Technical Report and Summary Report on Exploration on the

# **Timginn Property**

Porcupine Mining Division Northeastern Ontario, Canada

## NTS

## 42A/06NE

for

### McLaren Resources Inc.

Suite 520-65 Queen St. West, Toronto, Ontario

Kenneth Guy, P.Geo. (Ontario) April, 2012

### **Consent re: Timginn Property**

To:	McLaren Resources Inc.
And:	The Ontario Securities Commission
And:	Toronto Stock Exchange
Re:	Technical Report of Kenneth Guy, P Geo., dated April, 28, 2012 entitled "Technical Report and Summary Report on Exploration on the Timginn Property Porcupine Mining Division, Northeastern Ontario, Canada <b>NTS 42A/06NE</b> <b>McLaren Resources Inc.,</b> Suite 520-65 Queen St. West, Toronto, Ontario" (the Property Report)

The undersigned consents to the filing and use of the Property Report with the Security Regulators and with the TSX Venture Ex change (TSXV) and to the written disclosure of the Property Report and inclusion thereof in the annual information form of McLaren Resources Inc.

I affirm that, as of the date of this Consent and to the best of my knowledge, information and belief, the technical report contains all the scientific and technical information that is required to be disclosed to make the technical report not misleading.

Dated as of: April 28, 2012	SIONAL GEOSCIE
	KENNETH GUY PRACTISING MEMBER 0241
Per: Thenneth	Juy

Kenneth W. Guy, P Geo

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### Summary

The property consists of approximately 238 hectares within Tisdale and Mountjoy Townships within the limits of the city of Timmins, Ontario, Canada (Figure 1). The property is located immediately west of the McIntrye and north of the Hollinger/Moneta past producing gold mines.

Gold production from the Porcupine camp over the past 100 years is greater than 68 million ounces at a Camp average grade at about 0.2 ounces gold per ton. Ten different mines have produced in excess of 1.0 million ounces and account for 91% of the gold recovered in the Camp.

McLaren Resources Inc has an option to earn up to 60% of the vendors (Timginn Explorations Limited - a private corporation) right, title and interest in the Timginn property by spending \$4 million by April 30, 2016. McLaren Resources has completed their due diligence obligation of \$200,000 by completing a 1,388 m drill program. Seven drill holes tested the gold potential in the area around the historic Canadel Shaft. The details of this program are disclosed in a company press release dated February 13, 2012 and within section 9 of this report.

Property exploration has occurred along the north-eastern trending Central Formation of the Tisdale Assemblage. The Central formation hosts gold ore at both the past producing McIntyre and Hollinger mines. Previous authors have proposed a repetition of these ore bearing units on the Timginn property. (Figure 5)

The Timginn property is a past producing property. Current drilling successes and the existence of favourable geology and structure are positive indicators for finding additional mineralization and resources.

The Timginn project is favourably located adjoining and proximal to 2 of the largest historic gold mines in Canada, Hollinger Mine - 19.6 million oz. gold (Au) and McIntyre Mine - 10.8 million oz. Au. The project hosts an historic underground producer, Canadel Mine or Consolidated Gilles Lake Mine.

McLaren Resources completed a 7 hole, 1,387.8 metre, diamond drill program on the Timginn property. The drilling was targeting mineralization in the vicinity of the Canadel shaft historic workings. The best results from the drilling were quartz-carbonate veins with pyrite assaying up to 7.0 grams per tonne(gpt) Au over 7.4 metres(m) in hole MTG-11-04 and 24.20 gpt Au over 1.1 m in MTG-11-02.

All the holes encountered numerous quartz-carbonate veins with pyrite. The presence of the veins indicates the opportunity for additional gold zones on the property, both between the known mineralized structures and along strike from the known mineralization. It is recommended that further exploration be conducted on the Timginn property.

A diamond drill programme of 5 holes, 1,500 metres, with a budget of approximately \$200,000 is proposed to test the mineralized zones at depth and along strike.

This report was prepared by Kenneth Guy, P.Geo(Ont.), accordance with the requirements of NI 43-101 and Form 43-101F. The report was commissioned by McLaren Resources Inc to detail the available information on the property, report on a drilling programme undertaken by McLaren Resources in 2011 and to determine if the property merits further investigation.

## 1.0 Introduction and Terms of Reference

This report, written at the request of McLaren Resources Inc., provides a geological appraisal and summary of exploration programmes conducted on the Timginn Property. McLaren has commissioned the author to complete a NI 43-101 compliant technical report on the Timginn property, located in Tisdale Township, Ontario.

This property has been examined as recently as December 2011at which time 7 drill holes (1,388m) were completed testing the various vein sets near the Canadel Shaft within parcel 9476.

This technical report is National Instrument 43-101 compliant (and companion policy) and follows the recommended guidelines. The report is based on geological information compiled from public sources, assessment files, internal company reports and the on-going exploration supervised by the author.

The author understands that this report is to be used by McLaren Resources Inc. for a technical filing.

### 2.0 Reliance on Other Experts

The author relied on technical data available in the government files, McLaren corporate reports, and historic reports in the possession of the author in order to comment upon and make judgments on the geology and exploration potential of the project area.

In the preparation of this report, the writer relied on historic information provided by McLaren and Timginn Explorations Limited (Timginn). Title information was supplied by McLaren and Timginn and included tax bills from the Ministry of Northern Development, Mines and Forestry (MNDMF) and Parcel Register abstracts from the Land Registry Office. The author is satisfied that the mining rights are registered to TimGinn Explorations Limited as indicated by the abstracts from the Land Registry Office. Surface rights ownership was obtained from the city of Timmins.

The author is experienced in the Timmins / Porcupine areas having examined, conducted exploration upon and reported on many properties in the past including managing the drill programme on the Timginn property. The author has extensive experience in the Timmins area having assessed and performed work on adjacent properties including the Paymaster, Buffalo Ankerite, Vedron and Augdome properties. The data presented in this report is believed to be accurate and reliable. The author is not aware of any material facts or material change with respect to the subject matter of this technical report that is not reflected in the report.

### **3.0 Property Description and Location**

#### TIMGINN PROPERTY

The Timginn property is located within the eastern limits of the city of Timmins, Ontario, Canada surrounding Gillies Lake. The property consists of 9 separate contiguous parcels (~238 hectares) varying in size from 16 to 64 hectares. This grouping occurs within Concessions 2 and 3, Lots 10 and 11. The patents are for "Mining Rights Only".

Figure 1 is a modified claim map generated from the MNDMF web site. The claim boundaries were established using this site.

Title information was supplied by McLaren and Timginn and included tax bills from the MNDMF and Parcel Register abstracts from the Land Registry Office. Surface rights ownership was obtained from the city of Timmins.

A claim listing occurs within Appendix 1.

The historic Canadel shaft is located on claim 9476. This is a vertical shaft connecting development and levels at about the 100, 300, 500 and 900 foot elevations. All production occurred from this shaft (1929-1937) which has since capped and any structures removed.

Mine tailings are found on the northeast portion of the property. Refer to Figure 5 for an outline of this area.

Several veins were defined in the Canadel shaft area. These include veins 1 through 11 as indicated in the plan produced by Porcupine United Gold Mines Ltd entitled "Plan of Principal Workings" In general, these veins trend parallel to stratigraphy in a northeastern direction.

There is a "Production Royalty" between Canadian Mining and Financing Company Limited (CMP) and Consolidated Tangier Limited.

The existence of any environmental liabilities is unknown to the writer.



Figure 1 – Timginn Property Claim Map. The property is the area shaded grey. Parcel numbers and the area of each parcel measured in hectares are included. Gillies Lake is the prominent water body located mostly within parcel 5711.

## 4.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

Most of the property lies west of HWY 655 (red dashed line in figure1) within the city of Timmins. Other than parcel P13376, the property is within a residential and/or commercial setting. Within this area the Ontario Northland Railway, currently inactive, provides a right-of-way strip where drilling can proceed in a less restrictive manner. Bedrock in most of the area of interest is covered by glacial soils and by the streets and buildings, consequently most of the exploration is done currently by drilling.

The eastern portion of the property is relatively undeveloped with either Poplar dominated hardwood or the presence of the McIntyre deposit tailings. The Town Creek occurs to the western border but does not cross the property. Elevations range from the southern height of 289m above mean sea level (amsl) to 311 m at the northerneastern limit.

The City of Timmins is about 100 years old and one of the most famous gold mine camp in Canada. Therefore, the local community offers all the services for exploration and mine production.

Timmins has a modern airport and it is connected to the major network of highways, including the Trans Canada Highway.

The climate is typical of North East Ontario with temperatures in the range of 30°C in the summer to -30°C in the winter. Exploration activities are possible year round.

The dominant gold player in the camp is Goldcorp Canada Ltd. The Porcupine operation in 2010 marked its 100th year of continuous mine and mill operations and has produced more than 66 million ounces of gold since production began.

Timmins is also host to the Kidd Creek mine, a polymetallic mine containing zinc, copper, gold and silver, owned and operated by Xstrata Copper. It has smelting and refineries facilities.

AMEC produced for Goldcorp Canada Ltd, Porcupine Gold Mines in 2008 a publicly available report entitled "Pre-Feasibility Environmental Baseline Study". At the time of writing this report it was available online and provides additional environmental data for the Hollinger Project not already included within the section of this report.

### 5.0 History

#### PREVIOUS KNOWN WORK:

Prior 1922: Rochester Consolidated Mines Corporation. 1921: 7 DDH's for 3360 feet on eastern part of southerly claim. 1922-1928: Canadel Gold Limited.

1923-1924: Canadel sunk shaft SW of Gillies Lake. 940 foot shaft with stations/levels at 100, 300, 500, 800 and 925 foot elevations. About a mile of lateral development before discontinued in 1924.

1928-1933: Porcupine United Gold Mines Ltd.

1928-1931: Porcupine United Gold Mines reopened shaft and in 1929 built a 25 ton mill. In 1935 increased capacity of mill by 30 tpd. 70% gold recovered through amalgamation and remainder with cyanide.

1936: Reprocessing of tailings in Gilles Lake.

1933-1938: Gillies Lake Porcupine Mines Limited. Acquired 13 claims to north from Empire Mines Limited. EML acquired from Whelpdale and Porcupine Gold Ridge Mines. (not part of the current property)

1935-1938: Gillies Lake Porcupine Mines Limited carried on mining and milling.

1938- Taken over by Paymaster Consolidated Mines Limited interests.

1939: Property leased to Hollinger Consolidated Gold Mines for 99 years. Lease ended in 1946. Cross cut on 1550 foot level driven north. 1740 feet on cross cutting and 488 feet of drifting done. About 5000 feet of drilling near east end of Gillies Lake and 12,000 feet of drilling from the 300, 500, 1550, 2000 and 2750 foot levels of the Hollinger.

1953: Consolidated Gilles Mines Limited name change.

1992: Watts, Griffis and McOuat (WGM) property report.

1993: The Timginn Syndicate was formed in January, 1993, followed by a second Syndicate in November, 1993. As allowed by the Prospecting Syndicate financing provisions of the Ontario Securities Commission and the Canada Income Tax Act, the maximum allowable amount of \$250,000 was raised by each syndicate and has been expended in doing work to explore a property (mining rights only) comprised of 520 acres at Timmins, Ontario, owned or under option to Canadian Mining and Finance Co. Ltd. (CMF). Under the agreement with CMF, Robert Ginn can earn a 55 % interest in CMF's property by spending \$1.5 million in doing work by February 27, 1996, and members of the Syndicate can share in that interest in proportion to their contribution to the total funding. The calculation of interest will take into account that certain units have been retained by Robert Ginn in recognition of the founding of

the project and the Syndicate, and that additional funds have been provided through the Ontario Minerals Incentive Programme (OMIP), such contribution to be credited among Syndicate members in proportion to their interest.

The first Syndicate programme was completed in June, 1993 with 4 long holes (T1-T4) drilled from the ONR right-of-way and has been reviewed in a report dated July 23, 1993. That report includes historical and technical background information.

The second programme, 14 holes BQ core T-5 to T18 of 3,826 m, focused on testing the 63/95 contact.

2010: McLaren Resources can earn up to 60% in Timginn Explorations Limited interest in the property by spending \$4 million on exploration. Currently McLaren has spent \$200,000 by drilling 7 holes (1,388m) within parcel 9476, the Tangier portion of the claim group.

Timmginn completed 62 surface holes (22,364 m)

#### **Production:**

The following production schedule was taken from Ferguson - GR 58, page 78.

YEAR	ORE MILLED	GOLD CONTENT	SILVER CONTENT	TOTAL VALUE OF BULLION
	tons	ounces	ounces	Canadian funds
1929	4,848	2,134	343	\$ 44,285
1930	7,815	2,475	421	56,913
1931	1,396	263	44	5,439
1935	5,122	1,612	251	56,933
1936	18,410	4,748	764	166,531
1937	16,911	3,776	626	132,381
Total	54,502	15,278	2,449	\$462,482

### **Tisdale** Township

#### **Historical Mineral Resource Estimates**

No resources have been calculated.

### **6.0 Geological Setting**

#### **Regional:**

The project is situated in the southwestern part of the Abitibi Greenstone Belt (green) within the Archean Superior Province. Refer to the upper inset of Figure 2 below. The red star indicates the property location. The geology of the Timmins Camp comprises a thick sequence of Archean volcanic (green) and sedimentary (brown) rocks that have been intruded by synvolcanic (pink) and post tectonic felsic dykes (Figure 2).

The dashed purple line indicates the surface trace of the Destor-Porcupine Fault Structure. This feature is associated with an ultamafic unit (Hersey Lake Formation) at the bottom of the Tisdale Assemblage and marks the unconformable contact between the younger Tisdale Assemblage to the north and the older Deloro Assemble to the south. Gold deposits are spatially associated with this structure in particular the northern contact with the Tisdale.

The Timmins camp is dominated by several anticlinal-synclinal sequences of broad folding and subsequent refolding and faulting. Figure 2 shows the location of the North, and South Tisdale Anticlines with the Porcupine Syncline contained within.

Gold mineralization occurs in several structural settings and in various forms including silicification /veining of various host lithologies and can occur within disseminated sulphides.



Figure 2 - Regional Geology for the Timmins area.

Refer to Figure 3. The left portion of this image represents a stratigraphic column of the Timmins area with the oldest units at the bottom of the column. The right portion depicts the sequence of events including sedimentation, deformation, metamorphism and base metal/gold mineralization.

Table 2 reintroduces the general stratigraphy of Timmins and further sub divides the Assemblages into Formations and Flows with a general description of each. For this property, the Central Formation and flows C17 through to 95 are considered economically prospective.

# TIMMINS AREA LITHOLOGY, STRATIGRAPHY AND GEOCHRONOLOGY

This description is taken from OFR 6158, R. Bateman, 2005.

A variety of division names have been used for the supracrustal assemblages of the Timmins district (Figures 4), but the scheme of lithologies and geochronological data used here (Ayer et al. 2002; Ayer, Ketchum and Trowell 2002; Ayer et al. 2003) is summarized in Table 2, together with the subdivisions of the Timiskaming and Porcupine assemblages (Born 1995) and the Tisdale assemblage (Mason and Melnik 1986).



**Figure 3**. Timeline for the evolution of southern Abitibi greenstone belt including the volcanic and sedimentary assemblages, intrusions, deformation, metamorphism and mineralization episodes. Geochronological data are from several sources (Ayer, Trowell and Josey 2004; Corfu 1993; Mortensen 1993; Powell, Carmichael and Hodgson 1995; Bleeker, Parrish and Sager-Kinsman 1999; Davis et al. 2000; Heather 2001; Ayer et al. 2002; Ayer, Ketchum and Trowell 2002; Ayer et al. 2003; Dubé et al. 2004; Ayer et al. 2005).

instange		Flow	Lithology
	Dykes	1101	Pamour porphyry 2677±1 Ma: albitites 2673±6/-2 Ma and 2676±2 Ma
	2,100		(Corfu et al. 1989; Aver et al. 2005)
Albitites o	ut quartz-feldspar por	phyries (M	ason and Melnik 1986) and Timiskaming assemblage (Ayer et al. 2005)
Timiskaming	Three Nations		Interbedded sandstone, pebbly sandstone, conglomerate, shale; 2669±1 M
-			(Bleeker, Parrish and Sager-Kinsman 1999)
	Dome		Greywacke, sandstone, conglomerate
			Post 2679 Ma (Ayer et al. 2003)
		-	angular unconformity
Porcupine	Beatty		Sandstone, greywacke, shale
	Krist		Felsic volcaniclastic breccia, heterolithic tuff, shale ~2690 Ma (Bleeker
		_	1999; Ayer et al. 2003; Bateman et al. 2004)
	graphitic phyllite		Carbonaceous shale, typically well deformed
		di	sconformity (and shear zone?)
	Dykes		Quartz-feldspar porphyries ~2690 Ma (Corfu et al. 1989)
	intrusive into Tisdal	e Formatio	n, not known within Porcupine or Timiskaming at Timmins
Tisdale	Gold Centre	V11	Massive and pillowed lava
	Vipond	V10	Massive and variolitic lavas
		V9	Carbonaceous shale
		V8	Variolitic and pillowed lavas
		V7	Carbonaceous shale
		99	Massive lava, ankerite-sericite alteration 2707±3 Ma (Ayer et al. 2002)
	Central	C17	Carbonaceous shale
		C16	Amygdaloidal lava
		C15	Pillow lava, flow breccia
		C14	Massive lava
		C12	Variolitic lava
		55	Massive lava
		95	Massive, amygdaloidal, variolitic, pillowed, hyaloclastic lavas,
			carbonaceous shale
	Northern	63	Massive, amygdaloidal, polygonal jointed lava, carbonaceous shale
		51	Massive, amygdaloidal lava
	Hersey Lake		Mafic and komatiitic lavas
	unconformable	contact (Ay	ver et al. 2004) and Porcupine-Destor deformation zone
Deloro 2724 -			Mafic and ultramafic lavas
2730 Ma			Iron formation
(Ayer et al.			Felsic volcanics and volcaniclastic rocks

Table 1. Tectonostratigraphic, lithological and geochronological summary for rocks of the Timmins gold camp.

#### Deloro Assemblage

The oldest assemblage within the camp is the Deloro assemblage. It consists predominantly of pillowed calc-alkaline mafic volcanic rocks with lesser amounts of intermediate to felsic volcanics and iron formations. It occurs within the central part of the Shaw antiformal structure, south of the Porcupine–Destor deformation zone (Figure 2). A new geochronological sample from felsic volcanics immediately underlying the iron formations in northeastern Shaw Township have yielded zircons with an age of 2727 Ma confirming the presence of the Deloro assemblage in this area.

#### Tisdale Assemblage

The Tisdale assemblage overlies the Deloro assemblage with a disconformity which may locally be an angular unconformity (Ayer et al. 2004). It occurs around the margin of the Shaw antiformal structure and north of the PDDZ, where the lowermost horizon of the Tisdale assemblage consists of komatiites and basaltic komatiites of the Hersey Lake formation (~600 m thick). These are dark green to black rocks in flows 1-4 m thick, massive, with chilled margins, spinifex textures in upper parts, and common polysuturing. They comprise serpentine, tremolite, chlorite, talc, carbonate, and some relict olivine, plus chromite and magnetite. Tisdale komatiites are mostly Al-undepleted komatiites derived late in an evolving mantle plume, with minor crustal contamination (Lahaye et al. 2001; Sproule et al. 2002).

The upper Tisdale assemblage consists of the Central formation (450 m thick), the Vipond formation (200-300 m) and the Gold Centre formation (800 m). These formations are comprised of a variety of essentially tholeiitic lavas together with subordinate ultramafic lavas, and minor carbonaceous shale interflow sediments. Basalts are variously pillowed (1-2<5 m), massive or hyaloclastic in flows 10-150 m thick. Petrographically, they consist of actinolite-tremolite, plagioclase, trace quartz, and titanite. The more Fe-rich tholeiites are darker in colour, contain magnetite and more pleochroic actinolite and higher contents of quartz. Some Vipond formation Fe-rich lavas are very distinctive in their intensely variolitic texture (<3cm), and these serve as marker horizons, and are a feature of well-mineralized rocks (Jones 1992). Tisdale lavas are similar in Th-Nb-LREE to ocean plateau or ocean island basalts erupted above a plume in a subduction zone (Kerrich, Polat et al. 1999.)

#### Porcupine Assemblage

The base of the Porcupine assemblage varies from disconformable to an angular disconformity (Buffam 1948). At the base is a discontinuous horizon of carbonaceous sedimentary rocks (up to 100 m), separating the underlying Tisdale assemblage mafic lavas from the Krist formation. The Krist formation is a calcalkaline pyroclastic deposit, locally up to 500 m in thickness, with an age ranging from 2690 to 2688 Ma (Ayer, Ketchum and Trowell 2002; Ayer et al. 2003). It is poorly sorted and bedded, with angular clasts of 1 to 25 cm across, consisting of feldspar (± sparse quartz)-phyric rhyodacite, chert, and minor but ubiquitous fuchsite-bearing chips of ultramafic rock. The fine-grained matrix to the clasts is also feldspar-bearing. Greywackes, siltstone and mudstone (~1000 m) overlie the Krist pyroclastic formation, in places unconformably (Ferguson et al. 1968). Elsewhere the Krist formation is absent and the greywackes of the Beatty formation (Porcupine assemblage) directly overlie Tisdale assemblage lavas with an unconformable or faulted contact. The sediments are fine- to medium-grained, well-bedded or laminated arkosic-lithic turbidites with scour and flute marks and crossbedding. Lithic fragments are principally volcanics in an extremely fine-grained quartz-feldspar-sericite matrix.

The Hoyle formation is an extensive part of the Porcupine assemblage lying to the east; north and west of the Timmins camp. The youngest zircon derived from volcaniclastic arenites within the Hoyle formation south of the Kidd Creek mine provides a maximum age for deposition of  $2684.7 \pm 6.3$  Ma (Bleeker, Parrish and Sager-Kinsman 1999.

The Beatty formation is located in the core of the Porcupine syncline. A sample of Beatty formation sandstone immediately underlying the Timiskaming angular unconformity in Tisdale Township contains detrital zircons with ID-TIMS ages of ca. 2726 Ma, 2720 Ma, 2708 Ma, 2692 Ma, and 2687 Ma. By comparison, SHRIMP data on a larger group of detrital grains from this sample indicate zircon ages ranging from about 2760 Ma to 2680 Ma, with the bulk of the youngest zircon detritus ages clustering near 2690 Ma. The combined geochronological data from the Porcupine sandstone samples indicates that the Hoyle and Beatty formations are correlative and that detritus constituting these sedimentary units was derived from a source region (or regions) of diverse ages, and included material derived from all older Abitibi assemblages and/or their intrusive equivalents. The results thus confirm a period of significant uplift, erosion and unconformity occurred leading up to deposition of the Porcupine assemblage .

#### **Timiskaming Assemblage**

Overlying the Porcupine assemblage with angular unconformity (Ferguson et al. 1968) is the Timiskaming assemblage (~ 900 m thick). In the Dome formation, basal conglomerate of up to 50 m contains abundant angular mafic and ultramafic rock clasts, among other rock types, from the underlying Tisdale rocks. The Dome formation contains 2 other cobble conglomerate horizons. Greywacke consist of alternating shale (5-20 cm) and sandstone (10-50 cm). P. Born (Ayer et al. 1999) interprets the lower Dome formation as a sequence of turbiditic fan sediments. Two samples from the Dome formation at the Dome mine were

analysed using the ID-TIMS method (Ayer et al. 2003): wacke from the basal part of the Dome formation in the Greenstone Nose (Figure 3, location 6) contains detrital zircons with ages ranging from 2710 Ma to  $2679 \pm 4$  Ma, whereas conglomerate in the "sedimentary trough" yielded a broader spectrum of detrital zircon ages ranging from 2814 Ma to  $2674 \pm 2$  Ma. Less precise but more comprehensive SHRIMP results from these 2 samples reveal bimodal age distributions with a significant pre-Abitibi population ranging in age from 2820 to 2780 Ma and an Abitibi-aged population ranging from 2730 Ma to approximately 2660 Ma.

Stratigraphically overlying the Dome formation, the Three Nations formation consist of quartz-lithic sandstones, with angular grains, in crossbedded beds on the scale of 25-100 cm. Conglomerate beds contain rounded clasts (1 to 25 cm) of siltstone, felsic volcanics, ultramafic rock, and vein quartz. The Three Nations formation is interpreted as deltaic-fluvial deposits (Ayer et al. 1999) with mixed mafic provenance (Feng and Kerrich 1990). Detrital zircons from the upper part of the Three Nations formation provide a maximum depositional age of 2669 Ma (Bleeker, Parrish and Sager-Kinsman 1999; Ayer et al. 2003). Asyet unassigned Timiskaming assemblage-aged sedimentary units with maximum depositional ages of 2674 Ma occur as tectonically interleaved slivers within Tisdale assemblage volcanics proximal to the Porcupine–Destor deformation zone at the Buffalo Ankerite and Naybob mines (Ayer et al. 2003). In addition, recent diamond drilling by the Porcupine Joint Venture has indicated the presence of more extensive Timiskaming assemblage units further to the west in Ogden Township consisting of jasper-bearing conglomerate, sandstone and siltstone in faulted contact with ultramafic volcanics to the south.



**Figure 4.** A generalized map of the Timmins–Porcupine gold camp, covering Tisdale, Deloro, Mountjoy, Ogden, Whitney and Hoyle townships.

Timiskaming-aged units also occur south of where they have been previously indicated in Whitney Township. For example, a sample of sandstone interbedded with conglomerate from a unit previously considered to be part of the Porcupine assemblage (Figure 3, location 7) contains detrital zircons with IDTIMS ages of 2726 Ma, 2723 Ma, 2692 Ma, 2689.9  $\pm$  1.2 Ma and 2690 Ma. SHRIMP data from a larger population of detrital zircons from the same sample show that the zircons define a spectrum of ages between approximately 2750 and 2670 Ma. The younger ages indicate that the unit is likely part of the Timiskaming assemblage and thus extends the known distribution of this assemblage further to the south in Whitney Township.

#### Porphyry Stocks

Porphyry stocks (up to 1200 by 400 m) and dyke swarms intrude the Tisdale assemblage lavas, but are not known to intrude Porcupine or Timiskaming assemblage sediments (Holmes 1944; Brisbin 1997;Bateman et al. 2004): dykes are truncated at the Timiskaming unconformity surface; porphyry clasts occur in the overlying conglomerates; and so these porphyry bodies are typically older (2691-2687 Ma) than the ages given for the overlying sediments. The porphyries consist of plagioclase (30-60%, 1-5 mm) and quartz (5%, 1-5 mm) phenocrysts in a fine groundmass of feldspar and quartz with sericite and chlorite in foliation, plus carbonate, leucoxene, apatite and actinolite (Pyke 1982). Geochemically, the porphyries are identical to the Krist pyroclastics (unpublished Porcupine Joint Venture data). Geochronological work was carried out on 2 felsic units found within the south volcanic package at the Hoyle Pond mine: quartz porphyritic sericite schist and quartz-albite porphyry (OFP) (Dinel and Fowler 2004). In contrast to the quartz feldspar porphyries, the quartz porphyritic sericite schist is strongly foliated and sericitized and appears to be conformable with the adjacent mafic and ultramafic volcanic units over 200 m (horizontal and vertical). Because of its conformable relationship and embayed quartz phenocrysts, a dissolution texture common in volcanic rocks, the unit was sampled to attempt to date the Tisdale stratigraphy in the mine area. Four single-grain zircon analyses from this unit define a primary age of crystallization of  $2687.6 \pm 2.2$  Ma. This age is within error of most of the other porphyry intrusion ages in the Timmins camp (MacDonald, Piercey and Hamilton 2005). On the basis of this new geochronological data, the unit is best interpreted as a quartz porphyritic intrusion emplaced into the Tisdale assemblage volcanic units. The other quartz-feldspar porphyry is trachytic in texture, composed of quartz and albite phenocrysts with a preferential alignment in a groundmass of microlites. The dominant tectonic fabric is S2 and it appears to have been intruded into a dilation zone during D2 (E. Dinel, personal communication, 2004). The best age estimate for this porphyry is provided by 3 concordant and near-concordant single-zircon analyses, which yield a weighted mean age of 2684.4  $\pm$  1.9 Ma. Minor inheritance is indicated at about 2695 Ma. The crystallization age of the quartz feldspar porphyry is slightly younger than, but within the error of, most of the early porphyries in the Timmins gold camp (MacDonald, Piercey and Hamilton 2005), which suggests that its age of emplacement may in fact provide an absolute constraint on the timing of D2, which is considered to be pre-Timiskaming assemblage

#### Pamour Porphyry

The Pamour porphyry is a recently recognized intrusion southwest of Pamour mine. The intrusion is not exposed at surface, but recent diamond drilling by the Porcupine Joint Venture indicate it is an elongate body up to several hundred metres in length (MacDonald, Piercey and Hamilton 2005). It consists of 1-5 mm quartz-feldspar porphyritic crystals, with accessory biotite-chlorite-pyrite. Clots of mafic minerals occur, up to 1 cm long. It truncates foliation in the host ultramafic rocks of the Porcupine–Destor deformation zone. The foliation in the porphyry is defined by flakes of mafic minerals, by foliation within the clots, and by the shape orientation of the clots. This foliation lies at an angle to that in the host rocks, and may be an igneous foliation. These relationships also suggest that foliation development postdates major movement (D2) on the Porcupine–Destor deformation zone. Conventional ID-TIMS zircon dating of the

Pamour porphyry is complicated by the combined effects of inheritance and Pb-loss. At present, the best constraint on the age of intrusion is provided by a near-concordant, single grain analysis at  $2677.5 \pm 2.0$  Ma. Additional zircon analyses at 2690 Ma and 2703 Ma clearly define xenocryst ages. The age of intrusion is apparently younger than most other porphyries in the camp (see above) and its age constrains D2 as occurring before this time.

#### Albitite Dykes

Albitite dykes (Ferguson et al. 1968), up to maximum dimensions of 5 x 1000 m, are known from underground at the Hollinger and McIntyre mines. The dykes consist largely of feldspar, with very minor quartz, biotite/chlorite, plus sericite, carbonate, amphiboles, tourmaline and epidote. Albitite dykes are crosscut by gold-bearing veins and alteration in Hollinger-McIntyre mine (Burrows et al. 1993). Zircons from this dyke yielded an age of 2673 +6/-2 Ma (Corfu et al. 1989). Three additional single-grain fractions were analyzed from this sample (SM85-60) to better constrain its age. One shows definite signs of inheritance with a Pb207/Pb 206 age of  $2694.4 \pm 1.8$  Ma; however two others are concordant and overlapping and alone would suggest an age of  $2672.7 \pm 1.2$  Ma. These points are identical to the most precise earlier analyses, which all together give an age of  $2672.8 \pm 1.1$  Ma. This dyke age gives a maximum age for vein quartz gold mineralization at the Hollinger-McIntyre mines. Albitite dykes were also observed in diamond drill core intruding the Timiskaming assemblage conglomerates and ultramafic volcanic rocks proximal to the Porcupine-Destor deformation zone in Whitney Township (E. Barr, personal communication, 2004). An 8 m wide dyke cutting ultramafic volcanics in this area (Figure 3, location 9) was sampled for precise U-Pb geochronology. Four abraded zircon fractions from this transgressive unit yield a tightly collinear regression with a concordia upper intercept age of  $2677.0 \pm 2.2$  Ma, interpreted to represent the primary age of crystallization of the albitite dyke. This age is within error of the McIntyre albitite dyke and the Pamour porphyry, indicating that post D2 magmatism is more widespread in the Timmins camp than was previously recognized.

#### Trondhjemite-Tonalite-Granodiorite

TTG (trondhjemite-tonalite-granodiorite) granitoid plutonism, in particular tonalite, in the Abitibi Subprovince is associated with all mafic-ultramafic volcanic episodes and with all deformation periods (Chown, Harrap and Mouksil 2002). Granitoids are closely related to felsic volcanism, and may form subvolcanic complexes. Chown, Harrap and Mouksil (2002) related this granitoid plutonism to extensional phases of subduction- and plume-related tectonics. The Kenogamissi Batholith lies southwest of the camp (see Figure 1) and is a multiphased body consisting of foliated to gneissic synvolcanic hornblende- and biotite-tonalite ranging in age from 2745 to 2713 Ma, moderately to weakly foliated syntectonic biotite- and hornblende-granodiorite and hornblende-diorite ranging from 2700 to 2680 Ma, and massive biotite-granite with an age of ca. 2670 Ma (Heather and van Breeman 1994; Bleeker, Parrish and Sager-Kinsman 1999; Becker and Benn 2003). The Adams pluton (Pyke 1982) consists of weakly foliated granodiorite with an age of 2685  $\pm$  3 Ma intruded into Tisdale assemblage rocks southwest of the Shaw antiform. Bob's Lake granodiorite is a fine- to medium-grained, locally foliated pink to light grey granodiorite.

#### Post Archean Units

Post-Archaean rocks in the Timmins area include the Proterozoic diabase dyke suites. The Matachewan dykes strike north-northwest, the Abitibi dyke set strikes east-northeast, and other strike sets are discussed in some detail elsewhere (Pyke 1982). The north or north-northwest dykes consist of quartz and olivine-bearing variants with plagioclase phenocrysts, dated at  $2454 \pm 2$  Ma (Heaman 1988). The east-northeast Abitibi set consist of 2 large olivine diabase dykes dated at  $1140.6 \pm 2$  Ma (Krogh et al.1987): these are very similar to another set of less common northwest-trending dykes.

# 6.1 Property Geology:

#### THE CONCEPT OF THE TIMGINN PROJECT

Much of this description is taken from the R. Ginn report entitled "Report of the Timmins, Ontario Property for the Timginn Syndicate – Second Drilling Programme Results", dated October 31, 1994.

The Timginn property is located northwest of much of the old Hollinger Mine property which produced about 20 million ounces of gold over a period of about 75 years. Refer to Figure 5 below. The mineralization was largely restricted to a series of volcanic rocks about 400 metres in thickness, plunging eastward across the McIntyre and Coniaurum properties. It is clear that the Central Formation (red) is the favoured host for gold mineralization, both at the three mines noted here and at those on the southern limb of the Porcupine Syncline from the Dome Mine on the east to the Delnite Mine on the west. Due to an anticlinal fold on the northern side of the Hollinger property, the same series of favourable volcanic rocks was indicated to underlie Gillies Lake and the original Town of Timmins on the Timginn Property.

Ore is not present in all rocks of the Central Formation, but is restricted to areas of structural disturbance resulting from faulting and/or intrusion of porphyry bodies, and is characterized by carbonate alteration.



**Figure 5.** Timginn Property Concept (WGM Report 1993). The red shaded region is the surface trace of the Central Formation. A folded and plunging anticline is proposed which results in a repletion of the Central Formation on to the Timginn property.

Figure 6 is a plan view of the Timginn property geology taken from the original 1:2500 scale map produced by R. Ginn. It is the most detailed map available for this property and has been modified for this report The upper left inset map is taken from Map P3555 (1:10,000 scale) issued 2005 (OFR 6158, Bateman 2005). This map provides a better overview of the property with clastic metasediments occuring to the northwest.

The contact between the top of the 63 flow (lime green) and the bottom of the 95 flow (dark green), the latter being the bottom flow of the Central Formation represents the southern limit of the prospective area (red). It is estimated that about three million ounces of gold were produced from veins along the 63/95 contact on the Hollinger and McIntyre properties south of the Timginn property, and the Moneta Porcupine production of 150,000 ounces came from the same horizon. In each case the grade of ore (0.3 opt) was higher than the camp average.

The northern limit of the prospective region is marked by the beginning of the Vipond Formation.

The V-8 (spherulitic) and the MA-1(agglomerate/breccia) flows are easy to identify, and serve as marker horizons in the area.

At least two significant fault structures were identified including the Fifth Avenue and Gillies Lake structures. The E-W trending Fifth Avenue fault was intersected in drilling found to contain notable amounts ppm zinc and other elements of interest including up to 25% pyrite +/- quartz ankerite calcite veining +/- graphite +/- gouge at least locally. It is likely that a number of east-west veins which were mined by Hollinger to the east of the Canadel claim occupy this fault.

The Gillies Lake fault trends NE/SW and is indicated in part by the presence of porphyry dykes along its margins.

Other NW/SE trending faults, at least 6, chop up the NE/SW trending stratigraphy.



**Figure 6.** Timginn Property Map. The red area between the heavy dashed lines is considered to be the most prospective. This region trends in a NE/SW direction along the southeastern property boundary. The pink porphyries indicate regions of likely permeability and possible faulting/disruption. The yellow MA-1 unit is used as a marker horizon as is the brown variolitic / spherulitic flows.

## 7.0 Deposit Types

The Timginn property is surrounded by the McIntyre mine to the west, and the Hollinger / Moneta mines to the south. A description of these past producing mines is relevant to this report. Gold mineralization in this area belongs to the structurally controlled Archean lode gold class of deposits.

The Hollinger-McIntyre-Coniaurum-Vipond-Moneta-Crown vein system is the second largest known Archean gold-quartz vein/shear zone deposit in the world. The principal type of mineralization consists of massive, white quartz veins and stringers with well-developed pyrite-carbonate (ankeritic)-sericite alteration envelopes. The appearance of the veins is very distinctive in various forms and orientations.

Gold mineralization is a late event requiring sufficient permeability within potential host rocks to allow mineralizing fluids to penetrate. Such permeability can occur along and/or around fault structures. Felsic (porphyries) / mafic dykes often share the same pathways of permeability as the mineralized fluids and as a result indicate the prerequisite plumbing required to host gold deposits.

Gold mineralization on the Timginn property belongs to the structurally controlled Archean lode gold class of deposits. Structurally hosted, low-sulphide, lode gold vein systems in metamorphic terrains from around

the world possess many characteristics in common, spatially and through time; they constitute a single class of epigenetic precious metal deposits, formed during accretionary tectonics or continental delamination.

The Superior Province is the largest exposed Archean craton in the world, and has accounted for more gold production than any other Archean craton, with the 25 largest known deposits having produced more than 1 million ounces (30 tonnes) of gold.

The Timmins camp of the Abitibi greenstone belt is the most prolific gold camps in Canada with production in excess of 62 million ounces Au.

The majority of lode gold deposits formed proximal to regional terrane-boundary structures that acted as vertically extensive hydrothermal plumbing systems. Major mining camps are sited near deflections, strike slip or dilational jogs on the major structures. In detail, most deposits are situated in second or third order splays, or fault intersections, that define domains of low mean stress and correspondingly high fluid fluxes. Accordingly, the mineralization and associated alteration is most intense in these flanking domains. The largest lode gold mining camps are in terrains that possess greenschist facies hydrothermal alteration assemblages developed in cyclic ductile to brittle deformation. Smaller deposits are present in amphibolite to granulite facies alteration assemblages, ductile shear zones, and ductilely deformed veins (McCuaig and Kerrich, 1998).

The Abitibi belt is clearly the most prolific gold-producing greenstone terrain in the Superior Province.

Characteristically the largest gold deposits of the district are spatially associated with, but not in, porphyries similar to those exposed at the Dome and Hollinger-McIntyre mines. This association has led to considerable speculation regarding the genetic relationship of felsic porphyry emplacement to ore formation.

At a greenstone-belt scale, Archean gold camps are most commonly related to large-scale (>100 km long), transcrustal fault zones. However, on a camp scale, most of the world-class (>100 t) gold deposits are hosted in second- and third-order fault zones, whereas the first-order transcrustal faults are largely barren. There are many examples of transcrustal faults that are believed to penetrate into the lower crust or even into the mantle. Both the close spatial relationship of world-class gold deposits and trans crustal fault zones, and the deep penetration of the latter, stimulated the model that transcrustal fault zones represent the main conduits for goldbearing hydrothermal fluids from mantle and lower-crustal levels to make their way into dilatant second- and third-order shear zones that host ore bodies in the upper crust (Kerrich, 1993)

This model requires that the trans crustal fault zones and the gold-hosting second- and third-order shear zones were structurally and hydraulically connected at the time of gold mineralization. However, because most Archean trans crustal fault zones worldwide are poorly exposed, and their location, strike, and orientation are typically interpreted from aeromagnetic data, there is a general lack of precise structural and fluid chemistry data. In the Abitibi greenstone belt in Canada, however, significant structural and fluid chemistry information does exist for the transcrustal Cadillac tectonic zone.

### CHARACTERISTICS OF LODE GOLD DEPOSITS

This class of Au-Ag deposits has variously been named lode or reef type, terms that include veins in shear zones, through stockworks, to mineralized wall rocks. The term mesothermal or mesozonal has also been used in view of their predominance in mid-crustal, greenschist facies environments. However, the deposits are now known to have formed over a large range of crustal depths from > 25 km to the near surface environment; hence those earlier terms are not appropriate.

Most lode gold deposits occur in terrains that experienced greenschist facies metamorphism, and the deposits feature greenschist-facies alteration assemblages. Recently, it has been recognized that Archean

lode gold deposits in amphibolite and granulite facies terrains share numerous characteristics, such as structural hosting, metal inventory, element association, ore fluid properties and likely source, in common with their greenschist hosted mesothermal counterparts. Accordingly, this class of structurally hosted Au-Ag vein deposits may be viewed as forming over a crustal depth range, or 'crustal continuum', extending from granulite to sub-greenschist facies environments.

Studies of lode gold deposits of all ages have revealed a number of common characteristics which can be summarized as follows:

- 1. Rich lode Au metallogenic provinces are associated with external super-continent cycles, or external domains of internal super-continent aggregation cycles.
- 2. The timing of mineralization is late-accretion, within the larger time frame of erogenic belts involving accretion of one or multiple allochthonous terrains.
- 3. Deposits are sited proximal to major accretionary structures within, or at the boundaries of, composite metamorphosed volcanic-plutonic or sedimentary terrains.
- 4. Lode gold deposits are distributed in belts of great geological complexity and display gradients of lithology, strain, fluid flow and metamorphic grade typical of accretionary environments.
- 5. Deposits are structurally hosted, associated with second or higher order splays of translithospheric faults.
- 6. The alteration mineral paragenesis in greenschist facies domains is dominated by quartz, carbonate, mica, (albite), chlorite, pyrite, scheelite and tourmaline.
- 7. There is a distinctive element association characterized by enrichment in Au, Ag (minor As, Sb, Te, W, Mo, Bi, B), with low enrichments of Cu, Pb, Zn relative to the background abundances. In Phanerozoic deposits Mo and Te are only enriched where veins cut felsic intrusions.
- 8. Ore forming hydrothermal fluids are dilute aqueous carbonic fluids, with uniformly low fluid salinities.
- 9. Lode systems may have vertical extents of up to 2 km, with a lack of zoning, or weak zoning, within deposits, albeit with some zoning of metal content at the scale of an entire mining district.

## 8.0 Mineralization

Quartz-dominated veins contain ankeritic carbonate, albite, pyrite, minor Cu, Zn and Pb sulphides, scheelite, tourmaline and tellurides which are all typical of many Archean gold-quartz vein deposits. Approximately 95 percent of the total gold occurred in mineralized wall rock as very fine particles intimately associated with pyrite (96.4 volume percent); minor, but very spectacular free gold also occurred along vein margins. The bulk of the gold in both the veins and adjacent mineralized wall rock was directly deposited in situ and not remobilized.

Hollinger was a source of tungsten (as scheelite, CaWO4) from the Archean gold mines in Canada between 1940 and 1953, producing 47,878.1 tonnes at Q.78% WOs (Allen and Folinsbee, 1944; Ferguson, 1968; Wood, 1983).

The adjacent Mcintyre Mine also contains an intrusion-hosted (strained Pearl Lake Porphyry) replacement and vein Cu-Au-Ag-Mo deposit.

The main minerals of the gold-bearing zones are quartz, carbonates, alkali feldspar (most commonly albite), sericite, pyrite, tourmaline, arsenopyrite, scheelite, and molybdenite. Pyrrhotite is common in the deep parts of deposits, as well as in deposits hosted in banded iron formation. Arsenopyrite seems to be common in deposits hosted in sedimentary rocks.

The concentration of gold may be considered to be a product of the alteration process, as well as the concentrations of B, W, Sb, Te, Mo, and As. Although gold in quartz veins is the most distinctive occurrence, the gold in some deposits is also or largely in the altered wall rock.

### 9.0 Exploration and Drilling

McLaren Resources completed a diamond drilling programme at the end of 2011 and fulfilled their due diligence obligation of \$200,000.

During this phase of exploration, 7 surface holes were drilled (1,387.8 m) within parcel P13427 (9476). A drilling summary with highlighted results is included within Table 3. The program was designed to test the gold mineralization potential of the multiple veins that were explored and mined underground at the Canadel shaft.

The drill logs for the 2011 program are included in Appendix II and a plan map of their location is found in Figure 7.

Typical cross sections including both the McLaren and TimGinn diamond drilling are shown on Figures 8, 9 and 10. The lithology colour legend for the cross sections and plan is located in Appendix 3.

HOLE ID	EASTING NAD 83	NORTHING NAD 83		LENGTH M	DIP	AZIMUTH	FROM M	TO M	LENGTH M	GRADE GPT AU	GxW
MTG-11-01	476401.7	5369480.7	313.6	255.0	-65	170	101.0	102.5	1.5	0.62	0.9
							110.0	111.2	1.2	3.21	3.9
							216.0	217.5	1.5	0.60	0.9
MTG-11-02	476350.0	5369462.1	313.4	119.8	-45	180	49.0	50.5	1.5	6.81	10.2
							78.2	79.3	1.1	24.20	26.6
							111.3	112.8	1.5	0.84	1.3
MTG-11-03	476350.2	5369462.7	313.2	327.0	-65	180	184.0	187.0	3.0	4.10	12.3
MTG-11-04	476349.1	5369462.2	313.4	249.0	-45	200	107.5	108.5	1.0	0.84	0.8
							206.9	214.3	7.4	7.00	51.8
							in	cl	1.5	16.10	24.2
						150					10.0
MTG-11-05	476351.0	5369462.7	313.5	104.0	-45	150	79.5	82.5	3.0	6.02	18.0
							82.5	88.8	6.3	060	22.6
							90.0	97.5	7.5	3.01	22.6
							10		1.5	10.80	10.2
MTG-11-06	476350.9	5369459.8	313.5	183.0	-58	150	57.0	59.5	2.5	1.76	4.4
							138.2	139.5	1.3	1.34	1.7
							150.5	152.0	1.5	0.94	1.4
							168.0	169.2	1.2	1.59	1.9
MTC 11 07	476240 7	5260462.0	212.0	450.0	50	245	24.0	25.5	4.5		
WIIG-11-07	4/6348./	5369462.0	313.0	150.0	-50	315	24.0	25.5	1.5	3.54	5.3

#### Table 2. Summary of McLaren Resources Diamond Drilling - 2011

DTAL



Figure 7-Diamond Drill Plan Map

The holes were targeting the mineralization that was explored and mined in the Canadel Shaft by Consolidated Gilles Lake Mines Limited. The drilling was successful in intersecting mineralization in all 7 holes (Table 3) including significant gold mineralization in 4 of the 7 holes. Significant drill intercepts include **7.0 gpt Au over 7.4 metres** (MTG-11-04) and **24.2 gpt Au over 1.1 metres** (MTG-11-02). The other 3 holes intersected highly anomalous gold values including economic values over short lengths (3.21 gpt Au over 1.2 metres - MTG-11-01) and lower values over greater widths (2.10 gpt Au over 3.5 metres - MTG-11-07). The mineralization was traced over a strike length of 180 metres (figure 7) and to a depth of 150 metres below surface - hole MTG-11-04, section 480E.

The continuity of the mineralization can be seen on both the sections and plan maps. The plan map also includes the historic underground workings. The drill plan map indicates that both the drill indicated gold zones and the historic underground workings are striking at approximately 045 degrees. The sections indicate that the gold zones dip at about -80 degrees to the southeast.

The diamond drill program confirmed the gold mineralization on the McLaren TimGinn property and expanded the area of known mineralization. The mineralization remains open both along strike and at depth. The property has only seen relatively very shallow exploration as can be seen on the sections relative to the depths of the adjacent properties and mines(Hollinger mined to 1650 metres below surface and McIntyre to 2500 metres below surface.



Figure 8 - Section 630 E



Figure 9 - Section 570 E



Figure 10 - Section 480 E

### 10.0 Sampling Method, Preparation and Security and Data Verification

Geochemical results reported from the Timginn Project are from halved drill core samples collected by the Company and are subject to the Company's quality control program. Sampling of the drill core was conducted on site at the Company's South Porcupine core facility, located on the Tisdale property, by trained personnel. Samples were transported to the ALS Chemex Laboratory preparation facilities in Timmins, Ontario. Samples were assayed for gold by standard fire assay-ICP finish with a 30 gram charge. Gold values in excess of 10 g/t were re-analyzed by fire assay with gravimetric finish for greater accuracy. The remaining half of the drill core is stored on-site at the Company's South Porcupine core facility.

For quality control purposes blank, duplicate and analytical control standards were inserted into the sample sequence at irregular intervals and no significant discrepancies are reported.

The gemcom database for the Timginn Project includes the collar survey, down-hole survey, assay, geological and geotechnical data for each drill hole. The database is up-do-date, including all of the results of the 2011 drill campaign.

The majority of the geologic data has been collected by relatively few geologists that participated, thereby minimizing the potential for introducing inconsistencies during rock identification. Field data was verified on site before being crosschecked and incorporated in the GEMCOM software and the data was validated by a senior geologist. The assay data was transferred from the laboratory assay certificates to the assay field in the database using unique sample numbers.

Appropriate tests were run by the GEMCOM software for distances missing or for overlaps for both geology and assay data, and the few inconsistencies corrected. The gemcom database is correct and reliable.

Down-the-hole survey data is available for all drill holes. McLaren surveys consisted of a digital reflex instrument recording, azimuth, dip and magnetic field. Tests were taken a few metres below the casing and every 50 metres thereafter.

All drill collars surveyed by Differential Correction GPS and converted to the local grid coordinate system including azimuth and dip of the casing. Casing was left in the hole for virtually all of the drill holes.

McLaren conducted comprehensive QA/QC programs during all of their drill programmes to validate the assay results received. Blind repeat assaying at the original laboratory shows good precision of the results, while check assaying at outside laboratories gives comparable results.

Extensive review of the data and database was conducted. Random checking of the gemcom drill database found very few errors and none of a significant nature. The author found the data to be of a high quality and accurate. The gemcom database for the Timginn Project is reliable.

### **11.0 Adjacent Properties**

The author has reviewed available historic assessment reports and private property reports for the preparation of this report.

#### a) Hollinger Mine.

Most of the veins are in the basalts adjacent to the porphyries and a few are within the porphyries themselves. The deposit is a composite vein zone 5,000 feet long, 3,000 feet wide and 2,000 feet deep. The average stoping width was about 10 feet which might consist of a vein 5 feet wide with a zone of stringers and mineralized wall rock adjacent to the vein. Quartz and carbonate are the most abundant vein minerals (chalcopyrite, sphalerite, galena and tellurides). Pyrite occurs in the wall rock adjacent to the vein. The property has numerous shafts and 380 miles of underground lateral workings. Production from this mine was prolific and amounted to 19,354,500 oz of gold from 65,890,400 tons of ore.

#### b) McIntyre Mine

Production started in 1912 and underground operation was discontinued in 1988 during which time it produced 10.7 million ounces of gold at a grade of 0.29 ounces per ton. Silver was as a bi- product with the gold.

McIntyre has two distinctly different types of ore, gold and copper, both apparently related in origin to the Pearl Lake Porphyry. Gold ores are associated with pyrite.

Some of the ore mined on the upper levels at the west end of the property was, in fact, sulphide ore, averaging about 0.5 ounces per ton in grade, with no direct association with quartz. The bulk of the ore, however, has come from quartz veins or stringer zones in which gold is native, and is one of the latest minerals to be deposited.

Veining is very extensive in and around the porphyry and not all veins nor all parts of any vein make ore. The mineralogy of the copper ores is much simpler than that of the gold ores. Pyrite is early, and possibly some of the chalcopyrite is also early. At some later stage a greatly different mineralizing solution, of supergene or hypogene origin, oxidized the pyrite to hematite and deposited chalcopyrite, bornite, and tennantite. Some quartz accompanied the deposition of bornite and tennantite, though gypsum is the commonest gangue mineral deposited with the copper ores, and in fact extends well beyond the copper zone, replacing and filling fractures in porphyry and lava. Native silver is occasionally seen in close association with bornite and tennantite. Small amounts of molybdenite occur throughout the zone, without a definite relation to ore-grade copper, and are probably one of the early minerals.

#### c) Moneta Mine

The Moneta property was first staked in 1909, about a year after the first discovery of gold in the Porcupine camp.

The ore at the Moneta occurs in the vicinity of the contacts between a pillowed amygdaloidal andesite (No.63), a massive, coarse-grained, leucoxene andesite (No. 95), and a wedge of massive, medium-grained andesite with pillowed edges, which is partly intercalated between the two flows, No.63 and No.95. Black, carbonaceous shale lies along both contacts of the andesite wedge and locally extends beyond it between the pillowed andesite and the leucoxene andesite.

The deposition of the ore was apparently controlled by fractures which cut obliquely across the contacts between the three flows. The ore shoots were localized mainly at the point of the wedge and in the vicinity of the leucoxene contact. In these areas the fractures traversed zones of relative structural weak ness as well as a rock of a favourable chemical composition for the precipitation of gold. The fractures carry gold in economic amounts in the pillowed andesite

and in the wedge of massive andesite, but none of them extends beyond a few feet into the leucoxene andesite, though the richest ore occurs in the vicinity of the latter rock. The presence throughout the base of the leucoxene flow of finely

divided carbonaceous material, which was probably derived from the underlying shale when the leucoxene lava was poured out, may have precipitated the gold from solution and prevented it from extending far into the leucoxene flow.

The ore consists largely of heavy sulphide replacement of brecciated pillowed andesite and leucoxene andesite. The sulphide content of the ore is mainly pyrite. Very minor amounts of chalcopyrite, pyrrhotite, and sphalerite can occasionally be noted in the hand specimen. Visible gold is observed in places usually associated with brown sphalerite in the quartz-carbonate matrix of the breccia. The amount of pyrite contained in the ore averages about 13 percent.

The extreme fineness of the gold created a serious metallurgical problem. Grinding had to be very fine. To recover 90 percent of the gold, the grind was 65 percent minus 10 microns (1,100 mesh).

### **12.0 Mineral Processing and Metallurgical Testing**

No recent work has been completed on mineral processing or metallurgical studies on the ores from the property.

### **13.0 Previous Mineral Resource and Mineral Reserve Estimates**

There is no current NI43-101 compliant mineral resource on the property.

### 14.0 Other Relevant Data and Information

To the author's knowledge there is no other relevant data pertinent to this report.

### **15.0 Interpretation and Conclusions**

McLaren Resources has acquired an option to earn up to a 60% interest in the property from Timginn Explorations Limited. The most recent exploration was conducted in 2011 by McLaren Resources, a 7 hole, 1,387.8 metre, diamond drill program. The best results from the drilling were quartz-carbonate veins with pyrite assaying up to 7.0 grams per tonne(gpt) Au over 7.4 metres(m) in hole MTG-11-04 and 24.20 gpt Au over 1.1 m in MTG-11-02. The property is host to significant Au mineralization that was the location of historic underground workings.

At least five factors indicate the positive gold potential of the TimGinn property.

1) The proximity to three significant past producers and the occurrence on the Timginn property of the ore bearing 63/95 lithological contact.

2) The occurrence of favourable structure in the form of at least two principle faults (5<sup>th</sup> Avenue and Gillies Lake Faults) and later cross faulting.

3) The occurrence of porphyry units, including the Gillies Lake Porphyry, along the properties southeastern boundary.

4) A past gold producer.

5) Positive results from the recently completed drill program with continuity indicated with both the historic mining and the previous diamond drilling.

### **16.0 Recommendations**

All the holes drilled by McLaren encountered numerous quartz-carbonate veins with pyrite. The presence of the veins indicates the opportunity for additional gold zones on the property, both between the known mineralized structures and along strike from the known mineralization. In view of the exploration results to date, it is recommended that further exploration be conducted on the Timginn property.

A diamond drill programme is recommended to follow up on the results of the McLaren drilling from 2011, especially the significant intercept of 7.0 gpt over 7.4 m obtained from hole MTG-11-04.

It is proposed that the auriferous structures be tested at depth below the underground workings and along strike.

A Phase 1 diamond drill programme of 6 holes totaling 2,000 metres is proposed as a test of the potential of the zones delineated to date.

A budget for the recommended programme is shown in the following table.

# 17.0 Proposed Program and Budget

A budget of \$200,000 is proposed for the next phase of drilling on the Timginn property. The location plan of these holes is indicated in Figure 7 as a blue trace. A total of 2,000 metres is recommended.

McLaren Resources Inc.				
Budget	Т	imGinn	Projec	t
		unit	\$/unit	
Diamond Drill contractor		2,000	\$85.00	\$170,000.00
assays		250	\$25.00	\$6,250.00
geologist		20	\$350.00	\$7,000.00
core splitter		25	\$200.00	\$5,000.00
expenses - /day - truck, room and board		25	\$150.00	\$3,750.00
supervision				\$5,000.00
reports				\$10,000.00
<b>T</b> = ( = 1	_	2 500	~	¢207.000.00
I otal		∠,500	m	<b>⊅∠∪</b> 1,000.00

**Table 3 - Proposed Budget** 



Figure 11. Proposed 2012 drilling program (blue traces). 2011 drilling program with geology indicated and the hole ID indicated at the end of hole.

### **18.0 References**

AMEC Earth & Environmental, January 2008, TC71507. Goldcorp Canada Ltd. Hollinger Project Pre-feasibility Environmental Baseline Studies Terrestrial Baseline Report.

Bateman, 2005. Ontario Geological Survey, Open File Report 6158, The Timmins–Porcupine Gold, Camp, Northern Ontario: The Anatomy of an Archaean Greenstone Belt and its Gold Mineralization: Discover Abitibi Initiative

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Card, K. D. Jan 1990. GSC. A Review of the Superior Province of the Canadian Shield, a Product of Archean Accretion. In Precambrian research 48 (1990) 99-156.

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Pyke, D.R., 1982. Ontario Geological Survey Report 219. Geology of the Timmins Area, District of Cochraine.

Rogers, D.S., "CIM Report on Diamond Drilling as an aid in ore definition at the Dome Mine", for presentation at the 83<sup>rd</sup> Annual General Meeting of the C.I.M.M., Calgary - May 1981

Various Years: ERMES (Earth Resources and Minerals Exploration Ontario Web Site - Ministry of Northern Development, Mines and Forestry)

### **19.0 Certificates of Qualifications**

#### KENNETH GUY, P. GEO.

#### **CERTIFICATE of AUTHOR**

I, Kenneth Guy, PGeo(Ont) of Newmarket, Ontario, Canada, do hereby state that:

I reside at 215 Wynford Drive, unit 1401, Toronto, Ontario, Canada M3C 3P5, phone (416)696-0202.

I am currently self-employed as a consulting geologist.

I am a graduate geologist, having graduated from the University of Waterloo, Ontario in 1979, receiving an Hon BSc in Earth Science/geology.

I have been practicing geology as a professional geologist since graduation in 1979.

I am a member of the A.P.G.O. (0241) and a Fellow of the Geological Association of Canada since 1983.

I have read the definition of "qualified person" set out in National Instrument 43-101 and certify that I fulfill the requirements.

This report is based upon my review of relevant previous work not managed or conducted by myself.

I have read National Instrument 43-101 and Form 43-101F1, and the Technical report has been prepared in compliance with that instrument and form.

I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes Technical Report misleading.

I have not received nor do I expect to receive any interest, direct or indirect in the Tisdale project or any of the properties.

I do not own, directly or indirectly, any securities of McLaren Resources Inc., nor am I an insider of the company.

I consent to the use of this report by McLaren Resources Inc.

Dated this 15th day of March 2012

"SIGNED and SEALED" ennetty

Kenneth Guy

ROFES OF G KENNETH GUY PRACTISING MEMBER 0241 ONTAR

# **APPENDIX - I**

# Claim Group Taken from 2011 Mining Land Taxes issued by the Ministry of Northern Development and Mines

	2011 MI	NING LAND TAXES - IM	P <b>ots</b> des d	ROITS	AINIERS		
						Date	2011-Jan-26
Please Return	e make payment payable to the MINIST n payment with one copy of this invoice	IER OF FINANCE. In the envelope provided to:	Envoyez le pa ainsi qu'une c	riement à l' opie de la j	ordre du MINI présente factu	STRE DES FIN Ire dans l'envel	IANCES oppe ci-jointe à:
Ministi 933 Ri (705) ( www.c	ny of Northern Development Mines and Jamsey Laks Road, 3rd Floor, Sudbury, 670-6550 or 1-686-415-8945 - Ext 685 antario.ca/mininglands	Forestry Ontario P3E 6B5 0	Ministère du c 933 chemin R (705) 670-585 www.ontario.c	iéveloppen Jamsey Lai 10 ou 1-888 Ia/miningla	nent du noro, 4 ke, 3 ièmé éla 3-41 <b>6-9845</b> – F más	des mines et de ge, Sudbury, Ó Poste 5850	as forats Intatio P3E 685
			Account / Cor	npte:	C***13	45	
TIMG 84 GL TOR(	INN EXPLORATIONS LIMITED LENCAIRN AVENUE ONTO ON M4R 1M8		Total Annual Tau Impôts annuel	(/ Ba yaa	alance from pr rs / Solde des précédente	evious 7 années s	otal tax due / Impôts total
			\$953.05 manual will be addee	eating pres	\$0.69 oribed rate if pay	ment is not receiv	\$953,05 ved within 60 days
12-account /	Description / Detail	Township/Arca Cantan/Région	\$953.05 Interest will be adde from the date of this pas le palement dan Parcel/ Parcel/ Parcel/	d at the pres invoice. Des a les 60 jour Hectarea/ Hectares	\$0.99 oribed rate if pay is intérêls stojouk is suivant la date Annoal Tax/ Impôts panuels	nment is not receive anont au taux pres de taxiunation. Outstanding Taxi Impôte impayés	\$9\$3,05 ved within 60 days coft si l'on ne reçoit / Total Duc/ Solde
ib-scount / aus-cample 0001	Description / Detail NE1/4 OF N 1/2 LOT 1 CON 2	Township/Area CantanRégian MDLINTJOY &≤422-181	\$953.05 Interest will be adde from the date of this pas le palement dan Parcell Parcelle 23 1052SND	d at the pres invoice. Des les 60 jour Hectares/ Hectares 16,187	\$0.00 sinkörets stajout is sukvant la date Annutal Tax/ Impôte ganuels 64.75	ment is not recei sont au taux pres de facturation. Outstanding Tax Impôls impayés	\$9\$3,05 ved within 60 daya caft si l'on ne receit / Tetal Duc/ Solde D0 64.75
b-account / us-cample 0001 0002	Description / Detail NE1/4 OF N 1/2 LOT 1 CON 2 N PT BRO LOT 12 CON 2	Township/Area Cantan Région MOLINTJOY をミッシュール TISDALE らずックリー・2・18	\$953.05 Interest will be addes from the data of this pas le palement dan Parcet/ Parcet/ Parcet/ Parcet/ 23 10525ND 5 2105ND	d at the pres invoice. Des a les 60 jour Hectares/ Hectares 18.187 64.750	\$0.89 oribed rate if pay initivels striout is suivant la date Annual Tax/ Impôte sunuels 84.75 259.00	ment is not nocei sont au taux pres de tacunation Outstanding Texu Impôls impayés O. ( O. (	\$953.05           ved within 60 days           caft si l'on ne recoit           / Total Due/ Solde           00 64.75           00 259.00
b-scount / pus-cample 0001 0002 0003	Description / Detail WE 1/4 OF N 1/2 LOT 1 CON 2 N PT BRO LOT 12 CON 2 .PT BRO LOT 11 CON 3	Township/Area Canton/Région MDLINTJOY をミッシュールス TISDALE らずックナーの見 TISDALE よごサクスーの見	\$953.05 Interest will be added from the data of this pas le palement dan Parcet/ Parcet/ Parcet/ Parcet/ 23 10525ND 5 2105ND 5 2107W&T	Hactarea/ Hactarea/ Hactarea/ 16.187 64.750 16.188	\$0.89 oribed rate if pay initivels should be a should be a should be a sufficient of the should be garnuels 64.75 259.00 64.75	rment is not rocei sont au taux pres de tecturation. Outstanding Texa Impôts impayés 0. 0. 0. 0.	\$9\$3.05 (1) Total Due/ Solde (2) Solde (2) Solde (
b-secount / us-cample 0001 0002 0003 0004	Description / Detail NE1/4 OF N 1/2 LOT 1 CON 2 N PT BRO LOT 12 CON 2 PT BRO LOT 11 CON 3 SE PT OF BRO LOT 11 CON 3	Townshiplarea CantonRégion MOLINTJOY & 422-187 TISDALE 65404-218 TISDALE 4540ス-037 TISDALE 4540ス-037	\$953.05 Interest will be adde from the data of this pas le palement dan Parcet/ Parcet/ Parcet/ Parcet/ 23 1052SND 25 1052SND 25 210SND 25 5107W&T 20 5109W&T	d at the pres invoice. Des a les 60 jaur Hactarea/ Hactares 16.187 64.750 16.188 16.188	\$0.09 oribed rate if page initivels shouts is suivant la date Annual Tax/ Impôte annuels 84.75 259.00 64.75 64.75	rment is not rocei sont au taux pres de taclunation. Outstanding Text Impôts imparés 0. 0. 0. 0. 0. 0.	\$9\$3.05 (1) Total Due/ Solide (1) Total Due/ Solide (2) Solide (2) Solide
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0001 0002 0004 0006 0006 0006	Description / Detail NE1/4 OF N 1/2 LOT 1 CON 2 N PT BRO LOT 12 CON 2 PT BRO LOT 11 CON 3 SE PT OF BRO LOT 11 CON 3 SW PT S PT LOT 11 CON 3 NW PT BRO LOT 11 CON 2	Томпатириалеа Canton Region MOLINITJOY 65422-187 TISDALE 65404-218 TISDALE 65404-218 TISDALE 65402-081 TISDALE 65402-081 TISDALE 65402-081	\$953.05 Interest will be adde from the data of this pase le palement dam Parcelle Parcelle 23 (0525MD 4.5 2105ND 4.2 5107W&T 20 5109W&T 9 5110W&T 3 9476W&T	d at the pres invoice. Dec les 60 Jaur Hactarea/ Hactarea/ Hactares 18,187 64.750 16,188 15,783 16,187	\$0.09 oribed rate if page initivels shouts is suivant la date annual Tax/ Impôte annuals 04.75 259.00 64.75 64.75 64.75 64.75	rment is not receiven sont au taux pres de facturation. Outstanding Texu Impôts impartis 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	\$9\$3.05 (1) Total Due/ Solde 1) Total Due/ Solde 1) Solde 1)
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# APPENDIX – II DRILL LOGS (2011 PROGRAM)

					Claims title:			Section:	
DDH:	MIG-11-01				Township:	Tisdale		Level:	
					Range:			Work place:	
Drilled by:	Norex Drilling	9			Lot:				
Described by:	Subash Biso	yi			From:	29/11/2011		Description date:	
					To:	04/12/2011			
—Collar ———									
							UTM NAD83	Geology	Geology(calc)
Azimuth:	170.0°					East	476,401.70	1.00	-955.19
Dip:	-65.0°					North	5 369 480 69	1.00	1 317 79
Length:	255.0 r	n				Elevation	212.62	1.00	212.62
						Elevation	315.03	1.00	515.05
-Weighted averages									
Zo	one	From	То	Length	True th.		Au Final ppm		Au Final opt
							(ppm)		(opt)
z		101.0	102.5	1.5	0.1	0.616		0.0180	
z		110.0	111.2	1.2	0.1	3.210		0.0936	
z		216.0	217.5	1.5	0.0	0.598		0.0174	
Description									
Objective:									
1.To intercept 90.4 gpt	over 1.7 meters Gold r	nineralization Zo	ne as revealed fro	m old TimGinn (	drill holes and UG	Workings.			
<ol> <li>∠. i nere is a mineralize</li> </ol>	a zone in Altered Quar	iz ⊢eidspar Porpl	iyry rocks at shall	ow depths.					
Casing pulled.									
Core size:		NQ size core				Cerr	nented: No		Stored: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
Reflex EZ-Shot	0.0	170.0°	-65.0°	No	
Reflex EZ-Shot	27.0	169.1°	-64.7°	No	mag sus = 5677
Reflex EZ-Shot	78.0	172.9°	-63.1°	No	mag sus = 5673
Reflex EZ-Shot	129.0	175.2°	-62.8°	No	mag sus = 5659
Reflex EZ-Shot	180.0	175.3°	-62.6°	No	mag sus = 5673
Reflex EZ-Shot	231.0	177.8°	-62.2°	No	mag sus = 5671

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
0.0	13.2	CAS							
		Casing							
		Casing.Few boulders							
13.2	22.4	V3 alt; ALT++; blk++; SR++; AMY	13.20	15.00	300101	1.80	0.010	0.0003	No
		Mafic volcanic - altered; Altered moderate; Blocky,broken	15.00	16.50	300102	1.50	0.003	0.0001	No
		core,moderate; Sericite moderate; Amygdaloidal	16 50	18.00	300103	1 50	0.003	0.0001	No
		Mafic volcanic - hyaloclastitic	10.00	10.00	000100	1.50	0.005	0.0001	No
		Colour: grey to dark grey with lighter clastics.	18.00	19.50	300104	1.50	0.005	0.0001	NO
		Texture:	19.50	21.00	300105	1.50	0.003	0.0001	No
		Hyaloclastitic texture, ground mass is fine to medium grained.	21.00	22.40	300106	1.40	0.005	0.0001	No
		Blocky, broken core,moderate.							
		Amygdaloidal at places.							
		Bleached flow, brecciated at 15.7 mts.							
		Alteration: Moderate							
		calcite vein 30 mm width at 19.5 m denth							
		Sericitic moderate							
		Structure:							
		Waterseam around 14 mts depth for 30 cms.							
		Calc VN at 19.5 mt, 55 dtca.							
		Upper contact lost in broken core.							
		Lower contact 85 dtca sharp, with QFP alt.							
22.4	38.2	QFP alt; ALT++; CC++; SR+; CL+	22.40	24.00	300107	1.60	0.003	0.0001	No
		Quartz feldspar porphyry - altered; Altered moderate; Calcite	24.00	25.50	300108	1.50	0.003	0.0001	No
		moderate; Sericite weak; Chlorite weak	25.50	27.00	300109	1.50	0.003	0.0001	No
		Colour: grey to dark grey.	27.00	28.50	300110	1.50	0.003	0.0001	No
		Texture:	27.00	20.00	500110	1.00	0.003	0.0001	110
		Medium grained, Porphyritic, euhedral phenocrysts 1-5 mm size of	28.50	30.00	300111	1.50	0.003	0.0001	No
		orthoclase feldsparsand feldspar.Porphyroblastic at places.	30.00	31.50	300112	1.50	0.007	0.0002	No
		Blocky core from from 30 to 32 mts.	31.50	33.00	300113	1.50	0.007	0.0002	No
		22.00 28.20.Wookly failated black chlorite along faliations. At places	33.00	34.50	300114	1.50	0.009	0.0003	No
		52.00 - 50.20.7928kiy lollateu, plack chionie along follations.At places	34.50	36.00	300115	1.50	0.016	0.0005	No
		Purites:Specks 12% 27to 27.5. Patchy purite at 32.8 to 33 mite	36.00	37 50	300116	1 50	0.067	0 0020	No
		Calcite moderate, thin veins from 34.5 to 38.2.	00.00	000			0.007	0.0020	110
		Sericite weak.							
L			1	1		1			

		Decidition				Assay			
		Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG
		Structures: Raft, 30-30.5 mts. Calcite veins 34.4 to 38.2. VN 58 dtca at 34.5;48 dtca at 37.9 mts. Contacts:Upper at 85 dtca.QFP continuing down the hole.							
38.2	50.5	V3 alt; PIL; ALT-; CC+ <b>Mafic volcanic - altered; Pillowed; Altered very weak; Calcite</b> <b>weak</b> Mafic volcanics,pillowed, Colour: dark smoky grey. Texture: Pillowed.Selvages at places.Few vesicles.Foliations weak. Alteration: very weak.Calcite weak and black chlorite veins,mostly along	42.90	43.90	300117	1.00	0.024	0.0007	No
50.5	54.5	foliations. Lower contact 38 dtca. V3 mas; CC++; SR+; CL+ Mafic volcanic - massive texture; Calcite moderate; Sericite weak; Chlorite weak Massive volcanics. Colour: Light grey to faint green.	53.50	54.50	300118	1.00	0.003	0.0001	No
54 5	60.4	Texture: fine to medium grained. foliated.Calcite veins.Stray quartz veinlets. Alterations: Moderate, calcite moderate, sericite weak, black chlorites weak. Upper contact 38 dtca. Lower contact 52.Contacts are sharp.	54 50	55.50	300119	1.00	0.003	0.0001	No
54.5	00.4	V3 att; PIL; SR++; CL+ Mafic volcanic - altered; Pillowed; Sericite moderate; Chlorite weak Mafic volcanics,pillowed, Colour: dark smoky grey. Texture: Pillowed.Selvages at places.Few vesicles.Foliations weak. Alteration: moderate.Sericite moderate. Calcite weak and black chlorite veins,mostly along foliations.	58.50	59.50	3001120	1.00	0.003	0.0001	No
60.4	79.0	V3 mas <b>Mafic volcanic - massive texture</b> Massive volcanics. Colour: Light grey to faint green.	66.00	67.00	300121	1.00	0.003	0.0001	No

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
		Texture: fine to medium grained.							
		foliated.Calcite veins.Stray quartz veinlets.							
		Alterations:							
		Moderate, calcite moderate, sericite weak, black chlorites weak.							
		Upper contact 70 dtca,sharp							
		Lower contact broken.							
79.0	113.9	V3 alt; PIL; CL++; SR++	84.00	85.00	300122	1.00	0.003	0.0001	No
		Mafic volcanic - altered; Pillowed; Chlorite moderate; Sericite	90.00	91.00	300123	1.00	0.003	0.0001	No
		moderate	91.00	92.00	300124	1.00	0.046	0.0013	No
		Mafic volcanics, pillowed,	92.00	93.50	300125	1.50	0.003	0.0001	No
		Colour: light grey	93.50	95.00	300126	1 50	0.003	0.0001	No
		Tavtura	00.00	100.00	000120	1.00	0.003	0.0001	No
		Pillowed Selvages present	99.00	100.00	300127	1.00	0.061	0.0018	INO
		Few vesicles Foliations weak	100.00	101.00	300128	1.00	0.013	0.0004	No
			101.00	102.50	300129	1.50	0.616	0.0180	No
		Alteration:	102.50	104.00	300130	1.50	0.003	0.0001	No
		Alt moderate.Sericite moderate, increases down the hole	104.00	105.50	300131	1.50	0.003	0.0001	No
		Calcite moderate.	105.50	107.00	300132	1.50	0.003	0.0001	No
		Black chlorite veins, mostly along foliations, moderate, patches from	107.00	109 50	200122	1.50	0.003	0.0001	No
			107.00	100.50	300133	1.50	0.003	0.0001	NO
			108.50	110.00	300134	1.50	0.003	0.0001	No
			110.00	111.20	300135	1.20	3.210	0.0936	No
			111.20	112.30	300136	1.10	0.095	0.0028	No
113.9	123.5	V3 alt hya; ALT++; CC++; CL++	114.00	115.50	300137	1.50	0.039	0.0011	No
		Mafic volcanic - altered - hyaloclastitic texture; Altered	115.50	117.00	300138	1.50	0.003	0.0001	No
		moderate; Calcite moderate; Chlorite moderate	117.00	118 50	300130	1.50	0.003	0.0001	No
		Mafic volcanic - altered - hyaloclastitic rock.	117.00	110.50	500159	1.50	0.005	0.0001	NO
		Colour: dark grey.	118.50	120.00	300140	1.50	0.003	0.0001	No
		Texture: Hyaloclastitic, with subhedral to anhedral, fine, glassy debris of	120.00	121.70	300141	1.70	0.009	0.0003	No
		pyroxenes within fine grained groundmass of Basalt.	121.70	123.20	300142	1.50	0.003	0.0001	No
		Alteration:moderate, calcite and chlorite moderate, moderate; crisscut							
		calcite chorite veins, >60% of the area.							
		Chunks of quartz and chlorite patches with calcite in fractures.							
		Upper contact:38 dtca							
		Lower contact 40 dtca.							
123.5	138.8	V3 alt- PII - SR++- CC++	126.30	127 80	300143	1.50	0.003	0.0001	No
120.0	100.0	Mafic volcanic - altered: Pillowed: Sericite moderate: Calcite	120.00	105.00	000144	1.50	0.000	0.0001	
		mane relative - unorally r morrow, contain materiallo, valuito	133.50	135.00	300144	1.50	0.003	0.0001	No

		Description		_		Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
		moderate	135.00	136.50	300145	1.50	0.009	0.0003	No
		Mafic volcanics,pillowed,	137.80	138.80	300146	1.00	0.003	0.0001	No
		Colour: light grey							
		Texture: medium grained, massive.							
		Pillowed.Selvages present,							
		Few vesicles.Foliations weak.							
		Altoration							
		Alt moderate Sericite moderate increases down the hole							
		Calcite moderate							
		Black chlorite veins mostly along foliations.							
138.8	158.6	V3 alt mas; SR+; CC+; CL+	144.00	145.00	300147	1.00	0.003	0.0001	No
		Mafic volcanic - altered - massive texture; Sericite weak;	147.00	148.30	300148	1.30	0.003	0.0001	No
		Calcite weak; Chlorite weak	150 70	152.20	300149	1.50	0.003	0.0001	No
		Colour: grey to buff grey.	150.70	152.20	500149	1.50	0.003	0.0001	NO
		Texture: massive, medium grained.	154.50	156.00	300150	1.50	0.003	0.0001	No
		Alteration:	156.00	157.50	300151	1.50	0.003	0.0001	No
		Sericite weak,	157.50	158.60	300152	1.10	0.003	0.0001	No
		Calcite moderate.							
		Chlorite weak.							
		Pyrite 1-2% from 144 to 145.1							
		Patchy quartzite veins at 147.2m, 42 dtca;							
		Criscut qtz veins at 155.8-16.							
		Upper contact faint 50 dtca							
		lower contact 46 dtca							
158.6	176.6		158.60	160 30	300153	1 70	0.003	0.0001	No
100.0	170.0	Quartz faldenar normhvru: Maseive: Saricite veru week:	100.00	100.00	000155	1.70	0.000	0.0001	110
		Purite very weak	160.30	162.00	300154	1.70	0.003	0.0001	No
		Quartz feldspar porphyry.	162.00	163.60	300155	1.60	0.003	0.0001	No
		Colour: greyish green to greenish grey.	163.60	165.00	300156	1.40	0.014	0.0004	No
			165.00	166.50	300157	1.50	0.003	0.0001	No
		Texture:massive,hardness 4-5;	166.50	168.00	300158	1.50	0.003	0.0001	No
		medium grained, smoky quartz and orthclase felspars as phenocysts,	168.00	169.50	300159	1.50	0.003	0.0001	No
		POB in places 161.6-161.8	169 50	171.00	300160	1.50	0.003	0.0001	No
			171.00	172.50	300161	1.50	0.003	0.0001	No
		Structure: Carbonated quartz veins, calcite veins, few black chlorite	171.00	1/2.30	10100	1.50	0.003	0.0001	INO
		veinlets.							

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
		Alteration: weak.	172.50	174.00	300162	1.50	0.003	0.0001	No
		Sericite very weak.	174.00	175.50	300163	1.50	0.003	0.0001	No
		Pyrite very weak.	175.50	177.00	300164	1.50	0.003	0.0001	No
		Qtz vein 25mm wide at 158.6 contact zone with V3 alt.							
		Qtz vein 25mm wide at 158.8,43 dtca							
		Few small quartvein patch 10 cms wide from 157.5 to 160.Not a vein							
		system.							
		QFP contacts are faint, upper contact 46 dtca.Lower contact 50 dtca.							
176.6	185.2	V3 alt mas	177.00	178.50	300165	1.50	0.003	0.0001	No
		Mafic volcanic - altered - massive texture	178.50	180.00	300166	1.50	0.003	0.0001	No
		Mafic volcanic - altered	182.00	183.00	300167	1.00	0.006	0.0002	No
		Colour:light green.	102.00	105.00	300107	1.00	0.000	0.0002	110
		Texture: massive, medium grained.	185.00	186.50	300168	1.50	0.003	0.0001	No
		Alteration:							
		Sericite weak,							
		Calcite moderate.							
		Chlorite weak.							
		Upper contact faint, 46 dtca.							
		Lower contact sharp, 50 dtca.							
185.2	187.8	QFP; CC++; SR+	186.50	188.00	300169	1.50	0.003	0.0001	No
		Quartz feldspar porphyry; Calcite moderate; Sericite weak							
		Colour: grey to dark grey.							
		Texture:							
		Medium grained,hard, 4-5.							
		Porphyritic, euhedral phenocrysts 1-2 mm size of orthoclase feldspars							
		and smoky quartz.							
		Alteration:							
		Calcite moderate.Sericite weak.							
		Structures:							
		VN at 186 mts, 58 dtca.							
		VN at 187.6, 55 dtca							
		Contacts:Upper at 50 dtca.lower contact 62 dtca							
187.8	198.2	V3 alt mas; SR+; CC++; CL+	188.00	189.00	300170	1.00	0.003	0.0001	No
		Mafic volcanic - altered - massive texture; Sericite weak;							
		Calcite moderate; Chlorite weak							
		Mafic volcanic - altered - massive							
		Colour:light green to buff grey.							

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
		Texture: massive,medium grained.							
		Alteration:							
		Sericite weak,							
		Calcite moderate.							
		Chlorite weak, along veins.							
		Patchy pyrite from 193.25-193.75							
		Lower contact faint, 56 dtca							
198.2	204.0	V3 alt mas; C; CC++	199.50	201.00	300171	1.50	0.003	0.0001	No
		Mafic volcanic - altered - massive texture; Carbonaceous;	201.00	202.50	300172	1.50	0.007	0.0002	No
		Calcite moderate	202.50	204.00	300173	1.50	0.363	0.0106	No
		Mafic volcanic - altered							
		Colour: gark grey to black.							
		Texture:Fine grained,massive, basaltic rock.							
		Alterations:							
		Carbonaceous, moderately calcitic.							
		Quartz vein 25 mm wide at 200.5 mts.80 dtca.							
		VN at 200, 80 dtca.							
004.0	000.0		004.00	005 50	000174	1.50	0.000	0.0004	N
204.0	226.2	V3 alt; MAS; CC++; SR++	204.00	205.50	300174	1.50	0.003	0.0001	INO
		manc voicanic - aitered; massive; Caicite moderate; Sencite	211.00	212.20	300175	1.20	0.009	0.0003	No
		moderate	216.00	217.50	300176	1.50	0.598	0.0174	No
		Colour: light green to buff grey	217.50	219.00	300177	1.50	0.008	0.0002	No
		Texture: medium grained massive, hardness around 4-5	221.00	222.00	300178	1.00	0.003	0.0001	No
		Alterations:							
		Moderately sericitic moderately calcitic.							
		Siliceous from 220-220.5 mts.							
		Structures:							
		Calcite veins at 205, 38 dtca; at 205.2, 38 dtca and at 206, 80 dtca.							
		Quartz vein at 211.5 mts, 65 dtca with calcite and chlorite at the rims.							
226.2	255.0	V3 alt; PIL; CC+; SR+	228.15	229.65	300179	1.50	0.003	0.0001	No
		Mafic volcanic - altered; Pillowed; Calcite weak; Sericite	229.65	231 15	300180	1 50	0.003	0.0001	No
		weak	004.45	000.50	000100	1.00	0.000	0.0001	No
		Mafic volcanic - altered.	231.15	232.50	300181	1.35	0.003	0.0001	INO
		Colour:Light green.	232.50	234.00	300182	1.50	0.003	0.0001	No
		Texture: medium grained, massive, hardness 4-4.25. Pillowed. Sevages at	248.40	249.85	300183	1.45	0.003	0.0001	No
		places.	252.00	253.50	300184	1.50	0.003	0.0001	No
		Alteration:	253.50	255.00	300185	1.50	0.003	0.0001	No
		Calcite weak, calcite veinlets 10% of the area.							
		Sericite weak.							

Description				Assay			
	From	То	Number	Length	Au Final	Au Final opt	VG
					ppm (ppm)	(opt)	
Structures:					(PP)		
Mostly calcite veinlets 40-48 dtca.							
Quartz veinlets at 240.1,246.2 and 249,5, mostly 40-45 dtca.							
Quartz vein 10 cm wide from 248.9 to 249.1, contact sharp 80 dtca/48							
dtca(upper/lower contact).							
Upper contact:55 dtca.							
Eower contact: continuing.							
255.0 End of DDH	1	1	1	1	1	1	1
Number of samples: 85							
Number of QAQC samples: 0							
Total sampled length: 119.1							

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
15.7	BRF++ - Brecciated moderate					
18.0	VN - Vein	32				
22.5	VN - Vein	35				
32.0	BLK+++ - Blocky Core Strong					
37.9	VN - Vein	48				
38.5	CNT - Contact	38				
43.5	VN - Vein	58				
48.5	VN - Vein	48				
50.5	PIL - Pillowed					
51.0	VN - Vein	32				
54.5	CNT - Contact	52				
56.5	VN - Vein	55				
58.0	PIL - Pillowed					
60.4	CNT - Contact	70				
62.0	VN - Vein	30				
65.0	FOL+ - Foliation weak	45				
68.0	FOL - Foliation	46				
70.3	FOL+ - Foliation weak	42				
78.6	PIL - Pillowed					
85.0	PIL - Pillowed					
87.0	VN - Vein	45				
89.3	VN - Vein	55				
100.2	SHR++ - Sheared moderate					
103.0	PIL - Pillowed					
103.5	VN - Vein	48				
104.1	VN - Vein	56				
105.2	PIL - Pillowed					
107.8	PIL - Pillowed					
110.3	SCH - Schistose					
111.6	PIL - Pillowed					
112.3	VN - Vein	48				
114.0	VN - Vein	50				
123.0	VN - Vein	30				

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
138.0	VN - Vein	32		Core_Angle		
138.8	CNT - Contact	50				
155.0	VN - Vein				cris-cut	
155.8	VN - Vein	42				
158.8	CNT - Contact	46				
165.4	VN - Vein	44				
176.6	CNT - Contact	50				
185.0	VN - Vein	34				
185.2	VN - Vein	55				
198.0	CNT - Contact	56				
200.5	VN - Vein	80			25 mm wide qtz.	
206.0	VN - Vein	80				
211.5	VN - Vein	65			25 mm	
226.2	CNT - Contact	55				
240.0	VN - Vein	40				
246.2	VN - Vein	44				
249.0	VN - Vein	46				
254.0	VN - Vein	48				

	MTC 11 02				Claims title:			Section:	
	MTG-11-02				Township:	Tisdale		Level:	
					Range:			Work place:	
Drilled by:	Norex drilling	1			Lot:				
Described by:	Subash Biso	, yi			From:	04/12/2011		Description date:	
					То:	05/12/2011			
—Collar —									
							UTM NAD83	Geology	Geology(calc)
Azimuth:	180.0°					East	476,350.04	1	-1,006.85
Dip:	-45.0°					North	5 260 462 00	4	1 200 10
Length:	119.8 r	n					5,509,402.09		1,299.19
						Elevation	313.43	1	1.00 313.43
—Weighted averages									
Z	one	From	То	Lenath	True th.		Au Final pom		Au Final opt
				Ū			(ppm)		(opt)
z		40.0	50.5	10.5	0.0	0.973		0.0284	
z		78.2	79.3	1.1	0.0	24.200		0.7058	
7		111.3	112.8	1.5	0.0	0.840		0.0245	
-									
Description									
Objective: To intersect	17.1 gpt/2.1 mts at 60 r	nts and 29.7 gpt/	1.4 mts around 20	0 mts depth as	revealed from hist	orical holes.			
Results: Got visible gol	d at 79 mts.Frequent qu	Lartz veins rom 6	0 to 114.8 mts.						
Hole ended in UGO at	119.8 meters depth.Las	at 5 mts is UGO.							
+2 mus or parrels includ	ang core parrels were le	at in the noie.							
Casing pulled.									
Core size:		NQ size core				Cen	nented: No		Stored: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
At collar	0.0	180.0°	-45.0°	No	
Reflex EZ-Shot	27.0	178.8°	-45.1°	No	mag sus = 5675
Reflex EZ-Shot	75.0	181.7°	-43.5°	No	mag sus = 5675

				Description	Assay           From         To         Number         Length         Au Final         Au Final opt         V						
				Description	From	То	Number	Length	Au Final	Au Final opt	VG
									ppm	(opt)	
									(ppm)		
0.0		12.0		CAS; OB							
				Casing; Overburden							
				0-12 mts. Casing							
12.0		16.7		OB							
				Overburden							
				Over burden.Compact tailings with cobbles.							
16.7		49.5		V3 flw; ALT++; CC+++; SR++	19.50	20.70	300186	1.20	0.006	0.0002	No
				Mafic volcanic - flow texture; Altered moderate; Calcite							
				strong; Sericite moderate							
				Altered Volcanics.							
				Colour: light green,gre,dark grey as rate of alteration chages along the							
				hole.							
				Blocky at many places.pillows and flows.							
				Selvages at few places.							
				Alterations:Moderate, stronly calcitic							
				Moderate Sericite.							
				22.5-30 blocky core++, CC++.							
				30.4-34 dark grey, massive, medium grained.CC+++.Veins criss-cut.							
				Sericite increases downwards.							
				39-48mts: buff grey, massive, medium grained. SR++.							
				A patch of chlorite at 43.5,CC++.							
				39.5 blocky+.							
				41-42 blocky+++.							
				49.5 Quartz vein 55 dtca.							
	22 E		20.4		26.00	27.00	200197	1.00	0.003	0.0001	No
	22.5		30.4	Block Core Moderate: Broodated week	20.00	27.00	500107	1.00	0.003	0.0001	NO
				V3 flow with mederately blocky core strong locally Altered++ CC+	28.50	30.00	300188	1.50	0.003	0.0001	No
				+	43.50	44.50	300189	1.00	0.003	0.0001	No
				Brecciated from 23 5-24 mts	46.30	47.30	300190	1.00	0.003	0.0001	No
					49.00	50.50	300191	1.50	6.810	0.1986	No
10.5		60.0									
49.5		60.0		F12; V3; BLK; CC++; SK+							
				raul zuno, walic volcanic (unumerenualeu), diucky, droken							
				And							
				Dak grev to black colour Blocky core+++							
				Alteration:							
				Calcite+ Sericitic +							
11											

			Description	Assay								
			Description	From	То	Number	Length	Au Final	Au Final opt	VG		
							_	ppm	(opt)			
								(ppm)				
			Quartz vein at 49.5, 55dtca; at 57 mts, patchy.		1	1	1					
49	1.5	60.0	FTZ+++	55.00	56.00	300192	1.00	0.003	0.0001	No		
			Fault Zone strong	57.00	58.00	300193	1.00	0.005	0.0001	No		
			A fault zone within V3 flow rocks.Blocky core+++.Veined,CC++,SR+	01.00	00.00	000100	1.00	0.000	0.0001			
			Thin clay coated fractures.									
30.0	114.	.8	V3 flw; ALT++; CC+++; SR++	60.90	61.90	300194	1.00	0.009	0.0003	No		
			Mafic volcanic - flow texture; Altered moderate; Calcite	66.00	67.50	300195	1.50	0.003	0.0001	No		
			strong; Sericite moderate	74.00	75.00	200106	1.00	0.003	0.0001	No		
			Mafic volcanics,flows.	/4.00	75.00	300190	1.00	0.005	0.0001			
			Light green to buff grey colour.	75.00	76.50	300197	1.50	0.003	0.0001	No		
			Textures:	76.50	78.20	300198	1.70	0.003	0.0001	No		
			Medium grained. Foliated++, fractured+. Veined with calcite and chlorite in	78.20	79.30	300199	1.10	24.200	0.7058	No		
			fractures	79.30	81.00	300200	1.70	0.025	0.0007	No		
			Alterations:Moderate.	81.00	82.00	300201	1.00	0.005	0.0001	No		
			Sericite moderate, Calcite strong, Chlorite very weak mostly fracture	01.00	02.00	300201	1.00	0.000	0.0001			
			fillings.	82.00	83.50	300202	1.50	0.003	0.0001	NO		
			Structures:	87.60	88.60	300203	1.00	0.003	0.0001	No		
			Foliated,fractured at places.Sheared locally.	93.00	94.50	300204	1.50	0.011	0.0003	No		
			Numerous quartz veins, 1-1c cm wide.	94.50	96.00	300205	1.50	0.003	0.0001	No		
			Qtz VN at 61.548 dtca, at 61.745 dtca, at 65.946 dtca.	96.00	97.50	300206	1.50	0.008	0.0002	No		
			Qtz VN at 74.546 dtca,at 77.838 dtca.	00.00	400.50	000200	1.50	0.005	0.0001	No		
			Qtz vein with visible gold at 78.9 mts.	99.00	100.50	300207	1.50	0.005	0.0001	INU		
			Pyrite 2-5% dispersed, locally more % along foliation planes.	100.50	102.00	300208	1.50	0.003	0.0001	No		
			Qtz vein at 81.5, 10 cm wide46 dtca.	110.00	111.30	300209	1.30	0.028	0.0008	No		
			Selvages from 87.5-88.2.	111.30	112.80	300210	1.50	0.840	0.0245	No		
			Qtz vein at 88.6 48 otca with chiorite in fractures.									
			Chionte veiniets increase down me noie from 60.0 mits.									
			94-114.8 flow texture. Carcile veins.									
1/1 8	119	) Q	100									
14.0	110.0	3										
			UGO from 114.8 to 119.8									
			Hole abandoned due to squeezing around above UGO									
			Find of hole at 119.8									
			12 mts of barrels were left in the hole									

#### 119.8 End of DDH

Number of samples: 25 Number of QAQC samples: 0 Total sampled length: 32.5

			Structure_Point_Data		
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments
				Core_Angle	
16.8	WS - Water Seam				
22.5	BLK+ - Blocky Core weak				
23.5	BLK+++ - Blocky Core Strong				
29.0	BLK - Blocky Core				
39.5	BLK+ - Blocky Core weak				
40.8	BLK+++ - Blocky Core Strong				
44.8	BLK+++ - Blocky Core Strong				
49.5	BLK+++ - Blocky Core Strong				
49.5	FTZ++ - Fault Zone moderate				
54.0	FTZ++ - Fault Zone moderate				59.5-54, continuing.
57.0	VN - Vein				Qtz, patchy
61.5	VN - Vein	48			Qtz vein
61.7	VN - Vein	45			Qtz vein
62.0	FOL++ - Foliation moderate				
65.9	VN - Vein	46			Qtz vein
74.5	VN - Vein	46			Qtz vein
74.5	FOL+++ - Foliaiton strong				
77.8	VN - Vein	38			Qtz vein
77.9	FOL+++ - Foliaiton strong				
79.0	VN - Vein	80			Qtz vein,VG.
81.5	VN - Vein	80			Qtz vein,10 cms.
88.6	VN - Vein	78			Qtz vein
90.4	FRC - Fracture				
93.0	FRC - Fracture				
94.0	FOL++ - Foliation moderate				
94.7	VN - Vein	46			
100.3	VN - Vein	46			Qtz vein
100.5	VN - Vein	45			
103.0	VN - Vein	44			Qtz vein
110.9	VN - Vein	37			Qtz vein
112.5	VN - Vein	40			Qtz vein
113.6	VN - Vein	50			

ррн.	MTG-11-03				Claims title:			Section:	
					Township:	Tisdale		Level:	
					Range:			Work place:	
Drilled by:	Norex Drilling	)			Lot:				
Described by:	Subash Bisoy	yi			From:	06/12/2011		Description date:	
					To:				
—Collar —									
							UTM NAD83	Geology	Geology(calc)
Azimuth:	180.0°					East	476,350.20	1.00	-1,006.69
Dip:	-65.0°					North	5 369 462 67	1 00	1 299 77
Length:	327.0 n	n				Flovetion	212.10	1.00	212.10
						Elevation	515.16	1.00	313.10
-Weighted averages									
Z	one	From	То	Length	True th.		Au Final ppm		Au Final opt
_		184 0	187.0	3.0	0.1	4 100	(ppm)	0 1196	(opt)
z		104.0	107.0	0.0	0.1	4.100		0.1100	
Description									
Objective: To intersect	the gold mineralization a	zones revealed f	om historical hole	e logs.					
To GO under the UGO	to intersect the second	mineralization zo	ine.						
Casing left in the hole.	Capped. Top of casing	approx 20cm be	low surface level.						
Core size:		NQ size core				Cen	nented: No		Stored: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
Reflex EZ-Shot	0.0	180.0°	-65.0°	No	At collar
Reflex EZ-Shot	27.0	180.1°	-64.7°	No	mag sus = 5670
Reflex EZ-Shot	78.0	179.8°	-63.9°	No	mag sus = 5692
Reflex EZ-Shot	129.0	182.9°	-63.0°	Yes	mag sus = 5700
Reflex EZ-Shot	180.0	184.7°	-62.1°	No	mag sus = 5672
Reflex EZ-Shot	231.0	187.7°	-61.4°	No	mag sus = 5675
Reflex EZ-Shot	282.0	185.9°	-61.6°	No	mag sus = 5654
Reflex EZ-Shot	327.0	187.9°	-60.5°	No	mag sus = 5663

				Description	Assay						
				Description	From	То	Number	Length	Au Final	Au Final opt	VG
									ppm (ppm)	(opt)	
0.0		15.6		CAS							
				Casing							
				Casing.							
15.6		19.2		QFP; BLK; ALT++; CC+							
				Quartz feldspar porphyry; Blocky, broken core; Altered							
				moderate; Calcite weak							
				Quartz feldspar Porphy,moderately altered.							
				Blocky core 80%. Feldspar phenocrysts, porphyroblast locally.							
				Lower contact 38 dtca with V3 flows.							
	15.6		22.0	FTZ+++							
				Fault Zone strong							
				A fault zone immediately after casing upto 22 mts strong. QFP from							
				15.6 to 19 mts.V3 flow afterwards.							
19.2		31.0		V3 flw; FTZ alt; BLK; SR++; CC+++							
				Mafic volcanic - flow texture; Fault zone - altered; Blocky,							
				broken core; Sericite moderate; Calcite strong							
				Mafic Volcanic flow.A fault zone.							
				Light green clour.							
				Texture:							
				Medium grained.Blocky+++.							
				Alterations:							
				Sericite moderate,Calcite strong.							
				Water seam at upper contact at 19.2 mts.							
	22.0		24.0	FTZ+	24.00	25.00	300211	1.00	0.003	0.0001	No
				Fault Zone weak 80°	30.00	31.00	300212	1.00	0.003	0.0001	No
				Fault zone in V3 flow rocks.							
31.0		33.5		FTZ; V3 flw; ALT++; BLK							
				Fault zone; Mafic volcanic - flow texture; Altered moderate;							
				Blocky, broken core							
				Fault zone from 31-33.5 mts.Blocky core 60%.							
				Rock type is mafic volcanic flows,green to dark grey colour, medium							
				grained.							
				Strongly altered.							
33.5		54 0		V3 flw: AI T++: CC+++: SR++: IN I+	33 50	35.00	300213	1.50	0.003	0.0001	No
		01.0		Mafic volcanic - flow texture: Altered moderate: Calcite	05.00	00.50	000014	4.50	0.000	0.0001	Ne
				strong; Sericite moderate; Injected weak	35.00	36.50	300214	1.50	0.003	0.0001	NO

				Description	Assay						
				Description	From	То	Number	Length	Au Final	Au Final opt	VG
									ppm	(opt)	
									(ppm)		
				Mafic Volcanic Flows.Strongly altered.	36.50	38.00	300215	1.50	0.003	0.0001	No
				Colour: light green to buff grey.	38.00	39.00	300216	1.00	0.003	0.0001	No
				Textures: Medium grained, injections with numerous calcite veinlets.							
				Alterations:							
				Strongly altered.							
				Strongly Calcitic, Moderately Sericitic.Sericite srong from 33.5-47.8 mts.							
				Qyartz-Calcite veins numerous.							
				Structures:							
				Injections.mostly Calcites prominent from 33.5-47.80 mts.							
				Fracture core, 70% from 46-47.8 mts.							
				47.00-54.00							
				Light green to buff grey.							
				Medium grained.Flow texture.Selvages locally.							
				Alterations:							
				Calcite +++, Sr++,							
	46.0		47.8	FRC	46.30	47.80	300217	1.50	0.003	0.0001	No
				Fracture	47.80	49.50	300218	1.70	0.003	0.0001	No
				Fractured zone with strong injections, but not broken.	49.50	51.00	300219	1.50	0.003	0.0001	No
	51.0		52.6	QV	51.00	52.60	300220	1.60	0.003	0.0001	No
				Quartz Vein							
				A zone of random quartz veins, often clacite in rims. Tourmalines							
				present.							
				Can not be called Qtz-To breccia.							
54.0		72.0		V3 flw	59.60	60.90	300221	1.30	0.008	0.0002	No
				Mafic volcanic - flow texture	60.90	62.00	300222	1.10	0.003	0.0001	No
				Mafic volcanic flows, less altered.							
				Colour:Light green.							
				Texture: Flows,massive,hard -5,medium grained.							
				Alterations:							
				Chlorite+.							
1				CC+							
1				Numerous quartz veins with calcite at the rims.							
				Qtz carbonate vein at 66.3 mts.							
1	62.0		62.9	QV	62.00	63.20	300223	1.20	0.003	0.0001	No
1				Quartz Vein 48°	66.00	67.00	300224	1.00	0.013	0.0004	No
				utz veins, random, locally with chlorites and calcite in rims.							

				Description				Assay			
				Description	From	То	Number	Length	Au Final ppm (nom)	Au Final opt (opt)	VG
e	36.2		66.8	OV					(ppiii)		
			00.0	Quartz Vein 50°							
				Quartz veis,random with Tourmaline.Calcite in rims, locally.							
72.0		105.5		V3 flw: ALT++: CL++	72.50	74.00	300225	1.50	0.022	0.0006	No
				Mafic volcanic - flow texture: Altered moderate: Chlorite	75.50	77.00	300226	1 50	0.003	0.0001	No
				moderate	75.50	11.00	300220	1.50	0.003	0.0001	NO
				Mafic Volcanic flows.							
				Colour: Greyish green.							
				Textures: Flows.Selvages present.							
				Medium grained.Foliated low angled 22-25 dtca.							
				Alterations:							
				Moderately altered.							
				Moderate chlorite and weak calcite.							
				Pyrite 1-2 % dispersed from 76 to 77.2 mts. This zone is fractured with							
				chlorite veins along core axis.							
7	76.0		77.2	FRC	77.00	78.00	300227	1.00	0.003	0.0001	No
				Fracture	80.70	82.20	300228	1.50	0.003	0.0001	No
				A fractured zone within V3 flows with pyrite dispersions 1-2%.	89.00	90.00	300229	1.00	0.003	0.0001	No
					90.00	91.20	300230	1.20	0.003	0.0001	No
					91.20	92.60	300231	1.40	0.003	0.0001	No
					06.00	07.00	300232	1.00	0.006	0.0002	No
					50.00	97.00	500252	1.00	0.000	0.0002	110
					104.50	105.50	300233	1.00	0.003	0.0001	No
105.5		107.9		V3 mas; MGR; ALT-; CC+							
				Mafic volcanic - massive texture; Medium grained; Altered							
				very weak; Calcite weak							
				Mafic Volcanics.							
				Colour:light green.							
				l extures:Massive.Hardnes 5-6,medium grained.							
				Alterations.weak.							
				Upper contact 55 dtca							
107.9		128 /		V/2 flue DII - AMV- CC111	108.00	109 50	300234	1 50	0.003	0.0001	No
107.9		120.4		vo iiw, ric, awit, comm	100.00	103.30	000204	1.50	0.003	0.0001	
ll I				strong	120.00	121.00	300235	1.00	0.003	0.0001	No
ll I				Colour: light green to buff grey.	123.10	124.60	300236	1.50	0.003	0.0001	No
ll I				Textures: Medium grained, numerous calcite veinlets.	124.60	125.80	300237	1.20	0.003	0.0001	No
				123 to 128.4: Pillowed, some big pillows, 2/3 cms with sharp chilled							
				margins.selvages locally.Amygdaloidal.							
				· · · · · · · · · · · · · · · · · · ·							

	Decedetter				Assay			
	Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG
128.4 132.7	Alterations: weakly altered. Strongly Calcitic, weakly chloritic. Upper contact:55 dtca. Lower contact 67 dtca. V3 mas; APH; SI+; CC+ Mafic volcanic - massive texture; Aphanitic; Silicified weak; Calcite weak Mafic Volcanics.Siliceous,but weak. Colour: light green. Texture: Fine grained, greenish sheen. Alterations: Silicification weak to moderate. Calcite weak, only veinlets, 30-35 dtca.							
129.0 129.4 132.7 154.5 154.5 180.0	FRC     Fracture     Fredured with cris-cut calcite veins.     V3 mas; MGR; CC+     Mafic volcanic - massive texture; Medium grained; Calcite     weak     Mafic Volcanics,massive.     Colour:greenish grey.     Textures: Medium grained,massive,hard 5-6.compact.     Alterations:     Unaltered mostly.weakly calcitic.     Strongly calcitic along veinlets which are frequent mostly steep     angled,65-70 dtca.     V3 flw; ALT++; CC++; CL+     Mafic volcanic - flow texture; Altered moderate; Calcite     moderate; Chlorite weak Mafic Volcanic Flows. Colour: dark grey. Textures: Medium grained,massive,flows. Pillowed locally.	132.70 141.00 148.60	133.70 142.50 149.60	300238 300239 300240 300241	1.00 1.50 1.00	0.003 0.003 0.003	0.0001 0.0001 0.0001	No No

			Description	Assay								
			Description	From	То	Number	Length	Au Final	Au Final opt	VG		
								ppm	(opt)			
								(ppm)				
			Moderately altered, Calcite moderate, Chlorite weak mostlt associated with									
			calcite veinlets.									
			Quartz carbonate Veins at 154.8-155.10, 159.2-160.5 and from 164.8 to									
			165 mts.									
			Upper contact sharp 87 dtca.									
			Continuing V3 flows.									
			Quartz carbonate vein at 169,7-70 dtca.									
			Numeours calcite veins.Recorded in structure point table.									
154	1.8	155.1	QV	158.30	159.80	300242	1.50	0.113	0.0033	No		
			Quartz Vein									
			Quartz carbonate vein.									
159	9.2	160.5	QV	159.80	161.00	300243	1.20	0.003	0.0001	No		
			Quartz Vein	163.50	165.00	300244	1.50	0.003	0.0001	No		
			Quartz Carbonate Vein.									
164	1.8	165.0	QV	170.50	172.00	300245	1.50	0.006	0.0002	No		
			Quartz Vein									
			Quartz Carbonate Vein.									
180.0	216.8		V3 flw; PIL; AMY; CC++; PY+; QV	181.00	182.50	300246	1.50	0.098	0.0029	No		
			Mafic volcanic - flow texture; Pillowed; Amygdaloidal; Calcite									
			moderate; Pyrite weak; Quartz vein									
			Mafic Volcanic flows, Pillowed.									
			Colour:Dark grey to black.									
			Textures: Flows, Pillowed, selvages locally.									
			Amygdaloidals filled with smoky quartz or felspars.									
			Fine to medium grained.									
			Alterations: very Weak.									
			Pervasively calcitic.Numerous calcite veinlets, steep angled 58-70 dtca.									
			Chorite weak, along fractures along core axis.									
			Prominent Quartz veins:									
			182.2-182.4 - 30/70 dtca.									
			188.8-189.2 - 30/60 dtca.									
			189.5-190 - 80/53 dtca									
			203-204 fracture.									
			203-203.3 - 50 dtca									
			211.6-212 - 45/50 dtca.									
			Other narrow Quartz carbonate veins are									
			at 191.8> 40 dtca;									
			at 213.35> 60 dtca and at 213.8> 60 dtca.									

	Description				Assay			
	Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG
Pyrites: 181-193: 1-2' 195-199.5: 1- 201.5-203:1- 204.3-205.3: 240.216.9: 1	% locally 5% in veins. -2% locally 5-7% in veinlets and fractures. 3%,locally 10% in qcb veins. 1-3%							
210-216.8: 1- Pyrites are no flow,pillowed Quartz veins The zone fror form,specks a	-3%,locally 5%.in vein area. ot found inside the quartz veins but in host rocks of V3 basalts. are milky white often with calcite at the rims. m 181-216.8 is mineralized with pyrites in laminated anf very few small cubes.An area to look for.							
182.2 182.4 QV Quai Quai	<b>rtz Vein 30°</b> rtz carbonate vein 30/70 dtca.	182.50 184.00 185.50 187.00 188.50 190.00 191.50 195.00 196.50 198.00	184.00 185.50 187.00 188.50 190.00 191.50 193.00 196.50 198.00 199.50	300247 300248 300249 300250 300251 300252 300253 300254 300255 300256	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	0.023 4.560 3.640 0.027 0.014 0.087 0.033 0.010 0.018 0.006 0.005	0.0007 0.1330 0.1062 0.0008 0.0004 0.0025 0.0010 0.0003 0.0005 0.0002	No No No No No No No
203.0 203.2 QV Quar Quar	rtz Vein 50°	201.50	203.20	300237	1.70	0.005	0.0001	NU
203.2 204.0 FRC Frac	tured,but not broken core in V3 flow pillowed rock.	204.30 210.00 211.10	205.00 211.10 212.60	300258 300259 300260	0.70 1.10 1.50	0.003 0.013 0.025	0.0001 0.0004 0.0007	No No No
211.6 212.0 QV Quar Quar 216.8 261.0 V3Mg; PIL; A Mg tholeittic r	<b>rtz Vein</b> rtz carbonate vein. NLT-; CC+ <b>mafic volcanic; Pillowed; Altered very weak;</b>	212.60 213.80 215.30 218.00 220.50	215.30 215.30 216.80 219.00 221.60	300261 300262 300263 300264 300265	1.50 1.50 1.00 1.10	0.003 0.006 0.011 0.005	0.0001 0.0002 0.0003 0.0001	No No No No

	Description				Assay							
		Description	From	То	Number	Length	Au Final	Au Final opt	VG			
							ppm	(opt)				
							(ppm)					
		Calcite weak	221.60	222.60	300266	1.00	0.003	0.0001	No			
		Magnessium tholeiitic mafic volcanic rock.	222.60	223.60	300267	1.00	0.027	0.0008	No			
		Colour:Light green.	221.00	222.50	200269	1.50	0.002	0.0001	No			
		Textures:Fine to medium grained, glassy lustre, Pillowed, selvages locally.	231.00	232.50	300268	1.50	0.003	0.0001	INO			
			232.50	234.00	300269	1.50	0.003	0.0001	No			
		Alterations: Very weak except selvage area where calcite is moderate to	247.80	248.80	300270	1.00	0.003	0.0001	No			
		strong.	258.00	259.30	300271	1.30	0.008	0.0002	No			
		Chlorites weak, mostly fracture filled.										
		Few carbonate veinlets.										
		One narrow quartz carbonate vein at 233.1, 38 dtca.										
		Pyrites: very weak. from 231-1-234 and from 247.8-248.8 -1-2% along										
		veins.										
261.0	268.0	V3; PIL; ALT-; CC++; CL+	261.00	262.00	300272	1.00	0.014	0.0004	No			
		Mafic volcanic (undifferentiated); Pillowed; Altered very	266.80	268.00	300273	1.20	0.005	0.0001	No			
		weak; Calcite moderate; Chlorite weak										
		Mafic volcanics, pillowed.										
		Colour:Greyish green.										
		Texture:Pillowed, selvages and amygdaloidal locally with chill margins.										
		medium grained, faintly foliated-38-40 dtca, filled with calcite.										
		Chlorite veins cut across the foliations.										
		Alterations: Very weak.										
		Calcite moderate, mostly along foliations and local fractures, criss cut.										
		Chorite veins across calcite veins,overal weak.										
		Pyrite rare, laminated along the core axis, locally 2-5% at very few fracture										
		places, along fractures.										
268.0	270.0	UGO										
		Underground opening										
		Underground opening.										
270.0	327.0	V3; PIL; AMY; ALT-; CC++; CL+	270.00	271.50	300274	1.50	0.007	0.0002	No			
		Mafic volcanic (undifferentiated); Pillowed; Amygdaloidal;	271 50	272 50	300275	1.00	0.003	0.0001	No			
		Altered very weak; Calcite moderate; Chlorite weak	200 70	204.00	200276	1.50	0.000	0.0001	Ne			
		Mafiv Volcanics, Pillowed.	202.70	264.20	300276	1.50	0.003	0.0001	INO			
		Mafic volcanics,pillowed.										
		Colour:Greyish green.										
		Texture:Pillowed, selvages and amygdaloidal locally with chill margins.										
		medium grained, faintly foliated-38-40 dtca, filled with calcite.										
		Chlorite veins cut across the foliations.										
		Alterations: Very weak.										
		Calcite moderate, mostly along foliations and local fractures, criss cut.										

	Description				Assay							
			Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG		
	Chorite veins across calcite veins, overal weak.											
			Pyrite rare, laminated along the core axis, locally 2-5% at very few fracture									
			places,along fractures.									
			Quartz carbonate veins:									
			266.1 mts - 60 dtca									
			283-283.2 mts - 45 dtc									
			283.6-283.7 - 70 dtca.									
			305.5 - 48 dtca									
			318.2 - 70 00Ca									
			323.3 - 323.32 60 000a									
			Pyrites in dispersion laminated from 308 to 327 mts -1-2% locally 5-7%									
			along veins Very weak on average									
			END OF HOLE AT 327 MTS.									
			End of hole.									
283	3.0	283.2	QV									
			Quartz Vein 45°									
			Quatz carbonate vein, just 2 0 cms wide with no visible									
			muneralization at contcats.									
283	3.6	283.7	QV	284.20	285.70	300277	1.50	0.005	0.0001	No		
			Quartz Vein 70°	285.70	287.20	300278	1.50	0.003	0.0001	No		
			Quartz carbonate vein.	287 20	288 20	300279	1.00	0.003	0.0001	No		
				201.20	200.20	000270	1.50	0.005	0.0001	No		
				292.00	293.50	300280	1.50	0.005	0.0001	NO		
				295.30	296.30	300281	1.00	0.006	0.0002	No		
				298.00	299.00	300282	1.00	0.003	0.0001	No		
				300.00	301.00	300283	1.00	0.003	0.0001	No		
				308.70	309.70	300284	1.00	0.003	0.0001	No		
				313.00	314.50	300285	1.50	0.003	0.0001	No		
				314 50	316.00	300286	1.50	0.003	0.0001	No		
				240.00	220.20	200207	1.50	0.005	0.0001	N-		
				518.80	320.30	300287	1.50	0.005	0.0001	NO		
				320.30	321.60	300288	1.30	0.009	0.0003	No		
				321.60	323.10	300289	1.50	0.005	0.0001	No		
				323.10	324.60	300290	1.50	0.007	0.0002	No		
				324.60	325.70	300291	1.10	0.003	0.0001	No		
				325.70	327.00	300292	1.30	0.003	0.0001	No		

327.0	End of DDH
	Number of samples: 82
	Number of QAQC samples: 0
L	i otal sampled lengin: 100.9

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
16.0	BLK - Blocky Core	30				
16.0						
19.0	WS - Water Seam					
19.0	CNT - Contact	38				
22.5	VN - Vein	86				
23.6	VN - Vein	82				
25.0	VN - Vein	80				
27.8	VN - Vein	60				
28.5	VN - Vein	70				
31.0	VN - Vein	85				
33.5	VN - Vein	85				
36.5	VN - Vein	86				
39.4	VN - Vein	87				
41.5	VN - Vein	48				
44.0	VN - Vein	45				
46.0	INJ+ - Injected weak	46				
47.2	INJ+ - Injected weak	43				
47.8	INJ+ - Injected weak	46				
49.0	VN - Vein	80				
51.0	VN - Vein	46				
52.6	VN - Vein	44				
66.0	VN - Vein	80				
66.8	VN - Vein	87				
71.0	VN - Vein	50				
72.0	VN - Vein	22				
80.8	VN - Vein	81				
83.3	VN - Vein	60				
87.4	VN - Vein	50				
92.0	VN - Vein	70				
97.0	FOL+ - Foliation weak	20				
97.5	FOL+ - Foliation weak	30				
115.0	VN - Vein	80				
119.7	VN - Vein	82				

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
124.0	PIL - Pillowed	50				
143.8	VN - Vein	70				
146.6	VN - Vein	68				
160.7	VN - Vein	80				
164.2	VN - Vein	64				
167.0	VN - Vein	64				
169.7	VN - Vein	70				
171.7	VN - Vein	85				
171.9	VN - Vein	85				
173.5	VN - Vein	60				
173.6	VN - Vein	55				
173.7	VN - Vein	48				
182.2	VN - Vein	30				
188.8	VN - Vein	30				
191.8	VN - Vein	40				
203.0	VN - Vein	50				
211.0	VN - Vein	45				
213.4	VN - Vein	60				
213.8	VN - Vein	60				
233.1	VN - Vein	38				
235.0	VN - Vein	38				
241.0	VN - Vein	40				
248.3	VN - Vein	55				
251.1	VN - Vein	50				
252.2	VN - Vein	70				
257.1	FOL - Foliation	38				
261.3	FOL - Foliation	40				
264.9	FOL - Foliation	41				
283.0	VN - Vein	45				
283.6	VN - Vein	70				
295.3	VN - Vein	50				
300.5	VN - Vein	48				
318.2	VN - Vein	70				

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
323.3	VN - Vein	80		Core_Angle		
325.0	VN - Vein	70				

DDH: MTG-11-04				Claims title:		Section:						
	WI G-11-04				Township:	Tisdale		Level:				
					Range:			Work place:				
Drilled by:					Lot:							
Described by:	Subash Biso	yi			From:	10/12/2011		Description date:				
					To:	13/12/2011						
—Collar ——												
						-	UTM NAD83	Geology	Geology(calc)			
Azimuth:	200.0°					East	476,349.05	1.	-1,007.84			
Dip:	-45.0°					North	5,369,462.20	1.	1,299.30			
Length:	249.0 r	n				Elevation	313.40	1.	00 313.40			
Waighted averages						L						
						Ì						
z	one	From	То	Length	True th.		Au Final ppm	Au Final opt				
		106.0	108 5	25	0.6	0 939	(ppm)	0.0274	(opt)			
z		206.9	214.3	7 4	2.6	7 001		0.2042				
Z		200.0	211.0		2.0			0.2012				
Description						1						
Obiective:												
It is an infilling drilling t	o intersect the a good m	nineralization zon	e of gold as revea	led from histori	cal holes and old w	vorkings.						
Results: Good QFP Zo	nes and Quartz vein sy	stems encounter	ed at expected lev	els.								
Casing pulled.												
Core size:		NQ size core				Cerr	ented: No		Stored: No			

	Down hole survey										
Туре	Depth	Azimuth	Dip	Invalid	Description						
Reflex EZ-Shot	0.0	200.0°	-45.0°	No	At Collar						
Reflex EZ-Shot	30.0	199.0°	-45.3°	No	mag sus = 5665						
Reflex EZ-Shot	81.0	200.5°	-44.8°	No	mag sus = 5685						
Reflex EZ-Shot	132.0	202.2°	-44.5°	No	mag sus = 5667						
Reflex EZ-Shot	198.0	201.8°	-43.8°	No	mag sus = 5654						
Reflex EZ-Shot	249.0	203.3°	42.8°	No	mag sus = 5674						

Description					Assay								
				Description	From	То	Number	Length	Au Final	Au Final opt	VG		
									ppm	(opt)			
		40.0		010					(ppm)				
0.0		10.2		CAS									
				Casing									
				Casing. Overburden, old compact tallings with cobbles.									
18.2		21.0		V3 flw; ALT++; AMY; CC+; SR+									
				Mafic volcanic - flow texture; Altered moderate; Amygdaloidal;									
				Calcite weak; Sericite weak									
				Mafic volcanic flows.									
				Colour:light green.									
				Textures:hard,medium grained.									
				Amygdaloidal, broken 40% along foliation planes-38-40 dtca.									
				Alterations: Moderate.									
				Calcite and sericitic alterations, weak.									
	18.2		21.0	BLK+									
				Blocky Core Weak									
				broken core after casing in V3.									
21.0		24.6		V3 flw; BLK									
				Mafic volcanic - flow texture; Blocky, broken core									
				Mafic volcanic rocks, completely blocky+++ core.									
				Colour;light green.									
				Texture: Blocky powdery and chipped core with one or two fractures									
				intact pieces.									
				Alterations: Moderate.									
				Calcite/Sericite weak.									
	21.0		24.6	BLK+++									
				Blocky Core strong									
				Broken chips.A fault zone?									
24.6		27.5		V3; FL; CC+; CC++; SR+	27.00	28.00	300293	1.00	0.003	0.0001	No		
				Mafic volcanic (undifferentiated); Flow textured; Calcite									
				weak; Calcite moderate; Sericite weak									
				Mafic volcanic flows.									
				Light green colour to buff grey. weathered,									
				Textures:broken core,weakly blocky.									
				Alterations: Sericite weak, calcite moderate.									
27.5		29.6		V3 flw; BLK; ALT++									
				Mafic volcanic - flow texture; Blocky, broken core; Altered									
				moderate									
				Mafic volcanic flows.									
				Colour:light green to dark green.									
				Textures:Medium grained,Blocky +++.watermarks.									
				······································									

Deseriation						Assay							
				Description	From	То	Number	Length	Au Final	Au Final opt	VG		
								_	ppm	(opt)			
									(ppm)				
				Alterations: Moderate.									
				Calcite veinlets,weak.									
				Oxidised,limonitic along waerseams.									
				Fault zone?									
	27.5		29.6	BLK+++; FTZ; WS									
				Blocky Core strong; Fault Zone; Water seam									
				Chips of rocks,green colour V3 with water seam marks.									
29.6		36.6		V3 flw; AMY	30.00	31.10	300294	1.10	0.003	0.0001	No		
				Mafic volcanic - flow texture; Amygdaloidal	36.50	37.50	300295	1.00	0.003	0.0001	No		
				Mafic volcanic flows.									
				Colour:Fresh light green.Amygdaloidal.									
				Alterd:Mostly unaltered, calcite + as usual.Chlorite weak.									
36.6		37.5		V3 flw; PIL; AMY; CC++; SR-									
				Mafic volcanic - flow texture; Pillowed; Amygdaloidal; Calcite									
				moderate; Sericite very weak									
				Mafic volcanic - flow texture.									
				Colour:Dark grey.									
				Textures: Flows,pillowed, amygdaloidal,Fooliated-35-40 dtca.									
				Atreations:									
				Moderate.Calcite ++,Chlorite ++.									
37.5		71.3		V3 flw; PIL; CC+; CL+	42.00	43.00	300296	1.00	0.003	0.0001	No		
				Mafic volcanic - flow texture; Pillowed; Calcite weak; Chlorite	43.00	44.00	300297	1.00	0.003	0.0001	No		
				weak	46.00	47.50	300298	1.50	0.003	0.0001	No		
				Matic volcanic flows.Pillowed	48.80	49.80	300299	1.00	0.008	0.0002	No		
				Colour:greenish grey/light green.	52 50	53 50	300300	1.00	0.003	0.0001	No		
				Negreticipe: Week	02.00	00.00	000000	1.00	0.000	0.0001	No		
				Alerations. Weak.	60.00	61.00	300301	1.00	0.003	0.0001	NO		
				57.5.71 3 Brken core split along foliation planes									
				Calcite ++ Sericite+									
				No atz vein, no pyrites.									
71.3		89.0		V3 alt flw: PII · CC++· CI +	75.00	76.50	300302	1.50	0.006	0.0002	No		
		00.0		Mafic volcanic - altered - flow texture: Pillowed: Calcite	00.00	0.00	200202	1.00	0.000	0.0001	N-		
				moderate: Chlorite weak	00.00	09.00	300303	1.00	0.003	0.0001	NO		
				Altered mafic volcanic flows.									
				Colour: Dark grey to black.									
				Textures:pillowed,selvages locally.Foliated 47-55 dtca.Weakly injected.									
				Alterations:									
			Description	Assay									
-------	-------	-------	---	--------	--------	--------	--------	----------	--------------	----	--		
			Description	From	То	Number	Length	Au Final	Au Final opt	VG			
								ppm	(opt)				
								(ppm)					
			Calcit moderate, Chlorite weak.										
			No quartz veining or pyrites.										
89.0	106.0		V3 flw; PIL; AMY	95.00	96.00	300304	1.00	0.003	0.0001	No			
			Mafic volcanic - flow texture; Pillowed; Amygdaloidal	100.00	101.70	300305	1.70	0.071	0.0021	No			
			Mafic volcanic flows.	105.00	106.00	300306	1.00	0.116	0.0034	No			
			Colour: Light green.	105.00	100.00	500500	1.00	0.110	0.0034	NO			
			Textures: Medium grained, foliated 50-55 dtca.Pillowed, selvages										
			locally.amygdaloidal.										
			Alterations: Very weak.										
			Calcite ++, chlorite ++.										
			Contacts: gradational.										
			No quartz veining or Pyrites.										
			Lower contact sharp with Quartz vein system at 80 dtca.										
			Upper contact gradational.										
106.0	109.5		QVS++; V3 alt flw; CC+										
			Quartz vein system - moderate; Mafic volcanic - altered -										
			flow texture; Calcite weak 50°										
			Quartz vein system, moderate in Mafic alt flow.										
			The system is moderate, about 60% of the area.										
			Caicite ++, fracture filled.										
			Pyrite 1-2%,locally 5% in veins.										
			Chlorite as small streaks.										
			No tourmaline.										
106.	D	109.5	OVS++	106.00	107.50	300307	1.50	0.915	0.0267	No			
			Quartz Vein System moderate 52°	107 50	109 50	200208	1.00	0.075	0.0284	No			
			Moderate quartz vein system in Mafic flow altered rocks.	107.50	100.50	500308	1.00	0.975	0.0284	NO			
			Pyrite 1-2%,locally 5% in veins.	108.50	109.50	300309	1.00	0.065	0.0019	No			
109.5	130.5		QFP alt; CC++; SR-	109.50	110.50	300310	1.00	0.305	0.0089	No			
			Quartz feldspar porphyry - altered; Calcite moderate; Sericite	110 50	112 20	300311	1 70	0.428	0.0125	No			
			very weak	110.00	112.20	000011	1.10	0.420	0.0120				
			Quartz feldspar porphyry - altered. Very uniform in texture and colour.	112.20	114.00	300312	1.80	0.012	0.0004	No			
			Colour: Grey to buff grey.	114.00	115.50	300313	1.50	0.006	0.0002	No			
			Textures:Medium to fine grained.Phenocrysts are small,ortho feldspars.	115.50	117.00	300314	1.50	0.009	0.0003	No			
			Alterations:Moderate.	117.00	118.50	300315	1.50	0.003	0.0001	No			
			Calcite moderate, Sericite very weak.	118.50	120.00	300316	1.50	0.038	0.0011	No			
			Quartz carbonate veins random: The prominent ones are:	400.00	104 50	000017	4.50	0.000	0.0001	N			
			130.1 - 50 dtca	120.00	121.50	300317	1.50	0.003	0.0001	NO			

Leading of the second				Description	Assay							
1905         142         1787         2003         1000				Description	From	То	Number	Length	Au Final	Au Final opt	VG	
Image: state in the s									ppm	(opt)		
195         195 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>(ppm)</th> <th></th> <th></th>									(ppm)			
Image: 14.2 with 14.2 with 14.2 with 14.5 with 15.7 min, down across with with 14.2 with 15.6 with 15.7 min, down across with with 14.2 with 15.6 with 15.7 min, down across with with 12.4 Soft         124.50         126.00				136.0 - 40 dtca	121.50	123.00	300318	1.50	0.003	0.0001	No	
19.0 $1.442 - 40$ dbc. $0.0070$ $1.90$ $0.007$ $1.90$ $0.007$ $1.90$ $0.007$ $1.90$ $0.007$ $0.007$ $No$ 19.0 $1.445$ $0.0070$ $1.445$ and 157 mits, obta accoss value, along $0.007$ $0.007$ $0.007$ $0.007$ $No$ 19.0 $1.442$ $0.007$				138.8 - 42 dtca	123.00	124.50	300319	1.50	0.003	0.0001	No	
19.2         19.2         19.2         0.0017         1.50         0.0031         0.001         Mail           19.3         14.2         Value mass FL CC++         13.30         18.50         00021         1.60         0.003         0.0001         Mail           19.3         14.4         Value mass FL CC++         13.30         18.50         00021         1.60         0.003         0.0001         Mail           19.4         Value mass FL CC++         Main voltame, massive stature, Provideme, The totame, The t				144.2 - 40 dtca.	124.50	126.00	300320	1.50	0.003	0.0001	No	
130.5         12.4         12.5         12.4         12.4         12.5         12.5         12.4         12.4         12.5         <				Chlorite patches at 146.1,146.5 and 157 mts, often across veins, along	126.00	127.50	300321	1.50	0.003	0.0001	No	
14.2       14.2       V3 at max, Pi, CC+++       15.2       16.2       16.2       16.2       16.2       0.003       0.001       No         13.5       14.2       V3 at max, Pi, CC+++       15.50       13.50       0.0034       1.00       0.003       0.001       No         14.2       V3 at max, Pi, CC+++       15.50       13.50       0.0032       1.50       0.003       0.001       No         14.2       V3 at max, Pi, CC+++       141.00       142.50       142.50       10035       1.50       0.003       0.001       No         14.2       V3 at max, Pi, CC+++       141.00       142.50       142.50       142.50       10035       1.50       0.003       0.001       No         144.2       V3 at max, Pi, CC+++       Texture Medium graned, maxies Some flows.       142.50       142.50       142.50       10035       1.50       0.003       0.0001       No         144.2       V3 T       Texture Medium graned, maxies Some flows.       144.70       144.70       10032       1.50       0.003       0.0001       No         144.2       V3 T       Texture Medium graned, maxies Some flows.       145.70       147.40       30032       1.50       0.003       0.0001       No <td></td> <td></td> <td></td> <td>core axis fractures.</td> <td>127.50</td> <td>120.00</td> <td>300323</td> <td>1.50</td> <td>0.003</td> <td>0.0001</td> <td>No</td>				core axis fractures.	127.50	120.00	300323	1.50	0.003	0.0001	No	
130.5       14.42       V at mass FL CC+++       155.00       30.023       1.90       0.003       0.001       No         130.5       144.2       V at mass FL CC+++       155.00       3023       3.0023       1.50       0.003       0.001       No         130.5       141.00       142.50       30023       1.50       0.003       0.0001       No         Advent Malk Volcanic, massive.       141.00       142.50       30025       1.70       0.003       0.0001       No         Advent Malk Volcanic, massive.       Colume Malk Volcanic, massive.       Colume Malk Volcanic, massive.       No					127.50	129.00	500322	1.50	0.003	0.0001	NO	
193.5       144.2       V3 alt mass, FL, CO+++       155.00       155.00       1000       0.003       0.0001       No         142.8       V3 alt mass, FL, CO+++       142.90       142.90       0.0032       1.50       0.0033       0.0001       No         142.9       V3 alt mass, FL, CO+++       142.90       142.90       0.0032       1.50       0.0033       0.0001       No         142.9       V3 alt mass, FL, CO+++       Names floct, Co+++ <td></td> <td></td> <td></td> <td></td> <td>129.00</td> <td>130.50</td> <td>300323</td> <td>1.50</td> <td>0.003</td> <td>0.0001</td> <td>No</td>					129.00	130.50	300323	1.50	0.003	0.0001	No	
Interview is with a standard masked took in Flow took in the standard masked took in Flow took in the standard masked took in Flow took in the standard masked took in the standard took took in the standard to	130.5	144.2	2	V3 alt mas; FL; CC+++	135.50	136.50	300324	1.00	0.003	0.0001	No	
144.2         173.7         OFD         0.003         0.001         No           144.2         173.7         OFP         144.20         144.20         30337         150         0.003         0.0001         No           144.2         173.7         OFP         0.003         0.001         No         0.001         No           144.2         173.7         OFP         0.003         0.001         No           Obstructure Medium grained, massive. Some flows:         144.20         144.20         30337         150         0.003         0.0001         No           144.2         173.7         OFP attrained Medium grained, massive. Some flows:         147.40         148.40         300330         1.50         0.003         0.0001         No           145.5         Index fedidaps portphys - allered.         150.00         157.50         30331         150         0.003         0.0001         No           165.5         Index <td></td> <td></td> <td></td> <td>Mafic volcanic - altered - massive texture; Flow textured;</td> <td>141.00</td> <td>142.50</td> <td>300325</td> <td>1.50</td> <td>0.003</td> <td>0.0001</td> <td>No</td>				Mafic volcanic - altered - massive texture; Flow textured;	141.00	142.50	300325	1.50	0.003	0.0001	No	
144-2         145-7         Addressed Math Vocanies, massive. Addressed Math Vocanies, massive. Image: Construction of the properties of the properise of the properis of the properties of the prope				Calcite strong	142.50	144.20	300326	1.70	0.003	0.0001	No	
144.2         178.7         QP				Altered Matic Volcanics,massive.								
14.2.         178.7         OffP all         14.2.0         14.7.0         14.7.0         10.00         0.003         0.001         No           14.4.2         178.7         OffP all         14.2.0         14.7.0         147.40         300327         1.50         0.003         0.0001         No           14.4.2         178.7         OffP all         14.2.0         147.40         300328         1.70         0.003         0.0001         No           14.4.2         178.7         OffP all         145.70         156.10         147.40         300328         1.50         0.003         0.0001         No           14.4.2         178.7         OffP all         145.70         156.10         151.60         300328         1.50         0.003         0.0001         No           150.01:: Gry to buff grey.				Colour:butt grey to light green.								
144.2         178.7         Calcite strong: Colored strong upper 55 and lower 57 dica with QFP.         144.20         145.70         30327         1.50         0.003         0.0001         No           144.2         178.7         Calcite strong upper 55 and lower 57 dica with QFP.         144.20         145.70         147.40         30328         1.70         0.003         0.0001         No           0.001: Grey to bulf telepar porphyry - allered. Color: Grey to bulf grey.         Textures: Medium grained, very unform in granulat testure and colour A         150.10         151.60         300330         1.50         0.003         0.0001         No           18.5         Textures: Medium grained, very unform in granulat testure and colour A         150.00         165.00         300331         1.50         0.003         0.0001         No           18.5         165.5         166.00         167.50         300334         1.50         0.003         0.0001         No           195.5         165.6         QV         Contract strain-strong testures: Contract strain-strue testures: Contract strue testures: Contract				Alterations: Weak								
144.2         178.7         Chorter sharp, upper 55 and lower 57 dica with QFP.         144.2         178.7         QFP attrans_transport 55 and lower 57 dica with QFP.         144.2         147.7         0.003         0.0001         No           144.2         178.7         QFP attransport 56 and lower 57 dica with QFP.         144.70         30327         1.50         0.003         0.0001         No           144.2         178.7         QFP attransport 56 dica, lower 57 dica with QFP.         144.70         30328         1.70         0.003         0.0001         No           Colour: Gray to biff gray.         Colour: Gray to biff gray.         Textures Medium grained, very uniform in granulat texture and colour A         150.10         151.60         300331         1.50         0.003         0.0001         No           Verait Marshines Moderate:         Colour: Gray to biff gray.         165.00         157.50         30332         1.50         0.003         0.0001         No           Colour: Gray to biff gray.         Colour: Gray to biff gray.         165.00         165.00         30332         1.50         0.003         0.0001         No           175.5         175.6         175.00         30334         1.50         0.003         0.0001         No           175.5         175.6				Calcite strong.								
144.2       178.7       OFP #       GFp attractional open 57 dica with GFP.       142.0       147.0       300327       5.0       0.003       0.001       No         144.2       178.7       OFP attractional open 57 dica with GFP.       142.0       147.0       300327       5.0       0.003       0.001       No         144.2       178.7       OFP attractional open 57 dica with GFP.       147.00       148.40       300328       1.70       0.003       0.001       No         178.7       Otherstering rophyry-alterid.       150.00       157.00       300330       1.50       0.003       0.0001       No         178.7       Naterational open 57 dica.       159.00       157.00       300331       1.50       0.003       0.0001       No         175.5       165.6       Quartz catalysen open yee so that open yee so t				Chlorite weak.								
144.2       178.7       QFP at       Cuartz feldspar porphyry - allered. Ouartz feldspar porphyry - allered. Ouartz feldspar porphyry - allered. Ouartz feldspar porphyry - allered.       147.40       147.40       300328       1.70       0.003       0.0001       No         147.40       148.40       300329       1.00       0.003       0.0001       No         147.40       148.40       300329       1.00       0.003       0.0001       No         147.40       148.40       300329       1.50       0.003       0.0001       No         147.40       148.40       300329       1.50       0.003       0.0001       No         147.40       148.40       300330       1.50       0.003       0.0001       No         147.40       148.40       300330       1.50       0.003       0.0001       No         149.4       H6.50       165.00       165.00       300331       1.50       0.003       0.0001       No         145.5       165.6       QV       Quartz valorate vein, co++       165.00       166.00       30033       1.00       0.003       0.0001       No         175.6       175.7       Quartz vein orate vein, co++       Quartz vein orate vein, co++       Quartz vein orate vein, c				Contacts sharp,upper 55 and lower 57 dtca with QFP.								
178.7       186.9       Quartz Jekispar porphyry - altered.       147.00       147.40       30328       1.70       0.003       0.0001       No         178.7       188.9       Quartz Carbonate vein       157.50       167.50       30335       1.50       0.003       0.0001       No         178.7       188.9       Valtart Vein 60°       Quartz carbonate vein       178.00       182.00       30335       1.50       0.003       0.0001       No         178.7       198.9       Valtart Vein 60°       Quartz carbonate vein       178.00       182.00       300335       1.20       0.003       0.0001       No         178.7       198.9       Valtartwirty.Markadiokalit Cache       178.00       182.00       300335       1.20       0.003       0.0001       No         178.7       198.9       Valtart Vein 60°       Quartz carbonate vein       178.00       180.00       300335       1.20       0.001       No         178.7       198.9       Valtarty.Amy Carbonate vein       178.00       180.00       300335       1.20       0.001       No	144.2	178.	7	QFP alt	144.20	145.70	300327	1.50	0.003	0.0001	No	
Image: Properties of the properties				Quartz feldspar porphyry - altered	145.70	147.40	300328	1.70	0.003	0.0001	No	
Colour: Grey to buff grey.       Textures:Medium grained, very uniform in granulat texture and colour.A       150.10       151.60       300300       1.50       0.003       0.0001       No         weak QFP.       Materations:Moderate.       Calcite moderate.Sericite very weak.       159.00       167.50       300332       1.50       0.003       0.0001       No         Atterations:Moderate.       Calcite moderate.Sericite very weak.       159.00       160.50       300332       1.50       0.003       0.0001       No         185.5       165.6       QV       Contact sharp: upper 55 dtca.lower 57 dtca.       165.00       166.00       300332       1.50       0.003       0.0001       No         185.5       165.6       QV       Contact sharp: upper 55 dtca.lower 57 dtca.       175.50       177.00       300334       1.50       0.003       0.0001       No         185.5       165.6       QV       Quartz veln 67       Quartz carbonate vein, ce++       175.50       177.00       300334       1.50       0.003       0.0001       No         175.6       175.7       QV       Quartz veln 69*       Quartz veln 69*       No       No       No         178.7       196.0       V att Mrk; MMr; Cc+; SR+       178.80       180.00				Quartz feldspar porphyry - altered.	147.40	148.40	300329	1.00	0.003	0.0001	No	
196.0       197.00       197.00       197.00       197.00       197.00       197.00       0.003       0.001       No         veak QFP.       xeak QFP.       156.00       157.50       300331       1.50       0.003       0.0001       No         clatter moderate.Sericitivery weak.       clatter moderate.Sericitivery weak.       156.00       166.00       300332       1.50       0.003       0.0001       No         165.5       165.6       QV       clatter moderate.Sericitivery weak.       165.00       166.00       30033       1.00       0.003       0.0001       No         165.5       165.6       QV       clatter moderate.Sericitivery weak.       175.50       177.00       300334       1.50       0.003       0.0001       No         165.5       165.6       QV       clatter bein, cc++       175.50       177.00       300334       1.50       0.003       0.0001       No         175.6       175.7       QV       clatter bein, cc++.       clatter bein, cc++.       clatter bein, cc++.       clatter bein       clatter bein, cc++.       clatter bein       clatt				Colour: Grey to buff grey.	150.10	151.60	300330	1.50	0.002	0.0001	No	
196.00       197.50       300331       1.50       0.003       0.0001       No         Alterations: Moderate.       199.00       166.00       300322       1.50       0.003       0.0001       No         Calcite moderate.Sericite very weak.       165.00       166.00       300332       1.50       0.003       0.0001       No         Contact sharp: upper 55 dica, Jower 57 dica.       165.00       177.00       300334       1.50       0.003       0.0001       No         Logarize carbonate vein, cc++         175.6       175.7       QV       175.00       177.00       300334       1.50       0.003       0.0001       No         176.8       175.7       QV       Quartz vein 60°       Quartz vein 80°       Intervein.       Intervein 80°				Textures:Medium grained, very uniform in granulat texture and colour.A	150.10	131.00	500350	1.50	0.003	0.0001	NO	
Alterations.Moderate.       Alterations.Moderate.       159.00       160.50       300332       1.50       0.003       0.0001       No         Contact sharp: upper 55 dica,lower 57 dica.       165.00       166.00       300333       1.00       0.003       0.0001       No         165.5       165.6       QV       Quartz Vein 67°       175.50       177.00       300334       1.50       0.003       0.0001       No         175.6       175.7       QV       Quartz Carbonate vein, cc++.       Quartz Vein 67°       Quartz carbonate vein, cc++.       No       No <t< td=""><td></td><td></td><td></td><td>weak QFP.</td><td>156.00</td><td>157.50</td><td>300331</td><td>1.50</td><td>0.003</td><td>0.0001</td><td>No</td></t<>				weak QFP.	156.00	157.50	300331	1.50	0.003	0.0001	No	
165.5       165.6       QV       175.0       177.00       300333       1.00       0.003       0.0001       No         165.5       165.6       QV       Quartz Vein 67°       175.00       177.00       300334       1.50       0.003       0.0001       No         175.6       175.7       QV       Quartz carbonate vein, cc++       Quartz carbonate vein, cc++.       Inc.       Inc. </td <td></td> <td></td> <td></td> <td>Alterations:Moderate.</td> <td>159.00</td> <td>160.50</td> <td>300332</td> <td>1.50</td> <td>0.003</td> <td>0.0001</td> <td>No</td>				Alterations:Moderate.	159.00	160.50	300332	1.50	0.003	0.0001	No	
165.5       165.6       QV       175.50       177.00       300334       1.50       0.003       0.001       No         165.7       165.7       Quartz Vein 67°       Quartz vein, cc++       Quartz vein, cc++       Quartz vein, cc++       Quartz vein, cc++       Participation (C + +)				Calcite moderate, Sericite very weak.	165.00	166.00	300333	1.00	0.003	0.0001	No	
165.5       165.6       QV       175.70       <	10	F F	105.0	Contact sharp: upper 55 dica, lower 57 dica.	475 50	477.00	200224	1.50	0.002	0.0001	Na	
175.6 175.7 QV Quartz carbonate vein, cc++. 176.8 176.9 QV Luartz Vein Quartz carbonate vein, cc++. 176.8 176.9 QV Luartz Vein 60° Quartz carbonate vein. 178.7 196.0 V3 alt flw; AMY; CC+; SR+ Luartz Carbonate vein. 178.7 196.0 V3 alt flw; AMY; CC+; SR+ Mafic vicanic - altered - flow texture; Amygdaloidal; Calcite 181.50 182.50 300335 1.20 No	10	5.5	105.0	QV Quartz Vein 67°	175.50	177.00	300334	1.50	0.003	0.0001	INO	
175.6 175.7 QV Quartz Vein quartz carbonate vein,cc++. 176.8 176.9 QV Quartz Vein 60° Quartz Carbonate vein. 178.7 196.0 V3 alt flw; AMY; CC+; SR+ Harto Volcanic - altered - flow texture; Amygdaloidal; Calcite 181.50 182.50 300335 1.00				Quartz carbonate vein cc++								
Instantion       Quartz Vein quartz carbonate vein,cc++.         176.8       176.9         Quartz Vein 60° Quartz carbonate vein.         178.7       196.0         V3 alt flw; AMY; CC+; SR+ Maffc volcanic - altered - flow texture; Amygdaloidal; Calcite       178.50       180.00       300335       1.20       No	17	56	175 7									
176.8       176.9       QV       QV       Image: Carbonate vein,cc++.       Im		0.0	170.7	Quartz Vein								
176.8       176.9       QV         Quartz Vein 60°       Quartz carbonate vein.         Quartz carbonate vein.       178.7         178.7       196.0       V3 alt flw; AMY; CC+; SR+         Mafic voicanic - aktered - flow texture; Amygdaloidal; Calcite       181.50         182.50       300335       1.00				quartz carbonate vein,cc++.								
Quartz Vein 60°         Quartz carbonate vein.         Image: Construct of the state of the st	17	6.8	176.9	QV								
Quartz carbonate vein.         Image: Constraint of the state of				Quartz Vein 60°								
178.7       196.0       V3 alt flw; AMY; CC+; SR+       178.80       180.00       300335       1.20       No         Mafic volcanic - altered - flow texture; Amygdaloidal; Calcite       181.50       182.50       300336       1.00       No				Quartz carbonate vein.								
Mafic volcanic - altered - flow texture; Amygdaloidal; Calcite	178.7	196.0	0	V3 alt flw; AMY; CC+; SR+	178.80	180.00	300335	1.20			No	
				Mafic volcanic - altered - flow texture; Amygdaloidal; Calcite	181.50	182.50	300336	1.00			No	
weak; Sericite weak 187 30 188 30 300337 1 00				weak; Sericite weak	187 30	188 30	300337	1.00			No	
Mafic volcanic - flow texture.				Mafic volcanic - flow texture.	107.50	100.00		1.00			INU	

			Description	Assay								
			Description	From	То	Number	Length	Au Final	Au Final opt	VG		
								ppm	(opt)			
								(ppm)				
			Colour:light green to dark grey.	195.70	197.20	300338	1.50			No		
			178.7 to 189 light green colour.									
			189 to 198.54 dark grey colour with more alterations.									
			Textures: Fine to medium grained flows, pillowed, amygdaloidal,									
			Selvages locally.									
			Atreations:									
			Moderate.Calcite ++,Chlorite ++.Sericite weak.									
			Alteration increases from 189 mts downwards.									
			Contact: Upper sharp with QFP at 48 dtca.									
			Lower gradational with V3 mass.									
196.0	201	1.5	V3 mas; ALT++; CC+++; SR+	197.20	198.60	300339	1.40	0.003	0.0001	No		
			Mafic volcanic - massive texture; Altered moderate; Calcite	200.50	201 50	300340	1.00	0.003	0.0001	No		
			strong; Sericite weak	200.00	201100			0.000				
			Mafic volcanic - massive.									
			Colour: dark grey.									
			Textures: Massive, fine to medium grained.									
			Alterations: Moderate.									
			Calcite strong.									
			Sericite weak, along fractures.									
			Contact: gradational.									
201.5	202	2.3	QVS++; S6									
			Quartz vein system - moderate; Argillite									
			Quartz carbonate vein system, moderate, 60% of area.									
			Host rock is black coloured Argillites.									
			Calcite strong.									
			Stringers of quartz carbonate.									
			Chlorite patch within QVS.									
2	201.5	202.3	QVS	201.50	202.50	300341	1.00	0.029	0.0008	No		
			Quartz Vein System									
			QVS									
202.3	206	5.9	S6	202.50	204.00	300342	1.50	0.003	0.0001	No		
			Argillite	204.00	205 50	300343	1 50	0.005	0.0001	No		
			- Argillites.Finely laminated metasedimentary rock.A mud stone.	207.00	200.00		1.00	0.000	0.0001			
			Colour: Dark grey to black.	205.50	206.90	300344	1.40	0.116	0.0034	No		
			Textures:Fine grained,thinly laminated.									
			Alterations: Moderate.									
			Pyrite+, 1-2% dispersed along laminations. Locally 5% in veinlets.									

		<b>D</b>		Assay							
		Description	From	То	Number	Length	Au Final	Au Final opt	VG		
							ppm	(opt)			
							(ppm)				
		Calcite strong, calcite stringers.Chlorite weak.									
206.9	209.8	QVS; S6	206.90	208.40	300345	1.50	6.060	0.1768	No		
		Quartz vein system; Argillite	208.40	209.80	300346	1.40	4.260	0.1243	No		
		Quartz vein system, weak,less than 50% of the area within finely									
		laminated black coloured Argillites.									
		Pyrite 1-2%, locally 5% along veins.									
		Calcite moderate.									
		Contacts sharp; Upper contact 40 dtca.Lower contact 45.									
206.9	209.	7 QVS									
		Quartz Vein System									
		QVS									
209.8	214.5	V3 alt	209.80	211.30	300347	1.50	6.030	0.1759	No		
		Mafic volcanic - altered	211.30	212.80	300348	1.50	16.100	0.4696	No		
		Altered Mafic Volcanics.	212.80	214 30	300349	1 50	2 370	0.0691	No		
		Colour: light green to grey.	212.00	214.00	000040		2.010	0.0001			
		Texture:	214.30	216.00	300350	1.70	0.074	0.0022	No		
		Medium grained, massive. Some flows, few pillows.									
		Alterations:Weak.									
		Calcite strong.Chlorite weak.									
		Criscut calcite veinlets.									
214.5	216.2	S6; SHR+++; ALT++; PY++	216.00	217.50	300351	1.50	0.027	0.0008	No		
		Argillite; Sheared strong; Altered moderate; Pyrite moderate									
		Fine laminated Argillites.									
		Colour: Black.									
		Texture: Very fine grained, clay size, laminated, but compact.									
		Alterations:moderate									
		Calcite weak.									
		Pyrite moderate.									
		Sheared locally.									
		Contacts sharp: Upper 44 dtca and lower 50 dtca.									
216.2	249.0	V3 flw; PIL; AMY; CC++									
		Mafic volcanic - flow texture; Pillowed; Amygdaloidal; Calcite									
		moderate									
		Mafic volcanic flows.									
		Colour: light green to grey.									
		Textures: Flows, Pillowed, amygdaloidal, selvages locally.									
		Aterations: Weak.									
		Calcite moderate.Calcite stringers/veinlets random.									

		Description	Assay							
		Description	From	То	Number	Length	Au Final	Au Final opt	VG	
							ppm	(opt)		
							(ppm)			
		Chlorite veins cut across the calcite stringers along flow fractures.								
		Querta contranato visios:								
		216 8-217 1> 30 dtca								
		217.8-218 >35 dtca								
		231.0-231.3> 45 dtca								
		sheared weakly from 229 to 229.3 mts.								
		A thin qcb vn at 248.8 mts.								
		End of Hole at 249 mts.								
216.8	217.1	QV	217.50	218.50	300352	1.00	0.008	0.0002	No	
		Quartz Vein								
		Quartz Carbonate vein in V3 Flows.								
217.8	218.0	QV	219.50	221.00	300353	1.50	0.014	0.0004	No	
		Quartz Vein	221.00	222.50	300354	1.50	0.003	0.0001	No	
		Quartz carbonate vein.	222.50	223.50	300355	1.00	0.017	0.0005	No	
			228 50	230.00	300356	1.50	0.008	0.0002	No	
			220.00	200.00			0.000	0.0002		
231.0	231.3	QV	231.00	232.00	300357	1.00	0.003	0.0001	No	
		Quartz Vein	240.50	241.50	300358	1.00	0.011	0.0003	No	
			245.00	246.00	300359	1.00	0.003	0.0001	No	
			247.50	249.00	300360	1.50	0.003	0.0001	No	
249.0			1	1	1	1	ı	1	1	
240.0	Number of ear	nnles: 68								
	Number of QA	QC samples: 0								
	Total sampled	length: 89.8								
Ľ										

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
18.5	BLK+ - Blocky Core weak	75				
21.0	BLK+++ - Blocky Core Strong	80				
27.5	BLK+++ - Blocky Core Strong	78				
31.0	VN - Vein	55				
34.3	VN - Vein	52				
56.0	FOL+ - Foliation weak	35				
56.5	FOL+ - Foliation weak	39				
60.0	FOL+ - Foliation weak	40				
66.5	FOL+ - Foliation weak	42				
70.4	FOL+ - Foliation weak	40				
95.2	VN - Vein	55			calcite	
97.0	VN - Vein	53			calcite	
106.0	VN - Vein	52			QCB	
109.5	VN - Vein	55			QCB	
118.0	VN - Vein	30			calcite	
122.9	VN - Vein	38			calcite	
130.1	VN - Vein	50			QCB	
136.0	VN - Vein	40			QCB	
138.8	VN - Vein	42			QCB	
144.2	VN - Vein	40			QCB	
147.9	VN - Vein	38				
156.4	VN - Vein	85				
161.5	VN - Vein	52				
165.5	VN - Vein	75			QCB	
166.5	VN - Vein	50				
172.0	VN - Vein	55			QCB	
175.6	VN - Vein	65			QCB	
178.7	CNT - Contact	39				
179.5	VN - Vein	52			QCB	
201.5	VN - Vein	60			QCB	
202.3	VN - Vein	40			QCB	
206.9	VN - Vein	38			QCB	
209.8	VN - Vein	40			QCB	

DDH: Drilled by: Described by Collar	MTG-11-05	yi			Claims title: Township: Range: Lot: From: To:	Tisdale 13/12/2011	UTM NAD83	Section: Level: Work place: Description date: Geology	Geology(calc)
Dip:	-45.0°					East	476,350.96	1.00	-1,005.93
Length:	104.0 r	n				North	5,369,462.73	1.00	1,299.83
						Elevation	313.49	1.00	313.49
-Weighted averages	;								
Z	Zone	From	То	Length	True th.		Au Final ppm		Au Final opt
Z		79.5	97.5	18.0	6.0	2.257		0.0658	
Casing pulled		NO size coro				Corr	oontool: No		Storod: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
Reflex EZ-Shot	0.0	150.0°	-45.0°	No	At collar.
Reflex EZ-Shot	30.0	152.0°	-45.0°	No	mag sus = 5685

				<b>D</b>	Assay							
				Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG	
0.0		15.0		CAS								
				Casing								
				CAS								
15.0		21.2		FTZ; BLK; CC+								
				Fault zone; Blocky, broken core; Calcite weak								
				Fault zone with gauze.Blocky core strong.								
				Water seam,cement.								
	15.0		21.2	FTZ++; BLK+++								
				Fault Zone moderate; Blocky Core strong								
				Fault zone with gauze.								
				Strongly blocky core, fluid,sand-clay pastes pieces/gragments.								
21.2		27.0		V3 flw; BLK; CC++	22.50	23.50	300361	1.00	0.003	0.0001	No	
				Mafic volcanic - flow texture; Blocky, broken core; Calcite								
				moderate								
				Mafic Volcanic flows.								
				Colour:Light green.								
				Textures:Flows,pillowed								
				Blocky core, moderate, 50%. split along veining 50-550dtca.								
				Alteration:Moderate.								
				Calcite moderate.								
				Sercite weak.								
27.0		29.2		V3 flw; PIL	27.30	28.30	300362	1.00	0.008	0.0002	No	
				Mafic volcanic - flow texture; Pillowed								
				Altered Volcanic Mafic Rock.								
				Colour:dark green to dark grey.								
				Textures:Flows,pillows.								
				Alterations:								
				Weak.Calcite moderate.Sericite weak.								
				Contacts:Lower contact 28 dtca V3 alt mas.								
29.2		45.1		V3 alt; CC+; SR+								
				Mafic volcanic - altered; Calcite weak; Sericite weak								
				Mafic Volcanic altered.								
				Colour:Light greenish grey,becomes greyish green downward.								
				Textures:Medium grained.Weak flows.								
				Alterations:Moderate.								
				Sericit moderate.								
				Calcite weak.								
				Contact: sharp upper contact at 28 dtca with V3 pillow flows.								

Description	Assay							
Description	From	То	Number	Length	Au Final	Au Final opt	VG	
					ppm	(opt)		
					(ppm)			
32.2 33.1 WS	35.50	35.70	300363	0.20	0.003	0.0001	No	
Water seam	38.40	39.40	300364	1.00	0.013	0.0004	No	
vs ait,water seam,moderate imonitic.	42.00	43.20	300365	1.20	0.003	0.0001	No	
45.1 75.0 V3 alt flw; AMY; CC++; SR+	45.10	46.60	300366	1.50	0.003	0.0001	No	
Mafic volcanic - altered - flow texture; Amygdaloidal; Calcite	46.60	48.00	300367	1.40	0.003	0.0001	No	
moderate; Sericite weak	48.00	49.30	300368	1.30	0.003	0.0001	No	
Mafic volcanic flows.	50 30	51 30	300369	1.00	0.003	0.0001	No	
Colour:Light greyish green to buff grey.	54.00	50.50	000000	1.00	0.000	0.0001	110	
Textures:hard and compact.Fractured along core axis.	51.30	52.50	300370	1.20	0.003	0.0001	NO	
Fine to medium grained.	52.50	54.00	300371	1.50	0.008	0.0002	No	
Alterations:Moderate.	54.00	55.50	300372	1.50	0.003	0.0001	No	
Sericite moderate.	55.50	57.00	300373	1.50	0.003	0.0001	No	
Quartz carbonate veins at	57.00	58.50	300374	1.50	0.013	0.0004	No	
50.4 - 60  dtra	58.50	60.00	300375	1.50	0.003	0.0001	No	
50.8 - 70 dtca	60.00	61 50	200276	1 50	0.002	0.0001	No	
60.4 - 30 dtca	00.00	01.50	500370	1.50	0.003	0.0001	110	
69.0 - 75 dtca	61.50	63.00	300377	1.50	0.003	0.0001	NO	
69.5 - 87 dtca								
71.6 - 45 dtca								
72.5 - 60 dtca.								
62.4 62.7 01	63.00	64 50	300378	1 50	0.003	0.0001	No	
Quartz Vein 32°	00.00	04.00	000070	1.50	0.000	0.0001	No	
A low angled quartz carbonate vein of 30 cms wide.	64.50	66.00	300379	1.50	0.003	0.0001	INO	
Sericite weak.	66.00	67.50	300380	1.50	0.003	0.0001	No	
	68.80	70.50	300381	1.70	0.490	0.0143	No	
	70.50	72.00	300382	1.50	0.008	0.0002	No	
	72.00	73.50	300383	1.50	0.003	0.0001	No	
	73.50	75.00	300384	1.50	0.003	0.0001	No	
75.0 76.5 V3 alt: BLK: SR++: AMY: CC++								
Mafic volcanic - altered; Blocky, broken core: Sericite								
moderate; Amygdaloidal; Calcite moderate								
V3 alt, completely broken and blocky core part of void.Fragments of								
quartz carbonate veins.								
Textures: blocky+++, amygdaloilal.								
Alterations:Moderate.								

				Decembration	Assay							
				Description	From	То	Number	Length	Au Final	Au Final opt	VG	
									ppm	(opt)		
									(ppm)			
				Sericite moderate.								
				Calcite moderate.								
76.5		77.5		UGO								
				Underground opening								
				UGO. Partially backfilled.								
				Few fragments of V3 alt.								
77.5		82.5		V3 alt; QVS+								
				Mafic volcanic - altered; Quartz vein system - weak								
				A weak Quartz carbonate vein, around 30% of veining in V3 alt host rock.								
				Blocky core,moderate,50%.								
				cube pyrite around the qcb vein.								
				Fine grained dispersed pyrite 2-5%, locally 5-7%.								
	79.5		82.5	QVS	79.50	81.00	300385	1.50	4.920	0.1435	No	
				Quartz Vein System 60°	81.00	82.50	300386	1 50	7 110	0.2074	No	
				Quartz vein system in V3 alt.	81.00	62.50	300360	1.50	7.110	0.2074	INO	
				Blocky core.								
				Finr grained pyrite dispersion, locally upto 5-7%.								
82.5		88.8		UGO								
				Underground opening								
				UGO.								
				Sand backfilled								
88.8		91.3		V3 alt; CC+; SR+	90.00	91.50	300387	1.50	0.521	0.0152	No	
				Mafic volcanic - altered; Calcite weak; Sericite weak								
				Mafic Volcanics, altered.								
				Colour: Light green.								
				Textures:Flows,foliated 45-48 dtca.								
				Alterations:weak.								
				Sericite weak,								
				calcite weak.								
				calcite stringers.								
91 3		94 5		0//\$111. BA111								
51.5		54.5										
				A strong quartz vein system with calcite stringers along fractures								
				n strong quartz vein system with calore stringers diving lideluies.								
1				Burite is strong all through the length $20.30\%$ lecally unto $50\%$ Fine grain								
				r yne is suong all ullough uie lengul, 20-30 %,locally upto 30%.Fille grain								
	04.5		04.5		04.50			4.50	40.000	0.0150	N	
	91.5		94.5	QVS+++	91.50	93.00	300388	1.50	10.800	0.3150	NO	

	Description				Assay							
				Description	From	То	Number	Length	Au Final	Au Final opt	VG	
									ppm	(opt)		
									(ppm)			
				Quartz Vein System strong	93.00	94.50	300389	1.50	1.025	0.0299	No	
				A strong QVS in V3 alt.								
				Sr/Calcite +.								
				Pyrite strng, fine dispersions.								
94.5		99.0		V3 alt; SHR+++; BLK								
				Mafic volcanic - altered; Sheared strong; Blocky, broken core								
				Altered mafic rocks.								
				Colour: greyish green.								
				Textures:Flows,strongly foliated 45-48 dtca,laminated locally.								
				sheared strongly								
				Sericite weak.								
				Calcite weak.								
	94.5		99.0	BLK+++; SHR++	94.50	96.00	300390	1.50	0.037	0.0011	No	
				Blocky Core strong; Sheared moderate	96.00	97.50	300391	1.50	2.670	0.0779	No	
				V4 sheared, blocky core.	97.50	99.00	300392	1.50	0.206	0.0060	No	
99.0		104 0		ligo								
00.0				Underground opening								
				UGO.Open void, no back fill								
				Hole lost trying to advance.								
				Material lost: Complete core barrel, inner tube, 1 drill rod, 1 drill bit.								
				End of hole.								
104.0		End of			<u> </u>	<u> </u>	I	1				
Number of samples: 32												
		Numb	er of QA	QC samples: 0								
		Total	ampled	lenath: 44.0								

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
29.5	VN - Vein				qcb vein	
32.2	WS - Water Seam					
38.4	VN - Vein	55			qcb	
38.7	VN - Vein	48			qcb	
48.7	VN - Vein	38			qcb	
50.4	VN - Vein	60			qcb	
50.8	VN - Vein	70			qcb	
60.4	VN - Vein	30			qcb	
69.5	VN - Vein	87			qcb	
71.6	VN - Vein	45			qcb	
72.5	VN - Vein	60			qcb	

DDH: Drilled by: Described by Collar Azimuth: Dip: Length:	MTG-11-06 : Subash Biso 150.0° -58.0° 183.0 r	yi			Claims title: Township: Range: Lot: From: To:	Tisdale 15/12/2011 16/12/2011 East North	UTM NAD83 476,350.89 5,369,459.77 313.45	Section: Level: Work place: Description date: Geology 1.00 1.00	Geology(calc) -1,006.00 1,296.87 313.45
Waighted averages							010.40	1.00	010.40
	Zone	From	То	Length	True th.		Au Final ppm		Au Final opt
Z Z Z Description Test hole to intersect h Casing pulled.	istorical mineralized zor	57.0 150.5 168.0	59.5 152.0 169.2	2.5 1.5 1.2	0.6 0.3 0.2	1.762 0.941 1.585		0.0514 0.0274 0.0462	
Core size:		NQ size core				Cen	nented: No		Stored: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
Reflex EZ-Shot	0.0	150.0°	-58.0°	No	At collar
Reflex EZ-Shot	27.0	153.6°	-58.3°	No	mag sus = 5699
Reflex EZ-Shot	129.0	157.9°	-55.6°	No	mag sus = 5677
Reflex EZ-Shot	180.0	159.0°	-56.8°	No	mag sus = 5672

				Description	Assay						
				Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG
0.0		15.0		CAS					u. /		
				Casing							
				CAS.Few boulders.							
15.0		21.0		FTZ; V3 alt; BLK							
				Fault zone; Mafic volcanic - altered; Blocky, broken core							
				Fault zone in V3 alt,with gauze.							
				Colour:greyish green.							
				Textures: Stongly blocky core. Angulaar fragments and cements.							
	15.0		21.0	FTZ							
				Fault Zone							
				Fault zone with gauze in V3 alt.Blocky+++.							
21.0		28.5		V3 alt; BLK; SR+; CC+++							
				Mafic volcanic - altered; Blocky, broken core; Sericite weak;							
				Calcite strong							
				Mafic volcanics, altered.							
				Colour:light green to grey.							
				Textures:Blocky moderate,fracture core.Broken fragments along							
				foliations-38-40 dtca.							
				Alterations: Weak.							
				Sericite weak. Calcite strong.							
	21.0		28.5	BLK++	21.00	22.50	300393	1.50	0.007	0.0002	No
				Blocky Core Moderate	27.00	28.00	300394	1.00	0.005	0.0001	No
				V3 alt with moderate blocky core.							
28.5		40.8		V3 alt flw; PIL; SHR+; CC+; CL+							
				Mafic volcanic - altered - flow texture; Pillowed; Sheared							
				weak; Calcite weak; Chlorite weak							
				Mafic altered volcanic flows.							
				Colour:light green to dark grey downwards.							
				Textures:Pillowed,selvages locally.Moderately sheared.							
				Amygdaloidal.							
				Alterations:Weak.Sericite very weak.Calcite moderate in sheared selvage							
				patches.							
				Contacts gradational							
	28 5		40.9		30.50	32.00	300305	1.50	0.003	0.0001	No
	20.3		40.0	Sharad waak Dillow Salvasa	30.30	32.00	300393	1.50	0.003	0.0001	INO
				Shoaleu wear, Fillow Servage	34.00	35.00	300396	1.00	0.003	0.0001	No
				ขอ ลแอกเซลเฮน,µแบพอ,๖ธเขลมูธอ เบเวลแม.	38.00	39.20	300397	1.20	0.050	0.0015	No

	Description					Assay							
				Description	From	То	Number	Length	Au Final	Au Final opt	VG		
								_	ppm	(opt)			
									(ppm)				
40.8		46.7		FTZ; V3 flw; BLK; SHR++; INJ+; CC+	42.00	43.50	300398	1.50	0.003	0.0001	No		
				Fault zone; Mafic volcanic - flow texture; Blocky, broken	46.50	48.00	300399	1.50	0.003	0.0001	No		
				core; Sheared moderate; Injected weak; Calcite weak									
				Fault zone within V3 flows.									
				Colour:greenish grey.									
				Texture:Flows,blocky moderate,sheared.									
				Moderate injections.									
				Alterations:quartz carbonate veinlets and calcite stringers.									
	40.8		46.5	BLK++; BRF									
				Blocky Core Moderate; Brecciated									
				V3 alt with blocky core, brecciated.									
46.7		49.5		V3 mas; BLK; CC++; SR-									
				Mafic volcanic - massive texture; Blocky, broken core;									
				Calcite moderate; Sericite very weak									
				Massive volcanics,									
				Colour: light green with greyish hue.									
				Textures:massive									
				Alterations:Very weak.									
				Calcite moderate.									
				Sericite very weak.									
				Contact:Upper broke.Lower sharp 35 dtca with qcb vein.									
	47.1		47.6	QV									
				Quartz Vein									
				Quartz carbonate vein with V3 alt and argillites.									
49.5		60.2		S6; V3 alt; BLK; SR-; CC+++	49.50	51.00	300400	1.50	0.003	0.0001	No		
				Argillite; Mafic volcanic - altered; Blocky, broken core;	51.00	52.50	300401	1.50	0.003	0.0001	No		
				Sericite very weak; Calcite strong	52.50	54.00	300402	1.50	0.003	0.0001	No		
				Argillites within V3 alt rock.	54.00	55.50	300403	1.50	0.007	0.0002	No		
				Colour:dark grey to black.									
				l extures:Argillites are thinly laminated,brken along foliation planes 40-45									
				dtca.									
				Allerations: weakly sercific.									
				Calcille strong along tollations. Calcille stringers along tollations mostly.									
				r yrite 2-5 /0 in rew qub veins									
				47 1-47 6 - 45/48 dtca									
				54 9-55 3 - 44/46 dtca									
				58.0.46 dtca									
				Contacts:Lower contact sharp at 70 dtca with V3 mas									

				Description	Assay							
				Description	From	То	Number	Length	Au Final	Au Final opt	VG	
									ppm	(opt)		
									(ppm)			
				Lower contact sharp at 75 dtca.								
	54.9		55.3	QV	55.50	57.00	300404	1.50	0.020	0.0006	No	
				Quartz Vein	57.00	58.50	300405	1.50	2.500	0.0729	No	
				Quartz carbonate vein in argillites.	58 50	50.50	300406	1.00	0.654	0.0101	No	
					50.50	55.50	300400	1.00	0.004	0.0131	110	
60.2		73.7		V3 mas; ALT+; SR+; CL++	72.50	73.70	300407	1.20	0.006	0.0002	No	
				Mafic volcanic - massive texture; Altered weak; Sericite								
				weak; Chlorite moderate								
				Massive mafic volcanics.								
				Colour:light grey to buff grey.								
				l extures:Massive.								
				Alterations: weak.								
				Galche moderate.								
				Jower contact share at 55 dtca with a samll quatz vein system								
72 7		74 5										
13.1		74.5		QV3+								
				Quartz vein system								
				No visible ovrites								
	73 7		74 5	0/91	73 70	74 50	300408	0.80	0.003	0.0001	No	
	10.1		14.5	Quartz Vein Svetem weak	13.10	74.00	300400	0.00	0.000	0.0001		
				quartz carbonate vein system 80 cm wide								
				No visible pyrites.								
74 5		121 8		V3 flwr PIL - AMY- SHR+- SPH- CC+	74 50	75.50	300409	1.00	0.003	0 0001	No	
		.20		Mafic volcanic - flow texture: Pillowed: Amvadaloidal: Sheared	00.00	01.00	200110	1.00	0.000	0.0001	Ne	
				weak: Soherolitic: Calcite weak	80.00	01.00	300410	1.00	0.003	0.0001	INO	
				Mafic volcanic flows.								
				Colour:light green to grevish green.								
				Textures:Pillowed with selvages.Moderately spherulitic.								
				Calcite stringers.								
				Alterations:Weak, increases downwards.								
				Sericite very weak,gets to stronger downhole.								
				Calcit is also weak.								
				Quartz carbonate vein from 80.7 to 81.1associted with a selvage.60 dtca.								
				93.0-121.8 V3 flows with selvges and frequent quartz carbonate veins.								
	80.7		81.1	QV	84.00	85.50	300411	1.50	0.005	0.0001	No	
				Quartz Vein	85.50	87.00	300412	1.50	0.003	0.0001	No	
				Quartz carbonate vein wiyhin V3 flows associated with a selvage.	88.50	90.00	300413	1.50	0.003	0.0001	No	
									0.000	0.0001		

Description	Assay							
Description	From	То	Number	Length	Au Final ppm	Au Final opt (opt)	VG	
					(ppm)			
	94.50	96.00	300414	1.50	0.003	0.0001	No	
	96.00	97.50	300415	1.50	0.003	0.0001	No	
	97.50	99.00	300416	1.50	0.003	0.0001	No	
	99.00	100.50	300417	1.50	0.003	0.0001	No	
100.2 100.4 QV	105.00	106.50	300418	1.50	0.003	0.0001	No	
Quartz Vein	106.50	108.00	300419	1.50	0.003	0.0001	No	
Quartz carbonate vein in V3 flow.	111.50	113.00	300420	1.50	0.003	0.0001	No	
	113.00	114 00	300421	1.00	0.003	0.0001	No	
	114.00	115 50	300422	1.50	0.003	0.0001	No	
	115.50	117.00	200422	1.50	0.003	0.0001	No	
	115.50	117.00	500425	1.50	0.003	0.0001	INU	
	121.50	123.00	300424	1.50	0.003	0.0001	NO	
121.8 123.0 V3 alt flw; INJ++								
Mafic volcanic - altered - flow texture; Injected moderate								
Quartz vein system - moderate: Sheared weak: Altered								
moderate; Sericite weak; Calcite weak								
A moderate quartz carbonate vein system, 50-55% of the area within V3								
alt flow.								
Colour: white to smoky quartzite.								
Textures: Sheared, shallow angled with core axis.								
Alterations: sericite and calcite alteration, weak.			000.005	1.00	0.045	0.0000		
123.0 125.4 QVS+; SHR+	123.00	124.20	300425	1.20	0.215	0.0063	No	
A moderate quartz carbonate vein system 50-55% of the area	124.20	125.60	300426	1.40	0.003	0.0001	No	
within V3 alt flow.								
Colour: white to smoky quartzite.								
Textures: Sheared,shallow angled with core axis.								
Alterations: sericite and calcite alteration, weak.								
125.4 138.2 V3 flw; ALT+; PIL; AMY	125.60	126.70	300427	1.10	0.003	0.0001	No	
Mafic volcanic - flow texture; Altered weak; Pillowed;	126.70	128.20	300428	1.50	0.003	0.0001	No	
Amygdaloidal Mafic volcanic flows	132.60	133.80	300429	1.20	0.003	0.0001	No	
Colour.liaht areen to buff arev.	137.00	138.20	300430	1.20	0.003	0.0001	No	
Textures:Pillowed,selvages locally, amygdaloidal.								
Alterations: Weak.								
Sericite weak.								

		Description	Assay							
		Description	From	То	Number	Length	Au Final	Au Final opt	VG	
							ppm	(opt)		
							(ppm)			
		Strongly calcitic.								
		Lower contact sharp,40 dtca, with QVS.								
138.2	139.5	QVS; SHR+; ALT+								
		Quartz vein system; Sheared weak; Altered weak								
		Quart vein system within V3 flows.								
		Colour:Mottled smoky grey.								
		Textures: Sheared, fractured but not fragmented,								
		Alterations:								
		Sericite weak.								
		Calcite along fractures, very weak.								
		Contacts are sharp at 60/70 dtca.								
138.2	139	.5 QVS	138.20	139.50	300431	1.30	1.335	0.0389	No	
		Quartz Vein System								
		Quart vein system within V3 flows.								
		Colour:Mottled smoky grey.								
		Textures: Sheared, fractured but not fragmented,								
		Alterations:								
		Sericite weak.								
		Calcite along fractures, very weak.								
		Contacts are sharp at 60/70 dtca.								
139.5	141.0	V3 flw; SHR+; ALT++	139.50	140.70	300432	1.20	0.009	0.0003	No	
		Mafic volcanic - flow texture; Sheared weak; Altered	140.70	141.90	300433	1.20	0.021	0.0006	No	
		moderate								
		Mafic volcanic flows.								
		Colour:light greenish grey to buffy grey.								
		Textures:Flows.Sheared weakly.								
		Alterations:Moderate.								
		Sericite moderate.								
		calcite very weak.								
		Lower contact sharp at 62 dtca.								
141.0	154.3	V3 flw; S6; BRF; SHR+; PIL	141.90	143.40	300434	1.50	0.014	0.0004	No	
		Mafic volcanic - flow texture; Argililite; Brecciated; Sheared	143.40	144.50	300435	1.10	0.029	0.0008	No	
		weak; Pillowed	144.50	146.00	300436	1.50	0.037	0.0011	No	
		Mafic volcanic flows with alternate thin layers of argillites.	146.00	147 50	300437	1.50	0.036	0.0011	No	
		Colour: smoky green V3 and dark grey to black argillites.				1.50	0.000	0.0011		
		Textures:	147.50	149.00	300438	1.50	0.005	0.0001	No	
		Flows,brecciated,quartz carbonate stringer fragments thrown in.	149.00	150.50	300439	1.50	0.027	0.0008	No	
		Sheared weakly,a bit stonger towards the end.	150.50	152.00	300440	1.50	0.941	0.0274	No	

			<b>D</b>	Assay							
			Description	From	То	Number	Length	Au Final	Au Final opt	VG	
								ppm	(opt)		
								(ppm)			
			Alterations:weak with sericite,strong with calcite which have filled in the	152.00	153.20	300441	1.20	0.005	0.0001	No	
			sheared/fracture planes thoroughly.	153.20	154.60	300442	1.40	0.088	0.0026	No	
			Contacts:Sharp 60/65 dtca,lower/upper.								
141.0	)	154.0	FBR								
			Flow Breccia								
			Flow breccia in Mafic volcanic flows and alternate thin layers of								
			argillites.								
			Colour: smoky green V3 and dark grey to black argillites.								
			Textures:								
			Flows,brecciated,quartz carbonate stringer fragments thrown in.								
			Sheared weakly, a bit stonger towards the end.								
154.3	165.5		V3 alt; PIL; SR+; CC+++	154.60	156.00	300443	1.40	0.003	0.0001	No	
			Mafic volcanic - altered; Pillowed; Sericite weak; Calcite	164.50	165.50	300444	1.00	0.010	0.0003	No	
			strong								
			Mafic volcanics,altered.								
			Colour:smoky grey with greenish hue.								
			Textures:Flows,pillowed with smoky quartz stringers.								
			Alterations: Moderate.								
			Sericite moderate from 161.5 to 165.5 mts.Weak elsewhere.								
			Calcite strong.								
			Quartz carbonate vein at 160 mts, 58 dtca, sometime qcb veinlets run low								
			angle to core axis, cutting across flows.								
			Contacts:Lower contact sharp with QFP at 35 dtca.								
165.5	169.2		QFP alt	165.50	167.00	300445	1.50	0.003	0.0001	No	
			Quartz feldspar porphyry - altered	167.00	168.00	300446	1.00	0.009	0.0003	No	
			Quartz feldspar Porphyry,altered.	168.00	169.20	300447	1.20	1.585	0.0462	No	
			Colour: Grey with greenish hue.								
			Textures:Porphyritic,smoky quartz phenocrysts of medium grained size								
			with ground mass of smoky quartz and orthoclase feldspars. fracture								
			plains along core axis filled with smoky qtz.								
			Alterations:Altered with weak sericite and smoky quartz stringers.								
			Contact: Lower sharp with v3 flw,low angled, horinzal to 30 dtca along a								
			quartz stringer.								
169.2	173.8		V3 alt flw; PIL	169.20	170.20	300448	1.00	0.003	0.0001	No	
			Mafic volcanic - altered - flow texture; Pillowed	172.80	173.80	300449	1.00	0.003	0.0001	No	
			Mafic altered volcanic flows.								
			Colour:light green to dark grey downwards.								
			Textures:Pillowed,selvages locally.								

	Description	Assay							
	Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG	
173.8 181.9	Amygdaloidal. Alterations:Weak.Sericite very weak.Calcite strong. Contacts gradational. V3 flw; AMY <b>Mafic volcanic - flow texture; Amygdaloidal</b> Mafic volcanic flows. Colour:light green. Textures:Pillowed,selvages locally, amygdaloidal.Hardness 4 - 4.5. Alterations: Weak. Sericite weak. Strongly calcitic.	177.00 181.50	178.50 183.00	300450 300451	1.50 1.50	0.003	0.0001 0.0001	No No	
181.9 183.0	Lower contact gradational with V3 mass. V3 mas; CC+++ Mafic volcanic - massive texture; Calcite strong Massive mafic volcanics. Colour:light grey to buff grey. Textures:Massive. Alterations:Weak. Sericite weak. Calcite strong. Quartz carbonate veinlet at 182.8, 35 dtca. END OF HOLE.								
183.0 End of DD Number o Number o	DH f samples: 59 f QAQC samples: 0	1	1	1	1	1		1	
Total sam	pled length: 78.8								

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
63.3	VN - Vein	48		Core_Angle		
71 5	VN - Vein	75				
73.7	VN - Vein	55				
77.0	VN - Vein	62				
80.7	VN - Vein	55				
84 5	VN - Vein	60				
85.0	VN - Vein	80				
87.8	VN - Vein	65				
91.5	VN - Vein	85				
95.5	VN - Vein	85				
96.2	VN - Vein	62				
100.2	VN - Vein	84				
106.5	VN - Vein	60				
111.9	VN - Vein	70				
113.5	VN - Vein	75				
114.6	VN - Vein	65				
119.7	VN - Vein	60				
122.0	VN - Vein	62				
123.2	VN - Vein	85				
123.5	VN - Vein	40				
125.0	VN - Vein	38				
127.5	VN - Vein	80				
131.8	VN - Vein	55				
136.0	VN - Vein	82				
143.3	VN - Vein	60				
147.3	VN - Vein	30				
154.0	VN - Vein	35				
155.0	VN - Vein	60				

יויחט	MTC-11-07				Claims title:			Section:	
	WI G-11-07				Township:	Tisdale		Level:	
					Range:			Work place:	
Drilled by:					Lot:				
Described by:	Subash Bisoy	/i			From:	16/12/2011		Description date:	
					To:	17/12/2011			
—Collar ———									
						_	UTM NAD83	Geology	Geology(calc)
Azimuth:	315.0°					East	476,348.70	1.00	113.54
Dip:	-50.0°					North	5,369,462.00	1.00	1,981.31
Length:	150.0 n	n				Elevation	313.00	1.00	-6.43
-Weighted averages			i	i	i	1			
Za	ne	From	То	Length	True th.		Au Final ppm		Au Final opt
			05.5		0.7	0.540	(ppm)	0.4000	(opt)
z		24.0	25.5	1.5	0.7	3.540		0.1033	
Description									
Objective: To intersect h	istorical data and mine	ralized zone.							
Results:A lot of interesti	ng sections with Quartz	z Carbonate vein	s and flow breccia	is and mafic ded	iments encounter	ed in V3 encountered.			
Core size:		NQ size core				Cerr	nented: No		Stored: No

			Down	hole survey	
Туре	Depth	Azimuth	Dip	Invalid	Description
Reflex EZ-Shot	0.0	315.0°	-50.0°	No	At collar.
Reflex EZ-Shot	30.0	316.7°	-50.2°	No	mag sus = 5691
Reflex EZ-Shot	81.0	316.7°	-49.7°	No	mag sus = 5680
Reflex EZ-Shot	132.0	317.0°	-48.8°	No	mag sus = 5687
					1

		Dessriction				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
0.0	15.0	CAS							
		Casing							
		CAS, few boulders.							
15.0	25.9	V3 alt mas							
		Mafic volcanic - altered - massive texture							
		Altered massive volcanics.							
		Colour:Dark grey							
		Textures: massive, blocky broken cores.							
		Aterations: moderate.							
		Calcite moderate.							
		Pyrite 1-2%,locally 2-5% in veins.							
		Weak quartz carbonate veining from 24.8 to 25.6, brecciated.							
		Quartz carbonate veins from 25.5 to 26.00.							
		Contacts:Lower contact sharp at 35.							
		Upper contact broken.							
15.0	25	9 BLK; SHR+; BRF	24.00	25.50	300452	1.50	3.540	0.1033	No
		Blocky Core; Sheared weak; Brecclated 37°	25.50	27.00	300453	1.50	0.102	0.0030	No
		Blocky, broken core. Sheared locally. Brecciated from 25.5-26 mts.							
25.9	31.5	V3 flw; Lim+	30.50	31.50	300454	1.00	0.003	0.0001	No
		Mafic volcanic - flow texture; Limonite weak							
		Mafic volcanic flows.							
		Colour:light green.							
		Textures:Flows,almost uniform,without pillows,but few selvages present.							
		Alterations:very weak.							
		Calcite strong.							
		Limonite gragments/patches in small water seams.							
31.5	33.0	QCBV; V3 flw	31.50	33.00	300455	1.50	0.078	0.0023	No
		Quartz carbonate vein; Mafic volcanic - flow texture							
		Quartz carbonate veining in v3 flow.							
		Colour:greyisg green.							
33.0	58.2	V3 alt; FL; S6; PY-; CC+++; SR+	33.00	34.50	300456	1.50	0.003	0.0001	No
		Mafic volcanic - altered; Flow textured; Argiilite; Pyrite very	34.50	36.00	300457	1.50	0.003	0.0001	No
l		weak; Calcite strong; Sericite weak	36.00	37.50	300458	1 50	0.002	0.0001	No
l		Altered mafic volcanics with argillites.	30.00	37.30	500436	1.00	0.003	0.0001	
		Colour: light green V3 alt with dark grey to blcak argillite seams and	37.50	39.00	300459	1.50	0.009	0.0003	No
		fragments.	39.00	40.50	300460	1.50	0.003	0.0001	No
l		Textures:Argillites are thinly laminated, brken along foliation planes 40-45	40.50	42.00	300461	1.50	0.003	0.0001	No
		dtca.	42.00	43.50	300462	1.50	0.005	0.0001	No

			Description				Assay			_
			Description	From	То	Number	Length	Au Final	Au Final opt	VG
								ppm (ppm)	(opt)	
			Alterations:Weakly sercitic.Sericite moderate 56-57 mts.	43.50	45.00	300463	1.50	0.008	0.0002	No
			Calcite strong along foliations.Calcite stringers along foliations mostly.	45.00	46.50	300464	1.50	0.010	0.0003	No
			Pyrite 2-5% in few qcb veins	46.50	48.00	300465	1.50	0.014	0.0004	No
			Quartz carbonate veins random.	48.00	10.50	300466	1.50	0.006	0.0002	No
				40.00	49.50	300400	1.50	0.000	0.0002	NO
				49.50	51.00	300467	1.50	0.003	0.0001	NO
			58.0 46 dtca.	51.00	52.50	300468	1.50	0.003	0.0001	No
			Lower contact sharp at 70 dtca with V3 mas.	52.50	54.00	300469	1.50	0.006	0.0002	No
				54.00	55.50	300470	1.50	0.008	0.0002	No
				55.50	57.00	300471	1.50	0.014	0.0004	No
				57.00	58.50	300472	1.50	0.005	0.0001	No
58.2	61.5		V3 flw; ALT+	58.50	60.00	300473	1.50	0.003	0.0001	No
			Mafic volcanic - flow texture; Altered weak							
			Mafic volcanic flows.							
			Colour:light green.							
			Textures:Pillowed,selvages locally.							
			Alterations: weak.sericite weak.							
			Calcite moderate.							
			Chlorite very weak.							
61.5	68.0		V3 mas; ALT++; SR++; SHR+							
			Mafic volcanic - massive texture; Altered moderate; Sericite							
			moderate; Sneared weak							
			Textures: massive medium grained weakly sheared.							
			A fragment of argillite from 62 to 62.1.							
			Alterations:Modearte.							
			Sericite moderate.							
			Calcite very weak.							
			Quartz carbonate veins at							
			63.8 - 70 dtca							
			65.9 - 80 dtca							
			67.5 - 80 dtca							
			Contact at 68 mts 82 dtca,sharp.							
61.5		68.0	SHR+	65.70	67.00	300474	1.30	0.003	0.0001	No
			Sheared weak 45°	67.00	68.00	300475	1.00	0.003	0.0001	No
			Sheared weak with S6 fragments in V3 mas.		00.50		1.50			
68.0	72.7		V3 alt flw; FBR; ALT++	68.00	69.50	300476	1.50	0.003	0.0001	No

				Description				Assay			
				Description	From	То	Number	Length	Au Final	Au Final opt	VG
									ppm	(opt)	
									(ppm)		
				Mafic volcanic - altered - flow texture; Flow breccia; Altered	69.50	71.00	300477	1.50	0.011	0.0003	No
				moderate	71.00	72.70	300478	1.70	0.003	0.0001	No
				Mafic altered volcanic flows.							
				Colour:light greenish grey.							
				Textures:Flow breccia.Irregular,fracture filled quartz carbonate stringers.							
				Alterations:Moderate.							
				Calcite weak.							
				Chlorite moderate.							
				Contacts:Upper sharp at 82 dtca.							
				Lower contact sharp at 45 dtca with QVS.							
72.7		77.0		QVS+; V3 flw; ALT++; SR+; CC++							
				Quartz vein system - weak; Mafic volcanic - flow texture;							
				Altered moderate; Sericite weak; Calcite moderate							
				A quartz carbonate vein system, weak within mafic volcanic flows.							
				Colour:V3 flow is buff coloured,quartz is milky white.							
				Textures: flows,veined.							
				Alterations:Moderate.							
				Sericite moderate.							
				Calcite strong.							
				Contacts:Upper contact sharp at 45 dtca.							
				Lower contact sharp at 62 dtca.							
	72.7		77.9	QVS+	72.70	74.00	300479	1.30	0.045	0.0013	No
				Quartz Vein System weak 45°	74.00	75.50	300480	1.50	0.003	0.0001	No
				Quartz carbonate vein system, weak with S6 seams.	75.50	77.00	300481	1.50	0.011	0.0003	No
77.0		84.6		V3 flw; FBR; CC+++; SR+; ALT+	77.00	78.00	300482	1.00	0.005	0.0001	No
				Mafic volcanic - flow texture; Flow breccia; Calcite strong;							
				Sericite weak; Altered weak							
				Mafic volcanic flows.Partly brecciated.							
				Colour:light green to buff grey.							
				Lextures: Flows, locally brecciated, selvaged patches. Cris-cut fractures							
				filled with calcite stringers.							
				Alterations:weak.							
				Sericite weak.							
				Upper contact sharp,62 dtca.Lower contact sharp at 40 dtca.							
	77.9		80.0	FBR	78.00	79.50	300483	1.50	0.003	0.0001	No
				Flow Breccia 45°	79.50	81.00	300484	1.50	0.003	0.0001	No
				Flow breccia within V3 flows.	81.00	82.50	300485	1.50	0.007	0.0002	No
								<u> </u>			

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
							ppm	(opt)	
							(ppm)		
			82.50	84.00	300486	1.50	0.006	0.0002	No
84.6	99.0	V3 flw	94.50	95.50	300487	1.00	0.003	0.0001	No
01.0	00.0	Mafic volcanic - flow texture	01.00	00.00			0.000	0.0001	
		Mafic volcanic flows.							
		Colour:light green to buff grev.							
		Textures:Pillowed.selvages locally.							
		Alterations: Weak.							
		Sericite weak.							
		Strongly calcitic.							
99.0	102.5	V3 alt flw; ALT++; SR++; PIL	99.00	100.70	300488	1.70	0.003	0.0001	No
		Mafic volcanic - altered - flow texture; Altered moderate;	100 70	102 50	300489	1.80	0.003	0.0001	No
		Sericite moderate; Pillowed	100.70	102.00	000400	1.00	0.000	0.0001	110
		Altered Mafic volcanic flows.							
		Colour:Buff grey with violet hue.							
		Textures:Flows,fine to medium grained,pillowed.							
		Alterations:Moderate.							
		Sericite moderate.							
		Calcite weak.							
		Few calcite stringers along flows at 85-87 dtca.							
		Contacts:Upper sharp 87 dtca.							
		Lower 87, faint.							
102.5	111.0	V3 flw; PIL; AMY	109.00	110.00	300490	1.00	0.003	0.0001	No
		Mafic volcanic - flow texture; Pillowed; Amygdaloidal	110.00	111.50	300491	1.50	0.003	0.0001	No
		Mafic volcanic flows.							
		Colour:light green to greyish green.							
		Textures:Pillowed with selvages.Amygdaloilal.							
		Calcite stringers.							
		Alterations:Weak,moderate downwards downwards.							
		Sericite very weak,gets to stronger downhole.							
		Calcit is also weak.							
111.0	113.4	V3 alt flw; ALT++; SR++; CC+	111.50	113.00	300492	1.50	0.013	0.0004	No
		Mafic volcanic - altered - flow texture; Altered moderate;	113.00	114.20	300493	1.20	0.003	0.0001	No
		Sericite moderate; Calcite weak							
		Altered mafic volcanic flows.							
		Colour:Light grey to buff grey.							
		Textures:Flows.							
		Alterations:Moderate.							
		Sericite moderate.							
		Calcite weak.							
			1	1		1	1	1	1

		Description				Assay			
		Description	From	То	Number	Length	Au Final	Au Final opt	VG
						-	ppm	(opt)	
							(ppm)		
		Quartz carbonate vein from 111.3 to 111.4 mts.							
		Upper contact gradational.							
		Lower cotact sharp at 62 dtca.							
113.4	129.6	V3 flw; AMY; CC+; SR+; ALT+	114.20	115.70	300494	1.50	0.007	0.0002	No
		Mafic volcanic - flow texture; Amygdaloidal; Calcite weak;	115.70	117.20	300495	1.50	0.003	0.0001	No
		Sericite weak; Altered weak	121 50	122 50	300496	1.00	0.003	0.0001	No
		Mafic volcanic flows.	121.00	122.00	000400	1.00	0.000	0.0001	110
		Colour:light green to buff grey.							
		Textures:Pillowed,selvages locally.							
		Alterations: Weak.							
		Sericite weak.							
		Weakly calcitic except selvage patches where calcite is moderate.							
		Quartz carbonate veins:							
		114.8 to 115.1 at 75 dtca							
		116.4 to 116.8 mts at 62 dtca.							
		Lower contact sharp at 46 dtca.							
129.6	147.7	V3 hya; S6; SR++; CC++	129.60	131.40	300497	1.80	0.003	0.0001	No
		Mafic volcanic - hyaloclastitic texture; Argillite; Sericite	131.40	132.90	300498	1.50	0.003	0.0001	No
		moderate; Calcite moderate	132.90	134.40	300499	1.50	0.003	0.0001	No
		Mafic volcanic flow, hyaloclastitic with Argillites seams and fragments.	134.40	135.90	300500	1.50	0.003	0.0001	No
		Colour:buff grey V3 with dark grey agilites.	135.00	137.40	300501	1.50	0.003	0.0001	No
		l extures: Hyaloclastitic flows.	155.80	137.40	500501	1.50	0.005	0.0001	NO
		Alterations:moderate	137.40	138.90	300502	1.50	0.003	0.0001	No
			138.90	140.40	300503	1.50	0.003	0.0001	No
		Purite weak 1-2% locally 2-4%	140.40	141.90	300504	1.50	0.006	0.0002	No
		Contacts: Unper sharn at 46 dtca	141.90	143.40	300505	1.50	0.003	0.0001	No
		Lower sharp at 62 dtca with V3 mass.	143.40	144.90	300506	1.50	0.003	0.0001	No
			144.00	146.40	200507	1.50	0.042	0.0012	No
			144.90	140.40	500507	1.50	0.043	0.0013	INU
			146.40	147.90	300508	1.50	0.012	0.0004	No
147.7	150.0	V3 mas	147.90	149.00	300509	1.10	0.003	0.0001	No
		Mafic volcanic - massive texture	149.00	150.00	300510	1.00	0.003	0.0001	No
		Massive mafic volcanics.							
		Colour:light grey to buff grey.							
		Textures:Massive.							
		Alterations:Weak.							
		Sericite weak.							
		Calcite strong.							
		Quartz carbonate veinlets.							

**McLaren Resources** 

Description			1	Assay		1	
Description	From	То	Number	Length	Au Final ppm (ppm)	Au Final opt (opt)	VG
END OF HOLE.							
150.0 End of DDH							
Number of Samples: 0							
Total sampled length: 84.9							

			Structure_Point_Data			
Depth	Structure_Code	Core_Angle	Structure2_Code	Structure2_	Comments	
				Core_Angle		
21.0	VN - Vein	46				
24.8	VN - Vein	48				
25.6	VN - Vein	40				
31.7	VN - Vein	42				
33.6	VN - Vein	60				
40.3	VN - Vein	55				
43.8	VN - Vein	40				
46.2	VN - Vein	42				
49.8	VN - Vein	87				
51.0	VN - Vein	88				
58.3	VN - Vein	75				
59.7	VN - Vein	45				
63.8	VN - Vein	70				
65.9	VN - Vein	80				
67.5	VN - Vein	80				
68.0	CNT - Contact	82				
68.8	VN - Vein	87				
70.5	VN - Vein	86				
75.1	VN - Vein	70				
75.4	VN - Vein	60				
76.0	VN - Vein	62				
83.0	VN - Vein	65				
96.0	VN - Vein	60				
101.8	VN - Vein	87				
102.5	VN - Vein	88				
105.7	VN - Vein	87				
109.5	VN - Vein	75				
111.0	VN - Vein	60				
111.3	VN - Vein	80				
113.1	VN - Vein	87				
114.8	VN - Vein	75				
116.4	VN - Vein	62				
121.3	VN - Vein	65				

DepthStructure_CodeCore_AngleStructure2_CodeStructure2_ Core_AngleComments135.0VN - Vein70139.5VN - Vein80140.2VN - Vein82145.6VN - Vein85	
135.0         VN - Vein         70           139.5         VN - Vein         80           140.2         VN - Vein         82           145.6         VN - Vein         85	
139.5     VN - Vein     80       140.2     VN - Vein     82       145.6     VN - Vein     85	+
140.2     VN - Vein     82       145.6     VN - Vein     85	
145.6 VN - Vein 85	

## **APPENDIX III**

# McLAREN GEOLOGICAL LEGEND

colour	litho	Abreviation
	Overburden	ОВ
	Casing	CAS
	Underground opening	UGO
	Quartz vein system	QVS
	Quartz vein	QV
	Quartz feldspar porphyry	QFP
	Mafic volcanic	V3
	Mafic volcanic - flow	V3 alt mas
	greywacke and argillite	S5S6
	altered greywacke and argillite	S5S6-alt
	Fault zone	FTZ

Nom	Abreviation	Description
Ankerite vein	AKV	
Bad ground	BG	
Blocky	BLK	
Overburden	CAS	
Calcite Vein	CCV	
Chlorite weak	CL+	
Chlorite moderate	CL++	
Chlorite strong	CL+++	
Extension	EXT	
Fe Tholeiite Basalt-unaltered, chlorite, calcite	FeVM,chl,cal	
Feldspar Porphyry	FP	
Fault Zone	FTZ	
Fault Zone-unaltered chl calcite	FTZ	
Fault Zone-altered sericite calcite	ETZ-alt cal	grey colour
Fault Zone-altered sericite ferrodolomite	FTZ-alt fe	Bicycoloui
undifferentiated Intrusive Bock	1	
Felsic dike	11	
Intermediate intrusive	12	
Diorito	120	
Maficiptrucivo	120	
Cabbra	13	
	13A	
	138	
Lamprophyre	14L	
Lost Core	LC	
Mud gouge	MUD	
Mineralized Zone	MZ	
Quartz Feldspar Porphyry	QFP	
Quartz Porphyry	QP	
Quartz Vein System - weak	QVS+	20 to 40% quartz with assimilated host rock
Quartz Vein System - weak**VG*	QVS+*VG*	20 to 40% quartz with assimilated host rock
Quartz Vein System - moderate	QVS++	40 to 70% quartz with assimilated host rock
Quartz Vein System - moderate**VG*	QVS++*VG*	40 to 70% quartz with assimilated host rock
Quartz Vein System - strong	QVS+++	70 to 100% quartz with minor assimilated
Quartz Vein System - strong **VG**	QVS+++*VG*	70 to 100% quartz with minor assimilated
Quartz tourmaline breccia	QzTBr	
Quartz tourmaline vein	QzTLV	
Quartz Vein	QZV	Milky white guartz vein
Conglomerate	S1	
Greywacke	53	
Argillite	S6D	
Granhitic Argillite	S6D Gn	
Iron Formation	500 00	
Mafie Lappilli Tuff	T21	
	T3L	
Tourmaline massive		
	TOT	
	TO++	
Tourmailine strong	10+++	
Underground opening	UGO	
undifferentiated Volcanic Rock	V	
Felsic Volcanic	V1	
Dacite	V1D	
Intermediate Volcanic	V2	
Andesite	V2J	
Mafic Volcanic	V3	
Mafic Volcanic, strongly altered	V3 alt	
Mafic Volcanic, flow textured, strongly altered	V3 alt flw	
Mafic Volcanic, hyaloclastite, strongly altered	V3 alt hya	
Mafic Volcanic, Strongly Altered, Massive	V3 alt mas	
Mafic Volcanic, flow textured	V3 flw	
Mafic Volcanic, hyaloclastite	V3 hya	
Mafic Volcanic, massive	V3 mas	
Andesitic Basalt	V3A	
Basalt	V3B	
Ultramafic Volcanic	V4	
Ultramafic Volcanic strongly altered	V4 alt	
Ultramatic Volcanic, strongly artered	V4 alt flw	
Ultramatic Volcanic, now textured, strongly	V/A alt hvo	
Ultramatic Volcanic, nyalociastite, strongly	V4 alt mar	
Ultramatic Volcanic, massive, strongly altered	v4 art mas	
Ultramatic Volcanic, flow textured	V4TIW	
utramatic voicanic, nyaloclastite	v4 nya	
Ultramatic Volcanic, massive	v4 mas	
Komatiite	V4A	
Komatiitic basalt	V4A/V3B	
Komatiite, altered	V4A-alt	-sericite, Fe dolomite
	VM alt cal	grey to greenish grey colour
Mg Tholeiite Basalt-altered, sericite, calcite		
Mg Tholeiite Basalt-altered,sericite, calcite Mg Tholeiite Basalt-altered, fuchsite, Fe dolomite	VM alt fc	
Mg Tholeiite Basalt-altered,sericite, calcite Mg Tholeiite Basalt-altered, fuchsite, Fe dolomite Mg Tholeiite Basalt-altered,sericite,Fe dolomite	VM alt fc VM alt fe	grey to light grey colour