5	30.0						
181.00	181.40	QV	QV	Quartz Vein	UC@15TCA. No angle at FLT'd LC. Moderatley frac'd with G/Py frac filling. Few late white x-cutting vlts. Numerous yellow carb hariline fracs/networking throughout. w local Ser.	181.00	181.40	44393	0.40	0.15			1.0						
181.40	188.10	5CaiD		Volcanics, IntDol	181.4-182.6 Med grey mSil, iFrac, iG(Frac). Numerous discontinuous/disrupted Qstrs. No SX in Qtz.	181.40	182.60	44394	1.20	0.48	0.5	0.5	1.0						
						182.60	183.90	44395	1.30	0.56	3.0	4.0	2.0						
					182.6-183.9 w-m frac'd, very few mm scale q/ca +/- K filled fracs. iPy.	183.90	184.80	44396	0.90	0.92	3.0	4.0	0.5						
						184.80	185.95	44397	1.15	2.06	4.0		3.0						w
					183.9-184.8 As above with 184.5-184.8 zone with rafts of QV to 4-5cm. m-iPy	185.95	187.15	44398	1.20	0.59	7.0		3.0						w
						187.15	188.10	44399	0.95	0.52	7.0		3.0						w
					184.8-188.1 Med-dark grey moderately to locally ifrac'd (iCBX). Few irreg white qvlts. Local mgr Pyt in Qvlts. Local w-mSer.														
188.10	189.40	QSTRZ	QSTRZ	Quartz Stringer Zone	Irregular Q/Ca vlts Very blocky core. local iSer patches esp in Qvlts.	188.10	189.40	44401	1.30	2.89	7.0	4.0	2.0						i
189.40	193.15	5CaiD		Volcanics, IntDol	Medium grey w frac'd to local ifrac'd, iPy. Few 2-3cm Q/Ca vlts @30TCA. wSer. Tr Py on fracs.	189.40	190.10	44402	0.70	1.09	4.0	4.0							i
						190.10	191.20	44403	1.10	2.02	4.0	4.0							
						191.20	192.60	44404	1.40	1.89	3.0								
						192.60	193.15	44405	0.55	1.18	3.0								
193.15	197.30	5CamD		Volcanics, ModDol	Moderately dolomitized meta-basalts. Massive pale grey green. Weakly frac'd with chl/K filling.														
197.30	205.80	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts.														
EOH																			

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-02

Collar Details			Purpose:	Started	July 19, 2005			
Longitude	462300.88	E	Test BY under and to the north of drill setup	Finished	July 20, 2005			
Latitude	6568050.10	N		Logged By:	L. Hunt		M. Glover	
Elevation	970.09	m ASL		Tests	Depth	Az	Dip	
End of Hole	188.60	m			0.0	345.0	-45.0	
Azimuth	345.00				106.4	345.0	-46.0	
Dip	-45.00							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	3.70	OB		Overburden	Casing through Overburden														
3.70	7.20	5Ca		Volcanics	mD grades to wD with few zones of wD to 0.4m. wD is mottled in appearance with pale buff(iD?) laminae in irregular network pattern. Irregular Chl patches throughout. Few white Q/Ca filled fractures.														
7.20	7.60	5CaiD		Volcanics, IntDol	Medium buff-pink iFrac'd, vfgr.	7.20	8.05	44406	0.85	0.04			4.0						
7.60	7.90	5CaiD	FLT	Volcanics, IntDol	@7.6 viCBX, wFLT Fracture set at 45TCA with local K(f) and Py.														
7.90	8.05	5CaiD		Volcanics, IntDol	Medium buff-pink iFrac'd, vfgr.														
8.05	9.10	5Ca		Volcanics	wD-mD as above	8.05	9.10	44407	1.05	0.01									
9.10	10.10	5CaiD		Volcanics, IntDol	Pale buff, vfgr, few irregular dark grey siliceous fracture fillings with local Ser. 9.48-9.52 Q/Ca vnlt @70TCA.	9.10	10.10	44408	1.00	2.86	1.0		1.0						
10.10	28.50	5Ca		Volcanics	Medium green, wD, mD whispy hairline frac filling. Few Q/Ca vnlts. No PDO. 16.2-18.4 Weak penetrative fabric in mD alt fracs. 18.4-19.2 mD 19.2-27.2 wD Local Chl patches. Chaotic fabric made apparent by darker Chl patches surrounded by dolomite altered patches and whispy networking hairline fractures. Chaotic nature grades to more massive @20.5. Local prop alt'n patches with v few Q/Ca vnlts with no PDO. 27.2-27.6 Fabric disappears abruptly. Vfgr tuff?. 1-3mm fragments. Angular. 27.6-28.5 5Ca wD 2cm Q/Ca vnlt @70TCA. (No halo)														
28.50	30.20	5CaiD		Volcanics, IntDol	Pale-medium buff to light pink hue. Local iCBX. mPy	28.50	29.40	44409	0.90	0.01			4.0						
						29.40	30.20	44411	0.80	0.04									

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
30.20	40.40	5Ca		Volcanics	30.2-32.0 Rel msv, mgr, few frags (lapilli) near UC. 32.0-35.3 w-mD local Epidote/calcite in patches. Local jasperitic/pyritic patches. 35.3-40.4 Medium green, msv, mgr, ep alt'n gives coarser grained appearance. Very few bull white qstrs (vuggy/drusy) to 4mm.														
40.40	40.65	5CaiD		Volcanics, IntDol	As above. Few Q/Ca stockworks/vnlts.														
40.65	64.80	5Ca		Volcanics	Medium green relatively massive. Few barren Q/Ca vnlts. Few prop alt'n patches and vnlts to 2-3mm. 59.65-64.8 Sub volcanic?. Medium green, massive.														
64.80	66.10	5CamD		Volcanics, ModDol	Moderately dolomitized meta-basalts.mD, vfgr, light grey-green. Noteable fleshy dolomite specks to 2mm avg 0.5mm to 3%.														
66.10	88.60	5Ca		Volcanics	wD f-mgr, competent massive, dol flecks to 3% 84.5-88.6 Slightly finer grained than above. Flesh coloured dol specks no longer apparent.														
88.60	105.20	5CamD		Volcanics, ModDol	Medium grey, mD. Local dol specks to 3%. Very few local 10-20cm mD bands. No Sx of note														
105.20	188.40	5Ca		Volcanics	wD, Weak local fgr talc, Few Q/Ca fracture filling and vnlts to 6mm. V wk local jasper staining.														
188.40	188.60	10a		Mafic Dyke	Medium grained, massive, dark green with an to subhedral feldspar phenos.														
EOH																			

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-03

Collar Details			Purpose:	Started	July 21, 2005			
Longitude	462421.69	E	Test BY continuity and grade along strike 110m east of 05BY-01	Finished	July 22, 2005			
Latitude	6568122.42	N		Logged By:	L. Hunt		M. Glover	
Elevation	975.15	m ASL		Tests	Depth	Az	Dip	
End of Hole	147.80	m			0.0	165.0	-45.0	
Azimuth	165.00				146.0	166.0	-44.0	
Dip	-45.00							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.10	OB		Overburden	Casing through Overburden														
6.10	7.10	5Ca		Volcanics	Subcrop. Broken, iFeOx on fractures.														
7.10	9.10	5CamD		Volcanics, ModDol	mD, competent, weakly fractured with grey black silica filling hairlines to mm scale. wSer disseminated to 2mm blebs. Minor fgr diss Py throughout														
9.10	16.20	5Ca		Volcanics	wD, Pale green, mod frac'd.														
16.20	19.10	5CamD		Volcanics, ModDol	mD, massive, very fine grained. Few Q/Ca and clay filled fractures to 2mm.														
19.10	20.50	5Ca		Volcanics	wD as above.														
20.50	21.60	5CamD		Volcanics, ModDol	mD, as above.														
21.60	30.70	5Ca		Volcanics	21.6-21.7 8cm TW Ca/Q str @40TCA. 20% partially digested chloritic inclusions to 3cm. 21.7-25.7 Grades from mD to wD 25.7-25,8 Qtz vnlt, Pink Qtz. Chl clots and patches.. 30.3-30.7 wFLT														
30.70	36.90	5Ca		Volcanics	wD massive. Few chloritic patches and fractures														
36.90	38.30	FLT	FLT	Fault	iK gouge abd rubbly core. wD. Few vugs with drusy qtz.														
38.30	41.00	5CamD		Volcanics, ModDol	mD, massive. Few hairline fractures with Chl.														
41.00	41.30	QV	QV	Quartz Vein	UC and LC distinct @15TCA. Intensely fractured with moderate carb patches and fracture filling. Chl in fracs and as patches. Tr Cpy.	41.00	41.30	44412	0.30	0.01				0.3					
41.30	44.00	5CamD		Volcanics, ModDol	mD with yellow hue. (Ser?) Relatively massive with few Q/Ca fracture fillings. No PDO.														
44.00	61.70	5Ca		Volcanics	wD massive. 45.4-45.55 Moderate slip. Fol'd. Q/Ca/Chl in fracs. 45.55-47.8 w-mD, f-mgr, grades to fgr-vfgr by 47.8 47.8-57.6 Very fine grained pale to medium green-grey. wD, mSi. Few low angle chloritic shears/fracs to 1cm. 57.6-66.7 vfgr. Weak fabric developed in dol alt's fracs and numerous chl filled fracs.														
61.70	68.20	FLT	FLT	Fault	iK gouge and rubbly core.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
68.20	70.10	5Ca		Volcanics	Competent, wD, Numerous prop alt's fractures.														
70.10	70.50	FLT	FLT	Fault	Moderate iK gouge, rubbly core.														
70.50	78.40	5Ca		Volcanics	wD, moderate to locally intense epidote filled fractures. Locally with Q/Ca. No PDO. Few bull white Q vnlts with drusy Qtz to 1cm.														
78.40	79.40	FLT	FLT	Fault	iK gouge. Some frags of wD 5Ca in Q/Ca/Ep stockwork.														
79.40	93.10	5Ca		Volcanics	Fine grained mSil, wD, mProp alt'n in fracs and patches to 3cm. Local white clay on fracs. Very competent core. Q/Ca/Ep in vnlts to 3cm. 90.9-93.1 mD														
93.10	94.00	5CaiD		Volcanics, IntDol	Pale to medium grey, fine grained, massive. mPy grades to iPy.	93.10	94.00	44413	0.90	1.35	3.0								
94.00	96.00	QV	QV	Quartz Vein	White Qtz. Very weak carbonte. Vuggy-drusy Q to 4mm. Few inclusions of iD5Ca near LC (25TCA). Few Ser.clay patches. w-mPy, tr Sph, tr Tet.	94.00	95.00	44414	1.00	1.91	2.0				0.3	0.3			
						95.00	96.00	44415	1.00	1.02	3.0				0.3	0.3			
96.00	96.80	5CaiD	FLT	Volcanics, IntDol	Rubbly core. Local iK gouge. Local 5CaiDBX. No angles.Possibly very alt'd 5CfBX. Grey pyritic matrix hosts iD5Ca frags to 3cm. 70% matrix. Few muddy Py filled fracs.	96.00	96.80	44416	0.80	1.41	1.0								
96.80	103.40	5Ca		Volcanics	mD grades quickly to wD. 97.5-97.6 mFLT, rubbly core. 97.6-100.1 wD moderately broken core with white clay filled fractures. 100.1-103.4 wD competent.														
103.40	105.95	5CaiD		Volcanics, IntDol	Pale grey to buff, competent, few white Q/Ca vnlts to 2mm. Muddy Py selvages. Gradational contact with wD above.	103.40	104.70	44417	1.30	0.03		1.0	2.0						
						104.70	105.95	44418	1.25	0.06	0.5	4.0	1.0						
105.95	106.50	5CfBX	BX	Cherty Matrix BX	Dark grey pyritic chalcedonic matrix hosts mostly angular white qtz fragments (1-2cm). 50/50 matrix/frags. LC@40 TCA. UC irregular. Muddy Py replacing 5CaiD, Ser patches to 2mm. Some Ser alt'n in Qtz fragments. No SX in Qtz fragments.	105.95	106.30	44419	0.35	0.36		40.0							
						106.30	106.50	44421	0.20	1.14	10.0	20.0							w
106.50	106.65	QSTR	QSTR	Quartz Stringer	LC@15TCA. UC@30TCA. mfrac'd with muddy Py filled fractures. vwSere, few carb patches. Tr Py.	106.50	106.65	44422	0.15	0.40		0.3	0.3						
106.65	109.10	5CaiD		Volcanics, IntDol	Pale buff-pinkish buff. Few siliceous/pyritic filled fractures on mm scale. iPy.	106.65	107.70	44423	1.05	0.90			1.0						
						107.70	109.10	44424	1.40	0.03			1.0						
109.10	109.35	5CfBX	BX	Cherty Matrix BX	iD fragments in pyritic siliceous matrix irregularly distributed in 0.2m of iD5Ca. UC of BX is irregular. LC distinct at FLT at 30TCA. Local patchy Ser/Carb alt'n hosts muddy Py and fgr frac filling Py. Diss Sph throughout.	109.10	109.35	44425	0.25	0.03			10.0		0.5				

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
109.35	111.00	5CaiD		Volcanics, IntDol	As above but w-mPy.	109.35	110.15	44426	0.80	0.04			3.0						
						110.15	111.00	44427	0.85	0.01			3.0						
111.00	126.90	5Ca		Volcanics	Fine to medium grained wD. Medium grey-green, massive. Dol specks throughout. 112.85-126.9 vfgr dark green, massive, iK on fracs. Local Ep on fracs. No SX.														
126.90	127.70	5CaiD		Volcanics, IntDol	vfgr, pinkish buff. Numerous Q/Ca vnlts. Weak local Ser alt'n to 1cm. No PDO. wPy.	126.90	127.70	44428	0.80	0.01	0.5	1.0							
127.70	147.80	5Ca		Volcanics	Medium grey-green, competent, few irregualr Q/Ca vnlts to 1cm. 133.1-133.7 wFLT. iTalc on fracs. 133.7-147.8 w to localltmD, local iT(white) in fracs. Local Ep.Jasp alt'n near end of unit as patches and fracs with dolomite.														
EOH																			

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-04

Collar Details			Purpose:	Started	July 23, 2005		
Longitude	462192.37	E	Test BY continuity and grade along strike 110m west of 05BY-01	Finished	July 27, 2005		
Latitude	6568015.93	N		Logged By:	L. Hunt		M. Glover
Elevation	968.87	m ASL		Tests	Depth	Az	Dip
End of Hole	205.80	m			0.0	165.0	-45.0
Azimuth	165.00				204.2	167.0	-40.0
Dip	-45.00						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	9.30	OB		Overburden	Casing through Overburden														
9.30	10.70	5Ca		Volcanics	Leached iFeOX on fracs. Rubbly core. Sub-crop.														
10.70	16.00	5Ca		Volcanics	Medium green. Speckled "D" alt'n. f-mgr. Sub-volcanic? 13.96-14.0 Qvnlt. 4cm TW, 40% carb @20TCA.														
16.00	18.60	5CamD		Volcanics, ModDol	mD, mSer(p), pale green-grey. Few chl filled fracs.	16.00	17.10	44429	1.10	0.03									m
18.60	18.75	5CamD	QSTR	Volcanics, ModDol	10cm @20TCA Qstrs. White. 15% carb. NoSX.														
18.75	19.90	5CamD		Volcanics, ModDol	mD as above. f-mgr. Tr Py.														
19.90	25.50	5Ca		Volcanics	Medium grey green competent SV. Local wCBX. Lower 0.3m is finer grained chill?														
25.50	26.20	FLT	FLT	Fault	Blocky core, mQ/Ca vnlts/patches/stockworks. Tr disseminated vfgr euhedral Py.	25.50	26.20	44431	0.70	0.38		0.3							
26.20	27.00	5CaiD		Volcanics, IntDol	Pale grey massive. wPy.	26.20	27.00	44432	0.80	0.13		0.8							
27.00	29.30	5CamD		Volcanics, ModDol	mD. Few Q/Ca/Chl fractures with wPy.														
29.30	32.20	5Ca		Volcanics	wD with speckled D throughout. Few Q/Ca/Chl fracs with tr assoc Py.														
32.20	32.70	5CamD		Volcanics, ModDol	4cm TW Qvnlt, Rusty contacts. Numerous Ca/Chl/K clots. NoSX. in mDCa, moderately frac'd with local iCBX.														
32.70	34.60	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts.														
34.60	38.10	5CamD		Volcanics, ModDol	34.6-36.6 mD-local iD. Very little Py.	34.60	35.60	44433	1.00	0.65	0.5								
					wFLTs @ 35.1-35.3 and 36.4-36.6 36.6-38.1 mD w-m frac'd w Q/Ca/Chl filled fracs.	35.60	36.60	44434	1.00	0.11	0.5								
38.10	46.70	5Ca		Volcanics	wD. Local mottled texture due to D alt of fracs and patches of Chl alt'n. Few qvnlts.														
46.70	50.90	5CamD		Volcanics, ModDol	mD, locally w-m frac'd. Few bull white Qvnlts @15-30TCA to 4cm.														
50.90	54.50	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
54.50	55.00	5Ca	FLT	Volcanics	mFLT, mK gouge														
55.00	60.00	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts.														
60.00	61.20	5CamD		Volcanics, ModDol	mD, locally w-m frac'd.	60.00	61.10	44435	1.10	0.03			9.0						
61.20	63.10	5CaiD		Volcanics, IntDol	Pinkish buff. Few creamy Q/Ca vnlts. Muddy Py in patches to 3cm.Minor fgr Py in fracs.														
63.10	80.25	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Few Chl/Ep/+/-Qtz filled fracs. 75.8-88.25 mD	79.70	80.25	44436	0.55	0.01			0.3						
80.25	84.50	QSTRZ	QSTRZ	Quartz Stringer Zone	Buff-Grey with slight pinkish hue, weakly to locally moderately fractured with iChl alt'n. iPy in fracs. 4-5% Qvnlts/strs/discontinuous lenses.	80.25	81.25	44437	1.00	0.08	4.0	5.0	3.0						
						81.25	82.25	44438	1.00	1.69	4.0	5.0	3.0						
						82.25	83.25	44439	1.00	0.84	4.0	5.0	3.0						
						83.25	84.50	44441	1.25	0.16	4.0	5.0	3.0						
84.50	90.65	5CaiD		Volcanics, IntDol	Dark grey, mod to locally intensely fractured with Graphite/Py fracture filling. Avg frac orientation is 90TCA. Local white K on fracs.	84.50	85.55	44442	1.05	0.06	4.0	7.0	4.0						
						85.55	86.60	44443	1.05	0.07	4.0	7.0	4.0						
						86.60	87.65	44444	1.05	0.06	4.0	7.0	4.0						
						87.65	88.70	44445	1.05	0.07									
						88.70	89.75	44446	1.05	0.80									
						89.75	90.65	44447	0.90	1.10									
90.65	91.20	QV	QV	Quartz Vein	White quartz. Moderately fractured with Graphite/clear silica frac filling to 2mm. 2cm 5CfBX @30TCA @90.75. Dark grey chalcedony/pyrite matrix hosts white angular Q frags. No Py in frags. Apple green Ser in clots to 3mm	90.65	91.20	44448	0.55	0.04		0.5	1.0						
91.20	92.40	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic 5CaiD hosts 5% white Quartz/mCarb vnlts and discontinuous stringers. Quartz is moderately fractured with Q/Py in fractures to mm scale.	91.20	92.40	44449	1.20	0.99	5.0	15.0	5.0						
92.40	92.80	QV	QV	Quartz Vein	White quartz. Weakly fractured with Graphite/clear silica frac filling to 2mm. wK on fracs.	92.40	92.80	44451	0.40	0.21	1.0		3.0			0.3			
92.80	98.45	5CaiD		Volcanics, IntDol	Medium grey-pinkish buff, moderately fractured with Graphite/Py in fracs. 96.7-98.45 Medium buff, massive, wPy. Few weak shears with graphite filled fractures with quartz carbonate. wSX in fracs.	92.80	94.10	44452	1.30	0.05		7.0	4.0						
						94.10	95.40	44453	1.30	0.07		7.0	4.0						
						95.40	96.70	44454	1.30	0.03		4.0	2.0						
						96.70	97.55	44455	0.85	0.01			1.0						
						97.55	98.45	44456	0.90	0.01			1.0						
98.45	100.70	5CamD		Volcanics, ModDol	Pale grey-green, f-mgr, w-mK(p). Few mm scale Chl filled fracs.	98.45	99.60	44457	1.15	0.01			0.3						
						99.60	100.70	44458	1.10	0.01			0.3						
100.70	104.20	5CaiD		Volcanics, IntDol	Classic pinkish buff weakly fractured.Fgr Py and remnant Qtz in fracs to 2mm,	100.70	102.00	44459	1.30	0.02	2.0	10.0	4.0						
						102.00	103.30	44461	1.30	0.02		2.0	7.0						
						103.30	104.20	44462	0.90	0.01									
104.20	108.00	5Ca		Volcanics	wD. Few mm scale Q/Ca vnlts.														
108.00	110.30	5CaiD		Volcanics, IntDol	Medium grey/pink.	108.00	109.25	44463	1.25	0.01			18.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					i muddy Py.	109.25	110.30	44464	1.05	0.01	0.5		3.0						
110.30	117.60	5Ca		Volcanics	wD. Few mm scale Q/Ca vnlts.														
117.60	119.30	5CaiD		Volcanics, IntDol	Classic. Fracture controlled Py. Local clear/grey silica in fractures. Discrete LC @119.3@20TCA.	117.60	119.30	44465	1.70	0.01			3.0						
119.30	124.60	5Ca		Volcanics	wD fgr medium grenn homogenous massive basalts. Few irregular Q/Ca vnlts. Minor irregular Chl whisps/fracture filling to 2mm														
124.60	127.95	5CaiD		Volcanics, IntDol	iD buff/pink and grey mottled (vfgr Py). Moderately fractured/Weakly BX'd/ wSer, mSil. Distinct contacts.	124.60	125.70	44466	1.10	0.01			1.0						w
						125.70	126.80	44467	1.10	0.01			1.0						w
						126.80	127.95	44468	1.15	0.01			5.0						w
127.95	131.90	5Ca		Volcanics	wD massive fgr medium green weakly fractured. Few mm scale Q/Ca vnlts.														
131.90	133.60	5CaiD		Volcanics, IntDol	iD buff/pink with medium/dark grey Py rich bands. Few irregular late milky white Q/Ca vnlts to 3mm. Vague UC distinct LC@40TCA.	131.90	132.80	44469	0.90	0.01		8.0							
						132.80	133.60	44471	0.80	0.04		8.0							
133.60	140.00	5Ca		Volcanics	wD f-mgr massive homogenous basalt. Weak patchy Chl alt'n.														
140.00	140.80	5CaiD		Volcanics, IntDol	As above. Py conc @ band of vfgr muddy Py @45TCA. Milky Q/Ca str/15cm.	140.00	140.80	44472	0.80	0.01		5.0							
140.80	141.80	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. wD mK(p) + mK(frac) @30TCA														
141.80	142.30	5CaiD		Volcanics, IntDol	Classic buff/pink with muddy Py patches to 5cm.	141.80	142.30	44473	0.50	0.01		3.0							
142.30	146.70	5Ca		Volcanics	wD fgr massive medium green. Few irregular Q/Ca vnlts.														
146.70	147.10	QSTRZ	QSTRZ	Quartz Stringer Zone	Q/Ca str zone and iD alt'n halo @30TCA. 3cm total Q.	146.70	147.10	44474	0.40	0.01	0.3								
147.10	148.55	5Ca		Volcanics	F-mgr with 1-2mm Chl patches. Tr fgr diss Py. Few irregular Q/Ca vnlts.														
148.55	148.95	QSTRZ	QSTRZ	Quartz Stringer Zone	Q/Ca str zone and iD alt'n halo @35TCA.	148.55	148.95	44475	0.40	0.01		3.0							
148.95	153.90	5Ca		Volcanics	Generally wD f-mgr massive basalt with minor Q/Ca vnlts. Minor mD locally.														
153.90	155.40	5CaiD		Volcanics, IntDol	Classic iPy grey/pink mottled/banded with muddy Py.	153.90	155.40	44476	1.50	0.10			15.0						
155.40	160.90	5Ca		Volcanics	wD. Weakly to moderately fractured with wK locally.														
160.90	161.50	5CamD		Volcanics, ModDol	mD alt'n halo to QV	160.90	161.90	44477	1.00	0.09	1.0								
161.50	161.90	QV	QV	Quartz Vein	Milky white cgr bull QV with irregular UC and planar LC@30TCA.														
161.90	163.90	5CamD		Volcanics, ModDol	miD alt'n halo to 2cm minz'd Qvnlt @ 163.1 Minor fgr diss Py in wallrock. 10% clotty Py in vnlt.	161.90	163.10	44478	1.20	0.27		1.0							
						163.10	163.90	44479	0.80	6.62	2.0	1.0							
163.90	199.40	5Ca		Volcanics	Generally wD massive fine grained medium green weakly fractured. Minor fracture controlled K at 167.5 190.5-195.6 w-m pervasive K and mFrac zone.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
199.40	201.60	5CaiD		Volcanics, IntDol	m grading to iD with 5% irregular 1-2cm Q/Ca strs.	199.40	200.50	44481	1.10	0.66	3.0								
					200.5-201.6 has CSE Py to 1cm.	200.50	201.60	44482	1.10	2.68	3.0	2.0							
201.60	205.80	5Ca		Volcanics	wD massive fgr medium green weakly fractured volcanics.														
EOH																			

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-05

Collar Details			Purpose:	Started	August 5, 2005		
Longitude	462022.62	E	Test BY west of Troutline Creek	Finished	August 9, 2005		
Latitude	6567779.14	N		Logged By:	M. Glover		0
Elevation	962.08	m ASL		Tests	Depth	Az	Dip
End of Hole	190.60	m			0.0	350.0	-45.0
Azimuth	350.00				189.0	353.0	-45.0
Dip	-45.00						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	21.30	OB		Overburden	Casing through Overburden														
21.30	23.00	5Ca		Volcanics	Weakly dolomitized fine grained medium green massive.														
23.00	23.40	FLT	FLT	Fault	Compound FLT. iK gouge and 10cm 5CaiDBX @70TCA.														
23.40	27.70	5Ca		Volcanics	Weakly dolomitized fine grained medium green massive weakly fractured..														
27.70	28.10	5CaiD		Volcanics, IntDol	miD buff very fine grained. Pink/grey tinge with vfgr Py. iK gouge @ LC.	27.70	28.10	45173	0.40	0.01			1.0						
28.10	33.20	5Ca		Volcanics	wD fine grained medium green weakly fractured. Few irregular Q/Ca vnlts.														
33.20	34.50	5CaiD		Volcanics, IntDol	iD alt'n zone with 2-3% mgr euhedral Py. Not viD but mSil wmCBX. 45TCA.	33.20	34.50	45174	1.30	0.61	3.0								
34.50	42.85	5Ca		Volcanics	wD massive medium green locally with bleaching and wCBX. Few bull Q/Ca vnlts.														
42.85	43.50	5CaiD		Volcanics, IntDol	iD iCBX muddy Py. Pink and medium grey fgr.	42.85	43.50	45175	0.65	0.01			8.0						
43.50	47.80	5Ca		Volcanics	wD massive weakly to moderately frac'd. fgr medium green														
47.80	48.50	5CaiD		Volcanics, IntDol	UC@70TCA. iSil, iPy, miFrac'd, Buff pink to Py grey. Minor Qvnlts with mgr clotty Py.	47.80	48.50	45176	0.70	0.02			10.0	0.3					
48.50	49.10	5Ca		Volcanics	wD massive pale-medium green fine grained weakly fractured. Very weakly bleached.	48.50	49.10	45177	0.60	0.01									
49.10	51.80	5CamiD		Volcanics, Mod-IntDol	miD. Variably dolomitzed and bleached with irregular chloritic slips at 20-45TCA. Minor muddy Py.	49.10	50.10	45178	1.00	0.01			0.5						
						50.10	51.10	45179	1.00	0.01			0.5						
						51.10	51.80	45181	0.70	0.02			0.5						
51.80	53.50	5CaiD		Volcanics, IntDol	Classic iD with muddy Py. 10% medium grey irregular Qvnlts ans sweats. (locally with blue tinge). Contorted fabric with clots of iD and bands of Sil/Py/Ser.	51.80	52.70	45182	0.90	0.02			20.0						w
						52.70	53.50	45183	0.80	0.01			2.0						w
53.50	57.60	5Ca		Volcanics	wD fgr massive pale-medium green. Weak chloritic fracturing. Irregularly oriented.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
57.60	58.50	5CaiD	FLT	Volcanics, IntDol	UC is iK gouge and rubble/10cm @30TCA. Buff pink iD, miSil with Sil frac filling. mCBX. No sig SX.	57.60	58.50	45184	0.90	0.01									
58.50	63.60	5Ca		Volcanics	wD relatively massive fine grained medium green wCBX locally. Few irregular Q/CA vnlts.														
63.60	64.60	5CaiD		Volcanics, IntDol	2@ 20cm miD alt'n halos to weak Qvnlt zones/5cm at each end of interval. 70-80TCA. Blue tinge to qvnlts.	63.60	64.60	45185	1.00	0.15		0.5	0.5						
64.60	92.20	5Ca		Volcanics	wD medium green fine grained weakly to moderately fractured with Chl on brittle fracs. Few irregular Q/Ca vnlts.														
92.20	93.55	5CaiDBX		Volcanics, IntDol BX'd	iPy, iD. 50% iPy matrix BX with angular iD fragments and minor medium grey/white quartz fracture filling.	92.20	93.55	45186	1.35	0.19			20.0						
93.55	94.50	5CaiD		Volcanics, IntDol	Classic iD iCBX buff wPy 5CaiD 70TCA.	93.55	94.50	45187	0.95	0.04		0.5	0.5						
94.50	99.40	5Ca		Volcanics	Generally wD with minor intervals of miD associated with creamy white Ca vnlts. No sig SX.	94.50	96.00	45188	1.50	0.01									
						96.00	97.10	45189	1.10	0.01									
						97.10	98.00	45191	0.90	0.01									
						98.00	99.40	45192	1.40	0.01									
99.40	106.90	5CaiD		Volcanics, IntDol	99.4-100.3 5CaiD iSil iPy BX with muddy Py to 25%	99.40	100.30	45193	0.90	0.03		5.0	2.0						
					100.3-102.1 miD viK(pervasive). Few Q/Ca vnlts. Buff	100.30	100.80	45194	0.50	0.01			2.0						
					102.1-104.3 Well developed contorted irregular fabric with	100.80	102.10	45195	1.30	0.01			2.0						
					iSil and Py as fracture filling to 10%.	102.10	103.20	45196	1.10	0.01		1.0	3.0						
					104.3-106.3 Relatively massive homogenous buff fgr iSil.	103.20	104.30	45197	1.10	0.23		1.0	3.0						
					Distinct ser rich bands locally.	104.30	105.30	45198	1.00	0.10		1.0							m
					106.3-106.9 Lower contact shear. mK	105.30	106.30	45199	1.00	0.01									m
						106.30	106.90	45201	0.60	0.35		1.0							
106.90	114.35	5Ca		Volcanics	Massive fgr wD medium green. Few late Q/Ca strs. Last 1m has <1% CSE Py and is w-mD.	113.40	114.35	45202	0.95	0.70		1.0							
114.35	114.90	QV	QV	Quartz Vein	iFrac'd milky white QV. UC 40TCA LC 75TCA. Minor conc of fracture controlled Py at HW.	114.35	114.90	45203	0.55	0.11		0.3		0.3		0.3			
114.90	117.90	5Ca		Volcanics	Massive fine grained wD. Medium green. Few late Q/Ca strs	114.90	115.60	45204	0.70	1.79									
						117.40	117.90	45205	0.50	0.06									
117.90	118.70	QVBX	QVBX	Quartz Vein BX	40% 3cm angular milky Quartz supporting and within iD 5Ca Py fragments.	117.90	118.70	45206	0.80	1.33	10.0								
118.70	119.00	FLT	FLT	Fault	iKiPy gouge.	118.70	119.80	45207	1.10	0.98			10.0						
119.00	121.10	5CamiD		Volcanics, Mod-IntDol	miD mSer fgr w-mCBX	119.80	121.10	45208	1.30	0.45									m
121.10	121.85	QSTRZ	QSTRZ	Quartz Stringer Zone	30% milky white qstrs avg 2cm to 10cm @70TCA.	121.10	121.85	45209	0.75	0.68	2.0								
121.85	122.80	5CaiD		Volcanics, IntDol	iSil wPy miD (variable) Few irregular Q/Ca vnlts.	121.85	122.80	45211	0.95	0.17		0.3							
122.80	138.40	5Ca		Volcanics	wD massive fine grained medium green. Last 75cm mD halo to QSTRZ.	122.80	123.80	45212	1.00	0.02		0.3							
						137.65	138.40	45213	0.75	0.02									
138.40	139.50	QSTRZ	QSTRZ	Quartz Stringer Zone	5% 1-2cm milky white qstrs @80TCA in iD 5Ca iPy iSIl.	138.40	139.50	45214	1.10	1.17	1.0	3.0		0.3	0.3	0.3			
139.50	140.50	5CamD		Volcanics, ModDol	mD halo to QSTRZ	139.50	140.40	45215	0.90	0.20									
140.50	151.35	5Ca		Volcanics	fgr moderately fractured medium green locally blocky wD. Salt and Pepper texture with chlorite blasts to 147 then fgr massive.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
151.35	159.00	5CaiD		Volcanics, IntDol	viCBX to BX'd iD. Vuggy core surface. Few q/Ca vnlts incl 1@ 8cm @ 158.5. Irregular rolling fractures. Blocky core.	156.50	157.35	45216	0.85	0.01									
						157.35	158.05	45217	0.70	0.36	4.0								
						158.05	159.00	45218	0.95	0.38	4.0								
159.00	159.20	FLT	FLT	Fault	mFLT @ 25TCA. iK gouge and rubble over 5-10cm TW.	159.00	160.10	45219	1.10	0.02		0.3							
159.20	160.90	5CamD		Volcanics, ModDol	mD. Fgr sugary buff grey green. mSer. Blocky.	160.10	160.90	45221	0.80	0.03		0.3							
160.90	161.40	5CaiDBX		Volcanics, IntDol BX'd	viCBX-BC 5CaiD. Irregualr fractures. No PDO. Blocky.	160.90	161.40	45222	0.50	0.61	4.0								
161.40	162.30	QSTRZ	QSTRZ	Quartz Stringer Zone	20% 1-8 cm generally milky qvnlts at 70TCA in iD iPy iCBX 5Ca. 161.9-162.1 is 60% complex qstr/qvbx with clotty Py and Ser inclusions. Blocky	161.40	162.30	45223	0.90	5.64	10.0								
162.30	165.25	5CaiD		Volcanics, IntDol	i to miD. Relatively homogenous moderately fractured buff. Local mK on fractures.	162.30	163.20	45224	0.90	0.45			2.0						
						163.20	164.40	45225	1.20	0.03			2.0						
						164.40	165.25	45226	0.85	0.03			2.0						
165.25	167.50	5Ca		Volcanics	w-mD. Few local Q/Ca vnlts. Minor mgr Py at 166m.	165.25	166.40	45227	1.15	0.01			1.0						
						166.40	167.50	45228	1.10	0.01			1.0						
167.50	167.80	5CamiD		Volcanics, Mod-IntDol	miD with 5% irregular angular Q/Ca vnlts to 1cm. Minor fracture controlled Py.	167.50	168.85	45229	1.35	0.01									
167.80	175.50	5Ca		Volcanics	wD fine grained medium green weakly fractured. Few 30cm bands miD : 168.85-169.1 169.9-170.2	168.85	170.20	45231	1.35	0.01									
175.50	176.80	5CaiD		Volcanics, IntDol	i to miD pink buff mfrac'd with 5% 2mm to 3cm Q/Ca vnlts and minor grey Q fracture fillings.	175.50	176.85	45232	1.35	0.01			2.0						
176.80	190.60	5Ca		Volcanics	wD moderately fractured medium green. Local bleaching. Local viCBX to BX with black matrix. Local relict selvages.	176.85	178.05	45233	1.20	0.01									
EOH																			

Cusac Gold Mines Ltd.	Backyard System	Diamond Drill Hole Log	05BY-06

Collar Details			Purpose:	Started	August 10, 2005			
Longitude	461947.33	E	Test BY west of Troutline Creek	Finished	August 14, 2005			
Latitude	6567810.52	N		Logged By:	L. Hunt		M. Glover	
Elevation	970.46	m ASL		Tests	Depth	Az	Dip	
End of Hole	201.50	m			0.0	345.0	-45.0	
Azimuth	345.00				108.5	332.0	-45.0	
Dip	-45.00				196.5	335.0	-45.0	

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	9.30	OB		Overburden	Casing through Overburden														
9.30	25.90	5Ca		Volcanics	w-mD Pale green, generally mCBX'd, fine grained. Blocky core. No major structures. Few irregular Q/Ca vnlts to 1cm. Locally tr fgr Py.														
25.90	28.10	5CaiD		Volcanics, IntDol	Buff to medium grey iPy w to i downhole CBX. 2% 1x10mm brittle Q/Ca vnlts @45TCA. Good RQ	25.90	27.00	45234	1.10	0.02			13.0						
						27.00	28.10	45235	1.10	0.08			13.0						
28.10	29.00	5Ca		Volcanics	wD mCBX Salt and Pepper texture, distinct contacts @70TCA.	28.10	29.00	45236	0.90	0.01		0.3							
29.00	35.35	5CamiD		Volcanics, Mod-IntDol	Very Blocky core. 29-31.3 miD iCBX. Minor fracture controlled Py. No sig Qtz. 31.3-31.6 Clay/Talc coated rubble. 31.6-35.35 miD as above. Minor black CfBX/10cm @ 34.6	29.00	30.00	45237	1.00	0.02			2.0						
						30.00	31.00	45238	1.00	0.36			2.0						
						31.00	32.00	45239	1.00	0.01			2.0						
						32.00	33.00	45241	1.00	0.02			2.0						
						33.00	34.00	45242	1.00	0.01			10.0						
						34.00	35.35	45243	1.35	0.11			10.0						
35.35	37.20	5CaiD		Volcanics, IntDol	iPy. Grey pink with bands of iMuddy Py and fracture controlled Py. <1% CSE Py.	35.35	36.25	45244	0.90	0.06	1.0		15.0						
						36.25	37.20	45245	0.95	0.01	1.0		15.0						
37.20	50.05	5Ca		Volcanics	w to mD. Pale to medium grey, fgr, generally weakly fractured. Few mm scale Q/Ca vnlts. No PDO. 39.5-39.65 wFLT with gouge 80TCA 43.6-43.75 Irregular Q/Ca str zone@70 TCA 45-45.15 Qtz/Chalcedony str zone@ 80TCA.	37.20	37.50	45246	0.30	0.01									
50.05	53.70	5CaiD		Volcanics, IntDol	iD iPy altn zone. iCBX, w local BX'n. Buff to black with fracturing. Muddy Py concentrated in pinkish patches with grey overprint. UC@50TCA marked by concentration of Q/Ca vnlts with Chl inclusions over 3cm.	50.05	51.30	45247	1.25	0.01			1.0						
						51.30	52.55	45248	1.25	0.02			8.0						
53.70	58.60	5Ca		Volcanics	wD fine grained massive weakly fractured medium to pale green. Few irregular Q/Ca vnlts	52.55	53.80	45249	1.25	0.01			2.0						
58.60	63.40	5CaiD		Volcanics, IntDol	mi to iD. Buff with sericitic tinge. Weak qstrz@ 59.65-61.5 with 4@1cm and 1@4cm qvnlts @80TCA.	58.60	59.65	45251	1.05	0.01		0.3							w
						59.65	60.55	45252	0.90	0.35	0.5								w
						60.55	61.50	45253	0.95	0.36	0.5			1.0					w
						61.50	62.50	45254	1.00	0.32	0.3								w

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
						62.50	63.40	45255	0.90	0.02	0.5								w
63.40	82.10	5Ca		Volcanics	wD to mD locally. Fgr to aphanitic, pale green-grey. Few Chl alt'd fracs. 3cm TW Q/Ca vnlt@65.9-66 with miD alt'n hal0.	65.90	66.00	45256	0.10	0.01			0.5						
82.10	82.80	5CaiD		Volcanics, IntDol	iD interval with pervasive muddy Py. Wk BX fabric@40TCA>	82.10	82.80	45257	0.70	0.04			10.0						
82.80	99.70	5Ca		Volcanics	w-mD, Few bull Qvnlts @70TCA.	89.20	89.35	45258	0.15	0.06									
					91.6-95.9 iFrac'd with K on fracs. No PDO but generally low angle.	95.90	96.00	45259	0.10	1.05	3.0								
					95.9-96.0 qvnlt/qbx @75-80TCA. Clotty CSE Py.														
99.70	115.30	5Ca		Volcanics	wD massive fine grained weakly fractured medium green. Dry.														
115.30	121.60	5CamiD		Volcanics, Mod-IntDol	m-iD. wk fabric from wk shr. Fgr, pale green to buff	115.30	116.00	45261	0.70	0.01									
					pink/grey. Minor 2cm Q/Ca vnlt @ HW contact@45TCA.	116.00	117.40	45262	1.40	0.02			4.0						
					mCBX locally. Minor CSE Py @ 120.4-120.7 as halo to	117.40	118.90	45263	1.50	0.08			3.0						
					5cm TW weakly fractured milky, dry, Qvnlt @ 120.65-120.7	118.90	120.25	45264	1.35	0.01			3.0						
					@80TCA.	120.25	121.60	45265	1.35	0.29	1.0								
121.60	135.30	5Ca		Volcanics	wD massive fine grained medium green, weakly fractured. Few irregular Q/Ca vnlts														
135.30	136.00	5CaiD		Volcanics, IntDol	Buff-pink miCBX miD alt'n halo to 1cm Q/Ca vnlt @ 135.7@80TCA.	135.30	136.00	45266	0.70	0.01		0.3							
136.00	140.60	5Ca		Volcanics	wD mCBX, locally mD, weakly bleached.	139.60	140.60	45267	1.00	0.01									
140.60	141.35	5CaiD		Volcanics, IntDol	Grey/pink fine grained massive, weakly fractured with py on fracs.	140.60	141.50	45268	0.90	0.05			3.0						
141.35	141.50	5CaiDBX	BX	Volcanics, IntDol BX'd	viCBX to BX with pale to medium grey, possibly chalcedonic, matrix supporting 80% angular iD fragments.														
141.50	143.30	QSTRZ	QSTRZ	Quartz Stringer Zone	25-30% moderatley fractured but generally milky white	141.50	142.40	45269	0.90	1.47	5.0			0.3	0.3	0.3			
					qstrs (1@2, 1@10, 1@20cm) in iD 5Ca. 75TCA. 3-5% CSE Py to 6mm	142.40	143.30	45271	0.90	1.51	5.0								
143.30	148.55	5Ca		Volcanics	wmD massive fine grained competent medium grey. Minor	143.30	144.70	45272	1.40	0.17		0.3							
					zone of miD as halo to 2cm qvnlt@146.4	144.70	146.10	45273	1.40	0.01		0.3							
						146.10	147.35	45274	1.25	0.62		0.3							
						147.35	148.55	45275	1.20	0.01		0.3							
148.55	149.40	5CaiD		Volcanics, IntDol	iD altn halo to 1cm qvnlt @85 TCA @148.9. Nice CSE Py to 8% in wallrock.	148.55	149.40	45276	0.85	0.63	8.0								
149.40	150.30	5CamD		Volcanics, ModDol	mD. Pale to medium grey fine grained massive. Few irregular Q/Ca vnlts. No PDO.														
150.30	150.40	FLT	FLT	Fault	iK gouge @ 70TCA. Very distinct contacts.														
150.40	151.70	5Ca		Volcanics	w to wmD massive fine grained medium green weakly fractured. Few irregular Q/Ca vnlts														
151.70	152.10	10a		Mafic Dyke	Lamprophyre. 7% mm to 2cm amygdules. 80TCA.	151.70	152.10	45277	0.40	0.01		2.0							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
152.10	168.50	5Ca		Volcanics	w-wmD. Pale greenish fgr. 163.3-154.6 carbonate floods. Local Ep in vnlts (prop) 154.6-168.5 wD. Few irregular Q/Ca vnlts hairline to 1cm. No PDO. Weakly to moderately fractured locally. iChl on fracs.														
168.50	171.50	5CaiD		Volcanics, IntDol	Medium pinkish buff. Moderately fractured with muddy Py filled hairline to 2mm fracs. No PDO. Few irregular Q/Ca vnlts and stockworks. Some with Py replacement.	168.50	169.60	45278	1.10	0.02		5.0	5.0						
						169.60	170.50	45279	0.90	0.07		5.0	5.0						
						170.50	171.50	45281	1.00	0.37		5.0	5.0						
171.50	172.50	QSTRZ	QSTRZ	Quartz Stringer Zone	Blackish iD5Ca hosts 25-30% Qtz/Carbonate vnlts and stockworks. iD iGf 5Ca. vfgr. wSer in Q.	171.50	172.50	45282	1.00	2.44	6.0			0.5	0.5	1.0	?		w
172.50	201.50	5Ca		Volcanics	wD, locally mCBX. Chl on fracs. Few local carb floods ending at 182.4. From 182.4 is medium to dark green, local iCBX with increased Chl in fractures. Few barren irregular Q/Ca vnlts to 2cm.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-01

Collar Details			Purpose:	Started	July 27, 2005			
Longitude	462111.10	E	Test Somerville continuity and grade at depth.	Finished	July 28, 2005			
Latitude	6568094.48	N		Logged By:	L. Hunt		M. Glover	
Elevation	982.95	m ASL		Tests	Depth	Az	Dip	
End of Hole	150.90	m			0.0	345.0	-45.0	
Azimuth	345.00				146.4	352.0	-43.5	
Dip	-45.00							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.20	OB		Overburden	Casing through Overburden														
6.20	6.70	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.	6.20	6.70	44483	0.50	0.04									
6.70	7.40	5CaiD		Volcanics, IntDol	Light pinkish buff, fine grained, moderately fractured with muddy Py. @6.45, 2cm shear with massive fgr Py @45TCA.	6.70	7.40	44484	0.70	0.10		3.0	7.0						
7.40	7.80	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.	7.40	8.40	44485	1.00	0.70	3.0	3.0	3.0						
7.80	10.40	5CaiD		Volcanics, IntDol	Light pinkish buff, fine grained, moderately fractured with muddy Py. Few irregular Q vnlts to 2cm @45TCA. No SX in qtz. m to local iPy.	8.40	9.40	44486	1.00	0.30	3.0	3.0	3.0						
						9.40	10.40	44487	1.00	0.12	3.0	3.0	3.0						
10.40	12.20	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with K on fracs @11.3.	10.40	11.30	44488	0.90	0.01									
						11.30	12.20	44489	0.90	0.01									
12.20	13.95	5CaiD		Volcanics, IntDol	Light grey with weak pink hue. Grades to mD at end of unit. iPy in iD. 12.35-12.4 Qvnlt@70TCA. CSE Py diss in clots to 2cm, 1cm in vnlt. Few mostly digested iD frags. PDO of fracs is 45TCA.	12.20	13.30	44491	1.10	0.98	4.0		4.0						
						13.30	13.95	44492	0.65	0.06			4.0						
13.95	17.35	5Ca		Volcanics	wD competent fgr. Locally fractured with Chl +/- white clay on fracs. 20.3-24.9 wD local mD. Fine grained medium green.														
17.35	18.00	5CamD		Volcanics, ModDol	mD discontinuous Q/Ca vnlt. No SX.	17.35	18.00	44493	0.65	0.04			0.5						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
18.00	19.85	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.														
19.85	20.30	5CamD		Volcanics, ModDol	Moderately dolomitized generally fine grained, competent, massive, pale to medium green, meta-basalts. Discontinuous Q/Ca vnlt. No SX.	19.85	20.30	44494	0.45	0.01			0.5						
20.30	24.90	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs. Few local 0.5m zones of discontinuous Qtz vnlts. No SX.														
24.90	25.30	5CaiD		Volcanics, IntDol	7mm Q/Ca vnlt @45TCA. Fracture controlled muddy and fgr Py.	24.90	25.30	44495	0.40	0.03			0.5						
25.30	26.70	5CamD		Volcanics, ModDol	Moderately dolomitized generally fine grained, competent, massive, pale to medium green, meta-basalts.														
26.70	28.00	5CaiD		Volcanics, IntDol	Light pinkish buff, fine grained. Numerous mm scale fractures with fgr/muddy Py after numerous light grey qtz vnlts. mpy, mSer.	26.70	28.00	44496	1.30	0.01		1.0	3.0						m
28.00	28.90	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.														
28.90	29.10	FLT	FLT	Fault	Very rubbly core. Barren qtz, drusy qtz to 5mm.														
29.10	29.55	5CamD		Volcanics, ModDol	Moderately dolomitized generally fine grained, competent, massive, pale to medium green, meta-basalts.														
29.55	30.15	QSTRZ	QSTRZ	Quartz Stringer Zone	5CaiD hosts 20% white qtz minor carb vnlts 3mm to 1.5cm @45TCA. Well mineralized with Py, Sph, Cpy, Tet.	29.55	30.15	44497	0.60	8.94	3.0			0.5	3.0	0.5			
30.15	38.20	5Ca		Volcanics	Weakly altered generally fine grained, competent, massive, medium to pale green, meta-basalts. mK (p and frac). Few whispy Chl filed fracs. mD halo to 3cm Q/Ca vnlt @31.4@45TCA. NoSX.	31.10	31.70	44498	0.60	0.31		1.0							
38.20	38.40	5CamiD		Volcanics, Mod-IntDol	Buff-pink miD with shear fabric. Wpy.	38.20	38.90	44499	0.70	0.01		0.5	0.5						
38.40	42.25	5Ca		Volcanics	Weakly altered generally fine grained, competent, massive, medium to pale green, meta-basalts. mK (p and frac). Few whispy Chl filed fracs.														
42.25	43.05	5CaiD		Volcanics, IntDol	Buff-pink Numerous irregular Q/Ca vnlts locally vuggy in elongated mm scale fracs. iPy.	42.25	43.05	45101	0.80	1.32	7.0		4.0						
43.05	43.70	5Ca		Volcanics	Weakly to moderately dolomitized generally fine grained, competent, massive, pale to medium green, meta-basalts.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
43.70	44.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD5Ca hosts 4 qstrs/vnlts @60TCA. 1@7cm, 3@3cm. White qtz with mCarb. Py as F to CSE in 7cm vnlt. No SX in smaller vnlts. Se/Carb alt'n HW to 7cm vnlt. Few partially digested iD5Ca frags.	43.70	44.20	45102	0.50	1.33	7.0									m
44.20	48.60	5Ca		Volcanics	wD. Weak fabric to whispy chloritized fractures.														
48.60	49.95	5CamD		Volcanics, ModDol	mD. Local muddy Py in fractures replacing clear-light grey Qtz/chalcedony vnlts. Fracs 1-5mm. Few irregular Q/Ca vnlts NoSX.	48.60	49.95	45103	1.35	0.02			0.5						
49.95	50.90	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.														
50.90	51.45	5CamD		Volcanics, ModDol	mD. Local muddy Py in fractures replacing clear-light grey Qtz/chalcedony vnlts. Fracs 1-5mm. Few irregular Q/Ca vnlts NoSX.	50.90	51.45	45104	0.55	0.02			0.5						
51.45	54.80	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs.														
54.80	56.20	5CaiD		Volcanics, IntDol	Buff-pinkish buff. Moderately to locally intensely fractured with muddy Py fracture filling. 2@ 1.5cm Q/Ca vnlts near bottom of unit @70-90TCA. M-CSE Py in vnlts.	54.80	55.60	45105	0.80	0.49	2.0	4.0	5.0						
						55.60	56.20	45106	0.60	2.85	2.0	4.0	5.0						
56.20	67.10	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs. Weak local fabric to Chl.														
67.10	68.25	5CaiD		Volcanics, IntDol	Classic grey-buff iD. Irregular Q/Ca vnlt to 1cm TW @67.3 with Sph and VG.	67.10	67.50	45107	0.40	33.06	5.0				1.0			4	
						67.50	68.25	45118	0.75	0.09	1.0		1.0						
68.25	75.90	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts. Weakly fractured with Chl on fracs. mK (p)														
75.90	79.50	5CaiD		Volcanics, IntDol	Pinkish buff, fine grained moderately fractured (hairline to 3mm). No PDO. Numerous clear to light grey qtz veinlets partially replaced with muddy Py	75.90	77.30	45108	1.40	0.02		2.0	4.0						
						77.30	78.80	45109	1.50	0.14		2.0	4.0						
						78.80	79.50	45111	0.70	0.08									
79.50	79.90	5CfBX	BX	Cherty Matrix BX	@80-90TCA. Py/Chalcedony matrix (60%Matrix) hosts iD and Q/Ca frags mm to 1x2cm	79.50	79.90	45112	0.40	0.11									
79.90	84.30	5CaiD		Volcanics, IntDol	Buff. Weakly to locally moderately fractured with fine grained and muddy Py in fractures. Few white K clots to mm scale. Few qtz vnlts 5-10mm with tr Cpy and fgr Py to 2%	79.90	80.90	45113	1.00	3.48	3.0		3.0						
						80.90	81.90	45114	1.00	0.09		3.0	3.0						
						81.90	82.90	45115	1.00	0.03	0.3	3.0	3.0						
						82.90	83.90	45116	1.00	0.06		4.0	2.0						
						83.90	84.30	45117	0.40	0.06		4.0	2.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
84.30	84.60	5CaiDBX	BX	Volcanics, IntDol BX'd	Breccia. Matrix varies from Py/Chalcedony to Q/Ca to iD5Ca. Frags vary from Q/Ca to iD5Ca to muddy Py. Frags mm to 1cm angular.	84.30	84.60	45119	0.30	0.12		2.0	5.0						
84.60	84.85	5CaiD		Volcanics, IntDol	Buff, fine grained moderately fractured with Py frac filling. Few chalcedonic vnlts. No SX in vnlts.	84.60	84.85	45121	0.25	0.02									
84.85	132.55	5Ca		Volcanics	Medium green-grey with numerous Chl filled fracs and patches. Few irregular Q/Ca vnlts to 5mm. No PDO.														
132.55	135.70	QSTRZ	QSTRZ	Quartz Stringer Zone	5% mm to 2cm Q and Q/Ca vnlts with Py replacement in medium grey to pinkish buff weakly to locally intensely fractured iD 5Ca.	132.55	133.20	45122	0.65	0.02			5.0						
						133.20	134.20	45123	1.00	0.03									
						134.20	135.15	45124	0.95	0.06									
						135.15	135.70	45125	0.55	0.03									
135.70	150.90	5Ca		Volcanics	135.7-136.0 mD with barren Q/Ca vnlt @90TCA. 136.0-150.9 Prop alt'd 5Ca wD. Few irregular Q/Ca vnlts with Ep and Chl.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-02

Collar Details		
Longitude	461984.99	E
Latitude	6568079.93	N
Elevation	983.94	m ASL
End of Hole	96.00	m
Azimuth	345.00	
Dip	-45.00	

Purpose:
Test Somerville along strike 100 W for continuity and grade at depth.

Started	July 28, 2005
Finished	July 30, 2005
Logged By:	L. Hunt / M. Glover

Tests	Depth	Az	Dip
	0.0	345.0	-45.0
	94.5	344.0	-43.5

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.20	OB		Overburden	Casing through Overburden														
6.20	14.10	5Ca		Volcanics	Medium green-grey moderately broken core to 8.5m. m to local iK(p) and (frac).														
14.10	14.65	5CaiD		Volcanics, IntDol	iD halo to qtz flood/breccia stockwork. iMuddy Py associated with qtz selvages. few iD frags in stockwork.	14.10	14.65	45126	0.55	0.01			3.0						
14.65	20.90	5Ca		Volcanics	wD. From 19.8 is iK(p) 20.5-20.6 Qstr. Yellow carbonate patches to 30%. No sig SX. 80TCA. No iD halo.														
20.90	25.10	5CamD		Volcanics, ModDol	mD competent mottled D alt'n.	20.40	20.70	45127	0.30	0.01									
25.10	33.80	QSTRZ	QSTRZ	Quartz Stringer Zone	25.1-25.5 Classic iD5Ca. iPy with 2 qvnlts with 20% CSE Py @70TCA.	25.10	25.50	45128	0.40	1.27	7.0								
						25.50	27.30	45129	1.80	0.83	7.0	3.0	2.0						
					25.5-29.6 Classic iD with 7% 1cm qvnlts. 70-80TCA. 3-5% F-CSE Py in Qtz. Few muddy Py filled fractures.	27.30	28.50	45131	1.20	1.27	7.0	3.0	2.0						
						28.50	29.60	45132	1.10	0.83	7.0	3.0	2.0						
					29.6-30.8 Classic iD.30.15-30.3 Qstr. 25% CSE clotty Py 70TCA.	29.60	30.80	45133	1.20	8.78	7.0								
						30.80	31.60	45134	0.80	0.89	9.0								
					30.8-33.8 Very few mm scale qvnlts in competent 5CaiD.	31.60	32.70	45135	1.10	0.29	9.0								
						32.70	33.80	45136	1.10	0.32	9.0								
33.80	38.30	5CamD		Volcanics, ModDol	mD fine grained wSer, massive. Few barren Q/Ca vnlts to 3cm with angular chl/K rich fragments. 80TCA.														
38.30	38.60	5CaiD		Volcanics, IntDol	m-iD mPy leached.	38.30	38.60	45137	0.30	0.05	1.0	4.0							w
38.60	42.90	5Ca		Volcanics	wD. Weak sericite alteration grades downhole to moderate in fractures and patches. Local white K on fracs. vwPy.														
42.90	43.40	5CaiD		Volcanics, IntDol	Moderately fractured/broken core. 1 irregular qstr 3-4cm. Tr fine grained disseminated Py. Muddy Py over 6mm on selvages.	42.90	44.40	45138	1.50	0.33	3.0		3.0						m
43.40	43.50	5CfBX	BX	Cherty Matrix BX	Pyritic chalcedonic matrix hosts angular iD5Ca and Qtz fragments. Frags to 6mm. Irregular contacts. Few 1-2cm bands massive muddy Py.														
43.50	44.40	5CaiD		Volcanics, IntDol	mPy. Grades to almost mD														
44.40	47.00	5CamD		Volcanics, ModDol	mD m-iSer.														
47.00	48.10	QSTRZ	QSTRZ	Quartz Stringer Zone	5CaiD hosts 5% white Qtz vnlts 1cm-4cm. No PDO.	47.00	48.10	45139	1.10	0.51	3.0	2.0							m

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
48.10	53.60	5Ca		Volcanics	Weakly altered to relatively unaltered (dolomitized), generally fine grained, competent, massive, medium green, meta-basalts.														
53.60	54.60	QSTRZ	QSTRZ	Quartz Stringer Zone	m-iD 5Ca hosts 7% Q/Ca vnlts. w local Ser. Vnlts have G/muddy Py fracture filling. Local iCarb patches. wPy in vnlts.	53.60	54.60	45141	1.00	0.18	0.5		2.0						w
54.60	65.75	5Ca		Volcanics	wD medium-dark green. Few irregular white Q/Ca vnlts with minor K and local iK gouge associated with increased fracturing. Grades to mD near lower contact.														
65.75	67.40	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD5Ca hosts 7% Q/Ca vnlts. 66.6-66.8 Qstr, wfrac'd with Gf/Py.	65.75	66.70	45142	1.65	1.12	7.0		3.0						
67.40	69.30	5CamD		Volcanics, ModDol	Light to medium grey massive fine grained. NoSX. Few qtz/chl filled fracs. 68.3-69.3 Vfgr diss Py. Some muddy Py in patches to 5mm. White silvery sulphide (tet/aspy) finely disseminated near LC with iD	68.60	69.30	45143	0.70	0.02		0.5					?		
69.30	70.95	5CaiD		Volcanics, IntDol	Light grey-buff weakly fractured with Gf/Py on fracs. Few irregular Q/Ca vnlts 1@ 69.85-69.93 @70TCA with 1% M-CSE in vnlt.	69.30	70.10	45144	0.80	0.74	3.0								
						70.10	70.95	45145	0.85	0.33		0.3							
70.95	72.10	5Ca		Volcanics	wD local incipient breccia with jasperitic fragments and iD frags in a wD matrix. White clay and Carb filled mm scale vnlts.	70.95	72.10	45146	1.15	0.01			2.0						
72.10	74.20	5CaiD		Volcanics, IntDol	Buff fine grained weakly fractured with Gf/Py filling. Classic iD begins at 73.2. Few irregular Q/Ca vnlts with 1% Py.	72.10	73.20	45147	1.10	0.02			2.0						
						73.20	74.20	45148	1.00	1.13	5.0								
74.20	96.00	5Ca		Volcanics	Relatively massive dark green wD. Few Chl and clay filled mm-1cm scale fracs. No PDO.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-03

Collar Details		
Longitude	461748.98	E
Latitude	6567965.61	N
Elevation	1000.86	m ASL
End of Hole	218.00	m
Azimuth	345.00	
Dip	-45.00	

Purpose:
Test Somerville along strike 300m W of SV-02 for continuity and grade at depth.

Started	August 14, 2005
Finished	August 18, 2005
Logged By:	L. Hunt 0

Tests	Depth	Az	Dip
	0.0	345.0	-45.0
	154.8	348.0	-41.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	3.00	OB		Overburden	Casing through Overburden														
3.00	6.50	5CamiD		Volcanics, Mod-IntDol	miD pale grey very fine grained massive. iFeOX of weak hairline to 2mm fractures with Gf/Chl filling to 9.6m Few vuggy irregular Q/Ca vnlts to 1cm.														
6.50	8.30	5CfBX	BX	Cherty Matrix BX	Ground dark grey silica matrix supporting 80% miD rounded to angular fragments.	6.50	7.40	45283	0.90	0.15									
						7.40	8.30	45284	0.90	0.23									
8.30	13.40	5CamD		Volcanics, ModDol	mD. Pale to medium grey very fine grained, massive.														
13.40	13.70	10a		Mafic Dyke	Lamprophyre. Amygdaloidal dark grey. 45TCA. UC is 5cm iK gouge.														
13.70	16.80	5CamD		Volcanics, ModDol	mD. Pale to medium grey very fine grained, massive.														
16.80	16.90	5Ca	FLT	Volcanics	wFlt rubbly core.														
16.90	26.50	5Ca		Volcanics	wD pale to medium green fine grained massive. Few carbonate filled hairline fractures. Last 1m is slightly bleached.														
26.50	26.90	FLT	FLT	Fault	iK gouge and rubbly core.														
26.90	32.80	5CamD		Volcanics, ModDol	mD light grey-buff moderately fractured. iFeOX on fracs.Few mm scale black siliceous vnlts. mK locally on fracs. No SX of note. 31.2-32.8 iCBX. Hairline to 5mm dark grey fracture filling. Tr fgr diss Py.	32.00	32.80	45285	0.80	0.01		0.3							
32.80	35.90	QSTRZ	QSTRZ	Quartz Stringer Zone	Grey to buff iCBX hosts 10% 2-3cm qvnlts/strs @ 30-45 TCA.	32.80	33.80	45286	1.00	0.25	7.0		4.0						
						33.80	34.70	45287	0.90	0.59	7.0		4.0						
					34.75-34.9 Qstr. Tr fgr diss Py. iFeOX on selvages. w to locally m Ser in qtz.	34.70	35.90	45288	1.20	0.25	7.0		4.0						
35.90	40.90	5CamD		Volcanics, ModDol	mD. iCBX grades to weakly fractured. Gf/Sil fracture filling. wPy.	35.90	37.10	45289	1.20	0.06		0.3							
						37.10	37.60	45291	0.50	0.02		0.3							
					37.6-42.7 iFrac'd blocky core. iFeOX.	37.60	39.30	45292	1.70	0.03		0.3							
						39.30	40.90	45293	1.60	0.01		0.3							
40.90	42.70	5CaiD		Volcanics, IntDol	iD iK. Numerous fractures with muddy Py and fgr Py.	40.90	41.80	45294	0.90	0.24	2.0		10.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	FgrDiss	Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					Hairline to 5mm. 41.8-42.7 iK gouge.	41.80	42.70	45295	0.90	0.22	2.0		10.0						
42.70	47.30	5Ca		Volcanics	Medium green fine grained mK(p). Locally wPy.														
47.30	47.50	FLT	FLT	Fault	iK gouge with iGf laminae.	47.30	48.70	45296	1.40	0.07			8.0						
47.50	54.60	5CaiD		Volcanics, IntDol	Classic iD, Hairline to 1cm irregular fracturing with Gf/Py	48.70	50.30	45297	1.60	0.13			8.0						
					filling. Poor RQ. Few irregular Q/Ca vnlts to 1cm. No PDO.	50.30	51.30	45298	1.00	0.01			12.0						
					mG, iD, iK, throughout.	51.30	52.40	45299	1.10	0.01			3.0						
					52.9 3cm band massive Py.	52.40	53.40	79151	1.00	0.06			10.0						
					53.4-54.6 6% discontinuous grey barren iFrac'd reworked Qtz vnlts.	53.40	54.60	79152	1.20	0.02			4.0						
54.60	61.50	5CamD		Volcanics, ModDol	mD m to locally iCBX. Fractures are black Gf/Py. iSil.	54.60	55.50	79153	0.90	0.02			7.0						
						55.50	56.40	79154	0.90	0.02			7.0						
						56.40	57.90	79155	1.50	0.09			7.0						
						57.90	59.30	79156	1.40	0.03			7.0						
						59.30	60.40	79157	1.10	0.19			7.0						
						60.40	61.50	79158	1.10	0.04			7.0						
61.50	62.10	QV	QV	Quartz Vein	White intensely hairline to 2mm fractured with K or Gf/Sil filling. No SX.	61.50	62.10	79159	0.60	0.13									
62.10	73.60	5CaiD		Volcanics, IntDol	Buff classic iD. Numerous graphitic /pyritic fractures some	62.10	63.20	79161	1.10	0.03			1.0						
					with slicks.	63.20	64.20	79162	1.00	0.40	7.0		4.0						
					63.6-63.8 iGf/iPy slip @40TCA. Few irregular Q/Ca vnlts to	64.20	65.20	79163	1.00	0.87	7.0		3.0						
					1mm in iD.	65.20	66.20	79164	1.00	1.21	7.0		3.0						
					64.2-69.4 Classic iD with few irregular Q/Ca vnlts to 3cm.	66.20	67.60	79165	1.40	1.57	7.0		3.0						
					Minor fine grained disseminated Py in Qtz. iPy in wallrock	67.60	68.60	79166	1.00	1.33	7.0		3.0						
					67.6-69.4 iFrac'd, iCBX	68.60	69.50	79167	0.90	0.46	7.0		3.0						
						69.50	70.50	79168	1.00	0.07	7.0		3.0						
						70.50	71.60	79169	1.10	0.34	7.0		3.0						
						71.60	72.60	79171	1.00	0.16	7.0		3.0						
						72.60	73.60	79172	1.00	0.17	7.0		3.0						
73.60	75.20	QV	QV	Quartz Vein	Mod frac'd white qtz with Gf/Sil fracture filling. Hairline to 1mm iSer at FW. Note 1m Lost Core this int or above.	73.60	75.20	79173	1.60	0.72	2.0			2.0	1.0	2.0			i
75.20	81.60	5CaiD		Volcanics, IntDol	Medium buff to dark grey iCBX. Few mostly barren irregular	75.20	76.20	79174	1.00	0.40									
					Q/Ca vnlts 2mm to 3cm. No PDO, 1 Qvnlt with Mgr Py at	76.20	77.20	79175	1.00	1.28	1.0								
					76.5	77.20	78.20	79176	1.00	0.42									
						78.20	79.20	79177	1.00	0.04									
						79.20	80.00	79178	0.80	0.19									
						80.00	80.80	79179	0.80	0.02									
						80.80	81.60	79181	0.80	0.03									
81.60	92.30	5CamD		Volcanics, ModDol	mD pale grey green weakly fractured with Chl/K in fracs. Locally mod broken core.														
92.30	99.70	5Ca		Volcanics	wD pale to medium green fine grained massive.														
99.70	104.90	5CamD		Volcanics, ModDol	mD mK pale buff green														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
104.90	105.50	5CamiD	FLT	Volcanics, Mod-IntDol	miD, Muddy Py, mK, Gf in mFracs. 102.1-105.5 mFLT Broken FLT iK.														
105.50	109.80	5CaiD		Volcanics, IntDol	Medium grey-pinkish buff mK(p) iPy (muddy), Few irregular locally vuggy Q/Ca vnlts to 2cm	105.50	106.50	79184	1.00	0.04	1.0	3.0	5.0						
						106.50	107.50	79185	1.00	0.02									
						107.50	108.50	79186	1.00	0.07									
						108.50	109.50	79187	1.00	0.17									
109.80	109.85	5CfBX	BX	Cherty Matrix BX	iD 5Ca with medium grey chalcedony fracture filling. Angular wall rock fragments. @60TCA	109.50	110.50	79188	1.00	0.06									
109.85	110.50	5CaiD		Volcanics, IntDol	mD pale grey green massive weakly fractured with Chl/K in fracs. muddy-fgr Py.														
110.50	119.10	5CamD		Volcanics, ModDol	110.5-113.6 Pale green relatively massive local pervasive epidote alt'n 113.6-119.1 Pale to medium grey, relatively massive. Local K filled fracs. Few irregular Q/Ca vnlts. No sig SX.														
119.10	122.00	5CaiD		Volcanics, IntDol	Buff, fine grained moderately fractured with Py/Gf fracture filling.Few irregular Q/Ca vnlts with wSer.	119.10	121.00	79182	1.90	0.04	2.0		3.0						m
						121.00	122.00	79183	1.00	0.02									m
122.00	125.00	5CamD		Volcanics, ModDol	mD. Very few Chl/Gf shears with minor CSE Py.														
125.00	132.40	5Ca		Volcanics	wD Pale green weakly frac'd. Chl alt'n blebs.														
132.40	137.80	5CamD		Volcanics, ModDol	mD. Local iK on fracs.														
137.80	139.00	5CaiD		Volcanics, IntDol	Classic iD iPy.	137.80	139.00	79189	1.20	0.27	7.0		1.0						
139.00	144.50	5CamD		Volcanics, ModDol	mD grey-buff. Locally mfrac'd. Few muddy Py shears.														
144.50	160.50	5Ca		Volcanics	wD pale to medium green. Local speckled white K alt'n. Few 10cm halos to wk shears (No PDO).														
160.50	161.50	5CamD		Volcanics, ModDol	Gradational contact zone with iD below														
161.50	166.45	5CaiD		Volcanics, IntDol	Buff-pinkish buff fine grained. Few irregular Q/Ca vnlts to 2cm. 162.1-162.2 Qvnlt with mSer in clots and patches to 2%. 1% mgr Py.	161.50	162.50	79191	1.00	1.19	3.0		2.5						w
						162.50	163.20	79192	0.70	0.14									
166.45	167.00	10b		Lamprophyre Dyke	Medium grained blackish brown amygdaloidal (10% carbonate). 10cm chills.														
167.00	180.00	5Ca		Volcanics	wD pale green very fine grained relatively massive greades to mD over last m.														
180.00	182.50	5CaiD		Volcanics, IntDol	Buff-pinkish buff, local iSer throughout top 2m. Few barren irregular Q/Ca vnlts @60TCA. 7-20mm. Vuggy/drusy. mPy.	180.00	181.25	79193	1.25	0.08	2.0		2.0						m
						181.25	182.50	79194	1.25	0.28	2.0		2.0						m
182.50	185.00	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD iCBX hosts 5% white irregular Q/Ca vnlts 5mm to 5cm @ 60-75TCA. Veinlets host iSer frags to 4mm.	182.50	183.20	79195	0.70	1.39	2.0		3.0						m
						183.20	184.10	79196	0.90	0.03	2.0		3.0						m
						184.10	185.00	79197	0.90	0.01	2.0		3.0						m
185.00	188.40	FLT	FLT	Fault	185.0-185.3 UC@10TCA iK gouge with competent fragments of iD5Ca and Q/Ca vnlts.	185.00	186.20	79198	1.20	0.09		0.3							
						186.20	187.40	79199	1.20	0.05		0.3							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					185.3-186.0 Q/Ca and Black iD5Ca in iK gouge. Angular to rounded. No sig SX. 186.35-187.4 iK gouge with mostly iD fragments (75% gouge) 187.4-188.4 Black 5CaiD fractured with numerous Q/Ca vnlts hariline to 2mm. wChl alt'n.	187.40	188.40	79201	1.00	0.02		0.3							
188.40	192.30	QSTRZ	QSTRZ	Quartz Stringer Zone	Dark buff-grey 5Ca with iCBX (black fracture filling) hosts 15% Q/Ca vnlts. Some vnlts host 15-20% angular iD fragments. Low angle TCA. Weak to local mPy.	188.40	189.40	79202	1.00	0.07	1.0	0.5							
						189.40	190.40	79203	1.00	0.01	1.0	1.0							
						190.40	191.40	79204	1.00	1.07	3.0	2.0	1.0						
						191.40	192.30	79205	0.90	0.46	4.0	2.0							
192.30	193.60	5CaiD		Volcanics, IntDol	Classic mPy. Few irregular chloritic vnlts to 1cm.	192.30	193.60	79206	1.30	0.08	2.0								
193.60	197.10	5CamD		Volcanics, ModDol	Medium grey fine grained mD. Relatively massive.	196.60	197.10	79207	0.50	0.36		0.3							
197.10	198.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD hosts 10% white Q/Ca vnlts locally with vugs to 2cm. Some vnlts very irregular (stockworks). Qtz vnlts host F-CSE Py to 1cm, tr Tet, tr Cpy.	197.10	198.20	79208	1.10	7.32	10.0	5.0		0.3		0.3			
198.20	198.85	QV	QV	Quartz Vein	HW 90TCA. FW 30TCA. White Qtz. mCarb. Ser alt'd iDiCBX frags to 1x3cm.	198.20	198.85	79209	0.65	0.03	1.0			0.2	0.2	0.2			m
198.85	201.50	QSTRZ	QSTRZ	Quartz Stringer Zone	5% white quartz carbonate veinlets (1-3cm) @45-70TCA hosted by blackish buff iD5Ca, viCBX, iPy, Chl vnlts.	198.85	199.70	79211	0.85	12.46	10.0		3.0						
						199.70	200.60	79212	0.90	2.73	2.0		1.0				5.0		
						200.60	201.50	79213	0.90	2.00	7.0		3.0						
201.50	204.40	5CaiD		Volcanics, IntDol	Buff to medium grey, iCBX.	201.50	202.40	79214	0.90	0.06		1.0							
						202.40	203.40	79215	1.00	0.01		1.0							
						203.40	204.40	79216	1.00	0.08			7.0						
204.40	218.00	5Ca		Volcanics	wD massive pale to medium green. Few talc filled frac's to 1cm. wD. mK downhole.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-04

Collar Details			Purpose:	Started	August 18, 2005			
Longitude	461702.91	E	Test Somerville along strike 50m W of SV-02 for continuity and grade at depth.	Finished	August 22, 2005			
Latitude	6567924.21	N		Logged By:	L. Hunt			0
Elevation	1000.89	m ASL		Tests	Depth	Az	Dip	
End of Hole	251.50	m			0.0	345.0	-45.0	
Azimuth	345.00				242.3	358.0	-45.5	
Dip	-45.00							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	2.10	OB		Overburden	Casing through Overburden														
2.10	7.95	5CamD		Volcanics, ModDol	mD. Medium grey-green weakly fractured with Chl/Sil filling. Local weakly developed fol'n/laminae @ 20-50TCA.	7.40	7.95	79217	0.55	0.06									
7.95	8.35	QV	QV	Quartz Vein	Indistinct UC. LC at 20TCA. 10cm mPy iD halo. Rusty quartz. Moderately irregularly fractured (hairline to 2mm) some with muddy Py. Tr Mariposite	7.95	8.35	79218	0.40	0.58					0.3	1.0			
8.35	13.70	5CaiD		Volcanics, IntDol	Medium grey weakly fractured fine grained competent. wPy. 11.7-13.7 5% White Q/Ca vnlts 3mm to 2cm. 45-60TCA.	8.35	9.10	79219	0.75	0.86	1.0	0.5							
						9.10	9.50	79221	0.40	0.71	1.0	0.5							
						9.50	10.70	79222	1.20	0.05	1.0	0.5							
						10.70	11.70	79223	1.00	0.01	1.0	0.5							
						11.70	12.70	79224	1.00	0.01	1.0	0.5			1.0				
						12.70	13.70	79225	1.00	0.16	1.0	0.5			1.0				
13.70	17.30	5CamD		Volcanics, ModDol	mD Grey green weakly fractured locally. Relatively massive.														
17.30	23.00	5Ca		Volcanics	wD. Medium-dark green. Few irregular barren Q/Ca vnlts. Few isolated CSE Py. Grades to mD near bottom of interval.														
23.00	24.60	5CaiD		Volcanics, IntDol	Medium grey locally pinkish grey mPy. Very competent core. 5% Q/Ca vnlts@45TCA (2-4cm) w to locally i Ser, esp at selvages.	23.00	23.80	79226	0.80	0.12	1.0			0.3	0.3				
						23.80	24.60	79227	0.80	0.01									m
24.60	26.00	5CamD		Volcanics, ModDol	Gradational alt'n contact iD to wD.														
26.00	41.80	5Ca		Volcanics	Competent medium green-greyish green. Few irregular Q/Ca vnlts. @27.5 irregular fol'n develops with lighter green fracture controlled wD alt'n. Locallized cherty patches. Minor fgr Po.	33.60	34.30	79228	0.70	0.01		0.3							
41.80	47.20	5CamD		Volcanics, ModDol	mD medium grey-buff weakly fractured with Gf/Sil filling (local iCBX to 4cm). Few irregular barren Q/Ca vnlts with local iSer 1-4cm @60-75TCA. Few well digested frags. Locally vuggy, Locally FeOX.														
47.20	48.80	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD hosts 2@ 12cm qstrs, Irregular contacts. mSer	47.20	48.00	79229	0.80	0.49	10.0			0.5		0.3			m

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					in patches. Few iD fragments (fresh to partially digested) at contacts.Locally vuggy with drusy qtz to 1cm.	48.00	48.80	79231	0.80	0.82		0.5							m
48.80	56.40	5CamD		Volcanics, ModDol	mD Buff-grey. Few irregular Q/Ca vnlts 1-2cm.	52.95	53.05	79232	0.10	0.01									
56.40	66.10	5Ca		Volcanics	wD pale green vfgr, locally mottled due to patches/fractures of mD. Irregular Q/Ca vnlts 1-4mm.														
66.10	69.10	5CfBX	BX	Cherty Matrix BX	4cm iK gouge at UC @90TCA. Pyritic/chalcedonic matrix hosts iD fragments and Q/Ca frags. Subrounded to 2mm. 75% frags. iPy in matrix. Local iK gouge. mK throughout.	66.10	67.10	79233	1.00	0.06		10.0	15.0						
						67.10	68.10	79234	1.00	0.02		10.0	15.0						
						68.10	69.10	79235	1.00	0.02		10.0	15.0						
69.10	71.10	5CaiDBX	BX	Volcanics, IntDol BX'd	As above but matrix is 5CaiD iPy. Local iCBX m-iK. Very few Qtz fragments. Few local chalcedonic (CfBX) vnlts.	69.10	70.10	79236	1.00	0.05		5.0	10.0						
						70.10	71.10	79237	1.00	0.09		5.0	10.0						
71.10	75.10	5CaiD		Volcanics, IntDol	iD. mK (F), iPy. Local iCBX. Few 5CfBX vnlts. Few q/Ca fragments in BX zones. 73.1-74.1 Intrusive looking mgr greyish with creamy alt'n grains and Py. Rel massive	71.10	72.10	79238	1.00	0.04		5.0	10.0						
						72.10	73.10	79239	1.00	0.05		5.0	10.0						
						73.10	74.10	79241	1.00	0.04		5.0	10.0						
						74.10	75.10	79242	1.00	0.02		10.0							
75.10	82.60	5CamD		Volcanics, ModDol	mD medium grey buff. Local iCBX. Few muddy Py on fracs. mK (p)														
82.60	84.90	5CaiD		Volcanics, IntDol	Buff-greyish pink, fgr, moderately to intensely fractured. 82.6-83.6 Fracs sub-parallel TCA. Hairline to 2mm filled with fgr and muddy Py. Few irregular Q/Ca vnlts. No SX noted in Qtz.	82.60	83.60	79243	1.00	0.01		15.0	7.0						
						83.60	84.90	79244	1.30	0.01		15.0	7.0						
84.90	89.30	5CamD		Volcanics, ModDol	mD Grey buff weakly fractured.														
89.30	89.80	5CaiD		Volcanics, IntDol	Buff-greyish pink, fgr, moderately to intensely fractured.	89.30	89.80	79245	0.50	0.01									
89.80	94.40	5Ca		Volcanics	wD grade to wD mK														
94.40	98.40	FLT	FLT	Fault	Parallel TCA. mD mK +/- Ep alt'd 5Ca hosts BX'd white Q/Ca vnlts. 1cm avg. Irregular. 5Ca is iFrac'd, mK(p), yellow(Ep?) muddy Py. Very blocky core at 95.4-95.7 and 97.0-97.7 Q/Ca vnlts are fractured @ 60 to contacts.	94.40	95.00	79246	0.60	0.01			2.0			0.3			
						95.00	95.60	79247	0.60	0.01									
						95.60	96.60	79248	1.00	0.01									
						96.60	97.60	79249	1.00	0.01									
						97.60	98.40	79251	0.80	0.01									
98.40	101.20	5Ca		Volcanics	wD mK (p). Few irregular barren Q/Ca vnlts 2-3cm.														
101.20	101.60	5CaiD		Volcanics, IntDol	UC parallel TCA. Classic iFrac'd. Few irregular Q/Ca vnlts with iG in fracs.	101.20	101.60	79252	0.40	0.01			5.0						
101.60	102.30	FLT	FLT	Fault	iK gouge mD rubble														
102.30	104.40	5Ca		Volcanics	w-mD mK(p) Few irregular Q/Ca vnlts.														
104.40	105.00	5CaiD		Volcanics, IntDol	Local mD patches.Few irregular Q/Ca vnlts with iG fracs.	104.40	105.00	79253	0.60	0.01			7.0						
105.00	107.00	5Ca		Volcanics	w-mD mK(p) Few irregular Q/Ca vnlts.														
107.00	107.50	5CaiD		Volcanics, IntDol	As above. No Q/Ca. Very distinct LC, iG iK gouge over 1cm.	107.00	107.50	79254	0.50	0.02	0.3		2.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
107.50	127.05	5Ca		Volcanics	wD mK (p) massive. Few white clay filled fractures. 0.5-1.0m zones of mD. Few irregular Q/Ca vnlts/shears to 1-2cm @30-40TCA with muddy Py filled fracs.														
127.05	128.10	5CaiD		Volcanics, IntDol	Classic buff pinkish buff fine grained moderately to intensely fractured with Gf/Py fracture filling. Numerous irregular Qtz vnlts. Few white clay filled fractures.	127.05	128.10	79255	1.05	0.01		3.0	7.0						
128.10	131.20	5Ca		Volcanics	Medium green mottled pale green. Few mm scale irregular Q/Ca vnlts. No SX.														
131.20	142.60	5CaiD		Volcanics, IntDol	131.2-132.7 Classic iD. mK(p)	131.20	132.20	79256	1.00	0.01			7.0						
					132.7-134.3 m-iD mK (p)	132.20	132.70	79257	0.50	0.01			7.0						
					134.8-142.6 mG, m-iSil, Few irregular Q/Ca vnlts without	132.70	133.70	79258	1.00	0.01			2.0						
					SX. Gf alt'n increases at 138. @141.8, very irregualr Q/Ca	133.70	134.80	79259	1.10	0.01			2.0						
					vnlt with iSer in patches to 1cm.	134.80	135.70	79261	0.90	0.38	4.0	10.0	4.0						m
						135.70	136.60	79262	0.90	0.36	4.0	10.0	4.0						m
						136.60	137.50	79263	0.90	0.04	4.0	10.0	4.0						m
						137.50	138.00	79264	0.50	0.02	4.0	10.0	4.0						m
						138.00	138.70	79265	0.70	0.02	4.0	10.0	4.0						m
						138.70	139.60	79266	0.90	0.01	0.5	1.0	1.0						m
						139.60	140.60	79267	1.00	0.01	0.5	1.0	1.0						m
						140.60	141.60	79268	1.00	0.01	0.5	1.0	1.0						m
						141.60	142.60	79269	1.00	0.28	0.3	2.0	2.0						m
142.60	149.80	5CamD		Volcanics, ModDol	mD mK grades to wD mK.														
149.80	152.90	5CaiD		Volcanics, IntDol	Mottled buff=grey brown iFrac'd. Locally patches of muddy Py to 3cm.	149.80	150.65	79271	0.85	0.01			5.0						
					150.65-152.8 Numerous irregular/sheared micro-faulted	150.65	151.80	79272	1.15	0.03			10.0						
152.90	158.40	5CamD		Volcanics, ModDol	mD mK.														
158.40	158.93	5CaiD		Volcanics, IntDol	Medium buff with slight pinkish hue. Moderately frac'd with Gf and Muddy Py. Obvious 1-2mm fracture set normal TCA @ 159.1-159.4 and 160.2-160.4 m-iPy locally. Few irregular Q vnlts mostly totally replaced with py.	158.40	159.40	79273	1.00	0.06			7.0						
158.93	159.03	5CfBX	BX	Cherty Matrix BX	80TCA. Very distinct contact. 60% Py/Chalcedony/Gf matrix hosts iD 5Ca frags.														
159.03	162.70	5CaiD		Volcanics, IntDol	Medium buff, weak to locally moderately fractured. Py/Gf filling. wPy.	159.40	160.40	79274	1.00	0.04			7.0						
						160.40	161.40	79275	1.00	0.03		1.0	2.0						
						161.40	162.40	79276	1.00	0.05			1.0						
						162.40	162.70	79277	0.30	0.27			1.0						
162.70	165.30	QSTRZ	QSTRZ	Quartz Stringer Zone	5CaiD medium grey to buff moderately fractured (hair to 2mm with Gf/Py), iPy, locally iCBX hosts 10% white Q/Ca vnlts (1cm-20cm) @40TCA. Strs are locally ifrac'd with Ser filling. Some iD inclusions.	162.70	163.40	79278	0.70	3.72	10.0			0.5						m
						163.40	164.20	79279	0.80	0.91	10.0			0.5						m
						164.20	165.30	79281	1.10	0.25	10.0			0.5	0.3	0.3	0.3		m
165.30	168.10	5CaiD		Volcanics, IntDol	Medium grey-buff. M Frac'd. iCSE Py.	165.30	166.30	79282	1.00	0.55		10.0							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
						166.30	167.30	79283	1.00	0.07			2.0						
						167.30	168.10	79284	0.80	0.03			2.0						
168.10	170.60	5CamD		Volcanics, ModDol	mD mK														
170.60	171.10	FLT	FLT	Fault	iBX @UC (75TCA) iK Q/Ca Frags, iG/0.1m at UC. Then mD iFrac'd, iG , iK														
171.10	174.90	5CamD		Volcanics, ModDol	mD mK														
174.90	177.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Buff-pink very fine grained iD hosts 5% white Q/Ca strs and	174.90	175.90	79285	1.00	1.69	7.0			0.3	0.3				
					vnlts (mm to 20cm) 70TCA. mSer in Qtz. 175.9-176.8 mD mgr	175.90	176.80	79286	0.90	0.03	1.0								
177.20	177.40	QSTR	QSTR	Quartz Stringer	UC @80TCA. White quartz, locally ifrac'd with Py/Gf	176.80	177.70	79287	0.90	0.98	5.0		2.0						
					hairline to 1mm. Few partially digested iD frags.	177.70	178.70	79288	1.00	0.55	1.0		2.0						
177.40	179.60	5CaiD		Volcanics, IntDol	Classic iD grades to mD with Chl filled fracs to 2mm.	178.70	179.60	79289	0.90	0.01		1.0	2.0						
179.60	181.10	5CamD		Volcanics, ModDol	mD mK as above.														
181.10	193.30	5Ca		Volcanics	wD numerous white K filled hairline to 2mm fracs. No PDO. Minor local Py. 184.1-184.6 i muddy Py, Py/Gf in fracs. Few cgr Py to 3mm.														
193.30	200.90	5CamD		Volcanics, ModDol	mD mK 196.3-196.5 iD														
200.90	202.00	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD hosts 2 qvnlts. White Q/Ca with few iD frags.	200.90	202.00	79291	1.10	0.91	7.0								
202.00	205.20	5CamD		Volcanics, ModDol	mD Med grey, wfrac'd, wK (f)														
205.20	207.40	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD hosts 15% Q/Ca vnlts and strs (1-20cm)	205.20	206.05	79292	0.85	5.66	10.0			1.0	2.0				
					205.5-205.8 Qstr iSer in clots to 2cm.	206.05	206.75	79293	0.70	0.12	2.0		1.0						
					iCSE Py. Yellow carb patches.	206.75	207.40	79294	0.65	21.79	7.0	3.0				0.3		2	
207.40	211.00	5CamD		Volcanics, ModDol	mD wFrac'd with Chl.	207.40	208.00	79295	0.60	0.50									
211.00	218.35	5Ca		Volcanics	wD very competent, few Chl fracs. Few Q/Ca/Ep shears. No PDO														
218.35	218.90	10b		Lamprophyre Dyke	Dark green black. UC distinct @65TCA. LC@60TCA. Amygdaloidal, medium grained.	218.35	218.90	79296	0.55	0.01		1.0							
218.90	223.30	5Ca		Volcanics	wD w to locally m frac'd with white clay/Chl on fracs.														
223.30	225.45	5CamD		Volcanics, ModDol	mD wK														
225.45	226.30	5CaiD		Volcanics, IntDol	iD, iPy, iK, iFrac;d with Gf, Few irregular Q/Ca vnlts to 1cm	225.45	226.30	79297	0.85	2.65	4.0		5.0						
226.30	227.25	5CamD		Volcanics, ModDol	mD	226.30	227.25	79298	0.95	0.01			0.3						
227.25	228.50	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD 5Ca hosts 20% iSX Q/Ca vnlts. Low PDO.	227.25	227.90	79299	0.65	5.19	10.0	10.0			0.3				
						227.90	228.50	79301	0.60	5.15	10.0	10.0			0.3				
228.50	230.80	5CaiD		Volcanics, IntDol	iD classic. Few irregular Q/Ca vnlts	228.50	229.20	79302	0.70	0.31	5.0		20.0						
						229.20	230.20	79303	1.00	3.33	20.0								
						230.20	230.80	79304	0.60	1.72	3.0		2.0						
230.80	237.00	5Ca		Volcanics	mD quickly grades to wD, mK 236.3-237.0 mD, iK														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
237.00	238.00	5CaiD		Volcanics, IntDol	237.45-237.5 Qstr 4cm Massive clotty Py in HW, iSer in Qstr. Irregular selvages. iG in fracs (hairline to 2mm)	237.00	238.00	79305	1.00	0.49	7.0		1.0						i
238.00	244.70	5CamD		Volcanics, ModDol	238-241.0 mD mK local cherty xenoliths? to 5cm. Tr diss Py. 241.0-241.4 Qvnlt iPy in HW/FW. mD. 3mm QVNLT with sph.	241.00	241.40	79306	0.40	0.55		5.0			1.0	1.0			
244.70	251.50	5Ca		Volcanics	wD massive dark green.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-05

Collar Details			Purpose:	Started	August 22, 2005		
Longitude	461799.05	E	Test 110° structure in SV03 and SV04 east of SV03	Finished	August 26, 2005		
Latitude	6567941.44	N		Logged By:	L. Hunt		0
Elevation	992.50	m ASL		Tests	Depth	Az	Dip
End of Hole	178.40	m			0.0	30.0	-45.0
Azimuth	30.00				173.7	38.0	-46.8
Dip	-45.00						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	3.70	OB		Overburden	Casing through Overburden														
3.70	5.70	5CamD		Volcanics, ModDol	mD Weakly fractured														
5.70	7.10	5CaiD		Volcanics, IntDol	Classic. Weakly fractured with Gf/Py fracture filling +/-Chl.	5.70	6.50	79307	0.80	1.75	5.0								
					6.1-6.14 (4cmTW) and 6.2-6.4 (15cm TW) Qstr iFeOX, vuggy after Py to 7mm @35TCA.	6.50	7.10	79308	0.60	0.53	4.0								
7.10	9.40	5CamD		Volcanics, ModDol	mD														
9.40	10.55	5CaiD		Volcanics, IntDol	Classic. 9.6-9.7 (5cm TW) No SX. White Q/Ca. Vuggy after Py. iSer. Irregular contacts.	9.40	10.55	79309	1.15	1.41	3.0			0.3	0.3				
10.55	24.00	5CamD		Volcanics, ModDol	mD. Few irregular Q/Ca vnlts with no SX. 12.1- 12.7 Local BX with rounded miD fragments in Chl matrix.														
24.00	29.00	5Ca		Volcanics	wD medium grey green, relatively massive, few chl filled fractures.														
29.00	37.80	5Ce		Cherty Tuff / Tuffaceous chert	29-34 Cherty tuff. iSil, pale green, very fine grained. Numerous Chl filled fractures. 34-35.4 Cherty Tuff, iSil, buff coloured, numerous light grey silica filled fractures, numerous Chl filled fractures. Very distinct LC @ 25TCA 35.4-37.8 Pale green cherty tuffs. Less siliceous, same porcelain appearance. iFeOX on fracs.														
37.80	43.75	5Ca		Volcanics	wD mSil, Few Chl fracs. Few zones 10-75cm mD. Few Q/Ca vnlts 1-3cm. Tr Py in few Q/Ca vnlts. Increasing CBX to LC.														
43.75	47.70	5CaiD		Volcanics, IntDol	Medium grey-buff. Very fine grained. Local iCBX. wPy in	43.75	44.65	79311	0.90	0.03	1.0				0.3				w
					5Ca. Few white Q/Ca vnlts. No PDO, 5-20mm. mSer in patches.	44.65	45.45	79312	0.80	0.06									w

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
47.70	57.10	5CaBX		Volcanics, BX'd	Rounded frags of mD grading into pale green cherty tuff frags set in a well foliated Chl green matrix. Frag size incr or BX less intense to bottom of unit (10-40cm)														
57.10	58.10	FLT	FLT	Fault	iK gouge. Pale creamy green														
58.10	66.60	5Ca		Volcanics	58.1-59.0 Bleached 5Ca. Creamy yellow, very fine grained. wK(p). 59.0-62.6 wmD. Numerous zones of rounded w-mD 5Ca frags in well fol'd Chl matrix. 62.6-66.6 iSil with cherty tuff frags in BX zones grades to wD5Ca.	58.50	59.00	79313	0.50	0.05			30.0						
66.60	68.90	5CfBX	FLT	Cherty Matrix BX	UC 5cm iK gouge over 5cm.	66.60	67.60	79314	1.00	0.15	3.0		15.0						
					Fine grained Py/Gf matrix hosts mm to 2cm partially digested rounded iD frags. (30% matrix/70% frags) Cgr Py disseminated throughout. LC iK gouge over 5cm.	67.60	68.60	79315	1.00	0.09	5.0		10.0						
68.90	69.60	5CaiD		Volcanics, IntDol	Classic iD. Pitted core surface, iK (p).	68.60	69.60	79316	1.00	0.27	7.0		15.0						
69.60	69.90	QV	QV	Quartz Vein	UC@ 15TCA. LC @ 20TCA. White quartz with yellow carb. Irregular non-planar contacts. mSer as vnlts and clots to 2mm. BX at LC.	69.60	69.90	79317	0.30	2.68	3.0								m
69.90	71.75	5CaiD		Volcanics, IntDol	Buff to pinkish buff. Moderate to locally iCBX. Py/Gf on fractures. Locally blocky. Few irregular Q/Ca vnlts moderately fractured with clear grey secondary Qtz and locally Gf.	69.90	70.90	79318	1.00	0.24	2.0		4.0						
						70.90	71.75	79319	0.85	0.17	2.0		4.0						
71.75	73.65	5CfBX	FLT	Cherty Matrix BX	71.75-72.2 5CfBX Pyritic Siliceous matrix hosts iD and Q/Ca fragments. ifrac'd with GF/Pt frac filling. Massive fgr Py up to 7cm. 72.2- 72.5 5Ca miD. Relatively competent. iPy/Gf fracture filling. 72.5-73.3 40% recovery. iK gouge. Very blocky. 73.3-73.65 5CfBX as above	71.75	72.20	79321	0.45	0.43			30.0						
						72.20	73.00	79322	0.80	0.19			8.0						
						73.00	73.65	79323	0.65	0.21			8.0						
73.65	79.00	5CaiD		Volcanics, IntDol	Medium grey-buff, m-iSil, Mod local fractures with muddy Py/Gf filling. Few irregular discontinuous Q/Ca vnlts some with cherty appearance. Some fgr Py in qvnlts. Local iK on fracs.	73.65	75.00	79324	1.35	0.22	2.0		12.0						
						75.00	76.00	79325	1.00	0.02	2.0		12.0						
						76.00	77.00	79326	1.00	0.03	2.0		12.0						
						77.00	78.00	79327	1.00	0.10	2.0		12.0						
						78.00	79.00	79328	1.00	0.18	2.0		12.0						
79.00	79.25	QSTR	QSTR	Quartz Stringer	15cm TW. White/creamy quartz carbonate. Upper 1/2 is wFrac'd, Lower 1/2 is iFrac'd. HW@30TCA as discrete 2-3cm BX with iD5Ca. Few Gf/muddy Py frac filling. Few late hairline grey sil vnlts. Local K filled fracs and clots. Local FeOX stained carbonate. LC discrete@30TCA.	79.00	79.25	79329	0.25	0.20			2.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
79.25	80.40	5CaiD		Volcanics, IntDol	Grey-buff moderately fractured with muddy Py hairlines to 3mm. Irregular creamy carbonate vnlt to 3mm. Few irregular Q/Ca vnlts 2-20mm.	79.25	80.40	79331	1.15	0.11									
80.40	114.40	5Ca		Volcanics	80.4-102.1 Alternating wD (dark green) and mD. Few irregular Q/Ca vnlts, irregular networks, with muddy Py. mK throughout. Disseminations of 1-2mm blebs of fgr mafics?. 102.1-114.4 wD mSi. Weakly fractured with Chl/Q/Ca filling to 2mm. Very few mD zones with few irregular Q/CA vnlts. Gradational coantact with iD below.	83.10	83.70	79332	0.60	0.01			2.0						
114.40	114.75	5CaiD		Volcanics, IntDol	Classic	114.40	114.75	79333	0.35	1.39	3.0								
114.75	115.05	QSTR	QSTR	Quartz Stringer	UC/LC@25TCA. White Qtz/Yellow Carb. Local 1cm vugs. wSer in clots. Wdiss and frac controlled Py.	114.75	115.05	79334	0.30	0.10	0.5		1.0						
115.05	115.30	5CaiD		Volcanics, IntDol	Classic	115.05	115.50	79335	0.45	0.75									
115.30	115.35	5CfBX	BX	Cherty Matrix BX	Classic grey silica/Py matrix hosts angular Q/Ca and iD frags.2cm qvnlt.														
115.35	115.50	5CaiD		Volcanics, IntDol	Classic														
115.50	119.90	5Ca		Volcanics	w-mD Dry.														
119.90	122.00	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic grey-pinkish buff fgr iD hosts 7% 1-30cm white Q/Ca vnlts. 5Ca is weakly fractured. Q/Ca vnlts have few iD5Ca frags. Some partially digested.	119.90	121.25	79336	1.35	2.45									
						121.25	122.00	79337	0.75	0.93									
122.00	123.80	5CamD		Volcanics, ModDol	mD. Few barren Q/Ca vnlts.														
123.80	124.45	5CaiD		Volcanics, IntDol	Classic iD.	123.80	124.45	79338	0.65	0.10	3.0								
124.45	126.50	5CamD		Volcanics, ModDol	mD dry except for 1@ 4cm Q/Ca vnlt @25TCA. Vuggy with mgr Py on selvages.														
126.50	127.30	5CaiD		Volcanics, IntDol	Classic iD with 3.5cm Q/Ca vnlt @25TCA (50/50 white/gray qtz.)	126.50	127.30	79339	0.80	1.31	3.0			0.5					
127.30	128.70	5CamD		Volcanics, ModDol	mD grading to wD.														
128.70	146.55	5Ca		Volcanics	128.7-135.0 Dark green wD. Local iCBX. Chl on fracs. mK(p) 135.0-146.55 mSil very competent. wD.														
146.55	147.75	QSTRZ	QSTRZ	Quartz Stringer Zone	Distinct UC with wD. iD hosts: 147.0-147.1 7cm TW Qvnlt @25TCA w-mSer 147.3-147.39 3cm TW Qvnlt @30TCA 147.5-147.85 4cmTW Qvnlt @45TCA Very CSE Py at 147.4 Tr Py in Qvnlts.	146.55	147.75	79341	1.20	4.51	7.0								w
147.75	149.20	5CamD		Volcanics, ModDol	mD	147.75	149.20	79342	1.45	0.04		0.3							
149.20	149.55	5CaiD		Volcanics, IntDol	Classic iD	149.20	150.10	79343	0.90	1.70	7.0								w
149.55	149.80	QSTR	QSTR	Quartz Stringer	UC@40TCA. LC@55TCA, White, moderately fractured with Gf/Sil fracture filling. mSer (f). 5% digested iD frags. wPy														
149.80	150.10	5CaiD		Volcanics, IntDol	Classic														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
150.10	156.10	5CamD		Volcanics, ModDol	mD, wK(p). Relatively massive.														
156.10	157.70	5CaiD		Volcanics, IntDol	Classic i CSE Py esp selvages. 156.3-156.4 5cm TW Qvnlt Weakly frac'd with muddy Py fracture filling.	156.10	156.90	79344	0.80	2.95	5.0								
157.70	157.85	5CfBX	BX	Cherty Matrix BX	Classic @45TCA. 70%Pt/Chacedonic matrix hosts iD and 5Ca frags. CSE in 5Ca.	156.90	157.85	79345	0.95	2.37	10.0								
157.85	158.75	QV	QV	Quartz Vein	iFrac'd white Qv with Py/Gf on fracs. Disseminated and fracture controlled SX.	157.85	158.75	79346	0.90	3.19		2.0	3.0	2.0					
158.75	158.95	5CfBX	BX	Cherty Matrix BX	As above. 60TCA. 30/70 frags/matrix. Mostly QV frags. vfgr Py in matrix.	158.75	158.95	79347	0.20	0.61		60.0							
158.95	161.10	5CaiD		Volcanics, IntDol	Medium grey black to pinkish grey. iPy on fracs. m-iK(p)	158.95	159.70	79348	0.75	0.14		5.0	10.0						
						159.70	161.10	79349	1.40	0.26			5.0						
161.10	162.80	5CamD		Volcanics, ModDol	mD w-mK(p)														
162.80	178.40	5Ca		Volcanics	162.8-172.7 wD Few barren irregular Q/Ca vnlts 172.7-178.4 wD grades to mD. Numerous irregular Q/Ca vnlts mK. 173.9-174.0 iK gouge.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-06

Collar Details			Purpose:	Started	August 26, 2005		
Longitude	461621.00	E	Test Somerville along strike 50m W of SV-03 for continuity and grade at depth.	Finished	August 30, 2005		
Latitude	6567928.00	N		Logged By:	L. Hunt		0
Elevation	998.00	m ASL		Tests	Depth	Az	Dip
End of Hole	263.70	m			0.0	345.0	-45.0
Azimuth	345.00				15.2	343.5	-48.0
Dip	-45.00				253.0	353.5	-46.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	4.60	OB		Overburden	Casing through Overburden														
4.60	9.40	5Ca		Volcanics	4.6-6.1 wD with subcrop 6.1-9.4 wD Few irregular Q/Ca vnlts chl alt'd, iFeOX on fracs.														
9.40	16.80	5CamD		Volcanics, ModDol	9.4-15.8 Medium grey relatively massive. Very few irregular Q/Ca vnlts. 15.8-16.8 iCBX, mi-Gf, locally few irregular Q/Ca vnlts, Muddy py @ vnlt selvages. No SX in vnlts.														
16.80	23.80	5Ca		Volcanics	Relatively massive wD-mD 19.8-20.0 2 barren 3-4cm TW Q/Ca vnlts with Chl frags.														
23.80	25.35	5CamiD		Volcanics, Mod-IntDol	m-iD. wPy.	23.80	25.35	79351	1.55	0.03			1.0						
25.35	32.90	5CamD		Volcanics, ModDol	mD mfrac'd with grey chalcedony and Chl fracture filling. Local iK (f). Ser alt'n as 2mm specks appears at 31.3. Local iD patches at 31.7-32.9														
32.90	37.00	5CaiD		Volcanics, IntDol	Light to medium grey buff. mSer throughout. Few irregular	32.90	34.10	79352	1.20	0.07	1.0		0.5						m
					fractures with grey Qtz and vfgr Py.	34.10	35.10	79353	1.00	0.01	1.0		0.5						m
					36.1-37 2 qstrs, 10 and 25cm. m-iSer and iK/Gf on fracs.	35.10	36.10	79354	1.00	0.35	1.0		0.5						m
					wPy in qtz. Few well digested iD frags.	36.10	37.20	79355	1.10	1.18	2.0								m
37.00	42.00	5CamD		Volcanics, ModDol	mD buff wfrac'd with Q/Ca frac filling (2-10mm)	37.20	38.20	79356	1.00	0.21		3.0							
					37.65-38.2 Few 2-3mm and 1@7mm black siliceous vnlts with if-mgr Py in Qtz and selvages.	42.00	42.70	79357	0.70	0.09	2.0	1.0							
					38.2-42.0 mD local iCBX														
42.00	42.95	5CaiD		Volcanics, IntDol	iD iCBX, iPy, Few irregular Q/Ca vnlts to 3cm with tr fgr Py.														
42.95	43.00	5CfBX	QSTR	Cherty Matrix BX	Dark grey iPy chalcedonic matrix host angular qtz frags and 5cm TW qvnlt@75TCA.	42.70	43.40	79358	0.70	0.40	5.0	1.0	2.0						
43.00	49.00	5CamD		Volcanics, ModDol	mD Few CSE Py around 43.6	43.40	44.40	79359	1.00	0.03	1.0								
					48.1-48.3 iK(p) 1cm gouge 20TCA. Few irregular Q/Ca vnlts @40TCA over 2-3cm.	44.40	45.40	79361	1.00	0.01	1.0								
					44.95 3cm TW iCBX @90TCA. with wPy.														
49.00	60.30	5Ca		Volcanics	wD pale green weakly fractured with Chl filling +/- Q/Ca.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
60.30	65.50	5CamD		Volcanics, ModDol	mD Few irregular Q/Ca vnlts/fracture fillings. Local spotty D'alt'd plag? from 62.5-65. 65.0-65.5 iCBX														
65.50	67.00	5CaiD		Volcanics, IntDol	iCBX, moderately broken core. iCSE Py. Few barren irregular Q/Ca vnlts <1cm. iK(f), iGf(f) 66.4-66.47 qvnlt. iGf, iSer on fracs. 66.6-67.1 blocky core.	65.50	66.50	79362	1.00	0.17	5.0		1.0						
						66.50	67.00	79363	0.50	0.73	5.0		1.0						
67.00	67.40	QV	QV	Quartz Vein	White qtz (mCarb). Few well digested iD5Ca frags. Few Gf/Py fractures (hairline). wPy.	67.00	67.40	79364	0.40	0.06		0.3							
						67.40	68.40	79365	1.00	0.51	3.0	5.0							
67.40	69.10	5CaiD		Volcanics, IntDol	Classic iD. Moderately fractured with fine grained Py and graphite replacing silica. 1-2mm.	68.40	69.40	79366	1.00	0.47	3.0	5.0							
69.10	73.00	FLT	FLT	Fault	69.1-71.2 m-iD. Blocky core. mSer, Py/Gf on fracs. 71.2-71.4 2 Q/Ca vnlts. wBx iK No SX. 71.4-73.0 mD iK Iblocky core.	69.40	70.40	79367	1.00	0.33	3.0	5.0							
73.00	74.40	5Ca		Volcanics	wD medium green. Few hairline Q/Ca filled fracs.	70.40	71.40	79368	1.00	0.18		1.0							m
74.40	75.80	5CaiD		Volcanics, IntDol	Medium buff-grey. iK throughout mGf on fracs. Py increases to end of interval.	74.40	75.80	79369	1.40	0.25		3.0	1.0						
75.80	76.80	QV	QV	Quartz Vein	White qtz (mCarb). Few well digested iD5Ca frags. Many iK fractures (hairline). UC @30-40TCA 75.8-76.3 Moderately fractured QV with secondary grey silica fracture filling with some muddy Py. 76.3-76.8 iFrac'd(BX) with iD/iGf alt matrix hosting mm scale Q Frags.	75.80	76.80	79371	1.00	0.18		0.2	0.5						
76.80	80.80	5CaiD	FLT	Volcanics, IntDol	iD, iSer, mPy, iK gouge to 77.8. Some QV frags.	76.80	77.80	79372	1.00	0.20	1.0	2.0							i
						77.80	79.30	79373	1.50	0.01	1.0	2.0							i
						79.30	80.80	79374	1.50	0.01	1.0								i
80.80	82.90	5CaiD		Volcanics, IntDol	mK(p). Locally iK fractures @90TCA. Q/Ca stockwork @ 81.8-81.9	80.80	81.70	79375	0.90	0.02			1.0						
						81.70	82.40	79376	0.70	0.05									
82.90	84.75	5CamD		Volcanics, ModDol	mD, wfrac'd with Q/Ca +/- Chl in hairline to 2mm fracs. NoSX.														
84.75	87.80	5Ca		Volcanics	wD pale medium green mFrac'd with CHl +/- Q/Ca														
87.80	93.10	5CamD	FLT	Volcanics, ModDol	Shear zone. miD 5Ca with Q/Ca @90TCA. 93.0-93.1 iK gouge	87.80	88.15	79377	0.35	0.02			6.0						
93.10	94.10	5CamiD		Volcanics, Mod-IntDol	m-iD Yellow carb alt'n. iFrac'd. iMuddy Py. Few irregular Q/Ca vnlts	93.10	94.10	79378	1.00	0.04		1.0							
94.10	99.00	5CamD		Volcanics, ModDol	mD, wfrac'd with Q/Ca +/- Chl in hairline to 2mm fracs. NoSX.														
99.00	102.70	5Ca		Volcanics	wD m-iK(p) locally														
102.70	104.70	5CamiD		Volcanics, Mod-IntDol	m-iD, Few irregular Q/Ca vnlts with wPy. Muddy Py in iFrac. iGf throughout. 103.4-103.5 Qstr m-i frac'd with Gf frac filling. Few well digested iD frags. Irregular contacts. UC @30TCA.	102.70	103.70	79379	1.00	0.05			7.0						
						103.70	104.70	79381	1.00	0.03			7.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
104.70	115.15	5Ca		Volcanics	wD mK (p) Few irregular Q/Ca vnlts to 1cm. Few mD zones assoc with Q/Ca shears. No PDO.														
115.15	115.70	5CamiD		Volcanics, Mod-IntDol	m-iD, iK assoc with shears @20TCA. iPy on fracs and patches. Minor Q/Ca vnlts with 1-3mm angular iGf iD frags	115.15	115.70	79382	0.55	0.01			4.0						
115.70	121.25	5Ca		Volcanics	w-mD iK(p). Local iK gouge, numerous Q/Ca/Gf/Muddy Py shears/vnlts @70 and 25TCA.														
121.25	123.35	5CaiD		Volcanics, IntDol	Grey buff, Not classic. iMuddy Py, iGf (F), Numerous irregular Q/Ca vnlts with Py replacement.	121.25	122.30	79383	1.05	0.01			10.0						
						122.30	123.35	79384	1.05	0.01			10.0						
123.35	136.20	5Ca		Volcanics	w-mD, iK throughout. mD assoc with numerous irregular Q/Ca vnlts in shears. Locally chaotic fol'n. 5-25TCA.														
136.20	138.75	5CaiD		Volcanics, IntDol	Buff grey iD, iGf, Few irregular Q/Ca vnlts associated with i fracturing.filled with muddy Py/Gf. mK in zones without fracturing.	136.20	137.45	79385	1.25	0.01			12.0						
						137.45	138.75	79386	1.30	0.02			12.0						
138.75	150.10	5Ca		Volcanics	138.75-143.8 w-mD iK(p) numerous Q/Ca vnlts +/- clay. Numerous irregular Chl filled fracs to 3mm. 143.8-145.1 Chalcedonic vnlt at UC with few chalcedonic patches. Ser in vnlts and patches. Few irregular Q/Ca vnlts 1-3cm 145.1-150.1 dark green wD, mSil. Locally weakly foliated with more cherty tuff beds. Local CSE Py.	141.10	141.80	79387	0.70	0.20		1.0	2.0						
						143.80	145.10	79388	1.30	0.11	0.5	2.0	7.0						
150.10	153.00	5CamiD		Volcanics, Mod-IntDol	m-iD medium grey-buff, w-m frac'd with chl/Gf in hairline fracs. Local iSil, iGf, iPy patches. 151.45-153.0 iSer diss throughout. 2cm qvnlt, iSer, NoSX @151.1 Local iCBX with CSE Py.	150.10	151.10	79389	1.00	0.11	1.0	1.0	1.0						
						151.10	152.00	79391	0.90	0.04	1.0	1.0	1.0						i
						152.00	153.00	79392	1.00	0.01	1.0	1.0	1.0						
153.00	157.00	5Ca		Volcanics	wD dark green relatively massive.														
157.00	162.10	5CaiD	QSTRZ	Volcanics, IntDol	wBX @UC with wD. Few qtz frags and vnlts.	157.00	158.40	79393	1.40	0.12		0.3							i
					157.07-158.4 Pale green buff iSer, wPy.	158.40	159.20	79394	0.80	1.05	7.0	3.0							
					158.4-162.1 Qstrz iGf, mSil, iPy . Few White Qvnlts @70 TCA. 4cm TW. Some mineralized (160.6-160.7) Gf Sty.	159.20	160.20	79395	1.00	0.86	7.0	3.0							
						160.20	161.20	79396	1.00	0.87	7.0	3.0							
						161.20	162.10	79397	0.90	0.03	7.0	3.0							
162.10	163.70	5CamD		Volcanics, ModDol	mD grades quickly to wD														
163.70	178.70	5Ca		Volcanics	wD grades to mD @ end of unit. Massive medium to dark green.														
178.70	180.50	5CamD		Volcanics, ModDol	mD with 5Ce xeno? at 179.4 greenish with sil flood. 1% fgr diss Py.														
180.50	181.65	5CaiD	QSTRZ	Volcanics, IntDol	3cm, 10cm, 2cm qvnlts/strs. White, vuggy/drusy with Ser in vugs. Stylolitic fracs with iD frags.	180.50	181.65	79398	1.15	0.64									w
181.65	190.10	5Ca		Volcanics	mD grade quickly to wD. Numerous Chl alt'd fracs.	190.10	191.10	79399	1.00	1.63	3.0	0.3							i
190.10	193.60	5CaiD		Volcanics, IntDol	Marked UC. Classic iD, mPy, mSer.	191.10	192.20	79401	1.10	1.04	3.0	0.3							i

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					190.87-191.1 Irregular qvnlt. Weakly frac'd with Chl. iSer, fgr wPy.	192.20	193.60	79402	1.40	0.03		1.0							
193.60	196.85	5Ca		Volcanics	w-mD mK(f) Few irregular Q/Ca vnlts														
196.85	198.40	5CaiD		Volcanics, IntDol	Spotty iSer throughout (1-2mm). Few irregular Q/Ca vnlts to 3mm. No SX.	196.85	197.50	79403	0.65	0.46	3.0	2.0							i
198.40	201.15	5Ca		Volcanics	mD grades quickly to wD.														
201.15	206.40	5CaiD		Volcanics, IntDol	w-mfrac'd relatively massive iSer, Few irregular Q/Ca vnlts	201.15	202.20	79404	1.05	0.02		1.0	3.0						i
					@70-80TCA to 1cm. Few Chl/Py/Gf fracs.	205.40	206.40	79405	1.00	0.46	1.0	5.0							i
206.40	214.20	5Ca		Volcanics	wD relatively massive with few irregular Q/Ca vnlts hairline to 3mm.														
214.20	218.30	5CamD		Volcanics, ModDol	mD	217.30	217.40	79406	0.10	0.47									
218.30	218.70	5CaiD		Volcanics, IntDol	iD. Few iGf fracs. Few HW Q/Ca vnlts. iSer in Ca.	218.30	218.70	79407	0.40	1.33	4.0	4.0							i
218.70	219.30	QV	QV	Quartz Vein	UC@75TCA. LC indistinct. Numerous well digested iD5Ca frags associated with stylolitic fracs. iSer frags.	218.70	219.30	79408	0.60	1.20		1.0							i
219.30	220.20	5CaiD		Volcanics, IntDol	As above.	219.30	220.20	79409	0.90	0.45	3.0								
220.20	220.78	10b		Lamprophyre Dyke	5% 1-2mm anygdules of Q/Ca Balck/greenish black mgr groundmass.														
220.78	222.70	5Ca		Volcanics	wD with: 222.4-222.7 2 cherty Q/Ca vnlts @20TCA with partially digested iCBX 5Ce frags. iPy	222.40	222.70	79411	0.30	0.55	2.0	1.0							
222.70	226.70	5CamD		Volcanics, ModDol	md m-iSer, relatively massive. 2@ 7mm qvnlts. No SX.														
226.70	233.40	5Ca		Volcanics	Dark green wD														
233.40	234.20	5CaiD		Volcanics, IntDol	Classic	233.40	234.20	79412	0.80	0.24	2.0	1.0							
234.20	242.00	5Ca		Volcanics	wD Massive														
242.00	243.30	5CaiD		Volcanics, IntDol	iD halo to 2.5cm Qvnlt @45TCA. iGalt and few other <1cm vnlts. NoSX in Qtz. iPy in wall.	242.00	243.30	79413	1.30	0.66	2.0	0.3				0.3			
243.30	245.80	5CamD		Volcanics, ModDol	mD														
245.80	251.60	5Ca		Volcanics	wD														
251.60	251.90	5CaiD		Volcanics, IntDol	Classic iCSE Py	251.60	252.45	79414	0.85	3.31	5.0	1.0							
251.90	252.15	QSTR	QSTR	Quartz Stringer	70TCA. Snow white. One patch CSE Py. Carb on selvages. iCBX with iD frags.														
252.15	252.45	5CaiD		Volcanics, IntDol	Classic iCSE Py.														
252.45	263.70	5Ca		Volcanics	wD														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-07

Collar Details			Purpose:	Started	October 22, 2005		
Longitude	461369.00	E	Test Somerville along System near Thrust cntc.	Finished	October 24, 2005		
Latitude	6568025.00	N		Logged By:	L. Hunt		0
Elevation	978.00	m ASL		Tests	Depth	Az	Dip
End of Hole	228.00	m			0.0	360.0	-45.0
Azimuth	360.00				63.4	360.0	-42.0
Dip	-45.00				228.0	360.0	-39.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.10	OB		Overburden	Casing through Overburden														
6.10	69.50	5Dd		Graphitic Argillite	Black and grey intercalated siltstones and graphitic mudstones. Local well developed laminae with average PDO 45TCA. Local chaotic soft sediment deformation and development of "clasts". Few irregular Q/Ca vnlts. 30.65-32.0 Medium grey very fine grained grey-buff siltstone. Local vugs to 3x10mm max in the center of the unit. Some Q/Ca alt vnlts and laminae replaced by vfgr Py. 45.1-53.8 Mostly Gf mudstones. Relatively competent. 53.8-54.1 Lost core. Possibly fault. 54.1-66.5 Chaotic soft sed deformation apparent in more common laminae. Py replacement common. 66.5-69.5 iG, mK locally													
69.50	73.40	5Ca		Volcanics	wD UC@90TCA. Pale grey green with distinct mottled appearance due to patchy yellow carb alt'n. mK grade downhole to wK. Few barren clear to white quartz vnlts 7-50mm. 73.0-73.4 mK														
73.40	73.60	5Ca	FLT	Volcanics	iK gouge with whitw Q/CA vnlt.stockwork @80TCA.														
73.60	75.05	5Ca		Volcanics	wD as above.														
75.05	75.25	5Ca	FLT	Volcanics	iK gouge.														
75.25	78.90	5Ca		Volcanics	wD as above.	75.60	76.60	317501	1.00	0.01			3.0						
						76.60	77.60	317502	1.00	0.01			3.0						
						77.60	78.90	317503	1.30	0.02			3.0						
78.90	81.70	5CaiD		Volcanics, IntDol	iD, m-iK (p). Mottled with yellow carb alt;n. Chaotic network of hairline fractures. Competent core.	78.90	79.90	317504	1.00	0.02			30.0						
						79.90	80.90	317505	1.00	0.03			30.0						
						80.90	81.70	317506	0.80	0.01			30.0						
81.70	83.40	5CamD		Volcanics, ModDol	mD, w-mK (p) Mottled mD, Numerous hairline fracs with py and few irregular Q/Ca vnlts to 2-5% locally. w-mK (p)	81.70	82.90	317507	1.20	0.01									
						82.90	83.40	317508	0.50	0.02									
83.40	88.70	5Ca		Volcanics	wD. Medium green mK(p) grades to wK														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
88.70	89.60	5CaiD		Volcanics, IntDol	iD, Pale to medium pinkish grey, few irregular Q/Ca vnlts to 3mm @45TCA.	88.70	89.60	317509	0.90	1.22	3.0	2.0							
89.60	96.50	5Ca		Volcanics	Medium green fine grained. Few zones of mCBX with Chl frac filling. Few local zones of yellow alt'd mD.														
96.50	97.30	5CaiD		Volcanics, IntDol	iD, Tr mariposite. m-iSer throughout. Medium green-buff. Fine grained. m-iCBX. Classic iD. 96.4-96.7 Qvnlt 4cmTW. UC80, LC60 96.85-97.0 Qstr 10cm TW.	96.50	97.30	317511	0.80	0.93	5.0	0.3	2.0			0.3			m
97.30	100.10	5Ca		Volcanics	As above.														
100.10	101.60	5CaiD		Volcanics, IntDol	As above. 100.27-100.35 Qvnlt.	100.10	100.95	317512	0.85	0.66	3.0		2.0						m
					Few 1cm Q/Ca vnlts.	100.95	101.60	317513	0.65	0.60	3.0		2.0						m
101.60	103.70	5Ca		Volcanics	w-mD wCBX.	101.60	102.60	317514	1.00	0.03		0.3							
						102.60	103.70	317515	1.10	0.11		0.3							
103.70	104.25	5CaiD		Volcanics, IntDol	As above with 2% 5mm qvnlts. No PDO.	103.70	104.25	317516	0.55	0.37		2.0	1.0						
104.25	106.20	5CamD		Volcanics, ModDol	mD grades to wD back to mD.	104.25	105.25	317517	1.00	0.04		0.3							
						105.25	106.20	317518	0.95	0.30									
106.20	106.80	5CaiD		Volcanics, IntDol	Grey-pinkish buff. Fine grained. m-iCBX. Few irregular Q/Ca vnlts to 1cm. No PDO.	106.20	106.80	317519	0.60	1.15	5.0		1.0						
106.80	109.40	5Ca		Volcanics	wD, wK(p) Medium green, mCBX.														
109.40	110.00	5CaiD		Volcanics, IntDol	iD classic. 5% 3-40mm qvnlts. 109.8-110.0 iCBX iK mGF	109.40	110.00	317521	0.60	0.91	5.0		2.0						
110.00	120.05	5CamD		Volcanics, ModDol	mD, mK 110-111 m-iCBX, mGf 111.0-113.45 mD, vfgr, Few barren Q/Ca vnlts to 15mm. 70TCA. 7% Q/Ca OA. 113.4-117.95 wD mCBX locally. Very few irregular Q/Ca vnlts to 5mm 117.95-118.1 m-iD halo to 12mm TW qvnlt BX with angular mD frags @40TCA														
120.05	120.15	5CaiD		Volcanics, IntDol	Halo to CfBX	120.05	120.90	317522	0.85	0.64		5.0	3.0						
120.15	120.28	5CfBX	BX	Cherty Matrix BX	Py/Chalcedony matrix host few irregular Q/Ca fragments (5-30mm rounded to sub-ang) and numerous 1-10mm scale iD5Ca frags.														
120.28	120.90	5CaiD		Volcanics, IntDol	Classic. PDO developed in Py fracs @ 60-70TCA. m-iSer(p)														
120.90	122.55	5Ca		Volcanics	wD, mCBX local 2-3cm iCBX	120.90	121.70	317523	0.80	0.02									
						121.70	122.55	317524	0.85	0.01									
122.55	122.80	5CaiD		Volcanics, IntDol	Halo to Q/Ca str. Classic. No qvnlts. mSer.	122.55	122.80	317525	0.25	0.48	1.0	1.0	0.5		0.8	1.5			m
122.80	123.00	QSTR	QSTR	Quartz Stringer	White Q/ca with numerous deformed iD5Ca inclusions (15%). UC@60, LC@70TCA.	122.80	123.00	317526	0.20	0.38									
123.00	123.25	5CaiD		Volcanics, IntDol	Halo to Q/Ca str. Classic. No qvnlts. mSer.	123.00	123.25	317527	0.25	0.26									m
123.25	126.60	5Ca		Volcanics	wD, Local wCBX.														
126.60	131.30	5CamD		Volcanics, ModDol	mD, Yellow alt'n., wCBX incr to iCBX at 129.3														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
131.30	134.80	5CaiD		Volcanics, IntDol	Grey-buff mK(p) fine grained.	131.30	132.70	317528	1.40	0.16		2.0							
					131.3-132.7 Local mCBX zones 3-5cm.	132.70	132.90	317529	0.20	3.50	3.0					0.3			
					132.7-132.9 iCBX with 10% irregular Q/Ca vnlts with SX.	132.90	133.90	317531	1.00	0.06		1.0							m
					132.9-134.8 iD vwSX.	133.90	134.80	317532	0.90	0.05		1.0							
134.80	136.25	QSTRZ	QSTRZ	Quartz Stringer Zone	10-15% white Qtz vnlts (minor carb). Irregular orientation.	134.80	135.60	317533	0.80	0.63	2.0	2.0							
					Some vnlts have fresh to partially digested m-iD frags. No PDO.	135.60	136.25	317534	0.65	0.65	2.0	2.0							
136.25	139.00	5CamD		Volcanics, ModDol	mD, mK (p) wCBX.														
139.00	142.40	5Ca		Volcanics	wD local iCBX.														
142.40	144.00	5CaiD		Volcanics, IntDol	iD, iCBX iMuddy Py.	142.40	143.40	317535	1.00	0.01			3.0						
						143.40	144.00	317536	0.60	0.31									
144.00	144.20	5CamD		Volcanics, ModDol	mD, wSer	144.00	144.90	317537	0.90	0.21									
144.20	144.90	5Ca		Volcanics	wD, wCBX														
144.90	145.40	5CamD		Volcanics, ModDol	mD, mSer	144.90	146.00	317538	1.10	0.14									m
145.40	146.00	5CamiD		Volcanics, Mod-IntDol	miD. mSer.														
146.00	146.30	5CaiD		Volcanics, IntDol	iD. fgr. wCBX, mPy	146.00	146.80	317539	0.80	0.48									
146.30	146.80	5CamD		Volcanics, ModDol	mD. wCBX														
146.80	150.05	5Ca		Volcanics	wD, mCBX														
150.05	150.40	5CaiD		Volcanics, IntDol	iD, mSer.	150.05	151.30	317541	1.25	0.24		4.0							m
150.40	150.80	5Ca		Volcanics	wD														
150.80	151.00	5CaiD		Volcanics, IntDol	iD. iSer, Few irregular Q/Ca vnlts No SX in vnlts.														
151.00	151.30	5CamD		Volcanics, ModDol	mD														
151.30	152.25	5CaiD		Volcanics, IntDol	iD grades quickly to mD, mSer. Weakly frac'd with Chl/Py in fracs.	151.30	152.25	317542	0.95	0.22		4.0							m
152.25	154.50	QSTRZ	QSTRZ	Quartz Stringer Zone	7% 2-40mm white Q/Ca vnlts @70-90 TCA in iD, mSer,	152.25	153.40	317543	1.15	0.40		5.0	6.0		0.3	0.3			m
					iPy, locally iSer 5Ca.	153.40	154.50	317544	1.10	0.57		5.0	6.0						m
154.50	157.95	5CaiD		Volcanics, IntDol	m-iCBX, m-iSer, Very few Q/Ca vnlts. Local mK (f)	154.50	155.50	317545	1.00	0.17		5.0	2.0						m
						155.50	156.60	317546	1.10	0.13		5.0	2.0						m
						156.60	157.95	317547	1.35	0.21		5.0	2.0						m
157.95	159.55	QSTRZ	QSTRZ	Quartz Stringer Zone	10% white Q/Ca vnlts and strs in iD iCBX 5Ca. Some with	157.95	158.60	317548	0.65	0.28		5.0	2.0						
					fresh to partially digested iD frags.	158.60	158.85	317549	0.25	0.02		0.3							
					158.6-158.85 Qstrs @50TCA. Some Sty fracs with Gf and Py. Some secondary Grey/white Qtz.	158.85	159.55	317551	0.70	1.03	1.0	1.0							
159.55	165.85	5CaiD		Volcanics, IntDol	iD. Fine grained grey-pinkish buff mCBX, iPy. Few irregular Q/Ca vnlts 1-15mm @60-80TCA.	159.55	160.65	317552	1.10	0.75	1.0		1.0						
						160.65	161.75	317553	1.10	0.16	1.0		1.0						
						161.75	162.85	317554	1.10	0.05	1.0		1.0						
						162.85	163.85	317555	1.00	0.02	1.0		1.0						
						163.85	164.85	317556	1.00	0.26	1.0	7.0							
						164.85	165.85	317558	1.00	0.29	1.0	7.0							
165.85	167.40	5Ca		Volcanics	mD grades quickly to wD mCBX.	165.85	167.40	317559	1.55	0.01									
167.40	168.50	5CaiD		Volcanics, IntDol	Light buff fine grained wCBX. 7mm Qvnlt @45 TCA.	167.40	168.50	317561	1.10	0.59	3.0	1.0							
168.50	171.10	5Ca		Volcanics	Medium green fine grained. Local iCBX over 2cm.	168.50	169.70	317562	1.20	0.01									
						169.70	171.10	317563	1.40	0.03									

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
171.10	172.15	5CaiD		Volcanics, IntDol	Mostly mD w-mCBX with 3cm TW Q/Ca vnlt with iG cherty tuff frags/inclusions. Few clear to grey late Q vnlts.	171.10	172.15	317564	1.05	0.65	1.0	3.0					1.0		
172.15	176.25	5Ca		Volcanics	wD pale-medium green with local mD. Few irregular Q/Ca vnlts . No SX except @175.0, 1cm TW qvnlt with muddy Py selvages @20TCA. Few iD, iGf frags.	172.15	173.45	317565	1.30	0.01									
						173.45	174.80	317566	1.35	0.01									
						174.80	176.25	317567	1.45	0.10			2.0		1.0	1.0			
176.25	177.40	5CaiD		Volcanics, IntDol	iD. Possibly more felsic-cherty tuffs. Local patches of w-mD. mCBX.	176.25	177.40	317568	1.15	0.80									
177.40	180.45	QSTRZ	QSTRZ	Quartz Stringer Zone	10-15% 1-35mm white Q/Ca (80-20) vnlts with no PDO in iD, m-iK (p) iPy, Locally mCBX 5Ca.	177.40	178.40	317569	1.00	1.78	1.0	5.0	2.0						
						178.40	179.70	317571	1.30	3.06	1.0	7.0	3.0						
					179.7-180.3 wD5Ca with few irregular Q/Ca vnlts	179.70	180.30	317572	0.60	0.19		0.3							
					180..-180.45 iD halo to QV	180.30	180.45	317573	0.15	1.70	3.0	5.0							
180.45	180.90	QV	QV	Quartz Vein	HW @ 30TCA. FW @ 45TCA. Upper 1/2 of vein is mostly white Q/Ca with few well digested iD5Ca fragments. Few sty fracs with fgr Py. Then discrete Gf/Py slip @20TCA with slicks @60. Lower 1/2 is Grey Qtz with numerous iD5Ca fragments (fresh angular to well digested rounded.Grey Qtz is moderately to highly frac'd (NoPDO).	180.45	180.90	317574	0.45	0.64		3.0			0.8	0.5			
180.90	181.20	5CaiD		Volcanics, IntDol	Classic. Few irregular Q/Ca vnlts to 10mm.	180.90	181.20	317575	0.30	1.36	1.5	1.5			0.3				
181.20	182.65	5Ca		Volcanics	w-mD, w-mCBX	181.20	182.65	317576	1.45	0.26									
182.65	185.10	QSTRZ	QSTRZ	Quartz Stringer Zone	7% Q/Ca vnlts in CaiD. w-mCBX	182.65	183.65	317577	1.00	0.69		4.0							
						183.65	185.10	317578	1.45	1.23		1.0			0.3	0.3			
185.10	185.60	QV	QV	Quartz Vein	UC/LC @20TCA. 70%Q/30%Ca. Few fresh iD frags, few well digested frags.	185.10	185.60	317579	0.50	0.11		0.5							
185.60	186.20	QSTRZ	QSTRZ	Quartz Stringer Zone	10% Q/Ca vnlts to 1cm. No PDO in iD5Ca	185.60	186.20	317581	0.60	0.85	1.5	1.5				0.5			
186.20	186.70	QVBX	QVBX	Quartz Vein BX	No discrete contacts. 15% contorted frags iD in white Qtz. Few Py.White clay filled stylolitic fractures.	186.20	186.70	317582	0.50	0.75		2.0		1.5	2.0	1.5			
186.70	188.50	QSTRZ	QSTRZ	Quartz Stringer Zone	5% white Q/Ca vnlts hosted in iD 5Ca.	186.70	187.70	317583	1.00	1.80	3.5	3.5			0.3				
						187.70	188.50	317584	0.80	0.77	3.5	3.5			0.3				
188.50	189.90	5Ca		Volcanics	wD	188.50	189.85	317585	1.35	0.01									
189.90	190.60	5CamD		Volcanics, ModDol	mD. few 2-3cm patches of diss Py.	189.85	190.60	317586	0.75	0.23		0.3							
190.60	191.60	5CamiD		Volcanics, Mod-IntDol	m-iD. 1 @ 2cm TW Qvnlt with diss Py @45TCA.	190.60	191.60	317587	1.00	0.36		3.0							
191.60	200.30	QSTRZ	QSTRZ	Quartz Stringer Zone	10-15% 12mm avg Q/Ca vnlts (No PDO) in iD 5Ca support iD frags.	191.60	192.60	317588	1.00	0.82	4.0	5.0			0.3				
						192.60	193.60	317589	1.00	1.38	4.0	7.0			0.3	0.3			
					199.0-199.5 Very disrupted chaotic orientation of vnlts and increase in iD frags on vnlts. iCBX. CSE Py.	193.60	194.60	317591	1.00	1.08		2.0							
						194.60	195.60	317592	1.00	0.28	1.0	1.0							
						195.60	196.70	317593	1.10	0.38	2.0	3.0							
						196.70	197.80	317594	1.10	0.44		3.0							
						197.80	198.90	317595	1.10	0.43	1.0	3.0							
						198.90	200.30	317597	1.60	0.66	3.0	5.0							m
200.30	204.15	5Ca		Volcanics	Medium grey green, iSer, relatively massive.	200.30	201.30	317598	1.00	0.02	0.3	1.0							i
						203.15	204.15	317599	1.00	0.16									i

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
204.15	209.55	5CaiD		Volcanics, IntDol	iD, iSer, m-iCBX. Few irregular Q/Ca vnlts. 4cm ICBX 202.2-202.7 30-40% porphyroblasts of buff-pinkish ankerite.	204.15	205.15	317601	1.00	0.39		3.0							i
						205.15	206.10	317602	0.95	0.77	3.0	5.0							i
						206.10	207.10	317603	1.00	0.06	1.0	3.0							i
						207.10	208.20	317604	1.10	0.38	2.0								i
						208.20	209.55	317605	1.35	0.03	2.0	1.0							i
209.55	211.50	5CamD		Volcanics, ModDol	mD, wSer, mK(p). Few clay filled fracs, Few barren Q/Ca vnlts No PDO.	209.55	210.50	317606	0.95	0.02									w
211.50	226.10	5Ca		Volcanics	wD wK Pale to medium green, Very few irregular Q/Ca vnlts. Numerous Ser/Chl/ K/Q cvnlts to 8mm. No PDO.														
226.10	228.00	5CamiD		Volcanics, Mod-IntDol	m-iD, mSer, mK (p), medium grained medium grey. Few irregular Q/Ca vnlts.														
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-08

Collar Details			Purpose:	Started	October 24, 2005			
Longitude	461440.00	E	Test Somerville Extension at 461440 E	Finished	October 26, 2005			
Latitude	6567950.00	N		Logged By:	M. Glover		0	
Elevation	986.00	m ASL		Tests	Depth	Az	Dip	
End of Hole	183.50	m			0.0	360.0	-45.0	
Azimuth	360.00				6.1	360.0	-45.0	
Dip	-45.00				91.4	360.0	-43.0	
					182.9	360.0	-42.0	

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.10	OB		Overburden	Casing through Overburden														
6.10	28.00	5Dd		Graphitic Argillite	Intercalated iGraphitic mudstones and siltstones. Well developed cleavage plane fissility. Local soft sed deformation. Few late 1mm scale irregular Q/Ca vnlts locally. Very blocky core.														
28.00	28.20	FLT	FLT	Fault	wFLT with iGf rubbly gouge @30TCA.														
28.20	43.10	5Dd		Graphitic Argillite	As above. 40.4-40.6 wQstrz. 50% milky white cgr bull qstrs. No PDO.														
43.10	51.20	7c		Listwanite	Quartz Carbonate, No Mariposite.	43.10	44.00	317607	0.90	0.02		1.0							
					Generally very fine grained pale to medium grey, massive.	44.00	45.50	317608	1.50	0.02	1.0	1.0							
					No marked fabric except proximal to contacts.	45.50	47.00	317609	1.50	0.01	1.0	1.0							
					43.1-44.0 is fgr with granular texture of 1-2mm subangular	47.00	48.50	317611	1.50	0.01	1.0	1.0							
					Qtz grains cemented with carbonate. Contact with 5Dd is	48.50	49.85	317612	1.35	0.02		0.3							
					discrete and competent @45TCA. Very weak fabric @45 demonstrated by slightly elongated lithics. Probably cemented contact mylonite. 44.0-48.5 Aphanitic to very fine grained. Very weakly to indistinclty banded pale to medium grey with Py/Chl. Qtz/Carb/Minor Talc. 48.5-51.2 Weak quartz stringer zone in medium grey to black Qtz/Carb/Mafic?. 3@3 to 6cm Q/Ca vnlts with weak colliform banding @45TCA (normal to very weak fabric in host.	49.85	51.20	317613	1.35	0.01		0.3							
51.20	56.50	7c		Listwanite	Maripositic Listwanite. Quartz +/- mariposite/Carbonate. Very fine grained. Very weak foliation defined by colour banding. Very siliceous, glossy core surface. Zones without M have better defined fabric with mafics locally in banding normal to fabric.Few irregular milky white single phase brittle Q/Ca vnlts esp 52.1-52.4 (40%Qtz) UC of 7C is distinct and competent @45TCA.	52.10	52.40	317614	0.30	0.03				1.0					

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
56.50	69.60	5Ca		Volcanics	Relatively homogenous sequence of fine grained massive moderately bleached and silicified 5Ca. Pale grey-green.	60.60	60.90	317615	0.30	0.01									
						63.60	63.70	317616	0.10	0.02									
69.60	70.20	QSTRZ	QSTRZ	Quartz Stringer Zone	50% coarse grained milky quartz stringers including 1 @ 10cm TW. 15-70TCA.	69.60	70.20	317617	0.60	0.46				0.3			0.3		
70.20	74.80	5CamD		Volcanics, ModDol	70.2-73.4 Buff grey fine grained massive homogenous iSil mD. No fabric or PDO to fracs. 73.4-74.8 Weakly mottled massive fgr dark green with vague 1-2mm carb/Ank porphyroblasts to 20% locally.														
74.80	77.40	5Ca		Volcanics	74.8-76.15 Buff-grey fine grained wD with very weak shear fabric/colour banding locally. Minor Ca vnlt at 75.55-75.60. 76.15-77.4 Weakly shear laminated. Medium green with Chl and 1mm scale buff carbonate streaks.														
77.40	78.20	5CamiD		Volcanics, Mod-IntDol	miD alteration. Minor CBX proximal to FLT														
78.20	78.70	FLT	FLT	Fault	iK gouge and rubble. 30% recovery. Possibly @45TCA.														
78.70	79.60	5Ca		Volcanics	wD with local mD. Massive fine grained medium green and buff. 2@6mm qvlnts @60TCA @ 79.2. No sig SX.	78.70	79.60	317618	0.90	0.01									
79.60	82.50	5CaiD		Volcanics, IntDol	iD to miD. Buff. wCBX. Fine grained mSil. Very weak stringer zone @ 80.9-81.7 4@1cm qvnlts @45TCA.	79.60	80.90	317619	1.30	0.02									
						80.90	81.70	317621	0.80	0.03		0.3		0.3					
						81.70	82.50	317622	0.80	0.05									
82.50	88.40	5Ca		Volcanics	Classic wD. Fine grained massive medium green relatively unaltered.														
88.40	90.20	5CamD		Volcanics, ModDol	Buff alt'n halo to polyphase Q/Ca vnlt at 89.2-89.3. Vnlt is 70TCA. Primary bull white str remob'd and filled with buff carbonate/silica melange.	88.40	89.20	317623	0.80	0.01									
						89.20	89.30	317624	0.10	0.01									
						89.30	90.20	317625	0.90	0.01									
90.20	93.05	5Ca		Volcanics	wD as above.														
93.05	95.95	5CamD		Volcanics, ModDol	mD alt'n halo to 5cm TW milky white Qvnlts at 40TCA at 95.6-95.85 and 94.4-94.5. Tr Sph.	93.05	94.40	317626	1.35	0.01			0.3						
						94.40	94.50	317627	0.10	0.01					0.3				
						94.50	95.95	317628	1.45	0.01			0.3						
95.95	100.25	5Ca		Volcanics	Classic wD. Fine grained massive medium green relatively unaltered homogenous. 1@2cm colliform Qvnlt @ 96.1@70TCA.														
100.25	102.90	5CamD		Volcanics, ModDol	UC miD contorted BX zone then mD alt'n halo to 8cm TW qvnlt @ 101.75-101.85. Str is milky white polyphase with 40% Carbonate. Vugs to 2mm.	100.25	101.75	317629	1.50	0.01		0.3							
						101.75	101.85	317631	0.10	0.01									
						101.85	102.90	317632	1.05	0.01			0.3						
102.90	109.20	5Ca		Volcanics	Medium green fine grained weakly fractured (Whispy Chl). No PDO. No SX of note.														
109.20	113.25	5CaiD		Volcanics, IntDol	UC at gouge/slip/6mm @65TCA. Buff fine grained iD wSil, miCBX. No PDO's.	109.20	110.55	317633	1.35	0.78			1.0						
						110.55	111.90	317634	1.35	0.04			3.0						
						111.90	113.25	317635	1.35	0.21			8.0						
113.25	115.45	5CaiDBX	FLT	Volcanics, IntDol BX'd	In-situ BX of iD with mm to 3cm scale fragments. Either	113.25	114.35	317636	1.10	0.13			10.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
					clast supported or supported by muddy Py/Sil matrix. Minor gouge over 3cm @ 114.7 and 116.	114.35	115.45	317637	1.10	0.61			10.0						
115.45	116.00	5CaiD		Volcanics, IntDol	Relatively competent iD. LC is 1cm clay gouge @70 TCA. Rock is buff-pink with wCBX	115.45	116.00	317638	0.55	0.07			5.0						
116.00	126.45	5CamiD		Volcanics, Mod-IntDol	Grey-Buff fine grained moderately alt'd. Variable alt'n as noted:	116.00	117.50	317639	1.50	0.22			0.3						
						117.50	118.60	317641	1.10	0.28			1.0						
					116-118.6 Grey buff fine grained wCBX. miD. Blocky.	118.60	120.90	317642	2.30	0.20			0.3						
					118.6-121.3 As above but very poor recovery. Includes 10cm of milky white bull qvnlts.	120.90	121.30	317643	0.40	0.73			1.0						
						121.30	122.40	317644	1.10	0.13									
					121.3-123.35 mD fgr msv medium grey (not Py). Feew irregular Q/Ca vnlts to 6mm at 45TCA.	122.40	123.35	317645	0.95	0.06			0.3						
						123.35	124.90	317646	1.55	1.55	3.0								
					123.35-126.45 Buff-olive mD. massive fgr. almost unfrac'd. 2@10cm qstrs @ 123.9 and 124.7	124.90	126.45	317647	1.55	0.40	3.0									
126.45	127.55	QSTRZ	QSTRZ	Quartz Stringer Zone	10% 5-15mm milky qvnlts in 5CamiD with mCBX. Fgr olive buff generally @75TCA.	126.45	127.55	317648	1.10	0.61		2.0							
127.55	128.00	QV		Quartz Vein	iFrac'd milky white Qv @65TCA with 10% dark grey black fracture filling to 2mm.	127.55	128.00	317649	0.45	0.05		1.0							
128.00	131.70	5CamiD		Volcanics, Mod-IntDol	Generally vfgr buff-olive wCBX with few local 6-20mm Qvnlts.	128.00	128.60	317651	0.60	0.30		2.0							
						128.60	129.10	317652	0.50	0.08			12.0						
					128-128.6 wCBX Olive buff	129.10	130.50	317653	1.40	0.04			0.3						
					128.6-129.1 Dark grey wCBX	130.50	131.70	317654	1.20	0.06		1.0	0.3						
					129.1-131.7 wCBX olive buff														
131.70	133.85	5CamiD	QSTRZ	Volcanics, Mod-IntDol	Weak Q/Qca stringer zone in Buff/olive 5CamiD.	131.70	132.80	317655	1.10	1.48	5.0	3.0							
					131.7-132.8 20% Milky Q/Ca vnlts to 2cm @70TCA UC marked by single 6cm vnlt. Polyphase.	132.80	133.85	317656	1.05	5.83	5.0							3	
					132.8-133.85 15% vnlts to 3cm in miD to iD. 1@5cm vnlt @60TCA @133.5 with 15mm semimassive Py band. Note: for all. Not strong penetrative vnlts/strs. More like lazy frac filling with irregular contacts. dilational not shear.														
133.85	135.00	5CaiD		Volcanics, IntDol	Very weakly shear laminated colour banded buff/pink grey on mm-cm scale. iD, iSil, No CBX.	133.85	134.35	317657	0.50	3.39	8.0								
					134.35-135.0 Pale grey with pink tinge. Aphanitic. VW CBX'd.	134.35	135.00	317658	0.65	0.45	8.0								
135.00	135.50	5Ca		Volcanics	Classic wD. Fine grained massive medium green homogenous…	135.00	135.50	317659	0.50	0.08									
135.50	136.60	5CamiD	QSTRZ	Volcanics, Mod-IntDol	15% 1-8cm milky qvnlts @ 45-70TCA in medium grey to olive mSer iSil, miD5Ca.	135.50	136.60	317661	1.10	0.96	1.0	2.0			0.3	0.3			m
136.60	136.90	5Ca		Volcanics	w to mD. Pale green massive. fine grained.	136.60	136.90	317662	0.30	0.02		0.3							
136.90	139.75	5CaiD		Volcanics, IntDol	Pale grey-buff to medium grey fine grained massive. No to mCBX.	136.90	138.40	317663	1.50	0.44		3.0							
						138.40	139.75	317664	1.35	0.85		3.0							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
139.75	142.10	5Ca		Volcanics	Classic wD Medium green fine grained massive homogenous. Few angular Q/Ca vnlts No sig SX.	139.75	141.05	317665	1.30	0.01									
						141.05	142.10	317666	1.05	0.21									
142.10	142.90	5CamD		Volcanics, ModDol	mD alt'n halo to 5cm TW qvnlt @ 142.25-142.35 @60TCA.	142.10	142.90	317667	0.80	1.32	2.0								
142.90	143.75	5Ca		Volcanics	wD. As above.	142.90	143.75	317668	0.85	0.01									
143.75	144.40	5CamD		Volcanics, ModDol	mD alt'n halo to 4cm TW qvnlt @ 144.1 @80TCA	143.75	144.40	317669	0.65	0.05		1.0							
144.40	161.90	5Ca		Volcanics	Generally pale to medium green very fine grained massive possibly mSil, mfrac'd. Local zones of mD as alt'n halos to qstrs as noted.	144.40	145.70	317671	1.30	0.01									
						149.70	150.45	317672	0.75	0.01			0.3						
						153.65	154.50	317673	0.85	0.01									
					149.7-150.45 mD	161.00	161.90	317674	0.90	0.01									
					153.65-154.5 mD alt'n halo to 1cm colliform Q/Ca vnlt @154@75TCA.															
161.90	164.00	5CamD		Volcanics, ModDol	Buff-olive fine grained massive very weakly CBX'd mD.	161.90	163.00	317675	1.10	0.01									
					2cm composite Q/Ca str @ 163.2 @59TCA.	163.00	164.00	317676	1.00	0.10			0.3						
164.00	166.95	5CaiD		Volcanics, IntDol	164-164.95 Buff to Pale grey iD mSil miCBX with weak fissility @ 40-=50TCA. Concentration of 30% angular milky white qvnlts (irreg orient) @ 164.75-164.95	164.00	164.95	317677	0.95	0.19	3.0								
						164.95	166.40	317678	1.45	0.30	5.0								
						166.40	166.95	317679	0.55	0.18		1.0							
					164.95-166.4 iD with 10% milky qvnlts to 3cm@30-50TCA. Non penetrative contacts. Host is buff mCBX with CSE Py.														
					166.4-166.95 Fine grained massive granular weakly banded on 5-10cm scale pale grey-medium grey. LC@ 5cm QBX slip @80 TCA. Possibly healed mylonite. Weak PDO @70-80TCA.														
166.95	169.50	5CamD		Volcanics, ModDol	166.95-168.15 mD mCBX buff olive green. 15cm TW milky qstr @45TCA @ 167-167.2	166.95	168.15	317681	1.20	0.37	1.0	0.3								
						168.15	169.50	317682	1.35	0.01									
					168.15-169.5 mD buff green very weak CBX. Massive fine grained.														
169.50	172.00	5Ca		Volcanics	w to w-mD massive fine grained pale green with few irregular 1-2mm Ca vnlts	169.50	170.70	317683	1.20	0.01									
						170.70	172.00	317684	1.30	0.01									
172.00	173.80	5CaiD		Volcanics, IntDol	iD-miD. Buff. w-m CBX.	172.00	172.90	317685	0.90	0.34		3.0	0.5						
					172.0-172.9 UC gradational over 10cm. Q Ca vnlt @80TCA	172.90	173.80	317686	0.90	0.17		2.0	0.5						
					172.9-173.8 fine grained miD. wCBX.														
173.80	183.50	5Ca		Volcanics	Fine grained massive weakly fractured medium green wD5Ca. Few irregular Q/Ca vnlts. Dry. 2cm gouge @50TCA @ 180m.	173.80	175.10	317687	1.30	0.08									
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-09

Collar Details			Purpose:	Started	October 29, 2005		
Longitude	461680.00	E	Test Somerville Extension at 461680 E	Finished	October 30, 2005		
Latitude	6568047.00	N		Logged By:	L. Hunt		0
Elevation	960.00	m ASL		Tests	Depth	Az	Dip
End of Hole	139.30	m			0.0	345.0	-45.0
Azimuth	345.00				139.3	349.0	-42.4
Dip	-45.00						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	7.60	OB		Overburden	Casing through Overburden														
7.60	8.00	OB		Overburden	Casing through Overburden. Subcrop														
8.00	8.30	5CaiD		Volcanics, IntDol	iD. iFeOX stained. 5% Qtz vnlts/patches.	8.00	8.30	317688	0.30	0.01			1.0						
8.30	17.60	5Ca		Volcanics	Medium green w-mCBX. Numerous zones of rubbly core. No gouge or iK(f) noted.														
17.60	18.10	5CamD		Volcanics, ModDol	wFLT mD sheared. Irregular Q/Ca vnlts/stockwork @10TCA.	17.60	18.10	317689	0.50	0.01		1.0							
18.10	19.55	5Ca		Volcanics	Medium green w-mCBX. Numerous zones of rubbly core.														
19.55	19.90	FLT	FLT	Fault	iK gouge. 1cm barren white Q/Ca vnlt 90TCA.														
19.90	25.60	5Ca		Volcanics	wD, wCBX, competent.														
25.60	26.20	5CaiD		Volcanics, IntDol	Pinkish buff very fine grained wCBX. Few local iCBX. 1% irregular Q/Ca vnlts	25.60	26.20	317691	0.60	0.01			3.0						
26.20	26.70	5Ca		Volcanics	w-mD with local CBX, wK(p) 1 irregular Q/Ca vnlt 90TCA	26.20	27.40	317692	1.20	0.01			1.5						
26.70	26.80	5CaiD		Volcanics, IntDol	Shear plane @90TCA with iMuddy Py and 1% Qtz and iD5Ca.														
26.80	28.80	5Ca		Volcanics	w-mD with local CBX	27.40	28.80	317693	1.40	0.01		0.3							
28.80	29.15	5CaiD		Volcanics, IntDol	Pinkish brown fgr 5Ca. 28.85-28.95 shear/Bx zone. iCBX with ifrac'd re-worked Q/Ca str.	28.80	29.15	317694	0.35	0.01		7.0	3.0						
29.15	29.75	5CamiD		Volcanics, Mod-IntDol	miD, 2 zones of classic iD (iCBX, pink.brown, few irregular Q/Ca vnlts) in either end of interval with mD from 29.4-29.55	29.15	29.75	317695	0.60	0.01			2.0						
29.75	29.85	5CaiDBX	FLT	Volcanics, IntDol BX'd	Frags of classic iD with few pyritic vnlts in Muddy pyritic vnlts (matrix?) Few Q/CQ frags (No SX in frags)	29.75	30.40	317696	0.65	0.02			4.0						
29.85	30.40	5CaiD		Volcanics, IntDol	Less ank alt'n of 5Ca, still numerous fracs filled with py (fgr and muddy) and few irregular Q/Ca vnlts.														
30.40	30.80	5CamD		Volcanics, ModDol	mD iK (p)	30.40	31.90	317697	1.50	0.01			1.0						
30.80	31.60	5Ca		Volcanics	wD wCBX wK(p)														
31.60	31.80	5CamD		Volcanics, ModDol	mD iK (p)														
31.80	31.90	5Ca		Volcanics	wD wCBX wK(p)														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
31.90	32.00	QSTR	QSTR	Quartz Stringer	Sheared and BX'd. Numerous sheared iD fragments with iMuddy Py. Core of str is a band of cherty looking Qtz with frags as above. 1cm band of miD 5Ca with muddy Py.	31.90	32.00	317698	0.10	0.01		0.8	2.0						
32.00	32.30	5CamD		Volcanics, ModDol	mD mK (p)	32.00	33.20	317699	1.20	0.01									
32.30	34.25	5Ca		Volcanics	wD mK(p) vwCBX	33.20	34.25	317701	1.05	0.01									
34.25	38.70	5CaiD	FLT	Volcanics, IntDol	UC is 5cm iK gouge. iSheared iMuddy Py iD (Not classic)	34.25	35.35	317702	1.10	0.01			10.0						
					34.65-34.7 Reworked sheared BX'd Qstr with minor Py. Not	35.35	36.45	317703	1.10	0.06			10.0						
					solid qstr. Numerous iD5Ca bands and some muddy and	36.45	37.55	317704	1.10	0.02									
					fgr Py in stylolitic fracts to 2mm. Numerous localized zones of iCBX with muddy and fgr Py in fracs.	37.55	38.70	317705	1.15	0.01									
38.70	39.50	5Ca		Volcanics	w-mD mK (p)	38.70	39.70	317706	1.00	0.01									
39.50	42.80	5CamD		Volcanics, ModDol	mD mK(p) core becomes mFrac'd with white clay to 2mm. Irregular. Few local zones of iCBX.														
42.80	56.10	5Ca		Volcanics	wD, mSil, w local Talc. Pale green No to wK. Few 1-2mm irregular fracs with massive talc. Few barren white Q/Ca vnlts No PDO	55.30	56.10	317707	0.80	0.01		2.0							
56.10	57.90	5CaiD		Volcanics, IntDol	iD, mSil, iSer.	56.10	56.90	317708	0.80	0.05		2.0							
					56.1-56.75 relatively massive pale buff very fine grained, Very few grey and black siliceous vnlts. 1-3mm irregular. 56.75-57.9 Classic iD iPy, iSer. Few irregular Q/Ca vnlts to 5cm. Numerous clear grey qtz vnlts in hariline fractures appear to control CSE Py.	56.90	57.90	317709	1.00	2.40	5.0				0.3				i
57.90	62.35	5Ca		Volcanics	mD grades quickly to wD. wCBX relatively massive,	57.90	58.50	317711	0.60	0.01									
					competent.	61.85	62.35	317712	0.50	0.01									
62.35	64.70	5CamD	QSTRZ	Volcanics, ModDol	Weak qstrz mD w-mCBX w-mK (p) Q/Ca vnlts are pure	62.35	63.50	317713	1.15	0.06	0.5	0.3							
					white. Tr vfgr Py. 80TCA.	63.50	64.70	317714	1.20	0.01	1.5	0.3							
64.70	70.50	5Ca		Volcanics	Pale-medium green wD wCBX. Few shears with mD pyrite enrichment/1-2cm. No PDO.	64.70	65.40	317715	0.70	0.01									
70.50	71.00	5CamD		Volcanics, ModDol	Pale-medium green wD wCBX iK (p). Few shears with mD pyrite enrichment/1-2cm. No PDO.														
71.00	72.60	5CaiD		Volcanics, IntDol	Pink/Buff vfgr iCBX CSE Py Few irregular Q/Ca vnlts	71.00	71.80	317716	0.80	0.01	1.0								
						71.80	72.60	317717	0.80	0.01	1.0								
72.60	76.75	5CamD		Volcanics, ModDol	72.6-73.3 mD spotty iK(p) few grains of CSE Py diss 76.55 2cm band massive fgr Py.	72.60	73.30	317718	0.70	0.01		0.3	0.3						
76.75	77.25	10b		Lamprophyre Dyke	45TCA. 7% Ca amygdules to 4mm and 3% black biotite phenos to 3mm in dark brownish greenish matrix. Muddy Py selvages to 5mm. Non-magnetic														
77.25	88.30	5Ca		Volcanics	wD Pale green fine grained w-mSil, wCBX														
88.30	88.40	5CamD		Volcanics, ModDol	mD halo to iD.Pale green fine grained w-mSil, wCBX No Py.														

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
88.40	88.70	5CaiD		Volcanics, IntDol	Classic pink-buff fine grained mCBX mSil, Few irregular Q/Ca vnlts	87.80	88.40	317719	0.60	0.01		0.3							
88.70	89.00	QSTR	QSTR	Quartz Stringer	UC45TCA, LC65TCA White qTZ/CA hosts 2mm-3cm angular fresh to well digested iD5Ca frags. White clay n fracs. Few clots of Ser to 2cm near LC.	88.40	88.70	317721	0.30	1.03	5.0	4.0							
						88.70	89.00	317722	0.30	0.05		1.0							
89.00	91.00	5CaiD		Volcanics, IntDol	Classic pink-brwon fgr 5CaiD. m-iCBX, Numerous Q.Ca vnlts. Irregular. Local white clay on fracs.	89.00	90.00	317723	1.00	0.29	3.0	5.0	5.0						
						90.00	91.00	317724	1.00	0.02	3.0	5.0	5.0						
91.00	99.30	5Ca		Volcanics	wD w-m CBX wK(p)	91.00	92.00	317725	1.00	0.01									
99.30	100.80	5CaiD		Volcanics, IntDol	Classic pink-buff vfgr wCBX local mCBX. Few irregular Q/Ca vnlts to 8mm	99.30	100.20	317726	0.90	1.53									
						100.20	100.80	317727	0.60	0.13	1.0	1.0							
100.80	101.90	QSTRZ	QSTRZ	Quartz Stringer Zone	10% white Q.Ca vnlts 2-5mm @75TCA in classic 5CaiD, iCBX.	100.80	101.90	317728	1.10	0.47	3.0	5.0							
101.90	102.40	5CaiD		Volcanics, IntDol	Classic mCBX. vwPy.	101.90	102.50	317729	0.60	0.01	0.3	1.0							
102.40	108.80	5Ca		Volcanics	Light to medium green wD. Few fracs with K and Talc.	102.50	103.50	317731	1.00	0.01									
108.80	113.15	5CamiD		Volcanics, Mod-IntDol	miD vwSer grades to mSer@111.9, medium grey buff, Few irregular 2-10 mm Q/Ca vnlts @90TCA	108.80	109.80	317732	1.00	0.01	0.3	1.0							w
						109.80	110.80	317733	1.00	0.01	0.3	1.0							w
						110.80	111.90	317734	1.10	0.01	0.3	1.0							w
						111.90	113.15	317735	1.25	0.01	0.3	1.0							w
113.15	115.55	5CaiD		Volcanics, IntDol	Medium grey buff mCBX to local iCBX. iSer, 2-5% 2-15mm Q/CA vnlts@90TCA.	113.15	114.20	317736	1.05	0.01	1.0	2.0							i
						114.20	115.55	317737	1.35	0.14	2.0	3.0		0.5	0.3	0.3	1.0		i
115.55	116.65	5CamiD		Volcanics, Mod-IntDol	miD, mSer. Local black siliceous 1-3mm irregular qvnlts. No PDO.	115.55	116.65	317738	1.10	0.01		0.3							i
116.65	118.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Classic iD iSer hosts 17% 1-6cm white Q/Ca vnlts @90TCA. Few well digested contorted iD frags in vnlts. Few 2-3mm vugs.	116.65	117.40	317739	0.75	0.08	5.0	5.0		0.5	0.5				i
						117.40	118.20	317741	0.80	0.95	5.0	5.0		0.5	0.5				i
118.20	119.70	5CamiD		Volcanics, Mod-IntDol	Mostly mD fine grained light-medium grey, 119.1-119.6 Massive muddy Py patches. vfgr. iD iCBX. 1@1cm sheared BX'd Q/Ca vnlt @80TCA with muddy Py.	118.20	119.70	317742	1.50	0.01			1.0						
119.70	120.70	5Ca		Volcanics	wD	119.70	121.00	317743	1.30	0.01									
120.70	120.90	5CamiD		Volcanics, Mod-IntDol	miD Sheared/BX'd Q/Ca vnlt in iD halo.														
120.90	122.30	5Ca		Volcanics	wD	121.00	122.30	317744	1.30	0.01									
122.30	124.30	5CaiD		Volcanics, IntDol	Classic iCBX, pink-buff. No PDO of blackish to grey 1mm Sil filled fracs.	122.30	123.30	317745	1.00	0.05		2.0	3.0						
						123.30	124.30	317746	1.00	0.07		2.0	3.0						
124.30	139.30	5Ca		Volcanics	Medium to dark green wD Few irregular Q/Ca vnlts +/- white clay+/- Chl.	124.30	125.30	317747	1.00	0.01									
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-10

Collar Details			Purpose:	Started	October 30, 2005
Longitude	461512.00	E	Test Somerville Extension at 461512 E	Finished	November 2, 2005
Latitude	6568047.00	N		Logged By:	M. Glover 0
Elevation	971.00	m ASL		Tests	Depth / Az / Dip
End of Hole	222.00	m			0.0 / 360.0 / -45.0
Azimuth	360.00				112.2 / 358.0 / -41.0
Dip	-45.00				221.9 / 2.0 / -40.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	12.20	OB		Overburden	Casing through Overburden														
12.20	16.20	5Dd		Graphitic Argillite	iGf mudstones and siltsones, Very blocky core. Weak fol'n/PDO to clvg plane fissility @30-50TCA.														
16.20	18.80	7c		Listwanite	iSil, moderately laminated/banded pale to medium and dark grey. 17.2-18.0 is 20% 1-2mm vugs and minor euhedral Py to 8mm.	16.60	17.70	317748	1.10	0.01	0.5	0.3							
						17.70	18.80	317749	1.10	0.01	1.5	0.3							
18.80	19.40	QSTRZ	QSTRZ	Quartz Stringer Zone	70% low angle (30TCA) mfrac'd milky white quartz vnlts to 10cm in mD 5Ca with muddy and minor fgr diss Py.	18.80	19.40	317751	0.60	0.03		0.5	0.5						
19.40	22.40	5CamD		Volcanics, ModDol	Relatively homogenous massive fine grained pale to medium grey. Few irregular Ca vnlts to 2mm. wK (p)	19.40	20.90	317752	1.50	0.04		0.3	0.3						
						20.90	22.40	317753	1.50	0.01		0.3	0.3						
22.40	22.90	5CaiDBX		Volcanics, IntDol BX'd	miD alt'n halo to wBX zone: 22.6-22.8 20% iSil iPy matrix supports angular iD frags. Sil "sweats" in surrounding wallrock. No PDO.	22.40	22.90	317754	0.50	0.01		5.0							
22.90	24.15	5CamD		Volcanics, ModDol	As above. wK (p) with minor iK seams and fracs.	22.90	24.15	317755	1.25	0.01									
24.15	24.70	QV	QV	Quartz Vein	Generally milky white QV with 20% angular iD fragments in upper 15cm. Possibly 70TCA but very blocky core and irregular contacts.	24.15	24.70	317756	0.55	0.01				0.3		0.3			
24.70	27.10	5CamD		Volcanics, ModDol	Pale-medium grey buff/grey/green mCBX. Relatively massive fine grained.	24.70	26.00	317757	1.30	0.01									
						26.00	27.10	317758	1.10	0.01									
27.10	27.40	QV	QV	Quartz Vein	Generally milky white, mfrac'd. 25TCA.	27.10	27.40	317759	0.30	0.01		0.3							
27.40	28.50	5CamiD		Volcanics, Mod-IntDol	mfrac'd patchy m-iD. Buff. mK. wCBX.	27.40	28.50	317761	1.10	0.01									
28.50	29.00	QSTR	QSTR	Quartz Stringer	Weakly fractured milky white Quartz stringer @15TCA	28.50	29.00	317762	0.50	0.01									
29.00	35.20	5CamD		Volcanics, ModDol	Blocky miK (p) wm-mD. Buff/medium grey CamD. Massive. Minor Ser at stringer contacts.	29.00	30.20	317763	1.20	0.01									
						30.20	31.50	317764	1.30	0.01									
						31.50	32.80	317765	1.30	0.01									
						32.80	34.00	317766	1.20	0.01									
						34.00	35.20	317767	1.20	0.02									
35.20	36.80	5CaiDBX		Volcanics, IntDol BX'd	viCBX'd 5Ca miD-mD. Angular fragments in 10-20% vfgr Gf/Sil matirx.	35.20	36.80	317768	1.60	0.01		1.0							
36.80	38.70	5CamiD		Volcanics, Mod-IntDol	miCBX, miD. Very blocky. Few irregular Q/Ca vnlts.	36.80	37.80	317769	1.00	0.01		0.5							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					Buff/grey.	37.80	38.70	317771	0.90	0.05		0.5							
38.70	39.80	5CaiD		Volcanics, IntDol	Classic iD, miCBX, 2@5mm white-pale grey qvnlts @45TCA.	38.70	39.80	317772	1.10	0.49		3.0							
39.80	41.00	QSTRZ	QSTRZ	Quartz Stringer Zone	15% weak Qvnlts in classic iD 5Ca @ 40-70TCA.	39.80	41.00	317773	1.20	0.61		5.0							
41.00	45.40	5CaiD		Volcanics, IntDol	iCBX buff-pink fine grained siliceous. 15% fine weak Qvnlts/floods. No PDO.	41.00	42.50	317774	1.50	0.03		1.5	1.5						
						42.50	44.00	317775	1.50	0.02		1.5	1.5						
						44.00	45.40	317776	1.40	0.02		1.5	1.5						
45.40	47.10	5CaiD	SHR	Volcanics, IntDol	Weakly shear banded. Buff with grey muddy Py bands.	45.40	46.25	317777	0.85	0.03		3.0	30.0						
						46.25	47.10	317778	0.85	0.00		3.0	30.0						
47.10	49.30	5CaiD		Volcanics, IntDol	Classic iD, viCBX No PDO.	47.10	48.20	317779	1.10	0.01		2.0	2.0						
						48.20	49.30	317781	1.10	0.02		2.0	2.0						
49.30	52.55	5CaiD	SHR	Volcanics, IntDol	Moderately shear laminated/banded on 5-50mm scale with imuddy Py and sil sweats.	49.30	50.65	317782	1.35	0.08		3.0	10.0						
						50.65	51.60	317783	0.95	0.07		3.0	10.0						
52.55	52.65	FLT	FLT	Fault	Minor iK gouge @ 90TCA.	51.60	52.55	317784	0.95	0.11		3.0	10.0						
52.65	55.75	5CamiD		Volcanics, Mod-IntDol	Slightly less alt'd wCBX except proximal to QV becomes viD. iPy, iSil	52.55	53.60	317785	1.05	0.07			1.0						
						53.60	54.70	317786	1.10	0.01									
						54.70	55.75	317787	1.05	0.11	10.0								
55.75	56.30	QV	QV	Quartz Vein	Milky white weakly fractured with 5% sub angular iD inclusions. 40TCA.	55.75	56.30	317788	0.55	0.06		0.3							
56.30	56.50	5CaiD		Volcanics, IntDol	As per contact zone above. iCSE Py.	56.30	56.50	317789	0.20	1.74	15.0								
56.50	56.90	10a		Mafic Dyke	Medium grained equigranular lamp dyke. Discrete contacts @ 45TCA.	56.50	56.90	317791	0.40	0.01									
56.90	60.05	5Ca		Volcanics	Pale green/buff. Fine grained massive. Local wCBX.	56.90	58.50	317792	1.60	0.42									
						58.50	60.05	317793	1.55	0.11									
60.05	60.80	5CamD		Volcanics, ModDol	Buff grey mCBX miFrac'd. Few irregular Q/Ca vnlts.	60.05	60.80	317794	0.75	0.78		2.0	1.0						
60.80	61.10	QV	QV	Quartz Vein	Milky white weakly fractured @ 70TCA.	60.80	61.10	317795	0.30	0.06		0.5				0.3			
61.10	62.50	5CamD		Volcanics, ModDol	Alt'n halo to QV, as above.	61.10	62.50	317796	1.40	0.08		1.5							
62.50	76.00	5Ca		Volcanics	Massive, fine grained w to wmD 5Ca. Few irregular Q/Ca vnlts. Relatively unaltered.	62.50	63.20	317797	0.70	0.01		1.5							
					74.65-76 Weak qstrz with 5% qvnlts.	74.65	76.00	317798	1.35	0.01									
76.00	81.50	5CamD		Volcanics, ModDol	Generally buff moderately fractured fine grained with local mK to iK on slips @25TCA. Few irregular Q/Ca vnlts.	76.00	77.50	317799	1.50	0.01									
						77.50	79.00	317801	1.50	0.01									
						79.00	80.30	317802	1.30	0.05									
						80.30	81.50	317803	1.20	0.21		0.5							
81.50	82.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Increased D, Sil and CBX to mi with 20% irregular 1cm qvnlts @ 45-70TCA.	81.50	82.20	317804	0.70	0.11	15.0								
82.20	82.60	QV	QV	Quartz Vein	mFrac'd milky white QV. 3% irregular iD inclusions with vfgr Py. 70TCA.	82.20	82.60	317805	0.40	0.20		0.5							
82.60	83.00	5CamiD		Volcanics, Mod-IntDol	mCBX. CSE Py with late sil floods/weak vnlts.	82.60	83.00	317806	0.40	0.27	3.0								
83.00	83.20	5CaiD		Volcanics, IntDol	iPy. Medium grey fine grained Sil/Py.	83.00	83.20	317807	0.20	1.09	10.0		30.0						
83.20	87.70	5CamiD		Volcanics, Mod-IntDol	Yellow tinge to 5Ca miD. mCBX'd. No well defined fabric.	83.20	84.20	317808	1.00	0.22	3.0								
					Mod BX'n over 83.2-84.2 with angular Q/Ca filled fractures.	84.20	85.40	317809	1.20	0.01									

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					Minor Ser.	85.40	86.60	317811	1.20	0.01									
						86.60	87.70	317812	1.10	0.15			15.0						
87.70	87.95	QVBX	QVBX	Quartz Vein BX	vifrac'd qstr @65TCA with 25-20% Py matrix.	87.70	87.95	317813	0.25	0.88	3.0		30.0						
87.95	88.20	5CaiDBX		Volcanics, IntDol BX'd	iBX'd iPy dark grey/Buff fgr. 15% ifrac'd milky to grey 1-8mm qstrs @60-70TCA.	87.95	88.20	317814	0.25	1.21	20.0								
88.20	88.55	QV	QV	Quartz Vein	ifrac'd milky QV@ 80TCA. 10% chl'd wall rock inclusions	88.20	88.55	317815	0.35	0.45		0.5							
88.55	89.40	QSTRZ	QSTRZ	Quartz Stringer Zone	15% 1cm qvnlts @80TCA in 5CaiDiCBX.	88.55	89.40	317816	0.85	0.24		1.0							
89.40	92.00	5CamiD		Volcanics, Mod-IntDol	miD, mCBX buff homogenous except for CBX.	89.40	90.50	317817	1.10	0.24		1.0							
						90.50	92.00	317818	1.50	0.04		0.3							
92.00	94.80	5CamiD		Volcanics, Mod-IntDol	Weak shear zone. Muddy Py and bleaching give banded appearance. Few irregular Q/Ca vnlts to 3mm	92.00	93.40	317819	1.40	0.01			5.0						
						93.40	94.80	317821	1.40	0.02			15.0						
94.80	95.10	QSTRZ	QSTRZ	Quartz Stringer Zone	Weak qvnlt zone with 20% pale grey mm scale iFrac'd qvnlts in mK iD	94.80	95.10	317822	0.30	0.11			15.0						
95.10	96.25	5CamD		Volcanics, ModDol	Yellow buff vfgr wmCBX. Minor irregular qvnlts to 6mm.	95.10	96.25	317823	1.15	0.03		0.3							
96.25	113.35	5Ca		Volcanics	Relatively massive fine grained wD. Minor irregular Q/Ca vnlts, Local mD halos to iCBX/vnlts as noted. 99.0-99.5 miD halo to 10cm CBX. 100.85-101.05 mD halo to 2cm qvnlt @ 70TCA. iCBX	96.25	97.60	317824	1.35	0.01									
						97.60	99.00	317825	1.40	0.01									
						99.00	99.50	317826	0.50	0.01									
						99.50	100.85	317827	1.35	0.01									
						100.85	101.05	317828	0.20	1.78			5.0						
						101.05	102.45	317829	1.40	0.02									
						102.45	102.85	317831	0.40	0.04			0.3						
						102.85	104.00	317832	1.15	0.01									
						112.20	113.35	317833	1.15	0.01									
113.35	117.70	5CamiD		Volcanics, Mod-IntDol	Buff, mCBX'd fine grained relatively massive. Few irregular Q/Ca vnlts @70-80TCA. 114.7-115.15 Sil flood with 15% pale grey qvnlts @80TCA. 116.55-117.7 Incr CBX and fine Q/Ca vnlts @80TCA to end of interval.	113.35	114.70	317834	1.35	0.07		0.3							
						114.70	115.15	317835	0.45	0.01									
						115.15	116.35	317836	1.20	0.01									
						116.35	117.70	317837	1.35	0.24	5.0								
117.70	119.00	QSTRZ	QSTRZ	Quartz Stringer Zone	25% generally milky white weakly fractured qstrs @80TCA in miCBX medium grey pyritic 5CaiD. 118.6-119 is remob'd polyphase qstrz with 30% imuddy Py matrix hosting angular qtz frags and 10mm iGf slip @ 80TCA.	117.70	119.00	317838	1.30	0.29	10.0								
119.00	120.05	5CamiD		Volcanics, Mod-IntDol	Few pale grey qvnlts @80-90TCA in iCBX, iPy, miD.	119.00	120.05	317839	1.05	0.28	5.0								
120.05	125.40	5Ca		Volcanics	w-mD massive fine grained homogenous pale to medium green. Few irregular Q/Ca vnlts.	120.05	121.60	317841	1.55	0.01									
						121.60	122.80	317842	1.20	0.01									
						122.80	124.20	317843	1.40	0.01									
						124.20	125.40	317844	1.20	0.01									
125.40	127.15	5CamD		Volcanics, ModDol	Increased degree of CBX'n over above interval and	125.40	126.30	317845	0.90	0.11									

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					possibly slight increase in D. End of interval is 10cm polyphase qvnlt @ 80TCA.	126.30	127.15	317846	0.85	0.02									
127.15	130.20	5Ca		Volcanics	Slightly bleached/ dolomitized massive fine grained non-CBX'd buff. Few distinct 103cm milky qvnlts @ 80TCA.	127.15	128.60	317847	1.45	0.01									
						128.60	130.20	317848	1.60	0.01									
130.20	130.50	QV	QV	Quartz Vein	Milky white bull QV @ 80TCA.	130.20	130.50	317849	0.30	0.01									
130.50	146.00	5Ca		Volcanics	Generally buff to pale medium grey very fine grained. Few irregular Q/Ca vnlts and alt'n zones as noted.	130.50	131.40	317851	0.90	0.08		0.3							
						131.40	132.30	317852	0.90	0.01									
					132.3-133.4 Slight increase in D and mCBX.	132.30	133.40	317853	1.10	0.06									
					135.3-136.75 Weak qstrz. 15% 6mm-8cm milky Q and Q/Ca vnlts/strs.	133.40	134.30	317854	0.90	0.01									
						134.30	135.30	317855	1.00	0.01		0.3							
					141.7-142.8 Slight increase in D and minor qvnlts.	135.30	136.75	317856	1.45	0.02									
					142.8-143.6 Weak qstrz with 30% milky white weakly frac'd qvnlts.	136.75	138.25	317857	1.50	0.01									
						138.25	139.40	317858	1.15	0.40									
					143.6-144.8 Few irregular Q/Ca vnlts. Slight increase in D and mSer, mSil.	139.40	140.60	317859	1.20	0.10		0.3							
						140.60	141.70	317861	1.10	0.01		0.3							
						141.70	142.80	317862	1.10	0.04		0.3							
						142.80	143.60	317863	0.80	0.63		1.0							
						143.60	144.80	317864	1.20	0.09		3.0							m
						144.80	146.00	317865	1.20	0.11		5.0							
146.00	161.25	5Ca		Volcanics	Massive fine grained medium green 5CawD. Few irregular Q/Ca vnlts to 3mm. Minor zones of w-mD: 151.8-152.0 wmD 153.5-154.1 wmD	146.00	147.40	317866	1.40	0.01									
						160.00	161.25	317867	1.25	0.01									
161.25	164.10	5CamiD		Volcanics, Mod-IntDol	Alteration halo to QV below.	161.25	162.15	317868	0.90	0.01									
					162.15-163.15 mD wCBX buff.	162.15	163.15	317869	1.00	0.09									
					163.15-164 miD 5% <6mm qvnlts @ 80TCA. w-mCBX.	163.15	164.10	317871	0.95	0.41	2.0								w
164.10	164.40	QV	QV	Quartz Vein	Milky white unfractured QV @80TCA. Minor stylolitic inclusions @ 5cm from HW contact. minor Ser.	164.10	164.40	317872	0.30	0.07	0.3								
164.40	164.85	5CaiD		Volcanics, IntDol	Classic buff pinkish with iCBX. 1@2cm qvnlt.	164.40	164.85	317873	0.45	0.33	3.0	2.0							
164.85	168.30	5CamD		Volcanics, ModDol	15% 1-2mm pink ankerite porphyroblasts in buff to medium grey matrix. Few mm scale Q/Ca vnlts @90TCA.	164.85	166.40	317874	1.55	0.01									
168.30	171.50	5Ca		Volcanics	Generally fine grained medium green massive homogenous with minor alt'n zone as noted: 168.9-169.0 mD halo to 5-8mm Carb vnlt @60TCA.														
171.50	174.00	5CamD		Volcanics, ModDol	Buff, wCBX. Few irregular Q/Ca vnlts.	171.50	173.00	317875	1.50	0.01		0.3							
						173.00	174.00	317876	1.00	0.01		0.3							
174.00	177.50	5Ca		Volcanics	Generally fine grained medium green massive homogenous. Few irregular Q/Ca vnlts. Weak incipient D alt'n along fracs.	174.00	175.20	317877	1.20	0.01									
						175.20	176.40	317878	1.20	0.01									
						176.40	177.50	317879	1.10	0.01									
177.50	180.90	5CamiD		Volcanics, Mod-IntDol	Grades w to m-iD quickly over 40cm then massive fine grained buff. No CBX to 179.45	177.50	178.50	317881	1.00	0.01		0.3							
						178.50	179.45	317882	0.95	0.01		0.3							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					179.45-180.9 mK mfrac'd mCBX.	179.45	180.90	317883	1.45	0.06			1.0						
180.90	183.20	QSTRZ	QSTRZ	Quartz Stringer Zone	Weak qstrz in miD.	180.90	182.10	317884	1.20	0.27		1.0							m
					180.9-182.1 10% 1-3cm milky white qvnlts @ 75 and 45 TCA in mD miCBX Ca. mSer in CBX with Py conc.	182.10	183.20	317885	1.10	0.94	2.0	3.0								
					182.1-183.2 30% irregular milky qvnlts. CSE in wallrock proximal to vnlts.														
183.20	184.00	5CamiD		Volcanics, Mod-IntDol	ifrac'd with buff alt'n around 30% fracs in grey iSil matrix.	183.20	184.00	317886	0.80	0.02		0.5							
184.00	186.30	5Ca		Volcanics	Generally fine grained medium green massive homogenous. Few irregular Q/Ca vnlts. Locally weak porphyroblastic texture with ankerite to 1-2mm.	184.00	185.20	317887	1.20	0.01									
						185.20	186.30	317888	1.10	0.01									
186.30	189.45	5CaiD		Volcanics, IntDol	Variably fractured and CBX'd but generally buff/grey with few qvnlts. Local vfgr mottled shear banding with muddy Py rich bands alternating with buff pink classic iD bands.	186.30	187.35	317889	1.05	0.73	5.0								
						187.35	188.40	317891	1.05	0.03									
						188.40	189.10	317892	0.70	0.05		1.0							
						189.10	189.45	317893	0.35	0.21		1.0	3.0						
189.45	191.30	QV	QV	Quartz Vein	Generally milky white weakly fractured. Minor concentration of SX at HW.	189.45	190.15	317894	0.70	0.11		4.0		0.3	0.3				
					190-190.15 is shear with 5Ca inclusions @75TCA. U@45, LC@80TCA.	190.15	191.30	317895	1.15	0.01									
191.30	191.80	5CaiD		Volcanics, IntDol	to 10% CSE Py in wCBX, iSil, wBX'd, classic 5CaiD.	191.30	191.80	317896	0.50	0.32	10.0								
191.80	192.50	QV	QV	Quartz Vein	Polyphase QV/QVBX. 70% milky white mfrac'd Qtz and 30% imuddy Py with angular Q frags.	191.80	192.50	317897	0.70	0.12			15.0						
192.50	193.75	5CaiD		Volcanics, IntDol	iCBX with 15% qvnlts to 7cm. Py in wallrock.	192.50	193.75	317898	1.25	0.74		5.0							
193.75	194.20	QSTRZ	QSTRZ	Quartz Stringer Zone	1 @ 25cm qstrs with 20% elongated iD frags parallel to contacts @70TCA + 1@20mm and 3@6mm grey qnnlts.	193.75	194.20	317899	0.45	0.17	10.0	1.0							
194.20	195.55	5CamiD		Volcanics, Mod-IntDol	Pale medium grey to buff with CBX. Massive. iSil.	194.20	195.55	317901	1.35	0.21		2.0							
195.55	197.90	5CamD		Volcanics, ModDol	Locally weakly ankerite porphyroblastic. f-mgr. massive.	195.55	197.15	317902	1.60	0.01									
					NoCBX. wK. Weak shear lamination over last 40cm,	197.15	197.90	317903	0.75	0.12			0.5						
197.90	198.35	5CaiD		Volcanics, IntDol	Classic buff pink miCBX.	197.90	198.35	317904	0.45	0.01		0.5							
198.35	198.85	5Ca		Volcanics	Massive fine grained medium green, Few irregular Q/Ca vnlts	198.35	198.85	317905	0.50	0.01									
198.85	200.25	5CamiD		Volcanics, Mod-IntDol	Mottled iD mCBX with darker grey muddy Py rich bands @ top 50cm. Few irregular Q/Ca vnlts @80TCA.	198.85	200.25	317906	1.40	0.19			1.0						
200.25	201.00	QSTRZ	QSTRZ	Quartz Stringer Zone	5CamiDBX	200.25	201.00	317907	0.75	1.26		5.0	25.0						
					UC marked by 15cm polyphase reBX'd qstr @ 80TCA with 1cm bands muddy Py then iD with 30% irregular disrupted white through medium grey qvnlts in imuddy Py matrix.														
201.00	202.30	5CamiD		Volcanics, Mod-IntDol	Buff-pale grey very fine grained. Very blocky core. 2% 1mm Ser/Sil fracture filling.	201.00	202.30	317908	1.30	0.35		0.3	0.3						

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202.30	203.00	QV	QV	Quartz Vein	w-m fractured generally milky white with 3-5% secondary grey quartz. UC@50TCA on Py slip over 4cm. Minor mK5Ca inclusions in HW zone.	202.30	203.00	317909	0.70	0.16			0.5						
203.00	204.10	5CamiD		Volcanics, Mod-IntDol	wCBX'd buff with minor sil floods.	203.00	204.10	317911	1.10	0.23	3.0								
204.10	222.00	5Ca		Volcanics	Generally massive fine grained medium green weakly fractured with few irregular Q/Ca vnlts and Chl whisps. Minor mD as noted as alt'n halos to weak vnlts or shears. 209.9-210.3 15 and 30mm qvnlts @75TCA with mD alt'n halo. 214.4-216 Very weak shear centered @ 215.6. Weak colour banding with buff/grey. Minor Q/Ca. 219.5-220.65 20% low angle Ca>Q vnlts. Minor muddy Py.	204.10	205.50	317912	1.40	0.08									
						209.70	210.30	317913	0.60	0.21			0.5						
						214.40	216.00	317914	1.60	0.06			0.3						
						219.30	220.65	317915	1.35	0.08									
EOH																			

Cusac Gold Mines Ltd.	Somerville System	Diamond Drill Hole Log	05SV-11

Collar Details			Purpose:	Started	November 2, 2005		
Longitude	461287.00	E	Test Somerville Extension at 461287 E	Finished	November 5, 2005		
Latitude	6568051.00	N		Logged By:	L. Hunt		0
Elevation	985.00	m ASL		Tests	Depth	Az	Dip
End of Hole	206.40	m			0.0	360.0	-45.0
Azimuth	360.00				63.4	4.0	-43.5
Dip	-45.00				206.4	5.0	-45.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	6.10	OB		Overburden	Casing through Overburden														
6.10	52.40	5Dd		Graphitic Argillite	Interbedded siltstones and mudstones. Locally well laminated with silty beds dominating in qty and size. Mudstones max to 1cm @ avg 10-25TCA. 6.1-17.7 Rel competent. 17.7-19.9 local 3-4cm gouge. Moderately to intensely broken core. 19.9-20.0 white cgr barren qstr 20.0-23.6 Rel competent 23.6-23.65 iK gouge 23.65-29.7 Moderately broken. few barren qvnlts. 29.7-29.73 iK gouge. 29.73-38.7 competent mudstones. 38.7-45.5 Numerous zones with chaotic clasts of siltier material in mudstones. Soft sed deformation. Boudinage. 45.5-45.53 ifrac'd mudstone. iK gouge. 45.53-52.4 Rel competent														
52.40	52.70	FLT	FLT	Fault	iK gouge, mudstones														
52.70	54.10	5Dd		Graphitic Argillite	Mudstones. iK (p)														
54.10	54.30	FLT	FLT	Fault	iK gouge, mudstones														
54.30	55.80	5Dd		Graphitic Argillite	Mudstones. iK (p)														
55.80	56.00	FLT	FLT	Fault	iK gouge, mudstones														
56.00	57.20	5Dd		Graphitic Argillite	Mudstones. iK (p)														
57.20	57.25	FLT	FLT	Fault	iK gouge, mudstones														
57.25	71.25	5Dd		Graphitic Argillite	Interbedded siltstones and mudstones. 5Dd becomes more siliceous approaching contact.														
71.25	71.50	5CaiDBX		Volcanics, IntDol BX'd	UC@90TCA. Discrete competent. No gouge.angular frags of iD5Ca and Q/Ca. Chaotic healed fracs filled with muddy Py. Yellow patchy alt'n of 5Ca.	71.25	72.40	317916	1.15	0.06		8.0	3.0						
71.50	74.10	5CaiD		Volcanics, IntDol	Pinkish buff very fine grained m-iCBX. Most fracs are Py	72.40	73.20	317917	0.80	0.05		8.0	3.0						

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
					filled. 72.5-72.8 yellow carb alt'n. Few irregular Q/Ca vnlts 2-3mm mK (p)	73.20	74.10	317918	0.90	0.07		2.0	3.0						
74.10	77.00	5CaiD		Volcanics, IntDol	Pinkish buff. Few fracs. Numerous irregular white/grey/	74.10	75.10	317919	1.00	0.09	2.0	2.0	3.0		0.3				m
					black silica vnlts (hairline-2mm) with incipient fgr Py	75.10	76.10	317921	1.00	0.20	3.0	8.0							w
					replacement. 74.3-74.8 1.5cm Q/Ca vnlt parallel TCA. 74.1-74.5 m-iSer 74.5-77.0 wSer.	76.10	77.00	317922	0.90	0.07									w
77.00	77.10	5CaiDBX		Volcanics, IntDol BX'd	Very discrete contacts @20TCA. iSer, iD frags in iPy filled mm scale fractures/matrix. Few sub-angular Q/Ca frags. 8mm Q/Ca vnlt at LC.	77.00	77.10	317923	0.10	0.09	1.0	2.0	3.0						i
77.10	82.70	5CaiD		Volcanics, IntDol	Classic iD5Ca. wSer. wCBX. Very fine grained. Few	77.10	78.10	317924	1.00	0.02	2.0	5.0	3.0						w
					irregular Q/Ca vnlts <1cm.	78.10	79.20	317925	1.10	0.03		15.0	1.0						w
					80.7-81.75 mgr wK (p). LessPy.	79.20	80.20	317926	1.00	0.04		20.0							w
					81.7-82.7 Classic iD 5Ca. vfgr. 2% irregular hairline to 2mm	80.20	80.70	317927	0.50	0.03		20.0							w
					Q/Ca vnlts. iPy.	80.70	81.70	317928	1.00	0.01		1.0	3.0						w
						81.70	82.70	317929	1.00	0.81	5.0	5.0							w
82.70	83.50	5Ca		Volcanics	Medium green medium grained. Distinct contacts. mK (f) no PDO.	82.70	83.50	317931	0.80	0.01									
83.50	87.60	5CaiD		Volcanics, IntDol	Classic pink-buff very fine grained. Few clear to grey silica	83.50	84.50	317932	1.00	0.01		1.0							
					vnlts. 1-2mm. Irregular. No PDO. Numerous mm scale Py	84.50	85.50	317933	1.00	0.02		12.0	5.0						
					filled fracs. No PDO.	85.50	86.60	317934	1.10	0.40	3.0	12.0							
					85.9 2cm white Q/Ca vnlt with Ser clots to 7mm	86.60	87.60	317935	1.00	0.04		12.0	5.0						
87.60	92.30	5Ca		Volcanics	mD grades @ 87.7 to wD. Very dark green fgr.	87.60	88.60	317936	1.00	0.01									
					87.35-87.45 Qstr. White cgr Qtz. NoSX. @60TCA.	88.60	89.80	317937	1.20	0.01									
					87.45-92.3 Dark green fine to medium grained. Few chl	89.80	91.00	317938	1.20	0.01									
					filled fracs. Few irregular Q/Ca vnlts Some fracs with Chl/+/- white clay.	91.00	92.30	317939	1.30	0.01									
92.30	92.80	QSTRZ	QSTRZ	Quartz Stringer Zone	Mottled mD-wD 5Ca with 20% irregular Q/Ca vnlts 2mm-2cm @45TCA. larger vnlts host Chl alt'd frags to 3mm.	92.30	92.80	317941	0.50	0.04	3.0	3.0							
92.80	93.95	5Ca		Volcanics	wD dark green Few irregular Q/Ca vnlts with chl and white K(f). No PDO.	92.80	93.90	317942	1.10	0.01									
93.95	94.02	QVBX	QVBX	Quartz Vein BX	UC @45TCA. LC vague. 7cm qvnlt that has been resheared/BX'd. Q/Ca appears cherty. Frags of iD5Ca and Qtz are often mostly digested. Post BX fracs are irregular whispy bands of iD.	93.90	94.60	317943	0.70	0.01		3.0	3.0						
94.02	94.60	5CaiD		Volcanics, IntDol	iD alt'n halo to QVBX														
94.60	97.00	5Ca		Volcanics	Dark green fine grained. Few hairline fracs with epidote. Very Few irregular mm scale Q/Ca vnlts.	96.30	97.30	317944	1.00	0.01		0.3							
97.00	97.30	5CamD		Volcanics, ModDol	mD No SX.	97.30	98.50	317945	1.20	0.01		1.0		1.0					

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
97.30	98.50	QSTRZ	QSTRZ	Quartz Stringer Zone	15% white 2mm to 5cm Q/Ca vnlts hosted in miD5Ca. miD is fine to medium grained relatively massive. Q/Ca @ 45-60TCA. Larger vnlts have well digested miD frags. Some vnlt selvages have cgr Ca/Chl xtals.														
98.50	102.10	5CamD		Volcanics, ModDol	Medium grey green fine grained grades to very fine grained @ 100.5. Few fracs with Chl+/- Q/Ca. NoSX in Q/Ca.	98.50	99.70	317946	1.20	0.01	0.3									
						99.70	100.90	317947	1.20	0.01	0.3									
						100.90	102.10	317948	1.20	0.05	0.3									
102.10	102.50	5CfBX	BX	Cherty Matrix BX	Cherty mD iSil matrix with rounded iD frags to 3cm. No Py. UC@85TCA. LC@40TCA.	102.10	102.50	317949	0.40	0.01	1.0	1.0								
102.50	103.00	5CamD		Volcanics, ModDol	mD	102.50	103.70	317977	1.20	0.01	0.3									
103.00	103.70	5CamD	FLT	Volcanics, ModDol	Rubbly core. iK gouge over 3cm @ UC @25TCA. Locally vuggy with white clay filled vugs to 3mm.															
103.70	105.00	5CamD		Volcanics, ModDol	Buff/grey, very fine grained.Relatively massive. Fracs with white K +/- Chl +/- Q/Ca. No PDO.	103.70	105.00	317951	1.30	0.01	0.3									
105.00	106.70	QSTRZ	QSTRZ	Quartz Stringer Zone	5% 5-40mm irregular, locally K alt'd, Q/Ca vnlts in w-mCBX mD. Few mD frags in qvnlts.	105.00	106.00	317952	1.00	0.01	0.3									
106.70	108.00	5Ca		Volcanics	w-mD, w local CBX. Few irregular Q/Ca vnlts/stockworks.	106.00	106.70	317953	0.70	0.01	0.3									
						106.70	108.00	317954	1.30	0.01	0.3									
108.00	108.50	5CaBX		Volcanics, BX'd	Shear hosted rounded w-mD frags in iCBX matrix.	108.00	108.50	317955	0.50	0.01	1.0									
108.50	117.10	5Ca		Volcanics	Medium green. Few Q/Ca vnlts in fracs. Few shear hosted Q/Ca vnlts.	108.50	110.00	317956	1.50	0.01	0.3									
						110.00	111.00	317957	1.00	0.01										
					110.45-110.6 Muddy Py bands to 1-2mm @ selvages of 2-3mm to 3cm Q/Ca vnlts. No PDO.	116.00	117.10	317958	1.10	0.02										
117.10	118.00	5CamiD		Volcanics, Mod-IntDol	Buff to slightly pinkish buff. Few irregular Q/Ca vnlts. Local iCBX.	117.10	118.00	317959	0.90	0.02			3.0							
118.00	118.50	5CaBX		Volcanics, BX'd	wD medium green matrix hosts sub-angular iD frags. Few irregular Q/Ca vnlts.	118.00	118.50	317961	0.50	0.01		0.3								
118.50	119.20	5Ca		Volcanics	w-mD medium green medium grained.	118.50	119.20	317962	0.70	0.01										
119.20	121.00	5CaiD		Volcanics, IntDol	Pinkish buff fine grained. Distinct banding with vfgr muddy Py filled fracs. Few irregular Q/Ca vnlts in shears. 90TCA.	119.20	121.00	317963	1.80	0.04			1.0							
121.00	131.50	5Ca		Volcanics	wD medium green. Few irregular Q/Ca vnlts/fracture fillings to 1cm. 129.0-131.0 Q/Ca filled shear parallel TCA. iCBX, Local iK on fracs.	121.00	121.70	317964	0.70	0.01										
131.50	133.40	5CamD		Volcanics, ModDol	Pale greenish grey. Medium grained. Few local iCBX. Few barren Q/Ca vnlts 5-10mm. No PDO, No SX 133.02-133.03 vuggy Q/Ca vnlt in shear. iK, muddy Py selvages.	132.40	133.40	317965	1.00	0.01										
133.40	133.65	5CaiD		Volcanics, IntDol	Classic viPy. 1@15mm Q/Ca vnlt @45TCA. No SX.	133.40	134.00	317966	0.60	0.02		40.0	10.0							
133.65	133.70	5CfBX		Cherty Matrix BX	Grey chalcedonic/pyritic matrix hosts white sub-angular Q/Ca frags.															

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
133.70	133.80	5CaiD		Volcanics, IntDol	Classic. Distinct parallel Py filled sigmoidal fracs . 45-60TCA.	134.00	135.25	317967	1.25	0.01									
133.80	133.90	QSTR		Quartz Stringer	White Q/Ca. Few muddy Py filled tension gashes/fracs. Few well digested 5CaiD fragments.														
133.90	134.00	5CamD		Volcanics, ModDol	NoSX. Very fine grained. Relatively massive.														
134.00	136.50	5CamiD		Volcanics, Mod-IntDol	Relatively massive, buff-pinkish. WCBX locally.	135.25	136.50	317968	1.25	0.01									
136.50	136.65	5CfBX	BX	Cherty Matrix BX	Pale grey chalcedonic matrix hosts m-iD frags. Few irregular Q/Ca vnlts, locally vuggy.	136.50	136.65	317969	0.15	0.29	20.0	1.0							
136.65	138.50	5CamD		Volcanics, ModDol	mD. Relatively massive. Few irregular Chl filled hairline to 2mm fracs. No PDO.	136.65	137.65	317971	1.00	0.01		0.3							
						137.65	138.50	317972	0.85	0.01		0.3							
138.50	138.80	5CamiD		Volcanics, Mod-IntDol	miD with 10% 5mm to 7cm pale green cherty breccia veinlets. No PDO. 1-8mm frags of iD and few white Qtz.	138.50	139.70	317973	1.20	0.02	1.0	2.0							
138.80	138.90	5CfBX	BX	Cherty Matrix BX	Black siliceous pyritic matrix hosts irregular iD5Ca fragments. CSE Py with BX.														
138.90	139.15	5CamiD		Volcanics, Mod-IntDol	miD with 10% 5mm to 7cm pale green cherty breccia veinlets. No PDO. 1-8mm frags of iD and few white Qtz.														
139.15	139.20	5CfBX	BX	Cherty Matrix BX	Black siliceous pyritic matrix hosts irregular iD5Ca fragments. CSE Py with BX.														
139.20	139.70	5CamiD		Volcanics, Mod-IntDol	miD with 10% 5mm to 7cm pale green cherty breccia veinlets. No PDO. 1-8mm frags of iD and few white Qtz.														
139.70	142.70	5CamiD	QSTRZ	Volcanics, Mod-IntDol	10% 3-10mm white Q/Ca vnlts, often K alt'd in 5Ca miD. 7-10cm iD halos to vnlts. Local iK gouge. Few late silica vnlts. No SX. Ser on vnlt selvages.	139.70	140.70	317974	1.00	0.07	0.3	3.0	3.0						
						140.70	141.70	317975	1.00	0.01	0.3	3.0	3.0						
						141.70	142.70	317977	1.00	0.01	0.3	3.0	3.0						
142.70	144.00	5CamiD		Volcanics, Mod-IntDol	Relatively massive fine grained pink buff. Very few irregular mm scale Q/Ca vnlts.No PDO.	142.70	144.00	317978	1.30	0.01	1.0								
144.00	145.95	5CaBX		Volcanics, BX'd	80% rounded m-iD frags in 80% iCBX matrix.	144.00	145.00	317979	1.00	0.01	1.0								
						145.00	145.95	317981	0.95	0.01	1.0								
145.95	147.90	5CamiD		Volcanics, Mod-IntDol	Buff-grey. Few Chl +/- silica filled fracs. No PDO. Very few barren Q/Ca vnlts. 1-4cm with few well digested 5Ca fagments.	145.95	146.90	317982	0.95	0.01	0.3								
						146.90	147.90	317983	1.00	0.01	0.3								
147.90	148.30	5CaBX		Volcanics, BX'd	50/50 rounded m-iD frags in iCBX matrix.	147.90	148.65	317984	0.75	0.01		0.3							
148.30	148.65	5CamiD		Volcanics, Mod-IntDol	Buff-grey. Few Chl +/- silica filled fracs. No PDO. Very few barren Q/Ca vnlts. 1-4cm with few well digested 5Ca fagments.														
148.65	148.95	5CaiD		Volcanics, IntDol	Classic. iCBX. Acicular sulphide aspy.	148.65	148.95	317985	0.30	1.54		10.0					2.0		
148.95	150.60	5CamiD		Volcanics, Mod-IntDol	mCBX. Buff.	148.95	149.95	317986	1.00	0.02	0.3	0.3							
						149.95	150.95	317987	1.00	0.01	0.3	0.3							
150.60	152.05	5CamiD	QSTRZ	Volcanics, Mod-IntDol	10% 7-30mm white Q/Ca vnlts with K alt'd selvages and well digested iD fragments in m-iCBX m-iD matrix wK(p).	150.95	152.05	317988	1.10	0.02	0.3	0.3							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
152.05	163.90	5Ca		Volcanics	152.05-157.7 w-mD pale green wCBX. Few irregular Q/Ca vnlts on hairline to 1mm scale. No PDO. 157.7-162.15 wD medium green. Few irregular Q/Ca vnlts +/- Chl over 1cm. 162.15-163.9 w-mD as above.	152.05	153.00	317989	0.95	0.02									
163.90	164.00	FLT	FLT	Fault	iK buff grey gouge.	163.90	164.00	317991	0.10	0.01									
164.00	165.50	5CaiD		Volcanics, IntDol	Buff with slight pinkish tinge. Banded apperance from Q/Ca with muddy Py selvages and iD with muddy Py filled fracs @ weak PDO of 45.wCBX. Few late clear to grey Sil vnlts. Very discontinuous/boudinaged.	164.00	165.50	317992	1.50	0.03		5.0	4.0						
165.50	168.60	5Ca		Volcanics	w-mD Medium green. wCBX.	165.50	167.05	317993	1.55	0.01		0.3							
						167.05	168.60	317994	1.55	0.01		0.3							
168.60	170.00	5CamiD		Volcanics, Mod-IntDol	Medium buff, local pale yellow hue.	168.60	170.00	317995	1.40	0.01		1.0	2.0						
170.00	170.10	QSTR		Quartz Stringer	White with few well digested mD fragments. No SX. No PDO.	170.00	171.60	317996	1.60	0.01		1.0	2.0						
170.10	171.60	5CamiD		Volcanics, Mod-IntDol	Buff. Few irregular 1-20mm Q/Ca vnlts. Local patchy Carb alt'n.														
171.60	173.00	5CamiD	5CaBX	Volcanics, Mod-IntDol	miD, iCBX. Locally 5CaBX from iCBX.	171.60	173.00	317997	1.40	0.01		0.3							
173.00	174.30	5CamD		Volcanics, ModDol	mD. Yellow alt'n. fine grained. Few irregular barren 1-2cm Q/Ca vnlts. No SX. No PDO.	173.00	174.30	317998	1.30	0.01									
174.30	175.60	5CamD		Volcanics, ModDol	Yellow mD. Local m-iCBX. Few pale green cherty vnlts. No PDO.	174.30	175.60	317999	1.30	0.01	0.3								
175.60	176.20	5CaiD		Volcanics, IntDol	Pinkish brown vfgr iCBX. Few irregular Q/Ca vnlts. No PDO. m-iSer. Distinct UC on iPy shear @45TCA.	175.60	176.20	44251	0.60	0.03		5.0	5.0						m
176.20	177.10	5CamiD		Volcanics, Mod-IntDol	miD, mCBX, mSer.	176.20	177.10	44252	0.90	0.01		0.3							i
177.10	181.70	5CamD		Volcanics, ModDol	mD, sCBX, mSer.	177.10	177.70	44253	0.60	0.07		0.3							m
					178.45-181.7 w to no CBX. Local porphyroblasts of 1mm carbonate.	177.70	178.45	44254	0.75	0.01		0.3							m
						178.45	180.15	44255	1.70	0.01		0.3							m
						180.15	181.70	44256	1.55	0.01									m
181.70	183.50	5CaiD	QSTRZ	Volcanics, IntDol	15% white Q/Ca vnlts with well digested iD fragments in classic iD. No PDO. wSer.	181.70	182.70	44257	1.00	0.01		1.0	2.0						w
183.50	183.70	QSTR		Quartz Stringer	White qstr with acicular mafics. K(f).	182.70	183.70	44258	1.00	0.01		1.0	2.0						w
183.70	185.00	5CaiD		Volcanics, IntDol	Classic vfgr pinkish buff. 184.5-185.0 Medium grained mD with fracture controlled iD.	183.70	185.00	44259	1.30	0.01	2.0	5.0	3.0						
185.00	185.90	5CamD		Volcanics, ModDol	Medium grained, mSer.	185.00	186.10	44261	1.10	0.01									m
185.90	187.70	5CaiD		Volcanics, IntDol	iCBX, wSer. Locally pitted core surface. Ser in patches. clots and selvages. 187.38-187.4 iK alt'd Q/Ca vnlt. Vuggy.	186.10	187.70	44262	1.60	0.05	0.5	2.0	2.0						w
187.70	189.30	5CamD		Volcanics, ModDol	iCBX, yellow. Few irregular Q/Ca vnlts. No PDO.	187.70	189.30	44263	1.60	0.06		1.0	5.0						
189.30	189.50	QSTR		Quartz Stringer	1@5cm Q/Ca vnlt at top of interval and 15cm (combined) of Q/Ca vnlt fragments and irregular Q/Ca vnlts + 1.5cm band muddy Py.in mD mSer matrix.	189.30	189.50	44264	0.20	0.03			2.0						m

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
189.50	192.10	5CamiD		Volcanics, Mod-IntDol	iCBX. Few irregular Q/Ca vnlts mm to 3cm. NoSX in Q/Ca.	189.50	190.40	44265	0.90	0.12	0.5	5.0	3.0						
						190.40	191.30	44266	0.90	0.01		0.3							
						191.30	192.10	44267	0.80	0.01		0.3							
192.10	195.15	5CamD		Volcanics, ModDol	wCBX, wK (p)	192.10	193.60	44268	1.50	0.01		0.3							
					193.85-194.0 Irregular Q/Ca vnlt with very few muddy Py	193.60	195.15	44269	1.55	0.01									
195.15	200.40	5Ca		Volcanics	mostly wD medium to dark green. Few irregular Q/Ca vnlts.	195.15	196.50	44271	1.35	0.01									
					NoSX, No PDO. w to local mCBX.	196.50	197.80	44272	1.30	0.01									
					197.95 7mm irregular Q/Ca vnlt with muddy Py on fracs.	197.80	199.10	44273	1.30	0.01									
200.40	200.60	FLT	FLT	Fault	iK gouge.	199.10	200.60	44274	1.50	0.01									
200.60	201.00	5CamD		Volcanics, ModDol	mD. iK (p) for top 15cm No SX. pale buff	200.60	201.60	44275	1.00	0.01		3.0	4.0						
					200.6-200.61 1cm irregular Q/Ca vnlt with fgr Py.														
201.00	201.60	5CaiD		Volcanics, IntDol	Classic mCBX Few irregular Q/Ca vnlts with muddy Py selvages. Locally vuggy.														
201.60	203.65	5CamD		Volcanics, ModDol	Medium buff with yellow hue. Very fine grained. wCBX,	201.60	202.60	45367	1.00	0.01		1.0	1.0						
					Few irregular Q/Ca vnlts 1@1cm @ 202.6 with mgr Py and muddy Py assoc with fracs and clots of white clay.	202.60	203.65	45368	1.05	0.01									
203.65	205.40	5Ca		Volcanics	wD wK (p) Few irregular Q/Ca vnlts. No SX.	203.65	204.40	45369	0.75	0.01									
205.40	206.20	5CamD		Volcanics, ModDol	mD very fine grained. 2 x 1cm shears with Q/Ca vnlts and	204.40	205.40	45371	1.00	0.01									
					muddy Py @90 TCA. iCBX.	205.40	206.10	45372	0.70	0.02			1.0						
206.20	206.30	FLT	FLT	Fault	iK Gouge.	206.10	206.40	45373	0.30	0.01									
206.30	206.40	5Ca		Volcanics	wD														
EOH																			

Cusac Gold Mines Ltd.	Porcupine East	Diamond Drill Hole Log	05PE-01

Collar Details			Purpose:	Started	August 1, 2005		
Longitude	462877.61	E	Test Porcupine East 140m E along strike from 82M-21.	Finished	August 4, 2005		
Latitude	6567381.93	N		Logged By:	M. Glover		0
Elevation	924.47	m ASL		Tests	Depth	Az	Dip
End of Hole	181.40	m			0.0	360.0	-45.0
Azimuth	360.00				89.9	2.0	-50.0
Dip	-45.00				181.4	3.0	-48.0

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%) Cgr	Py (%) FgrDiss	Py (%) Frac/Muddy	Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
0.00	56.40	OB		Overburden	Casing through Overburden														
56.40	62.10	5Ca		Volcanics	Massive fine grained medium green with few contorted irregular mm scale Ca vnlts														
62.10	62.30	FLT	FLT	Fault	iK gouge. No angles.														
62.30	63.30	5CamD		Volcanics, ModDol	mD iFrac'd														
63.30	64.10	5CaiD		Volcanics, IntDol	iD halo to 6mm qvnlt @ 63.8@70TCA.	63.30	64.10	45149	0.80	1.55	2.0						?		
64.10	67.20	5CamD		Volcanics, ModDol	mD iFrac'd. Fgr sugary texture														
67.20	87.35	5Ca		Volcanics	wD miFrac'd medium green non-magnetic. Irregular Chl/Carb rich zones may represent flow contacts.														
87.35	88.65	5CaiD		Volcanics, IntDol	mD buff with iD buff pink alt'n halos to 5cm qvnlt @ 87.7 and carb frac zone @ 86.4 over 5cm. 65-70TCA.	87.35	88.65	45151	1.30	0.06		0.3	0.3						
88.65	89.25	5Ca		Volcanics	wD 5Ca. wK (p) w Chl. 3cm qvnlt with no alt'n.	88.65	89.40	45152	0.75	0.01									
89.25	89.40	5CaiD		Volcanics, IntDol	iD halo to 6mm polyphase creamy carb/milky quartz vnlt @ 75TCA. Muddy Py in wallrock.														
89.40	94.20	5Ca		Volcanics	wD massive very fine grained medium to dark green with very few irregular milky whiteQ/Ca vnlts to 8mm @ 60-80TCA														
94.20	94.60	5CaiD	QSTR	Volcanics, IntDol	iD halo to 10cm TW milky qstr @60TCA.	94.20	94.60	45153	0.40	1.30	5.0	5.0							
94.60	95.30	5Ca		Volcanics	wD 5Ca as above	94.60	95.30	45154	0.70	0.02									
95.30	98.25	5CaiD		Volcanics, IntDol	Intensely dolomitized pyritized volcanics. Fine grained. 3cm milky white qvnlt@95.9	95.30	96.35	45155	1.05	3.17		5.0							
						96.35	97.75	45156	1.40	1.37		5.0							
						97.75	98.25	45157	0.50	3.67		1.0							
98.25	106.70	5Ca		Volcanics	wD massive fine grained dark green relatively unaltered basalts. Minor milky white Q/Ca strs locally.														
106.70	109.50	5CamD		Volcanics, ModDol	mD buff fine grained with 2@5cm and 1@12cm TW milky Q/CA vnlts/strs.	106.70	108.20	45158	1.50	0.03									
						108.20	109.50	45159	1.30	0.16									
109.50	124.35	5Ca		Volcanics	Fine grained massive medium green with irregular Chl whisps/clots. wD mfrac'd.														
124.35	126.55	QSTRZ	QSTRZ	Quartz Stringer Zone	2@8-10cm TW milky white qstrs with irregular non-parallel contacts in mD5Ca. Minor diss fgr Py.	124.35	125.50	45161	1.15	0.24		0.5							
						125.50	126.55	45162	1.05	0.57		0.5							

Depth From	To (m)	Lith. Code	Struc	Lithology	Description	From (m)	To (m)	Sample #	Width (m)	AU g/tonne	Py (%)			Cpy (%)	Sph (%)	Tet (%)	Aspy (%)	VG Occ	Alt'n Ser
											Cgr	FgrDiss	Frac/Muddy						
126.55	140.00	5Ca		Volcanics	Fine grained medium green. Weak contorted fabric with Chl whisps. Few irregular Q/Ca vnlts. wD. Possible selvages locally.														
140.00	141.70	5CaiD		Volcanics, IntDol	iD alt'n zone with muddy Py. 5% Ca vnlts/frac filling.	140.00	140.80	45163	0.80	0.03			1.0						
						140.80	141.70	45164	0.90	0.03			1.0						
141.70	154.95	5Ca		Volcanics	wD fgr. Dark green. Local jasper lenses/pods @ pillow selvages. Few irregular Q/Ca vnlts to 6mm.														
154.95	155.40	5CaiD		Volcanics, IntDol	Buff vfgr classic iD halo to QV.	154.95	155.40	45165	0.45	0.26		1.0							
155.40	155.70	QV	QV	Quartz Vein	Polyphase mineralized QV @ 65TCA. Primarily milky white.	155.40	155.70	45166	0.30	13.25	8.0			0.3		0.3		1	
155.70	156.00	5CamiD		Volcanics, Mod-IntDol	miD alt'n halo to QV.	155.70	156.00	45168	0.30	1.80		1.0							
156.00	171.40	5Ca		Volcanics	wD fine grained massive to weakly fractured dark to medium green with few irregular Q/Ca vnlts locally.														
171.40	172.70	5CamD		Volcanics, ModDol	mD halo to qvnlt@ 172.7	171.40	172.70	45169	1.30	0.31									
172.70	172.85	QSTR	QSTR	Quartz Stringer	mFrac'd milky white qstr @ 45TCA. No sig SX	172.70	172.85	45171	0.15	0.02									
172.85	173.45	5CamD		Volcanics, ModDol	mD alt'n halo to qstr	172.85	173.45	45172	0.60	0.13									
173.45	181.40	5Ca		Volcanics	wD massive fine grained dark green. Few jasp frac filling to 4mm														
EOH																			