

**A TECHNICAL REVIEW AND REPORT
FOR THE
BELL CREEK COMPLEX PROPERTIES'
EXPLORATION DIAMOND DRILL PROGRAMS
AUGUST 2005 to JULY 31, 2009**

**HOYLE TOWNSHIP
PORCUPINE MINING DIVISION
ONTARIO, CANADA**

NTS: 42-A-11 SE
UTM Zone: 17, NAD: 83
~486860.5m East, ~5377802.3m North
~81.17° West, 48.55° North
(Bell Creek Mine Complex)

Prepared For

LAKE SHORE GOLD CORP.

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By

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September 30, 2009
Timmins, Ontario

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1.0 EXECUTIVE SUMMARY

This report is an independent, National Instrument 43-101 compliant technical review of the diamond drill phase of exploration at the Bell Creek Complex properties that are presently being explored by Lake Shore Gold Corp. ("Lake Shore"). The Bell Creek Complex consists of former gold producer Bell Creek mine and gold prospects Schumacher and Vogel. The reviewed work programs cover the time span from 2005 to July 31, 2009. Lake Shore Gold Corp.'s current field program consists of 4 diamond drills boring holes into the Bell Creek Property, 2 diamond drills testing the Schumacher Property, and an advanced exploration ramp being driven towards mineralization at the Bell Creek A-Zone and Vogel. In addition the underground workings of the Bell Creek deposit are being de-watered to provide access for an advanced exploration diamond drill program.

The Bell Creek Complex is situated in Porcupine, Ontario, approximately 20 kilometres, by road, east of Timmins centre. Access to the property is gained via Florence Street, a 6.7 kilometre long asphalt and gravel road north of Highway 101. The project is situated approximately 564 kilometres north-north-west of Toronto, Ontario.

The purpose of this report is to review and present a technical report on the diamond drill programs Lake Shore started in 2005 on the Vogel Property, and the continuing drill program on the Bell Creek and Schumacher properties. It is not the purpose or scope of this report to audit the interpretation or the resource modeling that Lake Shore Gold Corp. is updating. Collectively, the three properties are referred to as the Bell Creek Complex. The cutoff date for data used in this report is July 31, 2009. The available information includes a total of 155 diamond drill holes, cutting 70,330 metres of diamond drill core and the gold analysis of 18,425 assay samples by Swastika Laboratories Ltd., and ALS Chemex. At the time of writing the report several of the drill hole drill logs have not been finalized and are pending assay results from the assay laboratory. Validation of assay results, a review of the assay result quality control and final edit of the drill log of several holes continues. The information contained within this report reflects the status of the database up to July 31, 2009 and presents data that has been news released by Lake Shore up to that date.

The advanced exploration ramp collared on June 07, 2009 has advanced 337 metres. This ramp access will be driven north to test the North A-Zone and other zones along the way. Ramp drifting will cross the Schumacher property testing the mafic volcanic stratigraphy on its way to the Vogel occurrence at the -120 metre level. At Vogel the intended purpose of the underground advanced exploration program is to determine continuity of the mineralization and feasibility of mining Vogel at a profit.

An exploration agreement with First Nations is in place. All required permits and closure plans are in place for the advanced exploration program. The tailings treatment facilities are being managed by Lake Shore staff with regularly scheduled inspections by Golder Associates. Hadyn Butler's, P.Geo. (2008) Technical (Geological) Report on the Bell Creek Complex, describes the permitting required, the acquisition and underlying agreements, property history, geology, mineralization and recommendations.

Diamond drill core logging is entered directly into a computer database using Gemcom Gems custom drill logger software. The logging software was recently changed from DHLogger. Issues with respect to the software translation and import of data are being resolved. The diamond drill logs are detailed, and describe geology, structure, alteration, mineralization, sample numbers and assay results. The final edited diamond drill log is of adequate

professional quality to be able to complete a geological interpretation and be instrumental to characterize a resource block for a resource calculation.

Knutson (1983) states that Bell Creek and the North Zone were discovered by routine diamond drill follow up of electromagnetic conductors and Induced Polarization anomalies. He recognized that carbonate alteration is wide spread throughout the area, and affects most rock types to varying degrees. Because of the close association of the carbonate alteration with gold mineralization, the degree and type of alteration is particularly significant and useful as an exploration guide. These observations led to the discovery of gold mineralization within the "New Mines Trend" and hold true as an exploration guide at present.

Richard Labine (personal communication) points out the grey zones are discordant to lithology. A significant amount of gold mineralization is associated with the occurrence of the grey zones; however, not all grey zones contain gold. The presence of, or lack of gold in grey zones does not allow these zones to be used as an absolute exploration tool for a gold mineralized zone. The grey zone presence only suggests the possibility of gold being present. Determining the unknown factor which in combination with the grey zone makes the grey zone auriferous could be a valuable exploration tool.

Fyon et al., (1992, p.1149) describe the general geometry characterizing a tabular gold deposit as: "generally relatively narrow, and have much greater strike length and down-dip dimensions, with respect to thickness. For example, the down dip dimension to thickness aspect ratio of the Kerr Addison-Chesterville deposit, Larder lake camp, is a minimum of approximately 16:1 and the down-dip dimension to strike length aspect ratio is about 1.5:1 (Smith et al., 1990). Similar ratios describe vein shoots in the Pickle Crow and Central Patricia deposits (Ferguson, 1966)."

Using these ratios, the generalization implies that a mineralized system with a strike length of 800 metres could have a down dip dimension of 1,200 metres and a width of 75 metres. The gold mineralized systems at the Bell Creek Complex remains open along strike and at depth and warrants deep drill testing and underground exploration to verify the value and continuity of the Bell Creek and Vogel mineralized zones.

The diamond drill core intercept in hole BC-09-24B of 11.09 grams per tonne gold over 13.75 metres of core length is a significant intersection. The uncertainty of the true width, strike length, dip extent, and the interpretative zone designation for an intercept that is 700 metres below the Bell Creek Mine workings warrants additional drilling at 50 metre centres surrounding the intersection, along strike and up and down plunge.

The presence of an interpreted flat vein system at the Schumacher and Vogel mineralized zones disputes the certainty of the previous historical interpretation and the calculated resource estimates. The historic interpretations are based upon a set of sub-vertical mineralized zones displaying continuity in strike and dip. B. Kusins (2009) has interpreted them as a series of stacked sigmoidal lenses. The zones could also resemble the 9/7/B4 series of veins at Hoyle Pond, being steeply dipping in the south flattening and then returning to steeply dipping in the north, as a sigmoidal, box or saddle shape. The shape, continuity and consistency of mineralization, and the structures controlling the mineralized zone cannot be determined by diamond drilling. It is necessary to go underground and test the Schumacher and Vogel mineralized zone both by means of a crosscut cutting, raise on the zone, and drifting into the zone to establish continuity. Extraction of mineralized material should be strictly monitored as a bulk sample, and reconciled with the estimates of gold content derived from diamond drilling,

chip sampling assays, and muck sampling assays. The comparison of the estimates and the reconciliation will support a stronger confidence level in the resource modeling.

With less than three percent outcrop exposure the driving of an access drift across stratigraphy from the Bell Creek Mine to the Vogel mineralized zones provides an excellent opportunity to geologically map, sample and drill test stratigraphy and zones outbound from the workings. The details of alteration, structure, lithology and mineralization intersected by the drive as it crosscuts the ultramafic/mafic metavolcanic rocks should provide Lake Shore geologists with a valuable opportunity to better understand geology and provide a more robust interpretation of the interactions of lithology, structure and mineralization. This applied knowledge would add more credibility to the resource modeling and resource calculations.

Gold mineralized zones of the Bell Creek Complex Project couple well with geophysical methods of electromagnetic and induced polarization surveys. Prior to the development of the Bell Creek mine and mill site infrastructure the area was subjected to these geophysical survey methods. Recommended is the acquisition and emplacement of the historical survey data into a GIS environment and a reinterpretation of these surveys. Since the time of the geophysical surveys, knowledge of the underlying geological stratigraphy has been enhanced. Contained within these surveys may be overlooked conductors that could imply structural weakness in the path of future ramp development to both the A and Vogel zones. A re-examination and reinterpretation of this data may also enhance the geological interpretation within 100 metres of surface.

Kent (1990) states that the presence of active carbon in some of the mineralized pods associated with interflow metasedimentary rocks, presents a deleterious effect of the carbon to the gold recovery. An attempt to better define and understand the controls of the carbon/mineralized pod association is highly recommended. It may be meaningful to know if the active carbon present is in the total mineralized pod, or if it is a local alteration halo that changes along the mineralized strike and dip.

Several gold veining pods, trends or systems are located within the boundaries of the Bell Creek Complex Project. Production has occurred within the West Zone and A-Horizon. The geometry and economics of any resource within the West Veins, East Veins, Portal Zone, the B-Horizon and Vogel mineralization remains to be explored and defined. The understandings of the controls of gold mineralization are only generalized with broad associations to the mafic/ultramafic metavolcanic rock contacts, the grey zones, and quartz, sericite, carbonate, ankerite and albite alteration. The author recommends a review of the historical and current information with the scope to better understanding and defining the various mineralization and alteration envelopes and an endeavor to determine the relationships between the various structures and known mineralization. The contouring of the overlapping alteration zones, structure and mineralization may provide a vectoring tool for future exploration and diamond drill hole testing.

Diamond drill holes target the areas where it is believed additional drill density is required to develop and enhance the definition of mineral resources. At Bell Creek Mine the areas targeted are between the A-Zone and West Zone and include the West Veins and East Veins. The most significant intersection released to date is from drill hole BC-09-24B with 11.09 grams per tonne gold over 13.75 metres core length. This intersection is illustrated on longitudinal projection as being approximately 700 metres below the current workings and approximately 350 metres east of the shaft, down a projected plunge from the remaining historical resources outlined and the mineralization previously mined. Drilling by Lake Shore is on widely spaced centres ranging

from 50 to 200 metres. Additional drilling is required at a minimum of 50 metres spacing to outline additional resources. The driving of the decline to the A-Horizon and Vogel will enhance the geological, structural and mineralized zone knowledge, to better test the mineralized zones and increase the confidence level of block modeling by determining how the zones behave vertically and horizontally.

The internal quality control from the assay laboratories with respect to their assay blanks and standards appears to be satisfactory. One of the two laboratories has less constraint on the numerical difference between duplicate or check assays tested compared with the other laboratory. In the 1980's Canamax Resources Inc. noted difficulties of repeating sample assays due to a gold nugget effect. The author did not see any serious discrepancies in the differences between samples within mineralized zones. Failure of Lake Shore's inserted standards to return assay results within 3 standard deviations of the mean value of the standard is resulting in some assays having to be re-analyzed. Establishing a protocol for inserting blind standards, blanks and duplicates into the drill core sample stream is strongly recommended.

The available magnetic survey data within the boundaries of the Bell Creek Complex is of insufficient quality to interpret lithological contacts and differences between ultramafic metavolcanic rocks, the mafic metavolcanic rocks and the metasedimentary rocks. To aid with the interpretation a VTEM high resolution magnetic and electromagnetic survey is recommended. The VTEM system will penetrate to a depth of +300 metres, which will increase the depth of the geophysical knowledge below the historical surface geophysical surveys, and aid in the interpretation of future exploration targets.

Lake Shore Gold Corp. has a present budget in place to maintain the Bell Creek mine and mill facility; and includes the dewatering of the underground workings, the surface diamond drilling of the Bell Creek deep zones from Bell Creek onto the Schumacher property and the driving of an access to the A-Horizon and Vogel mineralized zones.

Proposed is an additional budget to complete the following:

Interpretive geology and resource modeling:		\$40,000
Diamond drill testing:		
1) -750 metres level at Bell Creek:	18,000 metres	\$2,520,000
2) Underground at Bell Creek:	29,000 metres	\$2,030,000
3) Surface at Bell Creek, Schumacher And Vogel:	17,000 metres	\$3,060,000
Airborne High Resolution Magnetic and EM Survey:		
	8.5 km X 5 km	\$123,000
Total Recommended budget		\$7,773,000

A follow up program, the details of which are dependent upon the results of the present and proposed budget, will have to be cost estimated and is beyond the scope of this report. The proposal should include detailed mapping of the underground drive, establishment of crosscuts and raises on the Vogel mineralized systems, detailed sampling. A further program of underground diamond drilling at Vogel may have to take place to determine resource blocks. A bulk sample should be taken and reconciled against the sample medium of core, muck and chip samples. This reconciliation should give strength and validity to the expectations of the resource calculation.

2.0 INTRODUCTION AND TERMS OF REFERENCE

2.1 Introduction

Lake Shore Gold Corp. ("Lake Shore", "LSG") is a public company listed on the TSX Exchange and trading under the symbol LSG. The corporate head office is located in Toronto, Ontario, at 181 University Avenue, Suite 2000, M5H 3M7.

Lake Shore was founded in 2002 to explore for precious and base metals hosted within the Quebec and Ontario portions of the Canadian Shield. Information taken from Lake Shore's internet website lists their major projects and grade estimates within the Porcupine Mining Camp. These projects include the Bell Creek Mine and Mill complex, Timmins Gold Project (Timmins Mine) formerly referred to as the West Timmins Project, and the Thunder Creek Project. SRK Consulting (Canada) Inc. ("SRK"), present a NI 43-101 compliant resource estimate for the Timmins Mine that includes: 3,268,000 tonnes at 8.62 grams per tonne gold, cut (905,000 contained ounces gold) or 12.29 grams per tonne gold (uncut) (1,291,000 contained ounces gold) in the indicated resource category; and an additional 968,000 tonnes with an average grade of 5.62 grams per tonne gold in the inferred resource category. The Bell Creek Complex includes historical, non NI 43-101 compliant indicated resource of 190,000 tonnes at 8.3 grams per tonne gold for 50,641 contained ounces of gold, plus an inferred resources for the Bell Creek Mine of 346,000 tonnes at 7.70 grams per tonne gold for 85,880 ounces gold (uncut); the Vogel property at 642,000 tonnes at 12.2 grams per tonne gold containing 261,200 ounces of gold in non-compliant measured, and indicated description plus an additional non compliant inferred resource of 933,800 tonnes at 12.2 grams per tonne gold for 379,800 ounces of gold; and the Schumacher property with a historical measured and indicated resource of 156,000 tonnes at 5.99 gram per tonne gold for 30,043 ounces of gold (uncut) (Lake Shore Gold Corp. webpage, <http://www.lsgold.com/explorationBellCreekComplex.html>, 2009).

This report is intended as an independent National Instrument 43-101 Technical Report presenting the results of diamond drill programs completed by Lake Shore Gold Corp. testing the Bell Creek Complex containing the Vogel, Schumacher and the Bell Creek Mine and Mill properties during the period of August 2005 to July 31, 2009.

2.2 Terms of Reference

David Powers Geological Services ("DPGS") was retained by Lake Shore Gold Corp. to carry out an independent technical review of the diamond drill exploration programs completed within the Bell Creek Complex property (the "Property") between August 2005 and July 31, 2009. The review commenced July 28th, 2009 and continued to September 30, 2009.

DPGS's assignment consisted of:

- Reviewing diamond drill logs and assay data generated from programs initiated in 2005 to July 31, 2009;
- Undertake site field visits confirming data drill locations;
- Review the lithology and mineralization styles seen and interpreted in diamond drill core, at the core shack with Lake Shore personnel; and

- Prepare a National Instrument 43-101 compliant report intended to present the results of diamond drill programs completed by Lake Shore Gold Corp. testing the Bell Creek Complex containing the Vogel, Schumacher and the Bell Creek Mine and Mill properties during the period of August 2005 to July 31, 2009.

It is not the purpose, or scope of this report to audit the interpretation or the resource modeling that Lake Shore Gold Corp. is updating. As diamond drill information is received Lake Shore's interpretation is being modified to reflect the new data.

DPGS's review has been completed, and this report was prepared in compliance with the standards of the Canadian Securities Administrators' National Instrument 43-101 ("NI 43-101").

2.3 Sources of Information

During the preparation of this report, DPGS relied on technical reports and data supplied by Lake Shore at their exploration office and project core processing facility situated at 1515 Government Road South, Timmins, Ontario.

Historical "T-File" assessment reports were reviewed at the Ministry of Northern Development, Mines and Forestry ("MNDM") office at the Ontario Government Complex, Highway 101 East, Timmins (Porcupine), Ontario. Assessment reports were accessed from the web by searching the Assessment File Research Imaging ("AFRI") at: www.geologyontario.mndm.gov.on.ca/.

Copies of the option agreements for the Bell Creek, Schumacher and Vogel properties have been reviewed by DPGS and found to be in order as presented to the public in Lake Shore Gold Corp.'s news releases. Press release data has been reviewed and extracted from the company's site hosted on SEDAR: <http://www.sedar.com/DisplayProfile>.

Both paper copies and electronic copies of the assay certificates were viewed and examined from Swastika Laboratories Ltd., of 1 Cameron Ave, P.O. Box 10, Swastika, Ontario P0K 1T0 (telephone: 705.642.3244), and ALS Laboratory Group, Minerals Division, ALS Chemex, www.alschemex.com.

The "Technical (Geological) Report on the Bell Creek Complex, Hoyle Township, Porcupine Mining Division, Ontario, Canada" prepared for Lake Shore by Hadyn Butler P.Geo., (2008) and filed on the SEDAR website describes in detail the properties, historical work, the non-compliant NI 43-101 resource calculations, the current exploration program and recommendations for exploration.

The author's introduction to the geology of portions of the Bell Creek Complex project took place thirteen years ago with a property review of the Vogel assets on behalf of Placer Dome North America Limited. While in the employ of Placer Dome (CLA) Limited, Porcupine Joint Venture, and Placer Dome Canada the author reviewed updated exploration activities and participated in infrequent site visits to the Bell Creek and Marhill properties. The most recent site visit was carried out on September 30, 2009. On September 24th, September 29th and September 30th, 2009 selected diamond drill

hole cores were observed, reviewing geology, and mineralization location and styles. Assay protocols and sample locations, were observed and compared with selected drill logs. The core storage was reviewed for completeness and security. Located in Appendix 4 are photographic plates taken during the site visits. The photographic captions are self explanatory.

Documents used for background information and project details during the preparation of this report are listed in the section "References".

2.4 Units and Currency

Metric and Imperial units are used throughout this report. Canadian dollars ("**C\$**") is the currency used unless otherwise noted. On September 30, 2009 the exchange rate was approximately \$1 US dollar to 1.069 C\$.

Common conversions used included converting one ounce of gold to grams gold with a factor of 31.104 grams/troy ounce; and one ounce gold per ton with a conversion factor of 34.29 grams gold per tonne.

Table 2.4.1 lists the common abbreviations that are used in the report.

Table 2.4.1 Abbreviations

<u>Abbreviation</u>	<u>Unit or Term</u>
AA	Atomic Absorption
Ag	silver
Au	gold
AZ,	azimuth
cm	centimeter
°	degree (degrees)
ddh	diamond drill hole
ft	foot (feet)
g	gram
gpt	grams per tonne
ha	hectare
kg	kilogram
km	kilometre
m	metre
mm	millimetre
M oz	million troy ounces
M g	million grams
Mt	million tonnes
Ma	million years
NI 43-101	Canadian National Instrument 43-101
oz	ounce
p.	page
%	percent
ppb	parts per billion
ppm	parts per million
QA/QC	Quality Assurance/Quality Control
RQD	Rock Quality Description
t	metric tonne (2,000 kg) (2,204.6 pounds)

2.5 Disclaimers

This report or portions of this report containing pertinent technical information are not to be reproduced or used for any purpose other than those noted above, without the prior written consent of the author. The author does not assume any responsibility, or liability for losses occasioned by any party as a result of the circulation, publication, or reproduction, or use of this report contrary to the provisions of this paragraph.

3.0 RELIANCE ON OTHER EXPERTS

3.1 Reliance on Other Experts

The author has prepared this report using a combination of public available and confidential information. This report is sourced from an amalgamation of several reports listed in the section labeled "References". Qualified Persons (QPs), Richard Labine, P.Geo. and Stephen Conquer, P.Geo. are Lake Shore Gold Corp.'s QPs responsible for overseeing and reporting the exploration programs surveyed at the Bell Creek Complex properties. Their knowledge and the documentation provided were instrumental in the preparation of this report. The author has reviewed diamond drill logs, and assay certificates issued during the exploration diamond drill phase from August, 2005 to July 31, 2009 and have found them to be consistent, and believe the data to be reliable within acceptable parameters.

Figures for this report have been prepared by Tom Savage, in the employ of Lake Shore Gold Corp. and modified at the request of the author.

Bob Kusins, P.Geo, and Lake Shore Gold Corp.'s Chief Resource Geologist provided the quality control checked digital database for the Vogel and Schumacher properties.

Under direct supervision of R. Labine and S. Conquer the following persons are responsible for the diamond drill logs, core logging and preparing the drill core for assay sampling: R. Allard, A. Camuti, L. S. Chartrand, S. Conquer, J. Figueroa, L. Krupka, R. Labine, R. Maass, J. McKenzie, and N. Tribble. It is from their diamond drill logs that the author was able to assemble summaries of Lake Shore's diamond drill logs for the Property.

Permit information was provided by H. Ollila, Manager, Environmental Affairs, for Lake Shore Gold Corp.

Portions of this report have been quoted from Hadyn R. Butler's "Technical (Geological Report on the Bell Creek Complex" (2008).

4.2 Past Mining Activity, Environmental Liabilities and Permitting

Lake Shore Gold Corp.'s Bell Creek Complex project is a collection, by acquisition, of three properties consisting of: the Bell Creek Mine and Mill Complex, The Schumacher, and the Vogel. The Bell Creek Mine is a past producer that operated between 1987 and 1994. Since May of 2005 and prior to Lake Shore's acquisition of the property it remained dormant, on a care and maintenance status. During the period of 1989 to 1991 Bell Creek was operated and mined by Canamax Resources Inc. Falconbridge Gold Inc. operated the mine between 1991 and 1992. Kinross Gold Corporation explored and operated the facility from 1993 to 1994. In 2005, the Porcupine Joint Venture (PVJ), a joint venture between Placer Dome Canada Ltd., and Kinross Gold Corporation, diamond drill tested the property with 39 bore holes totaling 11,606 metres. The test holes were mostly bored into the West Zones. These zones were identified by PJV geologists as having the best potential for building resources. The Zones are presently referred to by Lake Shore geologists as the West Veins 1 to 8. These Veins are situated west of the shaft and between the previously mined A-Zone and West Zone. Six diamond drill holes tested a similar array of veins east of the shaft referred to as the East Zones (East Veins 1 to 8). During the period of 1987 to 1994 the Timmins Regional Resident Geologists records indicate 576,017 tons were mined producing 112,739 ounces of gold at an average grade of 0.196 oz/ton (6.72 grams per tonne).

All required permits and closure plans for the advanced exploration programs have been acquired, submitted, received and are active. The tailings facility is managed by Lake Shore staff and is inspected on a scheduled basis by Golder Associates. An exploration agreement is in place with First Nations (Ollila, H., 2009 personal communication). The tailings treatment facilities are illustrated in Figures 4.3.1 and 5.4.1.

The exploration programs at the Bell Creek Complex are considered to be advanced exploration and are designed to determine if there are sufficient economic gold resources, which can be mined, milled and refined at a profit. If a positive feasibility study is completed and a production decision made the Mining Act requirements include notifications, public and First Nations consultation, closure plans and financial assurance. Acceptance of a closure plan by the Ontario Ministry of Northern Development, Mines and Forestry ("MNDM") would provide the rights for Lake Shore to proceed under the Mining Act. In Ontario the MNDM is the lead government regulation agency and the acceptance of a closure plan by the MNDM would provide rights for Lake Shore to proceed under the Mining Act.

The Ontario Ministry of the Environment ("MOE") issues permits to take water (both surface and groundwater) and to emit noise and dust. Should Lake Shore proceed with the recommendations in this report, then wastewater treatment and effluent discharge, including the construction of ditches and/or berms to control water flow, are governed by the Ontario Water Resources Act ("OWRA"), and include the required permits for storm water management. Solid waste management, noise and/or air emissions are provided for under the Environmental Protection Act ("EPA"). The Ontario Ministry of Natural Resources ("MNR") may require permits for creek crossings or impoundment structures (dams) under the Lakes and Rivers Improvement Act ("LRIA"). The Ontario Ministry of Labour ("MOL") is mandated to set, communicate, and enforce workplace standards; specifically for Health and Safety under the Occupational Health and Safety Act, Employment Standards and Labour Relations. Prior to the commencement of future activity, Lake Shore would have to serve written notice to the MOL. In the future also,

federal permits under the Fisheries Act, the Environmental Protection Assessment Act, and Metal Mining Effluent Regulations would trigger assessment and permitting requirements. Lake Shore is in the process of applying and obtaining all applicable permits for the Bell Creek Complex (Butler, H.R., 2008).

From the Ministry of Natural Resources' Species at Risk in Ontario ("SARO") list, the following species could range within the Project area.

(<http://www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/246809.html>)

Table 4.2.1 Species at Risk

Common Name	Scientific Name	OMNR Status
Lake Sturgeon	<i>Acipenser fluvescens</i>	special concern
Golden Eagle	<i>Aquila chrysaetos</i>	endangered
Short-eared Owl	<i>Asio flammeus</i>	special concern
Eastern Wolf	<i>Canis lupus lycaon</i>	special concern
Black Tern	<i>Chlidonias niger</i>	special concern
Yellow Rail	<i>Coturnicops noveboracensis</i>	special concern
Monarch Butterfly	<i>Danaus plexippus</i>	special concern
Bald Eagle	<i>Haliaeetus leucocephalus</i>	special concern
Peregrine Falcon	<i>Falco peregrinus</i>	threatened
Eastern Cougar	<i>Puma concolor</i>	endangered

The author is not aware of any of these species being present within the area of the Property.

4.3 Property Description

The Bell Creek Complex project is an amalgamation of three properties that Lake Shore Corp. has acquired under separate agreements. On March 07, 2007, D. Innes, Chairman and B. Booth, President announced the acquisition of the Vogel property from Black Hawk Mining Inc. (a wholly owned subsidiary of Glencairn Gold Corporation). Under the terms of the agreement, Lake Shore acquired 100% of Black Hawk's interests under the mining lease on the property by making initial cash payment of \$3,000,000 and issuing 100,000 shares of the Company. A further cash payment of \$500,000 will be payable to Black Hawk, once a National Instrument 43-101 compliant indicated resource of 600,000 ounces of gold has been confirmed on the property.

On December 01, 2005 a Lake Shore news release announced and outlined the agreement made with Canada Trust Company (surviving trustee of the Frederick William Schumacher) to acquire the Schumacher Estate property located west and contiguous with the Vogel property. Under the terms of this agreement, Lake Shore, leased a 100% interest in the property by making cash payments totaling \$150,000, payable over two years and incurring exploration expenditures of \$500,000 over three years. In addition Lake Shore will pay an advanced annual royalty of \$25,000 in years 4 to 6 and \$50,000 in years 7 to 9 and a production royalty of 2% net smelter returns (Innes, D., Booth, B., 2005).

Lake Shore, on January 31, 2007, announced that the company has entered into a binding letter of agreement with Goldcorp to acquire the Bell Creek Mine and Mill

complex. A March 30th 2007 news release states that the two companies agreed to amend their binding letter of agreement to extend the due diligence period on the acquisition until the close of business in Toronto on April 20th 2007. An announcement on December 18, 2007 states the acquisition of the Bell Creek mine and mill complex as being finalized. Consideration for the acquisition consists of \$7.5 million in cash and \$2.5 million worth of Lake Shore shares at a price of \$1.51 per share (1,655,629 shares) as well as two million warrants exercisable for a period of two years at \$2.41 per share (Innes, D., Booth, Brown, M., 2005).

Figure 4.3.1 is a Claim Sketch Map illustrating claim information and boundaries relative to topographic and cultural features.

4.4 Recent Ownership History and Underlying Agreements

Three separate agreements have been executed for the acquisition of the Bell Creek Mine and Mill, the Schumacher Estate, and Vogel Boer War “Vet Lot”. The highlights or summaries have been released to the public in press releases announcing each agreement and a detailed description is provided in Haydn Butler’s Technical (Geological) Report on the Bell Creek Complex, Hoyle Township, dated April 29, 2008. The author has reviewed the agreements and Mr. Butler’s summaries. The following summary of the underlying agreements has been taken from Butler (2008). Table 4.4.1 includes property description and underlying royalties.

4.4.1 Vogel Property

“In 2005, Lake Shore purchased a 100% interest in the mining lease that is the Vogel Property, a surveyed lot occupying the north half of Lot 8 Concession I in Hoyle Township (parcel 20011SEC), within the boundaries of the City of Timmins. The Property is a freehold patent with both surface and mining rights (granted by the Crown before May 6, 1913) – a Boer War “vet lot” and as such has no requirement to file assessment reports with the Ministry of Northern Development and Mines (“MNDM”). As a “vet lot” in a surveyed township, its boundaries are fixed precisely for an area of ~64 hectares (~160 acres, Figure 4.3.1).

The Property is subject to a maximum 3% net smelter royalty (with annual advance royalty payments of US\$50,000). Upon Lake Shore's delivery to the vendor, Black Hawk Mining Inc., of a NI 43-101 technical report showing an indicated resource of 600,000 ounces of gold, Lake Shore is required to make further cash payment of \$500,000.”

4.4.2 Schumacher Estate Property

“In November 2005, Lake Shore signed a 20-year lease agreement giving Lake Shore a leasehold interest in the surface and mining rights on the Schumacher property. The lease is renewable for a further 20-year term. The Schumacher III Estate Property has its eastern boundary contiguous with the Vogel Property occupying the north half of Lot 9 Concession I in Hoyle Township (parcel 1598SEC), within the boundaries of the City of Timmins. The Property is a freehold patent with both surface and mining rights – a Boer

War “vet lot” with legal title and rights similar to the Vogel Property. Its boundaries are fixed precisely covering an area of ~64 hectares (~160 acres, Figure 4.3.1).

Lake Shore is required to pay an advanced annual royalty of \$25,000 in years four to six of the lease and \$50,000 in years seven to nine of the lease and pay a production royalty of 2% of net smelter returns.”

4.4.3 Bell Creek Assets and Underlying Agreements

“The Bell Creek Assets lie immediately to the west and northwest contiguous to the Schumacher III Estate Property and comprise approximately 320 hectares.

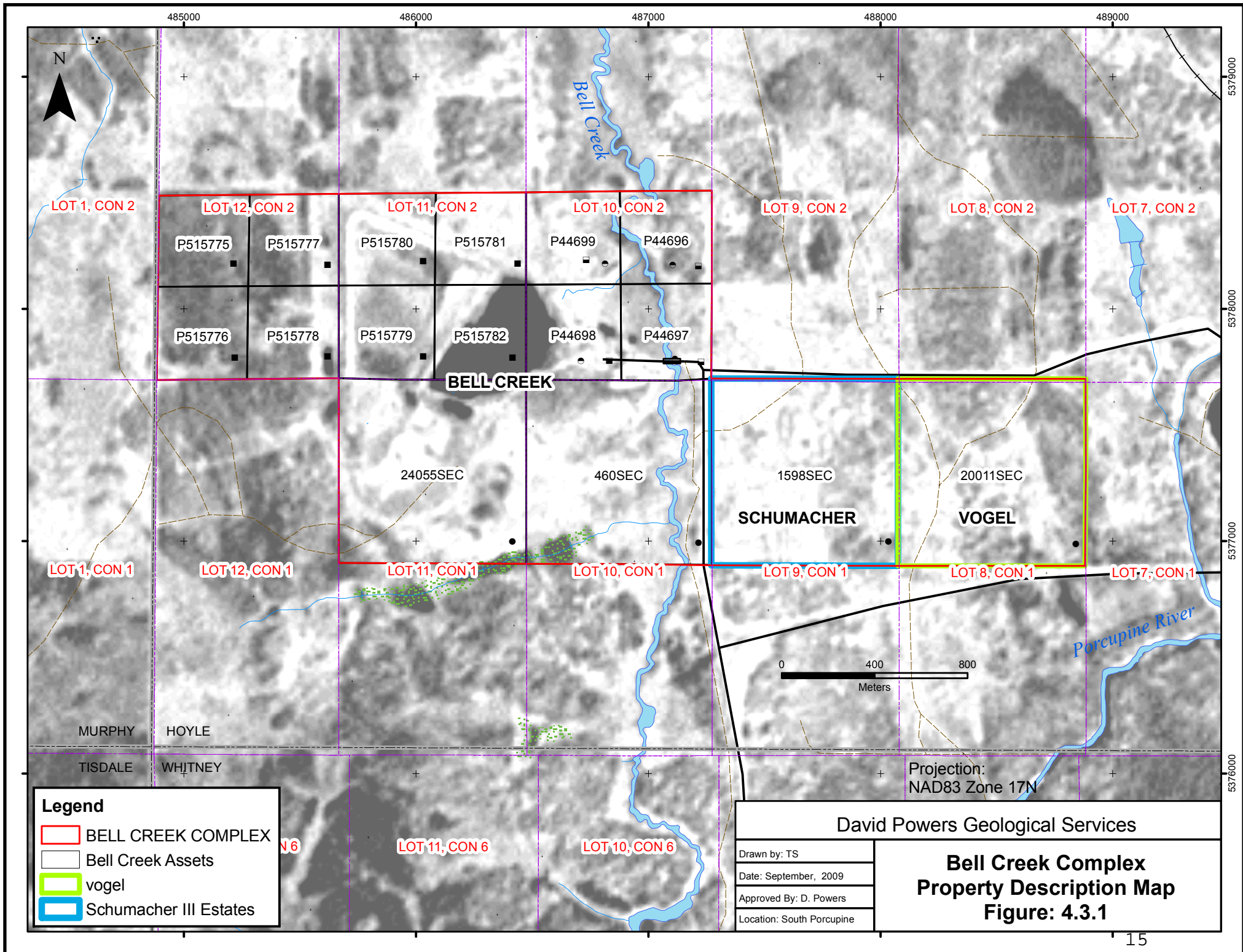
The Bell Creek Assets are subject to a royalty payable to the PJV of 2% of the net smelter returns on the Bell Creek Assets. However, Lake Shore and the PJV have acknowledged that the Bell Creek Assets are encumbered by underlying royalties that will have to be shared or renegotiated, as the case may be, before the PJV royalty applies.”

Table 4.4.1 Property Description and Underlying Royalties

Property	Patent Claim No.	Property	Surface Rights	Mining Rights	Location		Area Hectares	Underlying Agreement	Royalty
					Concession, Lot				
Vogel		Parcel 20011 SEC	Freehold	Freehold	I, 8	north half	64	Mary Vogel	3% NSR
Schumacher Estate		Parcel 1598 SEC	Freehold	Freehold	I, 9	north half	64		2% NSR
Bell Creek Mine and Mill	P515775	1338LC	Leasehold	Leasehold	II,12	south half	16	Allerston-Rosario	10% NPI
Bell Creek Mine and Mill	P515776		Leasehold	Leasehold	II,12	south half	16		
Bell Creek Mine and Mill	P515777		Leasehold	Leasehold	II,12	south half	16		
Bell Creek Mine and Mill	P515778		Leasehold	Leasehold	II, 12	south half	16		
Bell Creek Mine and Mill	P515779	1338LC	Leasehold	Leasehold	II,11	south half	16	Allerston-Rosario	10% NPI
Bell Creek Mine and Mill	P515780		Leasehold	Leasehold	II, 11	south half	16		
Bell Creek Mine and Mill	P515781		Leasehold	Leasehold	II, 11	south half	16		
Bell Creek Mine and Mill	P515782		Leasehold	Leasehold	II, 11	south half	16		
Bell Creek Mine and Mill	P44696	155LC	Freehold	Leasehold	II, 10	south half	16	Broulan-Enermark	5% NSR
Bell Creek Mine and Mill	P44697		Freehold	Leasehold	II, 10	south half	16		
Bell Creek Mine and Mill	P44698		Freehold	Leasehold	II, 10	south half	16		
Bell Creek Mine and Mill	P44699		Freehold	Leasehold	II, 10	south half	16		
Bell Creek Mine and Mill	Patent	24055 SEC (M)/15504 SEC (S)	Freehold	Freehold	I, 11	north half	64	Fisher et al.	10% NPI
Bell Creek Mine and Mill	Patent	460 SND (M)/1755 SEC (S)	Freehold	Freehold	I, 10	north half	64	Prentice et al.	10% NPI

(M) mining rights
(S) surface rights

The Bell Creek Assets are subject to the underlying agreements seen in Table 4.4.1 above and are described as follows:



- a) *"The Allerston-Rosario Agreement* - a registered agreement (402978) between Ralph Allerston and Canamax Resources (formerly Rosario Resources) whereby Allerston shall retain a 10% Net Profit Interest ("NPI") from any commercial production. The NPI may be purchased for \$400,000 (previous payments have been completed – as required), and after the lump sum payment of \$400,000 the NPI will no longer be payable. The lands affected are under 1338LC (leasehold patent mining and leasehold patent surface rights) being the south halves of Lots 11 and 12 Concession 2 in Hoyle Township.

- b) *The Broulan-Enermark Agreement* – a registered agreement dated January 8, 1980 (304105) between Broulan Reef Mines Ltd. ("Broulan") and Rosario Resources Canada Ltd., then assigned to Amax of Canada Ltd. (on December 30, 1981) and then assigned to Falconbridge Gold Corp. (in 1991), whereby Broulan retains a 5% NSR on the lands adjusted as per a schedule to be paid 30 days after the end of each quarter. If production is not sold in the quarter, the NSR is not payable for unsold production. Enermark/Enerplus has amalgamated with Broulan Reef Mines Ltd./Broulan Resources Inc., and appears to be the recipient of any royalty agreements. The lands affected are under leasehold patent 155LC mining rights only. The surface rights under freehold patent 3559SEC are not under any obligation of the Broulan/Enermark Agreement.

- c) *The Fisher et al. Agreement* – a registered agreement (316796) between Casselman, Casselman, Fisher ("CC&F"), and Rosario Resources Canada Ltd., whereby CC&F shall be paid a 10% NPI from any commercial production from the lands within 6 months of the end of each fiscal year of operation of the mining property. The 10% NPI can be purchased for \$100,000, above the original option payments. The lands affected are under freehold patent 24055SEC mining rights and freehold patent 15504SEC surface rights.

- d) *The Prentice et al. Agreement* – an unregistered agreement (dated July 16, 1979) between D.F. Prentice, R. McLennan, J.F. McLennan, A. Robertson, St. Andrews Church and Rosario Resources Canada Ltd. wherein Prentice *et al.*, shall retain a 10% NPI from any commercial productions from the lands. The 10% NPI can be purchased for \$100,000 above the original option payments. The lands affected are under freehold patent 460SND mining rights only. The surface rights under freehold patent 1755SEC are not part of this agreement" (Butler, 2008).

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES AND INFRASTRUCTURE AND PHYSIOGRAPHY

5.1 Access

Access to the Bell Creek Complex is gained via Florence Street, a 6.7 kilometre long asphalt and gravel road, north of Highway 101. The project is situated approximately 564 kilometres north-north-west of Toronto. The centre of the project is located within National Topography Series Map reference 42-A-11 Southeast; at longitude 81.18° West, 48.55° North latitude. Universal Transverse Mercator ("UTM") co-ordinates for the project centre utilizing projection North American Datum ("NAD") 83, Zone 17 are approximately 486,766 metres East, 5,377,636 metres North.

Figure 4.1.1 Location Map, illustrates the Project area relative to the highways, City of Timmins and the City of Toronto.

5.2 Climate

The project area, and the City of Timmins experience a continental climate with an average mean temperature range of -17.5°C (January) to +17.4° (July) and an annual precipitation of about 831mm. Table 5.2.1 summarizes the most up to date tabulation from Environment Canada for a 15 year period of average temperatures and precipitation values taken at the Timmins Airport between 1971 and 2000.

(http://www.climate.weatheroffice.ec.gc.ca/climate_normals/index_e.html)

Table 5.2.1 Average Temperatures, Precipitation and Snow Fall Depths for the Timmins Area

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature													
Daily Average (°C)	-17.5	-14.4	-7.7	1.2	9.6	14.7	17.4	15.7	10.3	4.2	-4	-13.2	1.3
Daily Maximum (°C)	-11	-7.5	-0.9	7.6	16.6	21.7	24.2	22.3	16.1	8.9	0.1	-7.8	7.5
Daily Minimum (°C)	-23.9	-21.3	-14.5	-5.2	2.5	7.5	10.5	9.1	4.4	-0.6	-8.1	-18.7	-4.9
Precipitation													
Rainfall (mm)	2.9	1.6	14.7	26.6	62.7	89.1	91.5	82	86.7	64	29.5	7	558.1
Snowfall (cm)	61.7	40.6	49.9	27.5	6.7	0.4	0	0	1.6	14	45.7	65.4	313.4
Precipitation (mm)	53.9	36.6	59.4	52.8	69.2	89.4	91.5	82	88.3	76.8	69.6	61.9	831.3
Average Snow Depth (cm)	58	66	58	25	1	0	0	0	0	0	7	29	20

Local lakes start to freeze over approximately mid November, with spring breakup taking place in early to mid May. Work can be carried out on the Property twelve months a year.

5.3 Local Resources and Infrastructure

The local economy of Timmins is dominated by the mining and logging industries. Timmins is one of Canada's largest municipalities with an area of 3,210 square kilometres. The 2006 Census indicates the population to be 42,455 persons. The area is serviced from Toronto via Highways 400, 69 to Sudbury; and Highway 144 to Timmins; or Hwy 11 from Barrie to Matheson and 101 westward to Timmins. The Victor M. Power Airport has scheduled service provided by Air Canada Jazz, Bearskin Airlines and Air Creebec. The Timmins District Hospital is a major referral health care centre for northeastern Ontario.

All weather road access and electrical power transmission lines are established and operational to the Bell Creek mine and mill. An experienced mining labour pool is accessible in the Timmins area.

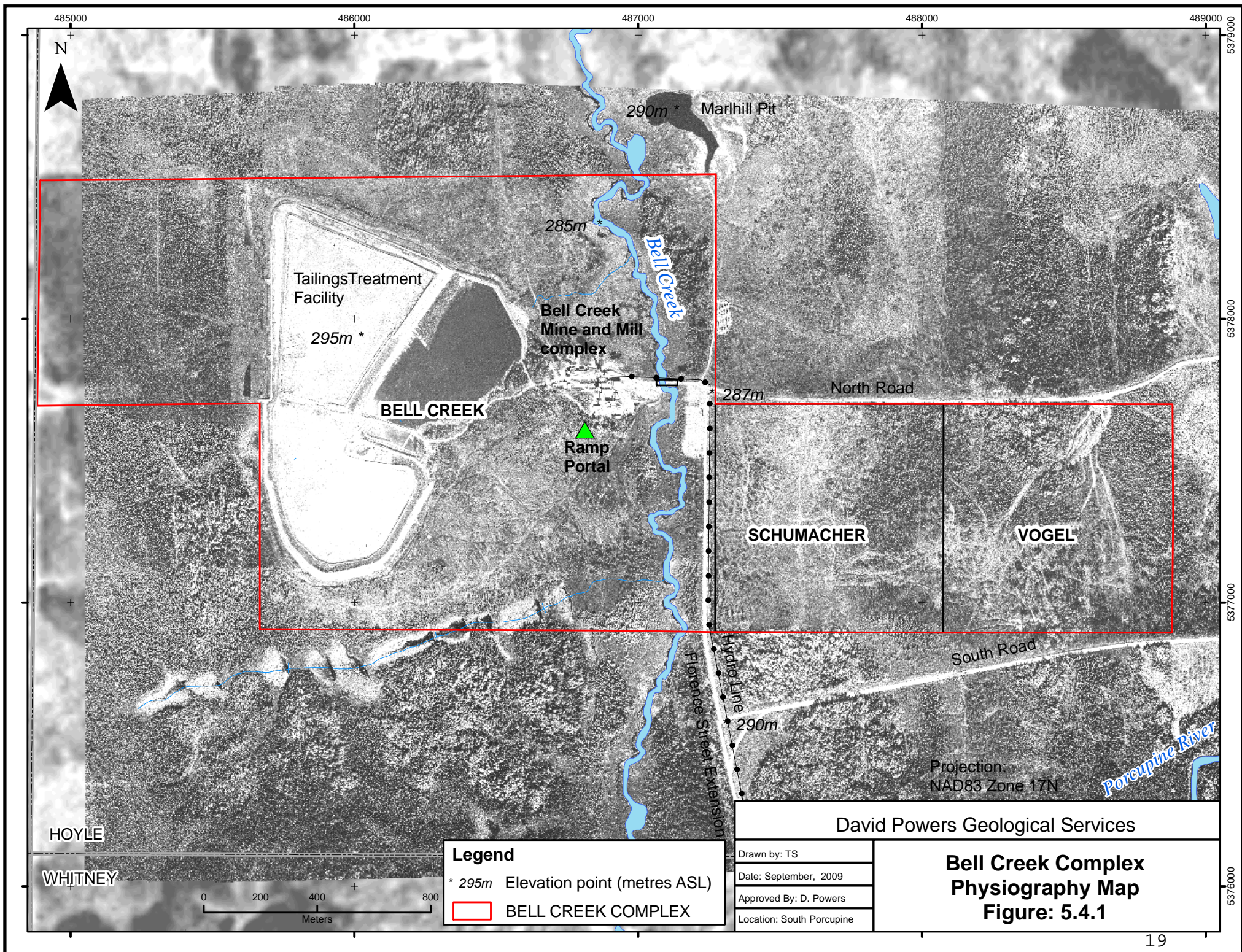
5.4 Physiography

The Property exhibits low to moderate topographic relief. A base elevation at the junction of Florence Street and the Bell Creek to Hoyle Pond service road is approximately 287 metres above sea level. A peak height of land near the property centre rises to an elevation of 297 metres. Bell Creek ranges in elevation between 285 and 298m. Drainage is characterized by slow, meandering creeks and rivers into the Arctic watershed. Bell Creek flows north-northwest across the Property into the Porcupine River. Outcrop exposure is less than three (3) percent.

Figure 5.4.1 illustrates the property boundaries of the Bell Creek Complex property and Hoyle Township draped over a landsat panchromatic image of the area.

The Timmins area is situated in plant hardiness zone 2a which supports boreal forest tree species and an active timber, pulp and paper industry. In no particular order of significance local trees species include: American Mountain-Ash, Balsam Fir, Black Spruce, Eastern White Cedar, Eastern White Pine, Jack Pine, Pin Cherry, Red, Tamarack, Trembling Aspen, White Birch, White Spruce and Speckled Alder.

Timber was harvested from the Vogel and Schumacher portions of the Property in 1997. A small stand of trees was removed from west of the Bell Creek headframe in 2009.



6.0 HISTORY

6.1 General History

The north and westward extension of the Temiskaming and Northern Ontario railway, and Niven's survey lines from Cobalt allowed new access for the discoveries of gold near Porcupine Lake. In the early 1900's E.M. Burwash noted traces of gold in quartz veins along Niven's baseline while he was employed by the Ontario Bureau of Mines (1896), and was assigned to Niven's survey crew. In 1899 W.A. Parks, also working for the Ontario Bureau of Mines and attached to Niven's survey crew noted an occurrence of gold in quartz veins along the portage route from the Mattagami River to Night Hawk Lake. He reported "I regard the region south of the trail to Porcupine Lake as giving promise to the prospector" (Burrows, A.G., 1911, 1915; Dunbar, R., 1948). While prospecting for the Algoma Central Railway (1901) Charles Camsell worked on a vein occurrence returning low grade gold. This property would become part of the Hollinger Mine. In 1907 the Temiskaming and Northern Ontario Railway reached Nellie Lake (Iroquois Falls). These gold discoveries helped create interest in the Porcupine area and began a rush that defined the Porcupine Gold Camp. A.G. Hunter in 1908 staked claims along the east shore of Porcupine Lake protecting a native gold showing associated with a shear zone occupied with quartz and schist. 1909 was a year of major discoveries of the Vipond, Dome and Hollinger mines and the birth of the Porcupine Gold Camp.

Prior to the 1960's little geological work is found in public files, or reported by the provincial geological survey for the Bell Creek Complex area. Work completed by the Ontario Geological Survey and the Ontario Department of Mines in the Hoyle Township area include the following reports and maps:

- 1924 Rose (1924) produced the first geological map of Hoyle Township, Map: ARM33d.
- 1941 Berry (1941) mapped Hoyle Township and the southern part of Gowan Township as part of the Bigwater Lake Area, Map ARM48N.
- 1964 Ginn et al. compiled the first small scale map covering Hoyle and Gowan Townships (1:253,4400 scale) The map was revised in 1973.
- 1980 Timmins Data Series, Hoyle Township, preliminary map P2088m Hunt, D.S., Maharaj, D.
- 1983 Preliminary Map, P2680: Quaternary geology, Pamour area, Cochran district, Richard, J.A.
- 1988 Map 81072 Airborne Electromagnetic Survey, Total Intensity Magnetic Survey, Hoyle Township Geoterrex Limited Survey date 1987.
- 1991 Open File Map, OFM0175: Geology of Hoyle and Gowan Townships, Berger. B. R.
- 1992 Open File Report, OFR5833: Geology of Hoyle and Gowan Townships, District of Cochrane, Berger. B. R.
- 1998 Report, R299: Precambrian Geology, Hoyle and Gowan Townships, District of Cochrane, Berger. B. R.
- 1998 Map, M2532: Precambrian Geology, Hoyle Township, Berger, B. R.
- 1999 Open File Report, OFR5985: Special Project: Timmins Ore Deposit Description, Pressacco, R.
- 2001 Map, M2655: Quaternary Geology, Pamour Area, Richard, J. A.

- 2005 Open File Report, OFR6158: The Timmins-Porcupine Gold Camp, Northern Ontario, the Anatomy of an Archean Greenstone Belt and Its Gold Mineralization: Discover Abitibi Initiative. Bateman, R., Ayer, J.A., Dubé, B., Hamilton, M.A.
- 2005 Preliminary Map, P3547-REV: Precambrian Geology, Parts of Whitney and Hoyle Townships, Bateman, R.

Historical “T-Files” assessment reports can be reviewed at the Ministry of Northern Development, Mines and Forestry (“MNDM”) office at the Ontario Government Complex, Highway 101 East, Timmins (Porcupine), Ontario; and Assessment File Research Imaging (“AFRI”) at: www.geologyontario.mndm.gov.on.ca/. In his Technical Report Hadyn Butler (2008) provides a excellent historical review of the Property.

Table 6.0.1 lists the report files with information that have added to the geological understanding and interpretation of the area surrounding the Bell Creek Complex. This lists serves as a chronological summary of companies and work performed in the Bell Creek Complex Properties area.

Table 6.1.1: Assessment Reports For the Bell Creek Complex Area

File Number or AFRI Number	Year	Company/Group	Work Type				Other	Comments
			Diamond Drilling Number of Holes	Total (m)	EM (km)	Geophysics Mag. (km)	Airborne EM-Mag (km ²)	
T-0447	1935	Broulan Reef Mines Ltd. (1935 & 1959)						
T-3587	1936	Johnston, T. A.	1	122				Hoyle Twp., Concession II, Lots 9, 10, 11
T-0309	1940	Alton, C.B.	14	2,845				Hoyle Twp., Concession I, Lots 9, 10.
T-3580	1941	Lanthe / Hollinger						Hoyle Twp., Concession I, Lots 9, 10.
42A11SE0335	1958	Broulan Reef Mines Ltd.						Hoyle Twp., Concession II, Lots 7, 8, 9, 10 (Marhill Area)
42A11SE0100	1959	Broulan Reef Mines Ltd.						Hoyle Twp., Concession II, Lots 7, 8, 9, 10.
42A11SE0112	1964	Copper Reef Mines	7	778				Hoyle Twp., Concession II, Lot 9.
42A11SE0111	1964	Rexton Mines Limited			22			Hoyle Twp., Concession II, Lots 11, 12.
42A11SE0101	1965	Texas Gulf Sulphur Company			24.8			Hoyle Twp., Concession II, Lots 7, 8.
42A11SE0304	1965	Texas Gulf Sulphur Company	4	808			10	Hoyle Twp., Concession II, Lot 1, 2, 3.
42A11SE0907	1965	Texas Gulf Sulphur Company	3	450				Hoyle Twp., Concession II, Lot 2.
42A11SE0907	1966	Canadian Nickel Company Ltd. (1966-71)	4	866				Hoyle Twp., Concession III, Lot 7.
42A11SE0103	1966	International Nickel Company of Canada	5	1,199				Hoyle Twp., Concession I, Lot 7.
42A11SE0102	1967	Texas Gulf Sulphur Company (1967-69)	2	216				Hoyle Twp., Concession I & II, Lot 5.
42A11SE0902	1967	International Nickel Company of Canada						Hoyle Twp., Concession II, Lot 4.
T-1321	1967	Texas Gulf Sulphur Company	1	169				diamond drilling and resource estimate Owl Creek - M.B. Kremko
42A11SE0903	1969	Texas Gulf Sulphur Company	1	174				Hoyle Twp., Concession II, Lot 5.
42A11SE0901	1969	Consolidated Manitoba Mines Limited						Hoyle Twp., Concession II, Lot 6.
T-1316	1969	Ralph Allerston (Rexton Mines Ltd.)						Hoyle Twp., Concession II, Lot 7
42A11SE0096	1971	Ralph Allerston			8.5			Hoyle Twp., Concession II, Lot 8.
42A11SE0375	1974	Ralph Allerston (L.P. Industries)	1	171				Hoyle Twp., Con. II, Lots 11 & 12; Murphy Twp., Con. III, IV, V, Lots 1 & 2.
42A11SE0905	1974	Ralph Allerston (L.P. Industries)			13.9			Hoyle Twp., Concession II, Lot 8.
42A11SE0104	1974	Canadian Nickel Company Ltd.	1	244				Hoyle Twp., Concession II, Lots 7 & 8.
42A11SE0086	1975	Ralph Allerston (L.P. Industries)			50.4			Hoyle Twp., Concession II, Lot 6.
42A11SE0086	1975	Ralph Allerston (L.P. Industries)						Hoyle Twp., Con. III, Lots 11 & 12; Murphy Twp., Con. III, IV, V, Lots 1 & 2.
42A11SE0082	1978	Rosario Resources Ltd.	1	152				Hoyle Twp., Concession II, Lot 11.
42A11SE0081	1978	Rosario Resources Ltd. (1978-79)	4	886				Hoyle Twp., Concession II, Lot 8.
42A11SE0083	1979	Rosario Resources Ltd.			107			Hoyle Twp., Con. II, III, Lots 7, 8, 11, 12; Murphy Twp., Con. I, II, III, Lots 1, 2, 3, 4.
42A11SE0084	1979	Rosario Resources Ltd.			29.44			Hoyle Twp., Con. II, III, Lots 7, 8, 11, 12; Murphy Twp., Con. I, II, III, Lots 1, 2, 3, 4.
42A11SE0078	1979	Rosario Resources Ltd.	23	545				Hoyle Twp., Concession II, Lots 7, 8, 11 & 12; Murphy Twp., Con. I, II, Lots 1, 2, 3, 4.
42A11SE0068	1981	Rosario Resources Ltd.	12	268				Hoyle Twp., Concession II, Lot 11.
42A11SE0074	1981	Rosario Resources Ltd.	2	193				Hoyle Twp., Concession II, Lot 11.
42A11SE0075	1982	Rosario Resources Ltd.	1	201				Hoyle Twp., Concession II, Lot 11. (Amox Log)
42A11SE0072	1982	Kidd Creek Mines Ltd.	1	124				Hoyle Twp., Concession II, Lot 7.
42A11SE0071	1982	Amox Minerals Exploration	3	401				Hoyle Twp., Concession II, Lot 11.
42A11SE0129	1982	Amox Minerals Exploration						Geological Report for projects within Hoyle and Murphy Twp.
42A11SE0062	1983	Canamax Resources Inc						Bell Creek Project Gold Recovery Study - Report 1
42A11SE0062	1983	Canamax Resources Inc	53	8,811				Bell Creek Project Feasibility Study
42A11SE0059	1983	Canamax Resources Inc	1	141				Bell Creek Project, Geological Report also Report of Geological Surveys Murphy Twp.
42A11SE0069	1983	Canamax Resources Inc	3	606				Hoyle Twp., Concession II, Lot 11.
42A11SE0134	1983	Canamax Resources Inc						Hoyle Twp., Concession II, Lot 10.
42A11SE0062	1983	Canamax Resources Inc	48	9,441	12			Bell Creek Sample Preparation and Analysis - E.J. Rowe, Amox (Denver)
42A11SE0062	1983	Canamax Resources Inc	12	2,640		12		Bell Creek Project, Progress Report 1983, Bell Creek, Wetmore, Rose Properties
42A11SE0064	1984	Canamax Resources Inc						Bell Creek Project, Progress Report 1984.
42A11SE0064	1985	Canamax Resources Inc	43	7,079	3.4			Bell Creek Project Gold Recovery Study - Report 2
42A11SE0118	1985	Canamax Resources Inc						Bell Creek Project, Progress Report 1985. Includes geophysics for Schumacher Property
42A11SE0118	1985	Canamax Resources Inc						Underground Exploration Activities, Bell Creek Project, 1985
42A11SE0913	1986	Syngold Exploration Inc. (1986-87)	31	14,207				West Owl Creek Project, Hoyle Twp. Concession 1, Lot 7
42A11SE0115	1987	Syngold Exploration Inc.	10	3,578				West Owl Creek Project, Hoyle Twp. Concession 1, Lot 7
42A11SE0057	1990	Canamax Resources Inc						Underground Exploration Activities, Bell Creek Project, May to December 1990
42A11SE0149	1990	Canamax Resources Inc						Underground Exploration Activities, Bell Creek Project, January to April, 1991
42A11SE0154	1990	Pentland Firth Ventures Ltd.						Underground Exploration Activities, Bell Creek Project, May to August, 1991
42A11SE0008	1995	Pentland Firth Ventures Ltd.						Hoyle Twp., Concession I, Lot 10.
42A11SE0046	1995	Black Hawk Mining Inc.	1	221				Hoyle Twp., Concession IV, Lots 7 & 8.
T-3582	1995	Black Hawk Mining Inc.	46	15,950	12.5			Hoyle Twp., Concession I, Lot 8. (Vogel)
T-4622	1997	Pentland Firth Ventures Ltd.						Hoyle Twp., Concession I, Lot 8. (Vogel)
42A11SE0126	1997	Pentland Firth Ventures Ltd.	2	749				Hoyle Twp., Concession V, Lot 9.
T-5409	2004	Porcupine Joint Venture			23.5			Hoyle Twp., Concession II & III, Lots 5, 6, 7.
T-5340	2005	Porcupine Joint Venture	4	605				Hoyle Twp., Concession III, Lots 5, 6.
T-5456	2005	Porcupine Joint Venture	36	11,469				Hoyle Twp., Concession I, II, Lots 10, 11; Bell Creek West and North A Zones

Overburden drilling (08)

7.0 GEOLOGICAL SETTING

7.1 General Geological Setting

The earliest reports of the geology for the Timmins and Bell Creek Complex area are from Ontario government geologists: Burrows (1910, 1911, 1912), Hawley (1926), Rose (1924), Berry (1941), Ferguson (1957, 1968) and Pyke (1982), supplemented by contributions from Brisbin (1997), Grey, (1994), Melnik-Proud (1992) and van Hees (2000) for their Doctor of Philosophy degrees. Described in these documents are the contributions made by government and mine geologists which detail the evolution of the stratigraphic understanding for the Porcupine Gold Camp. Highlighted herein is a sequential bullet summary of significant observations and interpretations.

- 1896, Burwash assigned Precambrian volcanic and sedimentary rocks of the Timmins area to Huronian defined by Logan in 1847.
- 1911, 1912, 1915, 1925, geological mapping by Burrows, produces the first geological map of the Porcupine Camp and he makes his stratigraphic nomenclature consistent with relationships observed by Lawson (1913) for Lake of the Woods, as well as Miller and Knight (1915) in the Lake Timiskaming area.
- 1925, Burrows established that younger Timiskaming Series of metasedimentary rocks unconformably overly the Keewatin Series volcanic rocks. He identified porphyry dykes and stocks and granitoid plutons in the surrounding area as being Algoman, and post Timiskaming. The observation that Keweenawan olivine diabase dykes crosscut Matachewan quartz diabase was made at this time.
- 1933, Graton et al., proposed a subdivision for Keewatin volcanic rocks in Tisdale Township. The subdivision included, from oldest to youngest, the Northern, McIntyre, Central, Vipond, and Gold Centre Series. The name “99 Flow” was applied to a massive flow at the base of the Vipond Series.
- 1936, 1939, Hurst noted metasedimentary rocks in the Timmins area occur both overlying and underlying an angular unconformity. He places the rocks above the unconformity into the Timiskaming Series and assigns the metasedimentary rocks below the unconformity to the Keewatin Series. Porphyries are interpreted to be subvolcanic stocks emplaced into volcanic vents from which the felsic volcanoclastics were erupted.
- 1944, Holmes interpreted the porphyries to post date Keewatin volcanic rocks and Timiskaming metasedimentary rocks.
- 1948, Jones, while working at the Hollinger Mine, presented a more detailed classification modified after Graton (1933). Jones introduced the alphanumeric names to the lithological units (e.g. V8E); gave formation status to the Northern, Central, and Vipond Series; and renamed the “McIntyre Series” the “95”, assigning the flows to the base of the Central Formation.

- 1948, Buffam adapts Jones' Hollinger Mine terminology at the Moneta Mine and adds the term Krist Fragmental and describes the unconformity at the base of the Krist that separates it from the Tisdale Group mafic volcanic flows.
- 1948, Dunbar distinguishes two groups of Keewatin volcanic rocks in the Timmins area and names them Deloro Group and Tisdale Group. He discriminates the Krist Formation from the underlying Tisdale Group and places it into the Hoyle Series.
- 1954, Moore included the Krist Formation with the Timiskaming Group and placed the unconformity between Keewatin and Timiskaming rocks at the base of the Krist. Burrows (1911) was first to present this interpretation.
- 1954, Fuse applied Jones' (1948) terminology of the Tisdale Group to rocks exposed at the McIntyre Mine.
- 1960, Griffis, at the McIntyre Mine, establishes the most detailed subdivision of the Tisdale Group.
- 1968, Ferguson et al., attempt to correlate the stratigraphy of the Timmins Camp. They assign the Krist Fragmental to the uppermost formation in the Tisdale.
- 1974, Pyke subdivided the Deloro and Tisdale Groups, based upon major oxide geochemical classification of volcanic rocks as per Jensen Cation Plot (Jensen, 1976). His nomenclature divided the two groups into six formations. Numbers I through III are within the Deloro Group and numbers IV through VI are within the Tisdale Group. The Deloro is largely a calc-alkaline sequence approximately 14760 to 16400 feet (4,500 to 5,000 metres) thick and is comprised mainly of flows of andesite and basalt in the lower part, and dacitic flows and rhyolitic pyroclastic rocks toward the top. Iron formation is common at or near the top of the group. Most of the Deloro Group is confined to a large domal structure in the east central part of the area. A major change in volcanism marks the beginning of the Tisdale Group. The base formation consists largely of ultramafic volcanic rocks and basaltic komatiites. This in turn is overlain by a thick sequence of tholeiitic basalt. The uppermost formation is largely volcanoclastic and has a calc-alkaline dacite composition. The total thickness of the Tisdale Group is about 13,120 feet (4,000 metres), (Pyke, 1974).
- 1975, Lorscheid subdivided the Porcupine Group into Whitney, Beatty, Dome and Three Nations Formations.
- 1976, Pyke renamed the six formations from youngest as Donut Lake, Redstone, Boomerang, Goose Lake, Schumacher and Krist. He assigns all metasedimentary rocks to Formation VII, the sole unit of the Porcupine Group, which he considers to be a time equivalent, or the upper Deloro and the entire Tisdale Groups.

- 1978, Pyke renamed the Tisdale and Deloro Groups the Upper and Lower subgroups and raised formations I through VI to group status. This terminology did not receive acceptance with subsequent workers (Brisbin, 1997)
- 1986 (Frarey and Krough), 1987 (Mortensen), 1989 (Corfu et al) post U-Pb zircon age dates for intrusives and selected volcanics in the Timmins area.
- 1988, Mason et al., suggested that the highly fractured centres that hydrothermal fluids and gold mineralization subsequently accessed were prepared at the time of porphyry emplacement. Fracturing and brittle faulting generated prior to porphyry intrusion during one or more magmatic tumescence. The eruption of Krist Formation pyroclastic rocks and Keewatin folding and faulting, may have initiated ground preparation and localized magmatic and hydrothermal activity.
- 1991, Jackson and Fyon defined a lithostratigraphic association of rock units in the Western Abitibi Subprovince within the boundaries of 55 tectonic assemblages. An assemblage is defined as stratified volcanic and/or sedimentary rock units built during a discrete interval of time in a common depositional or volcanic setting. They suggest a four stage evolutionary model for the southern Abitibi greenstone belt. 1) Formation of submarine oceanic assemblages in regional complex micro-plate interactions perhaps caught between two larger converging plates located north and south of the micro-plate region. 2) Termination of submarine volcanism by collision of a large continental mass to the south at ~2700 Ma. The collision may have been oblique, involving the 2800 to 3000 million year old Minnesota River Valley gneiss terrane. 3) Tectonic thickening during collision led to emergent sediment source area(s) for post ~2700 Ma turbidite deposits, including both local deposits and a massive sedimentary accretionary wedge. As collision continued, previously formed volcanic and turbidite deposits, including the Pontiac Subprovince were deformed. Terminal subduction, possibly involving complex plate interactions at 2685 to 2675 Ma, generated alkalic volcanic rocks and alluvial-fluvial sediments in proximity to crustal-scale shear zones (Jackson and Fyon, 1991)
- 1992, Melnik-Proud interprets the gold bearing quartz-carbonate-albite veins to not only be spatially, but temporally and genetically associated with albite dykes in the Hollinger –McIntyre complex
- 1997, Brisbin defines the Krist as a formation within the Hoyle Group. He proposes and assigns a new lithostratigraphic unit termed the Hersey Lake Formation. This unit is composed of intercalated ultramafic and mafic flows that comprise the base of the Tisdale Group in the core of the North Tisdale Anticline. Correlative flows are exposed in the south, on the Delnite, Aunor, and Buffalo Ankerite mine properties. The upper contact of the Hersey Lake Formation is defined as the upper contact of the highest ultramafic flow in the Tisdale Group (Brisbin, 1997)

- 2000, Ayer et al., with the aid of additional re-mapping and geochronological data proposed a reinterpretation of the Tectonic Assemblages, reducing the 55 assemblages to 7 volcanic assemblages and 2 metasedimentary assemblages. Presently the assemblages are interpreted as autochthonous not allochthonous. Geochemistry of the volcanic units indicates an interaction between plume and subduction zone melts. The Porcupine assemblage is interpreted to be the result of submarine turbidite fans which are coeval with batholith emplacement, regional folding and collision with the Opatika Subprovince. The Timiskaming assemblage is believed to be the result of subaerial alluvial fan-fluvial sedimentation associated with continental arc magmatism.
- The Discover Abitibi Initiative, Ayer et al., from 2002 to the present has brought the talents of individuals, geologists, prospectors, the mining industry, the Ontario Geological Survey, and the Geological Survey of Canada to the Timmins - Kirkland Lake Gold Camps to assess the fundamental architecture and processes which were responsible for the gold and base metal endowment. The products of this initiative have not been fully realized as the refined, higher resolution airborne geophysical electromagnetic and magnetic surveys, seismic survey, gravity survey, lithogeochemistry and additional age dating is providing tools that will modify historical interpretations.

7.2 Regional Geology and Structure

Supracrustal rocks in the Timmins region are assigned as members of nine (9) tectonic assemblages within the Western Abitibi Subprovince, of the Superior Province. The seven volcanic and two sedimentary assemblages are of Archean age. Intrusions were emplaced during Archean and Proterozoic times. Tectonic Assemblages of the Abitibi Subprovince, east of the Kapuskasing Structural Zone, are illustrated in Figure 7.2.1, after Ayer J.A., Dubé, B., and Trowell, N.F. (2009). Table 7.2.1, is modified after Ayer (1999, 2000, 2003) and summarizes the characteristics of the assemblages, from youngest to oldest.

There is a 55 Ma year time span between the volcanic eruption of the lower Pacaud assemblage (2735 Ma) to the sedimentation and volcanism of the upper Timiskaming assemblage (2680 Ma). Each of the assemblages demonstrates a melt evolution from komatiitic or tholeiitic basalt, to felsic or calc-alkaline volcanics. Within the immediate Timmins area only the Deloro (2730 - 2724 Ma (6 Ma)), Kidd-Munro (2719 - 2711 Ma (8 Ma)), Tisdale (2710 - 2703 Ma (7 Ma)), Porcupine (2690 - 2680 Ma (10 Ma)), and Timiskaming assemblages (2680 - 2670 Ma (10 Ma)) are present. Revised age dates for the Porcupine assemblage indicate that the felsic volcanism of the Krist Formation is coeval with emplacement of calc-alkalic felsic porphyries in Timmins (2692 \pm 3 to 2688 \pm 2 Ma).

Figure 7.2.2 The Regional Geology locates the property relative to the regional geology.

Rhys (2003) describes the regional penetrative structures of the Timmins area as being constrained between 2700 Ma and 2670 Ma, and are characterized by pre-metamorphic

folds (D1) to a sequence of syn-metamorphic folding events (D2 and D3) which overprint D1 folds. The D1 event is multiphase, recorded by truncation of folds at the unconformable base of the Krist-Porcupine sequence. The Destor Porcupine Fault Zone ("DPFZ") accounts for two stages of deformation: 1) an episode of syn-Timiskaming (2680 to 2677 Ma) brittle faulting which truncates D1 folds and created the basins for Timiskaming sedimentation, and 2) a phase of syn-metamorphic D2-D3 shear zone development, which is represented by a band of highly strained rock, generally several hundred metres wide. The syn-metamorphic D2-D3 events are often characterized by west-northwest trending foliations, steeply dipping stretching and intersection lineations, and shear zones. The displacement along the DPFZ in the Timmins area is sinistral.

A compilation of geochronological age dates for the Southern Abitibi sub province from various sources: Easton, 2000; van Hees, 2000; Anglin, 1992; Melnik-Proud, 1992 and Lucas, St-Onge, 1991 is selectively summarized in Table 7.2.2., A Simplified Sequence Of Geological Events For The Timmins Camp (after Melnik-Proud, 1992).

7.3 Property Geology

The Bell Creek Complex properties are underlain by carbonate altered, greenschist facies Archean, metavolcanic and clastic metasedimentary rock units belonging to the Tisdale and Porcupine assemblages. Strike of the rock units varies across the properties. At the Bell Creek mine site area, strike is generally west northwest and west-east. Lithologies strike west-east in the Schumacher and Vogel areas. The rock units generally dip steeply south, however, at depth the dip undulates to vertical and then expresses a steep dip to the north (Labine, 2009, personal communication). The metavolcanic portion of the stratigraphy represents the lower portion of the Tisdale Group with the ultramafic metavolcanic rocks belonging to the Hershey Lake Formation (Brisbin) or Pyke's (1982) lowermost unit, Formation IV. The mafic metavolcanic variolitic and iron tholeiitic flow units are interpreted as being characteristic of Pyke's (1982) middle unit, Formation V. The Krist Formation, Pyke's upper unit, is absent from Hoyle Township (Berger, 1998).

Ultramafic metavolcanic rocks are comprised of massive, spinifex and polysutured textured flows and derived schists. Ultramafic schist is characterized by a fissile habit, abundant talc, and magnesium-rich chlorite and carbonate (Berger, 1998). Limited whole rock analyses completed on the lithologies in Hoyle Township indicates the lower ultramafic metavolcanic rock unit to be basaltic komatiite (Berger, 1998, Pressacco, 1999). Kent (1990) describes the ultramafic rock sequence at Bell Creek as a lens-shaped unit that forms pods 100 to 200 metres in thickness, which locally exhibits intense ankerite-fuchsite alteration.

Mafic metavolcanic rocks exhibit massive, pillowed, and breccia flow textures. Berger (1998) observed that stratigraphic tops of the pillows consistently face to the south or the west in the Tisdale assemblage within Hoyle Township. Based upon the west facing pillow Berger (1998) believed there was no evidence that the mafic metavolcanic rocks of the Tisdale assemblage are folded. Flow units occur with a flow top breccia which exhibits a gradational contact into a pillowed base. Variolitic flows are common within the mafic volcanic sequence. A correlation of the variolitic flows of the Bell Creek Complex area with the variolitic flow of the Tisdale Group, especially the V10 flow unit is implied, but has not been verified by detailed mapping and geochemical testing. Mafic

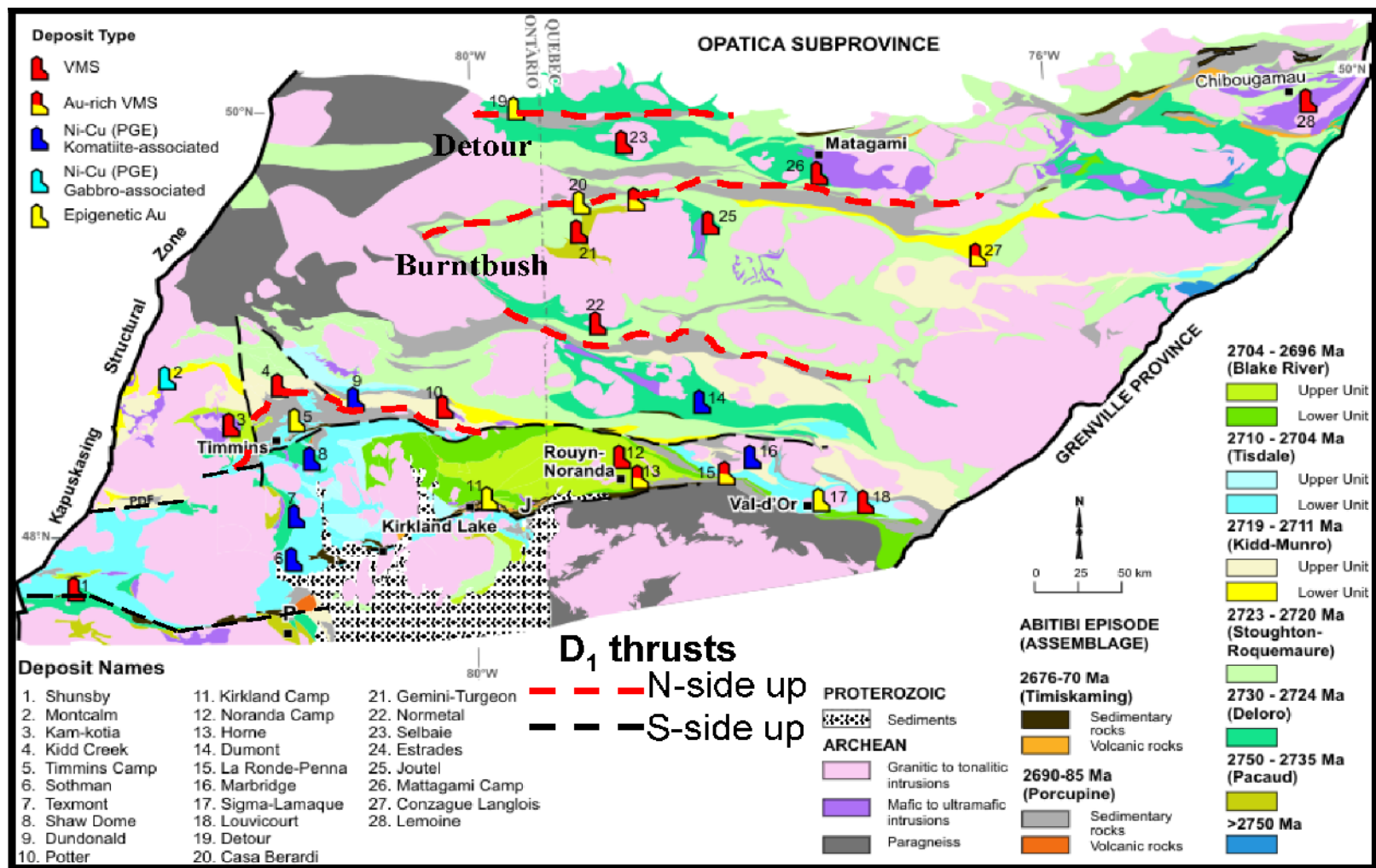


Figure 7.2.1 Tectonic Assemblages of the Abitibi Subprovince East of the Kapuskasing Structural Zone
(after, Ayer, J.A., Dube, B., & Trowell, N.F., NE Ontario Mines and Minerals Symposium, April 16, 2009)

Table 7.2.1. Tectonic Assemblages

Timiskaming Assemblage

- Unconformably deposited from **2680 - 2670 Ma (10 Ma)**
- Conglomerate, sandstone, and alkalic volcanics
- Coeval Gold mineralization occurs near regional fault zones (PDF & CLLF)
Two end member types
 - 1) Quartz veins (Timmins & Val d'Or)
 - 2) Sulphide rich Stockworks (Holloway Twp., Kirkland Lake, Matachewan)

Porcupine Assemblage

- Age of **2690 - 2680 Ma (10 Ma)**
- Turbidites with minor conglomerates & iron formation locally
- **Krist Formation** is coeval with **calc-alkalic felsic porphyries** 2691+/-3 to 2688+/-2 Ma
- **Alkali Intrusive Complex (Thunder Creek) 2687+/-3 Ma (Barrie, 1992)**

Blake River Assemblage

- Age of **2701 - 2697 Ma (4 Ma)**
- Tholeiitic & Calc-alkaline mafic to felsic volcanics
- VMS deposits associated with F3 felsic volcanics at Noranda
- Syngenetic gold & base metals (Horne, Thompson Bousquet)

Kinojevis Assemblage

- Age of **2702 - 2701 Ma (1 Ma)**
- Tholeiitic mafic flows
- Interflow Turbidites
- F3 Felsic Volcanics

Tisdale Assemblage

- Age of **2710 - 2703 Ma (7 Ma)**
- Tholeiitic to komatiite suite
- Calc-alkaline suite
- VMS Deposit: Kamiskotia – tholeiitic volcanics, gabbros & F3 felsics
Val d'Or – calc-alkaline volcanics & F2 felsics
Sheraton Township area – intermediate-felsic calc-alkaline volcanics
- Ni-Cu-PGE: Shaw Dome, Texmont, Bannockburn

Kidd-Munro Assemblage

- Age of **2719 - 2711 Ma (8 Ma)**
- Tholeiitic to komatiitic
- Calc-alkaline suite
- VMS deposit: F3 felsic volcanics & komatiites (Kidd Creek)
Tholeiitic-Komatiitic volcanism (Potter)
- Ni-Cu-PGE (Alexo)

Stoughton-Roquemaure Assemblage

- Age of about **2723 - 2720 Ma (3 Ma)**
- Magnesium and iron rich tholeiitic basalts
- Localized komatiites and felsic volcanics
- PGE mineralization in mafic-ultramafic intrusions and komatiites
(Mann & Boston Townships)

Deloro Assemblage

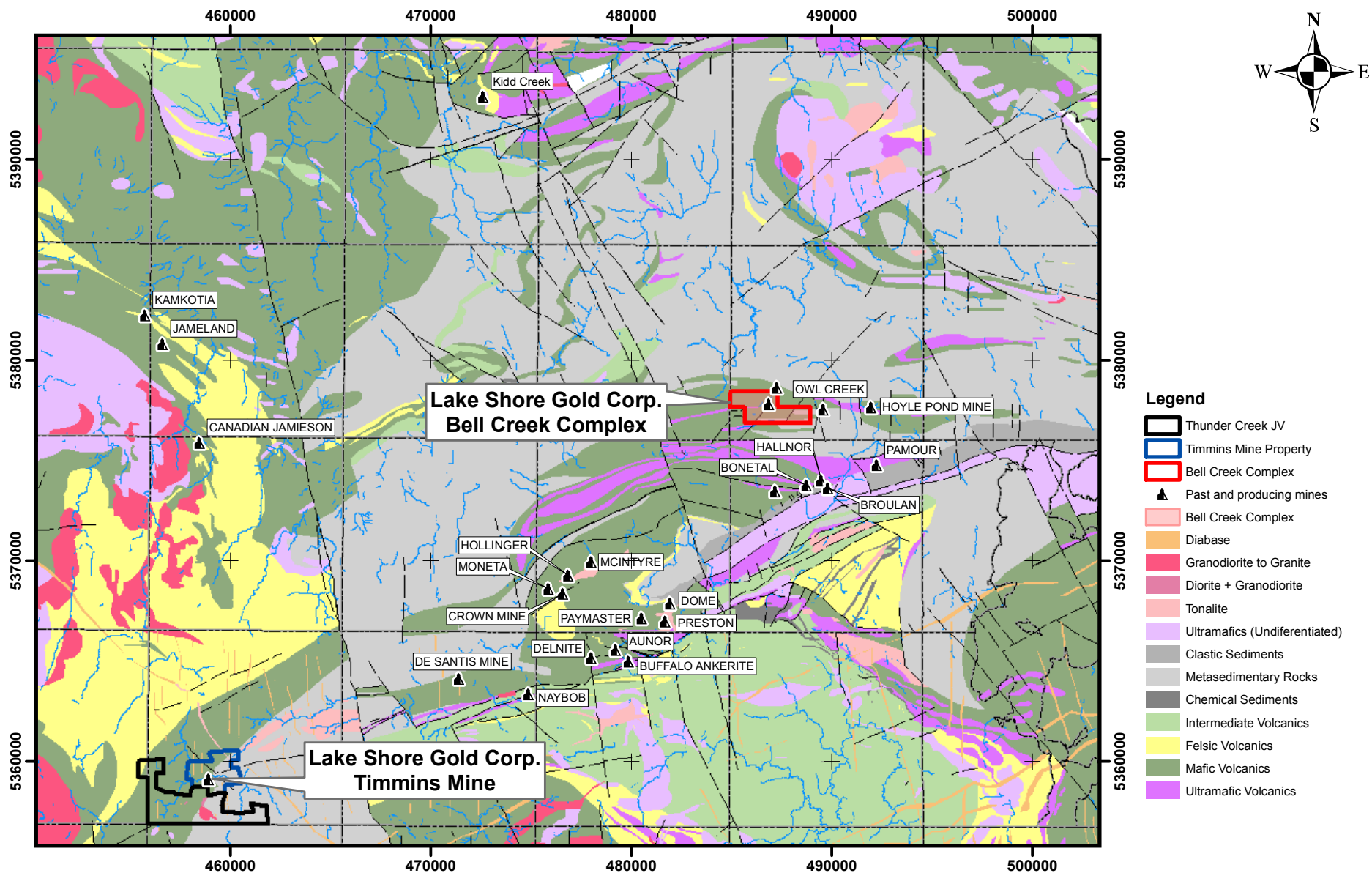
- Age of about **2730 - 2724 Ma (6 Ma)**
- Mafic to felsic calc-alkaline volcanics
- Commonly capped by regionally extensive chemical sediments
- Two different types of VMS deposits
 - 1) F2 felsic volcanics and synvolcanic intrusion (Normetal)
 - 2) Localized sulfide-rich facies in regional oxide facies iron formations (Shunsby)

Pacaud Assemblage

- Age of **2750 – 2735 Ma (15 Ma)**
- Magnesium and iron rich tholeiitic basalt
- Localized komatiites and felsic volcanics

Table 7.2.2 A Simplified Sequence of Geological Events for the Timmins Camp

Faulting
Diabase (Matachewan) Dyke Intrusion (~2461 Ma) (Hearst Dyke – Diabase, 2461 +/- 2 Heaman, 1988)
Penetrative Deformation/Greenschist Facies Metamorphism (~2633 Ma)
Folding /Faulting?
Timiskaming Sedimentation
Unconformity / Folding
Copper and Gold Mineralization and Related Hydrothermal Alteration
Albitite Dyke Intrusion (Algoman) (And Related Hydrothermal Alteration?) (~2673 Ma) (Albitite Dyke, 2673 +6 / -2 Ma, Corfu et al, 1989) (Watabeag Batholith, 2676 +/- 2 Ma, Frarey and Krogh, 1986) (Winnie Lake Stock, (monzonite), 2677 +/-2 Ma, Frarey and Krogh, 1986) (Garrison Stock, (monzonite), 2678 +/-2 Ma, Corfu et al, 1989) (Garrison Stock, (monzonite), 2679 +/-4 Ma, Frarey and Krogh, 1986) (Otto Stock, (syenite), 2680 +/-1 Ma, Corfu et al, 1989) (Watabeag Batholith (quartz monzonite), 2681 +/-3 Ma, Frarey and Krogh, 1986) (Adams Stock (granodiorite), 2686 +/-3 Ma Frarey and Krogh, 1986) (Lake Abitibi Batholith (granodiorite), 2689 +3 / -2 Ma, Mortensen, 1987)
Porphyry Intrusion (Algoman), Emplacement of Heterolithic Breccias, And Related Hydrothermal Alteration (~2690 Ma) (Crown Porphyry, 2688 +/-2 Ma, Corfu et al, 1989) (Pearl Lake Porphyry, 2689, +/-1 Ma, Corfu et al, 1989) (Preston Porphyry, 2690 +/-2 Ma, Corfu et al, 1989) (Paymaster Porphyry, 2690 +/-2 Ma, Corfu et al, 1989) (Millerton Porphyry, 2691 +/-3 Ma, Corfu et al, 1989)
Beatty Sedimentation
Krist (Keewatin) Calc-alkaline Volcanism and Sedimentation (~2698 Ma +/-4 Ma) (2691+/-3 to2688+/-2 Ma revised)
Unconformity Tilting / Folding?
(Watabeag Batholith (diorite), 2699 +/-2 Ma, Frarey and Krogh, 1986)
Tisdale Group (Keewatin) Komatiite-Tholeiitic-Calc-alkaline Volcanism ("99" Flow, 2707 +/-3 Ma, Ayre, OGS) Flavian Stock (trondhjemite), 2701 +/-1.5 Ma, Mortensen, 1987) (Aquarius Diorite, 2705 +/- 10 Ma, Corfu et al, 1989)
Deloro Group (Keewatin) Komatiite-Tholeiitic-Calc-alkaline Volcanism (~2725 Ma) (Dunite, 2707 +/-3 Ma, Corfu et al 1989)



0 2.5 5 10 Kilometers

NAD 83 Zone 17
Modified From Data Source OGS MRD 186

David Powers Geological Services

Drawn by: TS
Date: September 2009
Approved By: D. Powers
Location: South Porcupine

**Bell Creek Complex
Regional Geology
Figure: 7.2.2**

schists occur as a fine grained fissile unit that weathers dark green to orange brown. Common to Pyke's Middle Formation of the Tisdale Assemblage are leucoxene bearing iron rich tholeiitic basalts. The presence of abundant leucoxene has been used by local Timmins explorationists to field determine the difference between the lower formation magnesium rich basalts (leucoxene absent) and the iron rich tholeiitic basalts. Whole rock analysis results returned from six of Berger (1992, 1994) samples plotted as Fe-tholeiites (3 samples), calc-alkaline basalts (2 samples) and tholeiitic andesite (1 sample) (Pressacco, 1999).

The metasedimentary rock units are composed of wacke, siltstone, mudstone, graphite, and pyritic mudstone and are correlated with the Hoyle assemblage (Jackson and Fyon, 1991, Berger, 1998). The Hoyle assemblage has been redefined as a formation and is an extensive part of the Porcupine assemblage which includes the Beatty formation of metasedimentary rocks located in the core of the Porcupine Syncline. (Bateman et al., 2005) Wacke beds vary from 5 millimetres to over 1 metre thick and display grain gradation. Chlorite and sericite are the most common alteration minerals in the matrix where as biotite is absent in most metasediments in Hoyle Township. Siltstone is rare in the Hoyle assemblage occurring as thin layers overlying wacke. Green, grey and dark grey mudstone occurs throughout the Hoyle assemblage overlying wacke. Graphite and amorphous carbon are the major opaque minerals and comprise less than five percent of the rock. Graphitic and pyritic mudstone is a distinctive rock type that generally occurs along or within 400 metres of the contacts with mafic metavolcanic rocks. Pyrite comprises from one to thirty percent of the graphitic mudstone and occurs in two forms as nodular pyrite 1 millimetres to 2 centimetres in diameter and as disseminated to massive laminated or bedded layers of 1 and 10 millimetres thick (Berger, 1998).

Intruding the Archean rock units is a north-south trending swarm of diabase dykes which have been correlated with the Paleoproterozoic age Matachewan swarm. This mafic intrusive unit contains up to fifteen percent magnetite and weathers an orange-brown colour. Berger (1998) describes a Cretaceous regolith that was intersected in several reverse circulation overburden drill holes in Hoyle Township. He describes the unit as being a green to gold coloured, gritty clay that is commonly indurated and locally forms a hardpan layer. This unit indicates that Archean rocks were subjected to intense laterite-like weathering. This weathered clay layer was observed by the author at the Marlhill deposit site when the overburden was stripped for the open pit harvesting of the crown pillar by the Porcupine Joint Venture. It is not known if this clay unit is present above the rock ledge at the Bell Creek Complex property.

Overlying the Archean bedrock is the Quaternary geology unit of the Barlow-Ojibway Formation. This is a sequence of glacial lacustrine deep water varved silts and clays overlain by gravel and clay till of the Matheson till sheet. Recent organic deposits, of black mud, and peat overlie the Quaternary geology.

7.4 Structural Geology

The Bell Creek Complex is situated north of the North Tisdale Anticline, within an Archean metavolcanic and metasedimentary rock synclinal fold/fault sequence, positioned between two D2 reverse faults. Bateman (2005) interprets the thrusting as the

formation of the North Tisdale Anticline D2 and F2 events. Strike is parallel to the surface traces of the thrust plane and anticlinal axis. Stratigraphic tops point to the south and near surface the rock units dip steeply south. At depth, the dip undulates to vertical and changes to steep north dipping (Labine, 2009, personal communication). Bateman illustrates an F4 northeast-southwest synclinal axis at Hoyle Pond Mine. The overprint and significance of this fold event is not known at the Bell Creek Complex properties.

Rhys (2004) illustrates the Hoyle Syncline, north of the North Tisdale Anticline as a D1b fold event and that Bateman's F4 synclinal axis parallel to the 1060 Zone at Hoyle Pond Mine is a D2 synclinal fold event.

Although there is disagreement in the naming and sequencing of the structural history, there is partial agreement in the interpretation of the major structures.

Figure 7.3.1 illustrates the generalized property geology relative to the property survey lines, cultural and topographical features.

8.0 DEPOSIT TYPES

8.1 General Deposit Types

The Porcupine area is well known for hosting two mineral deposit types: 1) Xstrata's Kidd Creek mine, which is a volcanogenic massive sulphide deposit; and 2) several Mesothermal Archean shear-hosted gold deposits. Gold production to the end of 2006, from some 50 operational sites is reported to be 2,028,140 kilograms of gold (65,206,222 ounces of gold). Table 8.1.1 highlights the twenty-one locations that exceeded production of 3,110 kilograms of gold (100,000 ounces of gold).

To date, no significant gold mineralization has been found within the Krist and Beatty Formations.

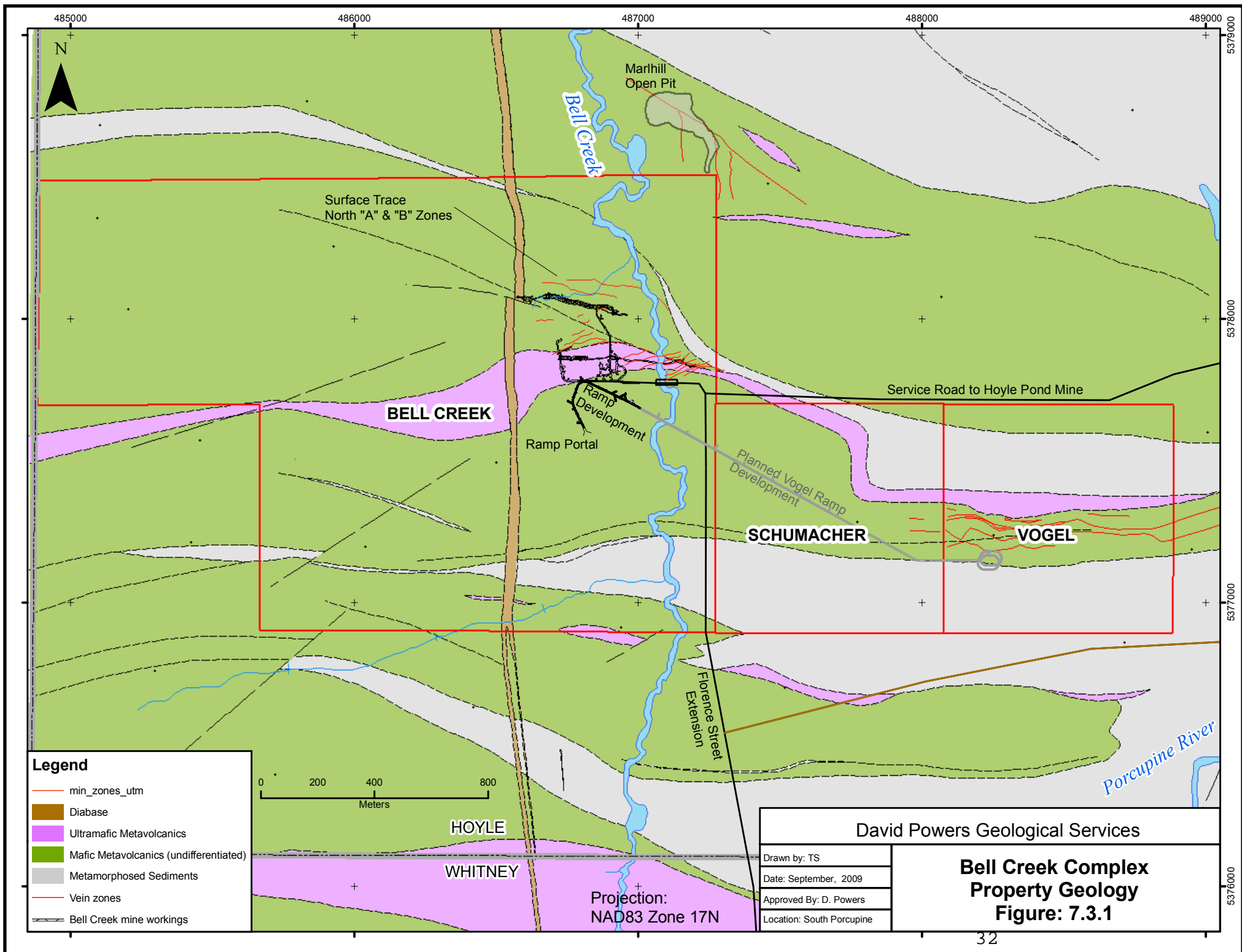


Table 8.1.1 Operations of Greater Than 100,000 Ounces of Gold Production the Porcupine Gold Camp

Mine	Kilograms Gold Produced	Ounces Gold Produced
Hollinger	601,158	19,327,691
Dome	487,558	15,675,367
McIntyre Pamour Schumacher	334,423	10,751,941
Pamour # 1 (pits 3, 4, 7, Hoyle)	131,393	4,224,377
Aunor Pamour (#3)	77,828	2,502,214
Hoyle Pond	72,046	2,316,346
Hallnor (Pamour #2)	52,582	1,690,560
Preston	47,879	1,539,355
Paymaster	37,082	1,192,206
Coniarum/Carium	34,512	1,109,574
Buffalo Ankerite	29,775	957,292
Delnite (open pit)	28,740	924,006
Pamour (other sources)	21,046	676,645
Broulan Reef Mine	15,519	498,932
Broulan Porcupine	7,485	240,660
Owl Creek	7,368	236,880
Hollinger Pamour Timmins	5,663	182,058
Nighthawk	5,468	175,803
Moneta	4,642	149,250
Crown	4,303	138,330
Bell Creek	3,507	112,739
21 site Totals	2,009,976	64,622,226
The Porcupine Camp Total (50 sites)	2,028,140	65,206,222

(source: <http://www.mndm.gov.on.ca/mines/ogs/resgeol/office>)

Brisbin (1997) summarizes the local Timmins area gold mineralization and stratigraphic association as follows.

Approximately 4.5 million ounces of gold have been produced from veins spatially associated with small quartz feldspar porphyry stocks and dykes which intrude Hersey Lake Formation flows on the Delnite, Aunor, Buffalo Ankerite, and Paymaster properties. Veins hosted in mafic flows intercalated with ultramafic flows adjacent the Timiskaming unconformity have accounted for a significant portion of 6.1 million ounces of gold produced from Broulan - Hallnor – Pamour mines area. In Hoyle Township gold – bearing veins hosted within mafic flows of the Hersey Lake Formation were mined at Bell Creek, Marlhill, and Owl Creek mines and are being mined at Hoyle Pond Mine. Massive white quartz veins are hosted in a carbonatized peridotitic komatiite unit near the Beaumont Shaft in northeastern Tisdale Township but no gold production from that property is recorded.

Central Formation flows and interflow carbonaceous argillites are very important hosts for gold mineralization. The Central Ore Zone on the Hollinger property, all major gold orebodies in the McIntyre Mine and a number of the vein systems in

the Coniaurum Mine all occur within the Central Formation. A black, carbonaceous argillite is the uppermost unit in the Northern member. It is the host for 3, 5, and 25 veins in the McIntyre, 91 veins in the Hollinger Mine and the single vein mined at Moneta Mine (Mason et al 1986). The 95 Member at the McIntyre Mine forms the hangingwall to the important veins hosted by the carbonaceous argillite that caps the Northern Member. The 95C was prominent marker unit at the Moneta, Hollinger, and McIntyre Mines. It hosts 84 Vein in the Hollinger Mine and 7 Vein in the McIntyre Mine which together yielded more than 3 million ounces of gold (Jones, 1985).

The 99 flow of the Vipond Formation is the stratigraphically uppermost unit to be affected by intense alteration in the Central Ore Zone. It is intensely ankeritized, weakly to moderately sericitized and pyritized and hosts gold bearing veins along its strike length on the south limb of the Central Tisdale anticline. Mineralized exposures of the 99 flow occur in open pits of the Hollinger property, on the McIntyre property where it crops out immediately adjacent to Pear Lake porphyry south of Pearl lake and on the Coniaurum property where it hosts number 2, 5, and 10 veins. South Shaft was sunk on subhorizontal white quartz on the Davidson Tisdale property in northeast Tisdale Township but there is no alteration present in this area, nor did any significant production take place from this shaft.

The V8 unit of the Vipond Formation is a complex and variable entity which as a whole forms a consistent stratigraphic unit, but within which there is less consistency due to facies variations. Its economic importance is underscored by the fact that 14 of the 20 quartz ankerite veins which up to 1979 accounted for 20% of gold produced at the Dome Mine (Fryer et al, 1979) were hosted by the Vipond Formation, and that the most important hosts were the Key and Spherulitic subunits of the V8 (Crick, 1991). Very little gold production has been derived from veins hosted with the V8 in the Hollinger-McIntyre- Coniaurum area. A portion of 92 Vein and 20 Vein were hosted in the V8 on the south side of the Hollinger property.

The V9 unit is a black carbonaceous argillite which overlies the V8 unit in the McIntyre (Griffis, 1960), Hollinger (Hall, 1985) Vipond (Dougherty, 1934) and Dome (Holmes, 1968) Mines. Despite its presence over a wide area there are sections where it is absent (Hall, 1985). On the McIntyre property it is up to 6 metres thick but averages 1.5 metres this. The V9 is an important ore host at the Vipond Mine (Dougherty, 1934). It hosts 20/24 Vein at the McIntyre and Coniaurum Mines, much of the 92 Vein and 44 Vein at the Hollinger Mine, and quartz ankerite veins at the Dome Mine.

The most important orebodies at the Vipond mine occur in the V10A, known there as the 10 Flow (Dougherty, 1934). On the Coniaurum property, 40 vein occurs in the V10A and adjacent V10B subunits. The V10A hosts portions of the 92, 93, and 44 veins on the Hollinger property. Some of the "Dacite Ore" at the Dome occurs in a V10A. The carbonaceous argillite interval that overlies the V10A is a locus of quartz veining where it is present at the Vipond Mine (Dougherty, 1934) and hosts much of 93 Vein at the Hollinger Mine. The V10B hosts part of 93 and 44 veins at the Hollinger Mine, a portion of 40 Vein on the

Coniaurum property and “Dacite Ore” in the Dome Mine. The V10C hosts “Dacite Ore” at the Dome Mine.

The only orebodies hosted by Gold Centre Formation flows are veins systems in the “Northern Flows” at the Dome Mine similar to those in “Dacite Ore” in the underlying Vipond Formation

The only significant gold mineralization known to be hosted in the Whitney Group occurs in the east end of the Owl Creek Pit in Hoyle Township. Gold bearing veins hosted within Whitney Group have been intersected in diamond drill holes north of Pamour 1 Mine (Duff, per. Com, 1992) and south of Owl Creek pit. Veins in Tisdale Group mafic flows occur immediately south of the contact of these flow with Whitney Formation sedimentary rocks at the Hoyle Pond Mine in Hoyle Township.

No gold mineralization is known to occur within the Krist Formation.

No significant gold mineralization is known to occur within the Beatty Formation. Some of the auriferous veins hosted within the basal conglomerate of the Timiskaming Group at the North Dome Shaft do transgress the contact with the Beatty Formation, but they pinch out within a few metre to two of the contact (Brisbin, 1997). If Holmes (1944, 1964) and Gray (1994) are correct in their observations within the Sedimentary Trough the Beatty Formation is host to significant gold mineralization.

Approximately 15 % of gold mined to date in the Porcupine Camp has come from bulk tonnage sheeted vein and stockwork orebodies, and to a lesser extent from narrow veins in Timiskaming sedimentary rocks. These orebodies have been mined at the Dome Mine in Tisdale Township, and at the Pamour, Falconbridge Hoyle, Broulan, Hallnor, and Bonetal Mines in Whitney Township. The gold deposits of Whitney Township were not examined during this study and are described by Aitken (1990) (Brisbin, 1997).

9.0 MINERALIZATION

9.1 General Description of the Mineralization

Gold deposits along the New Mines Trend include: Hoyle Pond Mine, Owl Creek Mine, Marlhill Mine, Bell Creek Mine, Schumacher and Vogel. Owl Creek, Bell Creek and Marlhill are past producers. Schumacher and Vogel are advanced exploration project properties. The term New Mines Trend was coined by the persons within Pentland Firth Ventures Ltd., and Kinross Gold Corporation to promote and describe the area of the Hoyle antiform and synform which hosts the previously mentioned gold deposits. These deposits are described in the Ministry Northern Development, Mines and Forestry, mineral deposits inventory with the following identification numbers: Hoyle Pond Mine (MDI42A11SE0002), Owl Creek (MDI42A11SE00006), Marlhill (MDI42A11SE00007), Bell Creek Mine (MDI42A11SE00119), Schumacher III (MDI42A11SE00124), and Vogel (42A11SE00125). The geology and mineralization of these deposits are described in detail by Knutson (1983, 1986), Brisbin (1986, 1998) Kingston (1987) Kent (1990), Coad

et al., (1986, 1998), Wilson and Rucklidge, (1986), Labine (1990, 1998), Berger (1998), Pressacco (1999) and Butler (2008). These reports are referenced in the References section of this report.

Berger (1998) describes the gold mineralization as occurring along selvages of quartz veins and wall rocks in stylolitic fractures in quartz veins, in fine grained pyrite, and in association with amorphous carbon. High grade gold mineralization occurs within quartz veins contained in alteration zones. The alteration zones are characterized by carbonate, graphitic and amorphous carbon, fine grained pyrite, sericite and/or paragonite and are enriched in gold, arsenic, bismuth and tungsten. This style of alteration is referred to by mine geologists as grey zones and is an exploration target in Hoyle Township.

The gold bearing A and West Zones were discovered by Canamax while drill testing electromagnetic and induced polarization geophysical anomalies. During the period of 1987 to 1994, MNDN records report the milling of 576,017 tons to produce 112,739 ounces of gold at an average grade of 0.196 ounces per ton or 6.72 grams per tonne from the A and West Zones. Historically explorationists used anomalous rock conductivity and the carbon grey zones as a guide for tracing and testing the mineralized zones. Recent observations indicate that the mineralized zones are also associated with ankerite, sericite and albite alteration (Conquer, 2009, personal communication).

9.1.1 Bell Creek Mine

In 1981 by drill testing Induced Polarization anomalies, the North Zone was intersected. With additional diamond drilling this zone proved to be the most significant mineralized zone at Bell Creek (Knutson, 1983, Kent, 1990). The North Zone, consists of two sub-parallel, west-northwest striking mineralized horizons termed A (south, or upper) and B (north, or lower). These horizons are approximately 25 metres apart and dip at 70 degrees to the south. The near surface expression of the A-Horizon is situated approximately 200 metres north of the Bell Creek headframe and consists of a quartz marker vein averaging 0.5 metres width. This vein varies in width from 10 centimetres to two metres and parallels the regional schistosity but crosscuts lithology. Bright green hydromuscovite occurs as fractures and slip coatings in the vein. Visible gold occurs with the mica. Brown tourmaline (dravite) is widespread. A-Zone contains the best gold values, averaging six to ten grams over widths of two to ten metres. Surrounding the central quartz vein is grey to buff coloured altered zone which contains five to fifteen percent pyrite, and pyrrhotite, with accessory chalcopyrite, and arsenopyrite. Up to thirty percent of the gold in the North A vein system occurs within the alteration halo, in discrete sulphide zones in vein brecciated wall rock zones that extend up to 5 metres from the margin of the core vein. At the time of active production at Bell Creek the B-horizon was considered too low grade to mine and the presence of active carbon benefit the gold recovery (Kent, 1990, MNDN-MDI, 2009, Labine, 2009).

The Bell Creek Zone was discovered in 1980 in the course of diamond drilling electrical conductors (Knutson, 1983). Kent (1990) describes the Bell Creek West Zone mineralization occurs on or near the contact of the ultramafic metavolcanic and mafic fragmental metavolcanic rock units. The preferred host is the mafic metavolcanic unit. Mineralization consists of two to ten percent pyrite, with accessory arsenopyrite, pyrrhotite, chalcopyrite and minor quartz veins and veinlets. Approximately ninety

percent of the gold is associated with the disseminated sulphides that occur in association with altered quartz-carbonate-sericite-sulphide zones from 0.5 to 7 metres in width. Lenses of about 100 metres in length and 200 metres vertical extent strike west-east and plunge steeply to the east. Multiple mineralized zones are identified along a one kilometre strike length of the mafic/ultramafic metavolcanic contact. Active carbon occurs in some of the mineralized pods in the form of sheared graphitic interflow sediments. The presence of the active carbon has a deleterious effects on gold recovery, consequently mining was not planned (Kent, 1990).

9.1.2 The Schumacher Property

The Schumacher property is underlain by the same stratigraphy as the Bell Creek Mine. Portions of the metavolcanic rock units were explored for the eastward extensions of the Bell Creek West, and A-Horizon mineralized zones. Prior to Lake Shore's acquisition of the property, a total of 58 diamond drill holes were bored into the property between 1984 and 1997 by Canamax Resources Inc., Falconbridge Gold and Pentland Firth Ventures Ltd. for a total of 17,992 metres. Three non-compliant NI 43-101 mineralization estimates were completed. In 1996, Unto Jarvi, P. Eng., estimated 156,000 tonnes at 5.99 grams per tonne gold within five subvertical zones. Dean Crick's (P.Geo.) estimate totaled 673,000 tonnes @ 2.89 g/tonne Au (Labine, 2009 personal communication). The third resource estimate is referenced from the MNDM-MDI file for the Schumacher property, and Kinross' 1997 annual report illustrating a resource of 152,000 tonnes of 6.19 grams per tonne gold. These zones are situated at the eastern portion of the property and appear to be the westward continuation of the mineralization underlying the Vogel property,

9.1.3 The Vogel Property

The geology underlying the Vogel property is the eastern extension of the metavolcanic and metasedimentary rock stratigraphy described for the Bell Creek Mine. Work completed before the Lake Shore acquisition included 159 diamond drill holes totaling 54,175 metres drilled by Canadian Nickel Company Ltd., Canamax Resources Inc. Black Hawk Mining Inc., Kinross-Black Hawk Mining Inc. Joint Venture, and Glencairn Gold Corporation. A. Eastwood, P.Geo. (2004), in an internal Glencairn Gold Corporation memo documents the historic non-compliant NI 43-101 resource calculations and describes the mineralization as follows: "Gold mineralization occurs as structurally controlled quartz stringer zones with altered mafic metavolcanic and komatiitic rocks, known as grey zones. There are six vein zones within these wider grey zones that are interpreted by previous workers based on diamond drill holes correlation of alteration and gold mineralization, which from south to north are called V5, V3, V2, V1S, V1N and V4 vein zones. The V1 vein zone is divided into a hanging wall (south) and a foot wall (north) within the wider grey zone where generally well developed zones of auriferous gold veining are developed. However, there are also other gold bearing zones of quartz veining at other positions within the grey zone making correlation between holes difficult."

The interpretation of this six sub-vertical vein system is simplistic. A more recent interpretation by B. Kusins, P. Geo. takes into account the knowledge that some of the intersected veins are flat lying and not vertical as previously interpreted. Kusins'

interpretation presents a stacking of sigmoidal shaped lenses. Until such time that an underground exploration program can drive a crosscut across and a raise up the mineralized shoots, there will be a degree of uncertainty as to the geometry of the gold mineralization.

10.0 EXPLORATION

10.1 A General Description of Exploration Programs 2005 to July 31st, 2009

Lake Shore has been actively exploring in the Bell Creek Complex area since 2005. A control grid using an extension of the Bell Creek coordinate system was established and the property boundaries located and tied into the grid. A magnetometer geophysical survey was completed but was not instrumental in defining stratigraphy. Lake Shore's diamond drill programs tested the stratigraphy, the existence of flat veins, geotechnical information, and overburden depth. After the acquisition of the Schumacher property drilling continued to test the flat veins located in the eastern portion of the property, as well as test the volcanic stratigraphy. Recent drilling is testing the down dip and down plunge extensions of mineralization intersected along the Bell Creek side of the common boundary.

Bell Creek mine site diamond drilling tests the West Zone, A-Zone below and surrounding areas of the underground workings; West Veins system, the East Veins system and a newly discovered Portal vein array. The Bell Creek shaft and underground workings are in the process of being dewatered to allow access for advanced exploration and underground diamond drilling. A new advanced exploration ramp is collared at UTM, NAD 18, Zone 17 coordinate 486,814 East, 5,377,603 North. The 5 metres by 5 metres ramp will provide access to the A-Zone, testing targets along the way as well as driving across the Schumacher property to access and test the continuity and economic mining potential of the Vogel mineralization.

Work completed the data cutoff date (July 31, 2009) is summarized in Table 10.1.1.

Table 10.1.1 Work Completed at the Bell Creek Complex Property from 2005 to July 31, 2009

Location	Number of Diamond Drill Holes	Metres	Samples Taken
Vogel	41	12,937	3,205
Schumacher	14	5,960	1,165
Bell Creek	100	51,433	13,755
Total	155	70,330	18,125
Bell Creek Ramp	Collared June 7, 2009		
5m X 5m	Ramp Face	272 metres	
	Total Development	337 metres	

11.0 DIAMOND DRILLING

11.1 General Description of the Diamond Drill Programs

Six diamond drills are presently testing the Bell Creek Complex, with 4 diamond drill rigs boring holes into the Bell Creek area and two rigs testing the Schumacher property. Norex Drilling Ltd., and Bradley Bros. Ltd., are the contractors assigned to carry out the diamond drilling at the Bell Creek Complex. Both companies have offices in the Timmins and Porcupine area. Holes are bored to retrieve NQ size rock core with a diameter of 47.6 millimetres. As a routine practice, the diamond drill hole casings are left in the ground, capped and labeled for future surveys and access. Some diamond drill hole casings, located in high traffic areas have been removed after the holes were cemented. Records of which holes have been plugged and cemented for future access, and which holes have had the casings removed are well maintained. The diamond drill holes collar details are summarized for each Property area location in Table 11.1.1.

The 2008 to 2009 accelerated diamond drill program produced more core than could be processed in a timely basis by Lake Shore's geologists. The drill core was quick logged to the mineralized zones and then detailed logged and sampled on a priority basis. As of the end of August 2009, there is no backlog of drill core to be logged and sampled. The diamond drill holes were logged and sampled in an irregular, non numeric order based upon a mineralization priority sequence. This procedure prolongs the return of assay information, diamond drill holes logging completion and final validation.

The information and data cutoff for this report is July 31, 2009. Only drill log data and returned sample assay information that has been received and press released as of July 31, 2009 is presented in this report. The following drill holes were in various stages of completion and were not reviewed by the author: BC-08-22, 27, BC-09-02A, 17, 20, 24A, 24B, 35 to 51 and 53. Final assay results were pending from the assay laboratory and not available for the following drill holes: BC-08-07, 07A, 07B, 16, 21, 22, 27, 28, BC-09-02, 02A, 05A, 06, 07, 08, 11, 12, 15, 16, 18, 19, 20, 22, 24, 24A, 24C, and 26 to 34. Drill holes that have not been news released, at the time of writing are not included in this report. The hole numbers absent from the report include: BC-08-22, 27, BC-09-07, 08, 11, 20, 23, 24C, 24D, 24E, 24F, holes 25 to 51 inclusive and hole BC-09-53.

Summary diamond drill logs and weighted average composite assay results for drill holes whose results have been press released including the assays received prior to the data cutoff date are located in: Appendix 1 Vogel Diamond Drill Log Summaries, Appendix 2 Schumacher Diamond Drill Log Summaries, and Appendix 3 Bell Creek Diamond Drill Log Summaries. The diamond drill log summaries were prepared by the author using the original logger's major lithology unit. Utilizing Lake Shore's final assay results, the author has recalculated the composite assay averages greater than or equal to 1 gram per tonne gold. For this calculation an assay interval is added to the composite assay average, only if the interval averages 1 gram gold per tonne or greater. Because the author used a cut off of 1 gram gold per tonne there may be assays reported in the summary logs from a location or low grade zone which were not considered significant by Lake Shore's geologists. Table 11.1.2 summarizes the weighted average assay results Lake Shore Gold Corp. considers significant and has previously presented in news releases. Any minor discrepancies between this table and the actual news release are due to corrections of typographical errors, or changes to the final assay as a result of

receiving a gravimetric or pulp metallic assay, whose results override the initial fire assay by atomic absorption.

Diamond drill collar locations are presented in drill plan Figures 11.1.1, 11.1.2, 11.1.3 and 11.1.4. Lake Shore's diamond drill collar locations are illustrated in red and the historical drill collars completed by other companies are shown as a grey coloured point within Figure 11.12.1. Only Lake Shore drill hole traces, relative to the claim boundaries, local topographical features and property geology are shown in the further detailed Figures 11.1.2, 11.1.3 and 11.1.4. Two generalized diamond drill sections are represented in Figures 11.1.5, and 11.1.6. The geology is assumed to be the same stratigraphic succession across the property and Figure 11.1.5 represents the interpretation of the geology for the Vogel property in the east and Figure 11.1.6 represents the generalized geology and interpretation of the Bell Creek geology in the west. Figure 11.1.7, is a generalized composite longitudinal projection for Bell Creek indicating the pierce point locations of the drill hole intercepts relative to underground workings. This longitudinal projection illustrates multiple zones of mineralized intercepts to a common plane. The location of the ramp collar and projected surface trace of the development advance, as well as the planned advance toward the Vogel is diagramed within the plan Figures 7.3.1, 11.1.1, 11.1.2, 11.1.3, and 11.1.4. The ramp is planned to intercept the Vogel mineralized area at approximate 120 metres below surface in early 2010.

Table 11.1.1: Diamond Drill Hole Collar Location Summary

Vogel Diamond Drill Hole Location Summary										
Hole ID	Collar								Drilled (m)	Number of Samples
	East (m)	North (m)	Elevation (m)	East (m)	North (m)	Elevation (m)	Azimuth	Dip		
	UTM	UTM	UTM	Field Grid	Field Grid	Field Grid	degrees	degrees		
V-05-01	488374.95	5377622.00	289.42	7200.40	5211.39	2289.42	180	-69	300	29
V-05-02	488374.56	5377590.52	289.27	7200.03	5179.90	2289.27	180	-63	200	10
V-05-03	488103.99	5377339.50	289.05	6929.58	4928.51	2289.05	0	-82	150	42
V-05-04	488104.01	5377306.62	288.88	6929.63	4895.62	2288.88	0	-83	150	34
V-05-05	488103.98	5377276.69	288.94	6929.63	4865.68	2288.94	0	-75	175	57
V-05-06	488103.55	5377248.52	288.80	6929.23	4837.49	2288.80	0	-75	175	51
V-05-07	488103.85	5377215.78	288.63	6929.56	4804.74	2288.63	0	-75	175	43
V-05-08	488103.99	5377191.05	288.53	6929.72	4780.00	2288.53	0	-75	175	43
V-05-09	488128.30	5377196.31	288.69	6954.28	4785.28	2288.69	0	-73	190	52
V-05-10	488128.30	5377231.28	288.66	6954.00	4820.27	2288.66	0	-75	300	51
V-05-11	488129.04	5377259.51	288.80	6954.71	4848.51	2288.80	0	-75	250	59
V-05-12	488382.36	5377254.85	288.36	7208.16	4842.35	2288.36	0	-71	200	43
V-05-13	488382.22	5377228.01	288.34	7208.04	4817.23	2288.34	0	-73	240	78
V-05-14	488405.74	5377208.64	288.29	7231.59	4797.87	2288.29	0	-70	302	37
V-05-15	488405.89	5377250.00	288.24	7231.70	4837.51	2288.24	0	-73	221	50
V-05-16	488128.24	5377161.47	288.26	6954.01	4750.43	2288.26	0	-74	395	97
V-05-17	488151.60	5377177.46	288.38	6977.36	4766.45	2288.38	0	-50	242	94
V-05-18	488878.80	5377180.42	286.44	7704.89	4768.36	2286.44	356	-74	637	109
V-08-01	488451.08	5376943.66	287.30	7276.84	4532.82	2287.30	4	-72	1167	167
V-08-01A	488451.08	5376943.66	287.30	7276.84	4532.82	2287.30	4	-72	45	
V-08-01B	488451.08	5376943.66	287.30	7276.84	4532.82	2287.30	4	-72	39	
V-08-01C	488451.08	5376943.66	287.30	7276.84	4532.82	2287.30	4	-72	703	177
V-08-02	488709.89	5376947.28	286.12	7535.75	4536.69	2286.12	2	-72	1240	162
V-09-01				7165.00	4537.00	2280.00	4	-72	527	35
V-09-01A				7165.00	4537.00	2280.00	4	-72	648	204
H-06-03	488088.61	5377174.30	288.53	4763.23	2288.53	302.01	0	-75	302	84
H-06-04	488088.35	5377203.39	288.68	4792.32	2288.68	200.00	0	-75	200	74
H-06-05	488088.43	5377230.46	288.86	4819.41	2288.86	251.01	0	-75	251	147
H-06-06	488088.64	5377258.90	288.93	4847.86	2288.93	167.00	0	-75	167	114
H-06-07	488088.61	5377283.31	288.83	4872.28	2288.83	245.00	0	-75	245	140
H-06-12	488234.02	5376988.74	287.24	4577.72	2287.24	1301.50	0	-71	1302	427
H-06-13	488330.18	5377214.58	288.52	4803.75	2288.52	131.00	0	-48	131	63
H-06-14	488330.18	5377215.39	288.52	4804.56	2288.52	251.01	0	-67	251	86
H-06-15	488355.59	5377215.19	288.52	4804.38	2288.52	230.01	0	-66	230	71
H-06-16	488405.27	5377275.61	288.31	4863.14	2288.31	140.01	0	-80	140	49
H-07-01	488431.87	5377256.90	288.19	7257.69	4844.45	2288.19	0	-66	152	64
H-07-02	488457.21	5377264.59	288.01	7283.03	4852.16	2288.01	0	-71	140	36
H-07-03	488481.02	5377266.41	287.99	7306.85	4854.01	2287.99	0	-70	150	54
H-07-04	488506.07	5377267.35	288.03	7331.91	4854.97	2288.03	0	-59	140	42
H-07-05	488530.33	5377267.86	287.71	7356.18	4855.50	2287.71	0	-60	140	10
H-07-06	488556.79	5377268.05	287.63	7382.66	4855.72	2287.63	0	-64	150	20

Schumacher Diamond Drill Hole Location Summary										
Hole ID	Collar								Drilled (m)	Number of Samples
	East (m)	North (m)	Elevation (m)	East (m)	North (m)	Elevation (m)	Azimuth	Dip		
	UTM	UTM	UTM	Field Grid	Field Grid	Field Grid	degrees	degrees		
H-06-01	488060.11	5376999.77	287.99	4588.59	2287.99	1253.10	0	-72	1253	335
H-06-02	487667.43	5377083.62	289.43	4672.11	2289.43	1079.01	0	-70	1079	272
H-06-08	488068.31	5377188.87	288.60	4777.78	2288.60	161.01	0	-68	161	41
H-06-09	488044.00	5377153.11	288.61	4741.98	2288.61	224.00	0	-81	224	106
H-06-10	488022.21	5377157.27	288.55	4746.13	2288.55	161.00	0	-69	161	72
H-06-11	487365.63	5377109.12	286.55	4697.33	2286.55	975.01	0	-70	975	130
S-08-01	487589.01	5377649.23	291.02	6414.09	5237.89	2291.02	2	-70	140	16
S-08-02	487464.66	5377647.32	288.78	6289.68	5235.86	2288.78	0	0	140	24
S-08-03	487341.48	5377297.28	285.44	6166.78	4885.55	2285.44	0	0	120	51
S-08-04	487342.22	5377329.00	285.47	6167.49	4917.29	2285.47	0	0	120	39
S-08-05	487434.53	5377647.38	287.58	6259.54	5235.90	2287.58	0	0	140	22
S-09-06				6191.00	4693.00	2286.55	3.86	-80	489	
S-09-06A				6191.00	4693.00	2286.55	3.86	-80	333	
S-09-06B				6191.00	4693.00	2286.55	3.94	-80	625	57

Bell Creek Diamond Drill Hole Location Summary

Hole ID	Collar								Drilled (m)	Number of Samples
	East (m)	North (m)	Elevation (m)	East (m)	North (m)	Elevation (m)	Azimuth	Dip		
	UTM	UTM	UTM	Field Grid	Field Grid	Field Grid	degrees	degrees		
BC-08-01	486993.02	5377244.06	283.56	5818.24	4831.99	2283.56	0	-71	1083	195
BC-08-02	486811.46	5377244.77	285.57	5636.60	4832.53	2285.57	4	-70	1181	275
BC-08-03	486488.53	5377245.32	289.69	5313.53	4832.78	2289.69	0	-71	1170	263
BC-08-04	486517.99	5377368.55	290.82	5342.88	4956.09	2290.82	0	-71	365	105
BC-08-05	486511.60	5377618.79	298.29	5336.26	5206.43	2298.29	0	-67	908	231
BC-08-06	486506.64	5377428.54	291.77	5331.47	5016.09	2291.77	4	-70	1109	599
BC-08-07	486806.87	5377352.24	285.37	5631.90	4940.04	2285.37	4	-65	92	1
BC-08-07A	486806.87	5377337.24	285.37	5631.90	4925.04	2285.37	2	-71	341	72
BC-08-07B	486806.87	5377337.24	285.37	5631.90	4925.04	2285.37	2	-71	777	492
BC-08-08	486266.64	5377240.53	290.31	5091.54	4827.78	2290.31	4	-55	1202	227
BC-08-09	487219.82	5377246.01	284.03	6045.14	4834.15	2284.03	4	-72	1301	907
BC-08-09A	487219.82	5377246.01	1284.03	6045.14	4834.15	2284.03	4	-72	459	293
BC-08-09B	487219.82	5377246.01	1284.03	6045.14	4834.15	2284.03	4	-72	549	296
BC-08-10	486957.30	5377352.08	284.34	5782.41	4940.02	2284.34	2	-72	1025	294
BC-08-11	486458.52	5377620.41	294.31	5283.15	5208.00	2294.31	2	-67	451	141
BC-08-12	486455.87	5377554.00	294.42	5280.56	5141.56	2294.42	2	-67	539	87
BC-08-13	486902.68	5377247.45	284.78	5727.85	4835.29	2284.78	2	-71	1244	329
BC-08-14	486493.33	5377582.16	295.89	5318.01	5169.77	2295.89	2	-70	452	76
BC-08-15	486675.22	5377261.46	287.26	5500.16	4850.47	2287.26	2	-71	358	106
BC-08-16	486890.69	5377385.68	284.50	5715.73	4973.58	2284.50	2	-71	1298	290
BC-08-17	486675.22	5377262.16	287.26	5500.29	4849.80	2287.26	2	-72	257	16
BC-08-18	486674.83	5377209.82	287.52	5499.94	4797.43	2287.52	2	-72	245	35
BC-08-19	486857.52	5377247.08	285.60	5682.68	4834.88	2285.60	2	-72	497	187
BC-08-20	486857.79	5377246.34	285.82	5682.95	4834.14	2285.82	2	-74	419	99
BC-08-21	486892.07	5377535.09	284.49	5716.59	5123.05	2284.49	4	-72	548	132
BC-08-22	486810.01	5377191.42	284.67	5635.20	4779.15	2284.67	2	-75	500	68
BC-08-23	487218.88	5377516.27	284.21	6043.56	5104.52	2284.21	8	-74	1121	196
BC-08-23A	487218.88	5377516.27	284.21	6043.56	5104.52	2284.21	4	-70	284	86
BC-08-23B	487218.88	5377516.27	284.21	6043.56	5104.52	2284.21	2	-74	223	125
BC-08-23C	487218.88	5377516.27	284.21	6043.56	5104.52	2284.21	2	-74	281	77
BC-08-23D	487218.88	5377516.27	284.21	6043.56	5104.52	2284.21	270	-70	166	36
BC-08-24	486892.07	5377535.37	284.49	5716.59	5123.33	2284.49	352	-56	1432	512
BC-08-24A	486892.07	5377535.37	284.49	5716.59	5123.33	2284.49	4	-65	344	117
BC-08-24B	486892.07	5377535.37	284.49	5716.59	5123.33	2284.49	4	-65	306	86
BC-08-25	487218.77	5377528.63	284.22	6043.44	5116.89	2284.22	270	-70	422	109
BC-08-26	487218.35	5377528.63	284.19	6043.02	5116.89	2284.19	2	-50	251	66
BC-08-27	486889.84	5377575.30	286.26	5714.31	5163.27	2286.26	4	-69	805	106
BC-08-28	486889.84	5377575.70	286.26	5714.31	5163.67	2286.26	4	-50	201	19
BC-08-29	486860.29	5377535.91	285.35	5684.79	5123.83	2285.35	2	-68	289	30
BC-08-30	486860.29	5377536.90	285.35	5684.79	5124.82	2285.35	2	-50	245	46
BC-08-31	486830.45	5377535.55	286.49	5654.94	5123.45	2286.49	4	-55	200	32
BC-08-32	486950.14	5377495.85	283.75	5774.72	5083.84	2283.75	4	-70	302	117
BC-08-33	486950.14	5377496.36	283.75	5774.72	5084.35	2283.75	4	-55	251	104
BC-09-01	487211.40	5377390.35	283.49	6036.93	4979.50	2283.49	4	-73	300	91
BC-09-02	486975.68	5377519.38	283.68	5800.88	5108.18	2283.68	5	-74	912	225
BC-09-02A	486975.68	5377519.38	283.68	5798.00	5108.00	2285.00	360	-72	321	89
BC-09-03	487216.38	5377377.52	284.13	6041.94	4966.67	2284.13	5	-74	1123	370
BC-09-03A	487216.38	5377377.52	284.13	6041.94	4966.67	2284.13	5	-74	499	157
BC-09-04	487264.65	5377666.03	283.75	6089.72	5255.38	2283.75	344	-60	300	155
BC-09-05	486755.52	5377471.13	288.60	5580.70	5059.52	2288.60	1	-72	903	209
BC-09-05A	486755.52	5377471.13	288.60	5580.00	5060.00	2280.00	1	-72	402	28
BC-09-06				5580.00	5060.00	2288.00	1	-71	969	148
BC-09-07	486949.33	5377609.50	284.97	5774.37	5198.29	2284.97	5	-67	702	172
BC-09-08	486625.34	5377822.07	290.60	5449.86	5410.40	2290.60	2	-70	375	37
BC-09-09	487264.68	5377590.44	283.92	6089.89	5179.76	2283.92	350	-46	402	103
BC-09-10	487264.81	5377589.54	283.97	6090.02	5178.86	2283.97	350	-62	474	236
BC-09-11	487216.03	5377378.22	283.96	6041.58	4967.37	2283.96	353	-63	952	267
BC-09-12	486976.03	5377519.24	283.55	5801.23	5108.04	2283.55	14	-73	876	235
BC-09-13	486524.75	5377578.77	295.08	5349.64	5166.81	2295.08	5	-67	473	236
BC-09-14	486580.78	5377691.72	294.27	5405.50	5279.92	2294.27	5	-53	437	244
BC-09-15	487169.95	5377610.32	283.86	5995.08	5199.49	2283.86	350	-63	468	190
BC-09-16	487169.94	5377610.63	283.83	5995.07	5199.80	2283.83	350	-57	500	243

Bell Creek Diamond Drill Hole Location Summary

Hole ID	Collar								Drilled (m)	Number of Samples
	East (m)	North (m)	Elevation (m)	East (m)	North (m)	Elevation (m)	Azimuth	Dip		
	UTM	UTM	UTM	Field Grid	Field Grid	Field Grid	degrees	degrees		
BC-09-17	487216.12	5377377.84	284.16	6041.68	4967.00	2284.16	352	-56	953	86
BC-09-18				5905.00	5345.00	2285.00	0	-78	568	152
BC-09-19				5905.00	5345.00	2284.00	1	-68	588	161
BC-09-20				5905.00	5345.00	2285.00	358	-40	447	142
BC-09-21	487211.84	5377610.59	284.10	6036.98	5199.83	2284.10	346	-51	351	130
BC-09-22	487211.88	5377610.26	284.08	6037.03	5199.51	2284.08	0	-67	465	196
BC-09-23				5990.00	5135.00	2284.00	344	-57	706	118
BC-09-24				6045.00	4734.00	2284.00	6	-74	633	118
BC-09-24A				6045.00	4734.00	2284.00	6	-74	113	4
BC-09-24B				6045.00	4734.00	2284.00	6	-74	962	191
BC-09-24C				6045.00	4734.00	2284.00	6	-74	705	328
BC-09-25	486676.03	5377872.85	287.10	5500.48	5461.29	2287.10	2	-70	252	18
BC-09-26	486949.37	5377609.80	284.96	5774.40	5198.59	2284.96	4	-63	751	150
BC-09-27	486626.57	5378077.70	283.72	5450.65	5666.15	2283.72	2	-66	141	18
BC-09-28	486626.57	5378077.70	283.72	5450.65	5666.15	2283.72	2	-49	150	20
BC-09-29	486949.32	5377610.08	284.92	5774.35	5198.87	2284.92	4	-73	783	102
BC-09-30	486726.07	5377880.46	285.50	5550.54	5468.99	2285.50	2	-83	141	7
BC-09-31				5793.00	5293.00	2280.00	0	-90	23	
BC-09-32				5820.00	5278.00	2280.00	0	-90	27	
BC-09-33				5846.00	5264.00	2280.00	0	-90	23	
BC-09-34	486627.24	5378039.64	284.13	5451.38	5628.06	2284.13	340	-59	192	14
BC-09-35	486627.24	5378039.64	284.13	5451.38	5628.06	2284.13	332	-45	172	10
BC-09-36				5735.00	5160.00	2285.00	4	-64	225	64
BC-09-37				5735.00	5160.00	2285.00	4	-75	225	79
BC-09-38				5735.00	5160.00	2285.00	177	-57	225	72
BC-09-39	486575.16	5377813.40	293.61	5400.00	5402.00	2294.00	2	-51	170	17
BC-09-40	486574.33	5377812.31	293.66	5398.85	5400.54	2293.66	14	-60	210	
BC-09-41	486949.45	5377610.42	284.89	5774.48	5199.21	2284.89	4	-56	680	
BC-09-42				5750.00	5140.00	2285.00	4	-80	225	46
BC-09-43				5750.00	5140.00	2285.00	4	-65	225	67
BC-09-44				5750.00	5140.00	2285.00	4	-50	225	78
BC-09-45	486635.08	5377928.88	285.59	5459.42	5517.27	2285.59	2	-52	180	
BC-09-46	486575.34	5378078.57	286.69	5399.40	5666.93	2286.69	178	-45	160	
BC-09-47	486525.62	5378132.35	288.36	5349.56	5720.64	2288.36	177	-44	200	
BC-09-48	486525.62	5378132.35	288.36	5349.56	5720.64	2288.36	177	-57	240	
BC-09-49				6045.00	4784.00	2284.00	354	-83	142	
BC-09-50				5650.00	5085.00	2285.00	6	-56	711	114
BC-09-53				6045.00	4783.60	2284.00	347	-84	1364	138

Information is not available

Table 11.1.2: Assay Results As Released by Lake Shore Gold Corp.

Vogel									
Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments	
V-05-04	6930E	51.75	52.65	0.09	9.42	flat	2005-12-05	65m depth flat vein	
V-05-04	6930E	85.55	85.90	0.35	4.80	flat	2005-12-05	90m depth flat veins	
V-05-04	6930E	95.00	96.50	1.50	3.15	V1	2005-12-05	Sub vertical zones	
V-05-05	6930E	68.25	69.40	1.15	4.25	flat	2005-12-05	65m depth flat vein	
V-05-05	6930E	89.80	90.30	0.50	98.08	flat	2005-12-05	90m depth flat veins	
V-05-06	6930E	87.70	87.92	0.22	208.85	flat	2005-12-05	90m depth flat veins	
V-05-06	6930E	131.25	131.95	0.70	2.06	flat	2005-12-05	140m depth flat veins	
V-05-08	6930E	101.00	101.50	0.50	6.22	flat	2005-12-05	90m depth flat veins	
V-05-09	6955E	94.00	94.50	0.50	12.90	flat	2005-12-05	90m depth flat veins	
V-05-09	6955E	180.02	180.80	0.78	166.79	flat	2005-12-05	170m depth flat veins	
V-05-09	6955E	113.50	114.90	1.40	3.28	V3	2005-12-05	Sub vertical zones	
V-05-10	6955E	207.50	209.00	1.50	3.76	V1	2005-12-05	Sub vertical zones	
V-05-11	6955E	139.25	139.60	0.35	33.17	flat	2005-12-05	140m depth flat veins	
V-05-11	6955E	168.85	170.00	1.15	3.58	V1	2005-12-05	Sub vertical zones	
V-05-12	7207E	96.25	96.70	0.45	22.50	flat	2005-12-05		
V-05-12	7207E	102.50	103.90	1.40	13.60	V1 N	2005-12-05		
V-05-12	7207E	137.60	138.70	1.10	4.49	V4	2005-12-05		
V-05-13	7207E	114.80	116.10	1.30	28.88	V1 S - Flat	2005-12-05		
V-05-13	7207E	130.00	130.65	0.65	10.23	flat	2005-12-05		
V-05-13	7207E	138.25	139.20	0.95	3.06	flat	2005-12-05		
V-05-13	7207E	149.00	149.55	0.55	7.36	V1 N - Flat	2005-12-05		
V-05-13	7207E	150.30	151.60	1.30	5.14	flat	2005-12-05		
V-05-15	7230E	93.50	94.00	0.50	9.64	flat	2005-12-05		
V-05-15	7230E	104.70	106.30	1.60	3.25	flat	2005-12-05		
V-05-15	7230E	106.30	107.80	1.50	13.30	flat	2005-12-05		
V-05-15	7230E	142.10	144.00	1.90	5.00	flat	2005-12-05		
V-05-16	6955E	53.00	54.00	1.00	12.07	V5	2005-12-05	Sub vertical zones	
V-05-18	7700E	414.50	415.20	0.70	11.04	not named	2005-12-05		
V-05-18	7700E	428.00	430.00	2.00	2.90	not named	2005-12-05		
V-05-18	7700E	434.00	435.00	1.00	18.10	not named	2005-12-05		
V-05-18	7700E	441.00	442.00	1.00	32.98	not named	2005-12-05		
H-06-03	6915E	81.50	81.80	0.30	1.40	H vein	2006-06-21	Horizontal vein 80m level, VG	
H-06-03	6915E	101.30	101.65	0.35	1.77	V3	2006-06-21	Horizontal vein 80m level	
H-06-03	6915E	160.20	161.00	0.80	1.10	V2	2006-06-21	Horizontal vein 80m level	
H-06-04	6915E	55.00	55.40	0.40	487.20	H vein	2006-06-21	Horizontal vein 55m level, VG	
H-06-04	6915E	98.00	99.00	1.00	3.98	H vein	2006-06-21	Horizontal vein 80m level	
H-06-04	6915E	186.94	190.00	3.06	1.79	V2	2006-06-21	Horizontal vein 80m level, VG	
H-06-05	6915E	81.50	82.00	0.50	7.53	H vein	2006-06-21	Horizontal vein 80m level, VG	
H-06-05	6915E	84.00	84.50	0.50	7.62	V2	2006-06-21	Horizontal vein 80m level, VG	
H-06-05	6915E	100.98	101.61	0.63	3.15	V2	2006-06-21	Horizontal vein 80m level, VG	
H-06-06	6915E	74.00	76.00	2.00	28.36	H vein	2006-06-21	Horizontal vein 80m level	
H-06-06	6915E	110.50	111.20	0.70	1.25	H vein	2006-06-21	Horizontal vein 80m level	
H-06-06	6915E	88.00	89.50	1.50	5.73	V2	2006-06-21	Horizontal vein 80m level	
H-06-06	6915E	129.30	130.30	1.00	2.55	V1S	2006-06-21	Horizontal vein 110m level	
H-06-07	6915	58.90	60.00	1.10	3.47	H. vein + "V"	2006-10-31	Horizontal vein 55m level, VG	
H-06-07	6915	97.50	98.50	1.00	5.01	V1	2006-10-31	Sub horizontal veins	
H-06-13	7160E	90.00	91.10	1.00	2.16	H. Vein	2007-02-21	VG	
H-06-13	7160E	91.00	92.00	1.00	1.52	H. Vein	2007-02-21		
H-06-13	7160E	95.60	96.60	0.70	16.09	H. Vein	2007-02-21		
H-06-14	7160E	167.00	168.00	1.00	2.83	V	2007-02-21		
H-06-14	7160E	173.00	174.00	1.00	5.96	H. Vein + V	2007-02-21		
H-06-14	7160E	177.90	179.60	1.70	6.19	V	2007-02-21		
H-06-14	7160E	189.90	191.00	1.10	10.89	H. Vein + V	2007-02-21	VG	
H-06-15	7185E	115.00	116.00	1.00	2.27	V	2007-02-21		
H-06-15	7185E	116.00	117.00	1.00	1.32	H. Vein	2007-02-21		
H-06-15	7185E	123.00	124.00	1.00	3.26	V	2007-02-21		
H-06-15	7185E	148.00	149.00	1.00	3.70	H. Vein + V	2007-02-21		
H-06-16	7235E	75.40	76.60	1.20	18.64	V	2007-02-21		
H-07-01	7260E	74.00	75.00	1.00	1.05	H. Vein	2007-02-21		
H-07-01	7260E	84.00	86.00	2.00	106.90	H. Vein + V	2007-02-21		
H-07-01	7260E	96.00	97.00	1.00	11.74	V	2007-02-21		
H-07-01	7260E	104.00	105.00	1.00	4.80	H. Vein + V	2007-02-21		
H-07-01	7260E	105.00	106.00	1.00	4.51	V	2007-02-21		

H. Vein = horizontal vein, V = vertical vein VG = visible gold

Vogel

Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments
H-07-02	7285E	95.00	96.00	1.00	2.91	H. Vein	2007-02-21	
H-07-02	7285E	96.00	97.00	1.00	4.51	H. Vein	2007-02-21	
H-07-03	7310E	No significant assay results					2007-02-21	
H-07-04	7335E	63.00	64.00	1.00	4.63	V	2007-02-21	
H-07-04	7335E	67.00	68.00	1.00	1.49	V	2007-02-21	
H-07-04	7335E	75.00	76.00	1.00	1.71	H. Vein	2007-02-21	
H-07-05	7360E	50.00	51.20	1.20	4.55	V	2007-02-21	
H-07-06	7385E	No significant assay results					2007-02-21	

Schumacher

Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments
H-06-01	6890E	582.00	582.40	0.40	4.11	Quartz vein	2006-06-21	
H-06-02	6500E	No significant assay results					2006-06-21	
H-06-08	6894E	41.52	41.88	0.36	2.68	H. Vein	2006-10-31	horizontal vein 110m, VG
H-06-08	6894E	95.80	96.55	0.75	6.04	V2?	2006-10-31	Sub Vertical
H-06-09	6870E	106.30	107.08	0.78	1.85	H. Vein	2006-10-31	horizontal vein 110m
H-06-09	6870E	122.07	122.40	0.33	5.34	H. Vein	2006-10-31	horizontal vein 110m, VG
H-06-09	6870E	215.10	215.50	0.40	27.35	H. Vein	2006-10-31	horizontal vein 110m, VG
H-06-10	6848E	70.00	70.50	0.50	6.34	V1?	2006-10-31	Sub Vertical

Bell Creek

Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments
BC-08-01		992.35	992.90	0.55	3.02	A	2008-07-09	down dip Bell Creek North A Horizon
BC-08-01		997.00	998.20	1.20	1.54	A	2008-07-09	down dip Bell Creek North A Horizon
BC-08-01		1009.30	1010.10	0.80	3.60	A	2008-07-09	down dip Bell Creek North A Horizon
BC-08-02		356.00	362.05	6.05	5.39	S	2008-07-09	New South Zone
BC-08-02		356.00	357.70	1.70	11.70	S	2008-07-09	New South Zone
BC-08-03		1115.50	1120.00	4.50	1.38	BC	2008-07-09	down dip extension of known Bell Creek Resources
BC-08-04	abandoned due to excessive deviation						2008-07-09	
BC-08-05		279.00	287.10	8.10	5.95	W	2008-07-09	Estenstions of Bell Creek West Horizon
BC-08-05		279.50	279.95	0.45	8.65	W	2008-07-09	Estenstions of Bell Creek West Horizon
BC-08-05		281.00	281.70	0.70	9.28	W	2008-07-09	Estenstions of Bell Creek West Horizon
BC-08-05		286.30	287.10	0.80	33.26	W	2008-07-09	Estenstions of Bell Creek West Horizon
BC-08-05		485.15	486.25	1.10	4.43		2008-07-09	
BC-08-05		603.05	604.25	1.20	2.53	A	2008-07-09	down dip Bell Creek North A Horizon
BC-08-05		609.80	611.25	1.45	4.94	A	2008-07-09	down dip Bell Creek North A Horizon
BC-08-06		769.90	773.00	3.10	3.33		2008-12-10	
BC-08-06		780.20	781.30	1.10	6.46		2008-12-10	
BC-08-06		958.10	959.40	1.30	2.17		2008-12-10	VG
BC-08-07	abandoned due to excessive deviation						2008-12-10	
BC-08-07A	abandoned due to excessive deviation						2008-12-10	
BC-08-07B		947.30	948.30	1.00	17.54	New BC	2008-12-10	Bell Creek Depth Extension - New
BC-08-07B		961.75	963.85	2.10	7.62	New BC	2008-12-10	Bell Creek Depth Extension - New
BC-08-08		1037.60	1038.55	0.95	4.87	A	2008-12-10	Bell Creek West Extension Zone (North A Trend)- New
BC-08-08		1083.20	1088.00	4.80	5.02	A	2008-12-10	Bell Creek West Extension Zone (North A Trend)- New
BC-08-08		1085.10	1087.10	2.00	8.62	A	2008-12-10	Bell Creek West Extension Zone (North A Trend)- New
BC-08-09		988.30	989.45	1.15	7.76	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09		1013.90	1015.90	2.00	5.34	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09		1022.30	1028.60	6.30	7.60	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09		1022.30	1022.60	0.30	39.72	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09		1024.80	1028.60	3.80	8.66	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09		1049.25	1053.90	4.65	6.07	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09		1058.30	1059.30	1.00	2.45	F Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09		1064.70	1066.10	1.40	3.69	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09A		948.30	951.30	3.00	2.21	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC-08-09A		954.80	961.45	6.65	3.26	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09A		1013.00	1014.00	1.00	5.62	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09A		1013.00	1016.00	3.00	2.85	E Ext	2008-12-10	Bell Creek East Extension Zone - New
BC 08 09A		1048.00	1048.60	0.60	1.61	E Ext	2008 12 10	Bell Creek East Extension Zone - New, VG
BC-08-09B		929.25	933.70	4.45	3.83	E Ext	2008-12-10	Bell Creek East Extension Zone - New

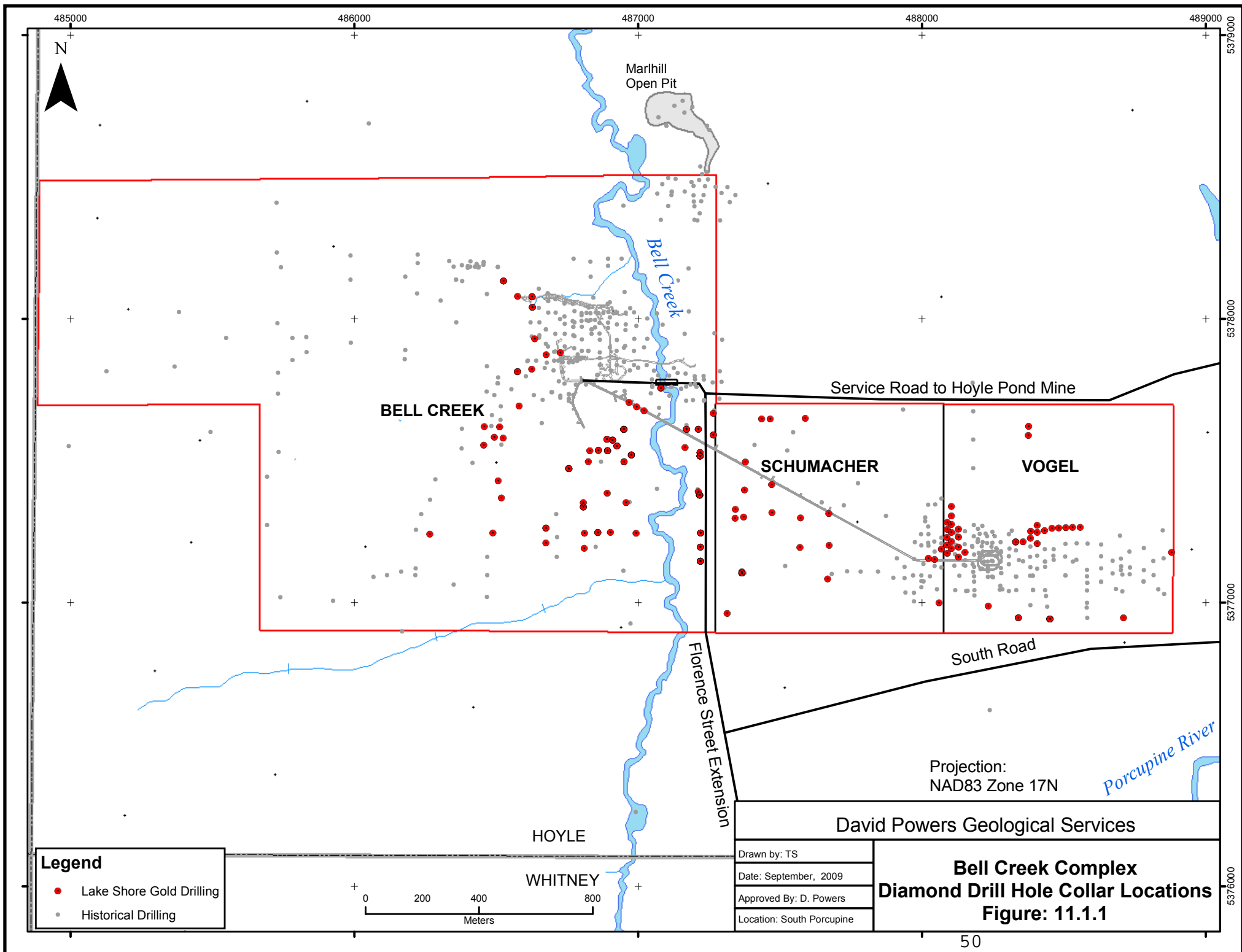
VG = visible gold

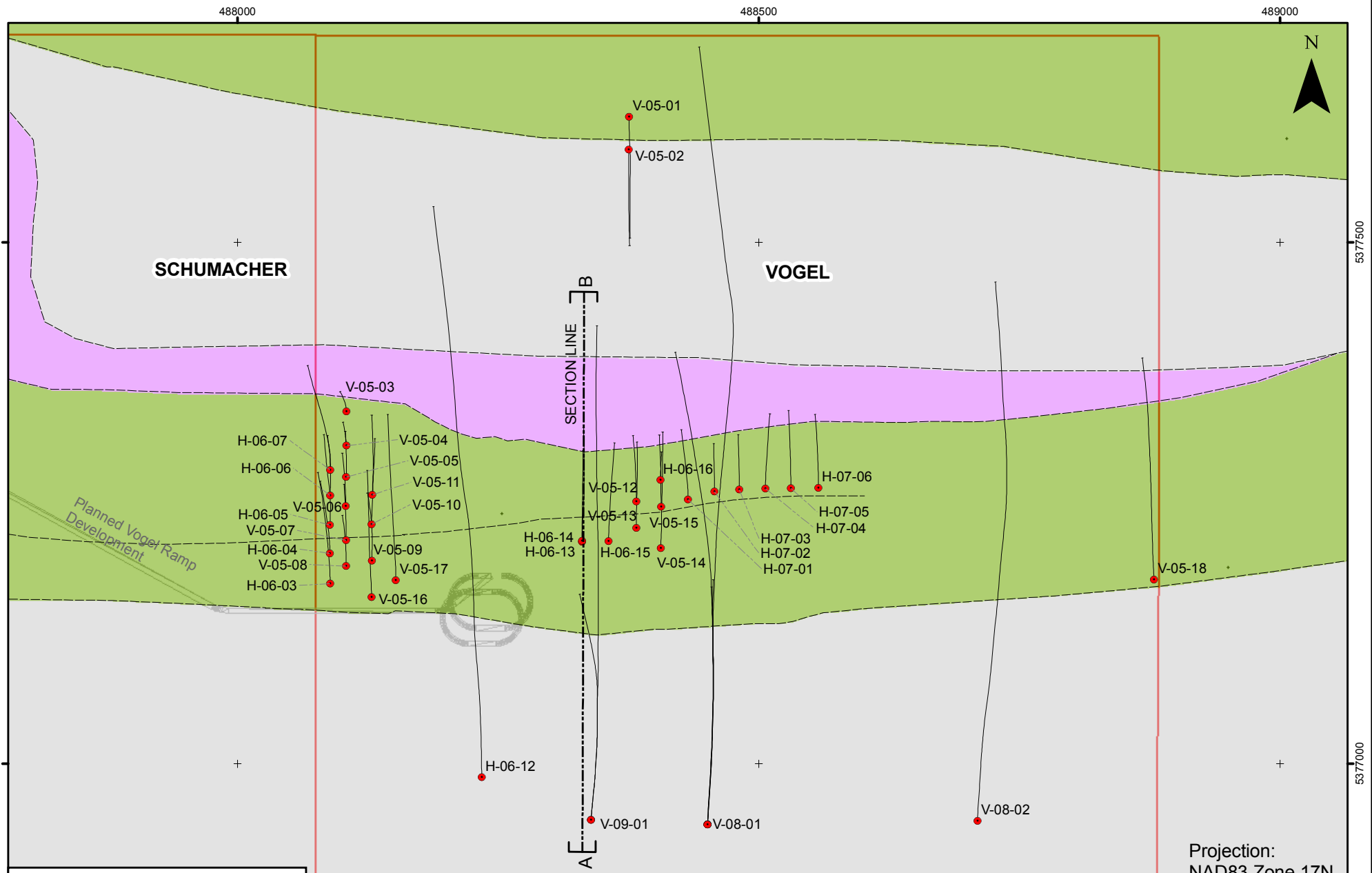
Bell Creek								
Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments
BC-08-09B		931.00	933.70	2.70	5.09	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09B		1010.80	1012.45	1.65	5.80	E Ext	2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-09B		1072.50	1074.50	2.00	1.29		2008-12-10	Bell Creek East Extension Zone - New, VG
BC-08-10		954.80	955.50	0.70	2.02		2008-12-10	
BC-08-11		182.65	183.65	1.00	9.34	W	2008-12-10	Bell Creek West Trend
BC 08-12		429.70	430.50	0.80	3.57		2008-12-10	
BC-08-13		no significant intersections					2008-12-10	
BC-08-14		no significant intersections					2008-12-10	
BC-08-15		no significant intersections					2008-12-10	
BC-08-16		no significant intersections					2009-04-04	
BC-08-17		no significant intersections					2009-04-04	
BC-08-18		no significant intersections					2009-04-04	
BC-08-19		no significant intersections					2009-04-04	
BC-08-20		no significant intersections					2009-04-04	
BC-08-21		157.50	163.00	5.50	1.79		2009-04-04	
BC-08-21		173.50	174.00	0.50	5.48		2009-04-04	
BC-08-21		193.80	194.70	0.90	3.55		2009-04-04	VG
BC-08-22		no significant intersections					2009-04-04	
BC-08-23		612.60	614.00	1.40	3.31		2009-04-04	
BC-08-23		615.80	617.80	2.00	4.46		2009-04-04	VG
BC-08-23		616.80	617.30	0.50	7.44		2009-04-04	
BC-08-23A		612.40	613.00	0.60	10.40		2009-04-04	
BC-08-23A		616.75	620.20	3.45	4.08		2009-04-04	VG
BC-08-23B		609.50	610.50	1.00	1.09		2009-04-04	
BC-08-23B		616.35	617.75	1.40	2.40		2009-04-04	
BC-08-23C		615.60	617.60	2.00	1.64		2009-04-04	VG
BC-08-23D		533.30	535.00	1.70	4.78		2009-04-04	
BC-08-24		141.50	143.40	1.90	4.81		2009-04-04	
BC-08-24		150.15	151.05	0.90	4.77		2009-04-04	
BC-08-24		771.60	779.80	8.20	4.95		2009-04-04	
BC-08-24		771.60	772.00	0.40	10.13		2009-04-04	
BC-08-24		778.90	779.80	0.90	29.77		2009-04-04	VG
BC-08-24A		746.50	747.50	1.00	4.93		2009-04-04	VG
BC-08-24A		755.60	756.60	1.00	7.86		2009-04-04	
BC-08-24B		768.50	775.90	7.40	5.04		2009-04-04	
BC-08-24B		773.55	775.40	1.85	8.72		2009-04-04	
BC-08-25		no significant intersections					2009-04-04	
BC-08-26		no significant intersections					2009-04-04	
BC-08-27		137.15	138.40	1.25	4.77		2009-04-04	
BC-08-28		no significant intersections					2009-04-04	
BC-08-29		no significant intersections					2009-04-04	
BC-08-30		99.60	100.15	0.55	5.61		2009-04-04	
BC-08-31		no significant intersections					2009-04-04	
BC-08-32		218.60	218.90	0.30	55.20		2009-04-04	VG
BC-08-33		206.60	207.60	1.00	4.08		2009-04-04	
BC-09-01		no significant intersections					2009-07-07	possible NS fault
BC-09-02		736.90	749.55	12.65	4.30	A	2009-07-07	Bell Creek North A Zone
BC-09-02		736.90	743.05	6.15	1.98	A	2009-07-07	Bell Creek North A Zone
BC-09-02		743.05	749.15	6.10	6.76	A	2009-07-07	Bell Creek North A Zone
BC-09-02		743.05	744.20	1.15	13.36	A	2009-07-07	Bell Creek North A Zone
BC-09-02		747.15	748.15	1.00	6.86	A	2009-07-07	Bell Creek North A Zone
BC-09-02		746.65	747.65	1.00	11.03		2009-07-07	
BC-09-02		793.90	796.30	2.40	3.67	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		669.85	670.45	0.60	9.43	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		703.25	705.25	2.00	3.11	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		711.45	711.90	0.45	12.25	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		720.00	728.10	8.10	3.63	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		720.00	721.40	1.40	7.08	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		726.20	728.10	1.90	8.71	A	2009-07-07	Bell Creek North A Zone
BC-09-02A		728.10	734.50	6.40	1.64	A	2009-07-07	Bell Creek North A Zone
BC-09-03		760.65	762.15	1.50	5.57		2009-04-04	
BC-09-03		787.90	789.10	1.20	4.94		2009-04-04	
BC-09-03		793.20	795.60	2.40	2.77		2009-04-04	

VG = visible gold

Bell Creek									
Hole Number	Section	From (m)	To (m)	Length (m)	Gold g/tonne	Zone	News Release Date: Yr/Mo/D	Comments	
BC-09-03A		781.10	787.05	5.95	7.06	W	2009-07-07	Bell Creek West Zone	
BC-09-03A		781.60	784.55	2.95	11.73	W	2009-07-07	Bell Creek West Zone, VG	
BC-09-03A		781.60	783.05	1.45	15.74	W	2009-07-07	Bell Creek West Zone	
BC-09-03A		864.50	866.50	2.00	3.90	A	2009-07-07	Bell Creek North A Zone	
BC-09-03A		911.00	912.00	1.00	4.03	A	2009-07-07	Bell Creek North A Zone	
BC-09-04		244.50	246.50	2.00	7.06	W	2009-07-07	Bell Creek West Zone	
BC-09-05		863.60	865.50	1.90	8.40	A2	2009-07-21	Bell Creek North A2	
BC-09-05A		no significant values					2009-07-07		
BC-09-06		no significant values					2009-07-07	diabase dyke at zone interval	
BC-09-09		108.90	109.40	0.50	6.53		2009-07-21	Unknown	
BC-09-10		237.30	239.20	1.90	3.66		2009-07-07	VG	
BC-09-10		357.90	366.40	8.50	1.85	W	2009-07-07	Bell Creek West Zone	
BC-09-12		713.80	714.10	0.30	4.86	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		721.90	730.40	8.50	5.16	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		722.70	723.00	0.30	15.85	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		729.10	730.10	1.00	13.50	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		748.30	749.10	0.80	5.14	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		779.80	780.80	1.00	8.19	A	2009-07-07	Bell Creek North A Zone	
BC-09-12		792.00	792.70	0.70	24.40	A	2009-07-07	Bell Creek North A Zone	
BC-09-13		380.10	381.50	1.40	2.38	W1	2009-07-07	Bell Creek W1	
BC-09-14		389.00	389.90	0.90	1.97	W7	2009-07-07	Bell Creek W7	
BC-09-14		421.20	421.60	0.40	1.81		2009-07-07		
BC-09-15		221.10	221.60	0.50	11.10		2009-07-07		
BC-09-15		243.10	245.10	2.00	2.82		2009-07-07		
BC-09-15		327.30	328.50	1.20	2.15	E1	2009-07-07	Bell Creek E1	
BC-09-16		273.40	274.20	0.80	2.64	E1	2009-07-07	Bell Creek E1	
BC-09-16		333.20	333.70	0.50	2.56	E5	2009-07-07	Bell Creek E5	
BC-09-16		483.60	484.80	1.20	1.67	A	2009-07-07	Bell Creek North A Zone	
BC-09-17		791.70	793.70	2.00	2.00	W	2009-07-07	Bell Creek West Zone	
BC-09-17		945.85	946.50	0.65	6.94	A	2009-07-07	Bell Creek North A Zone	
BC-09-18		426.10	426.70	0.60	1.42	A	2009-07-07	Bell Creek North A Zone	
BC-09-18		434.80	435.80	1.00	1.13	A	2009-07-07	Bell Creek North A Zone	
BC-09-18		438.30	439.30	1.00	5.39	A	2009-07-07	Bell Creek North A Zone	
BC-09-18		451.15	451.65	0.50	1.81	A	2009-07-07	Bell Creek North A Zone	
BC-09-18		453.15	453.45	0.30	6.64	A	2009-07-07	Bell Creek North A Zone, VG	
BC-09-18		454.15	455.15	1.00	2.26	A	2009-07-07	Bell Creek North A Zone	
BC-09-19		79.00	79.04	0.04	8.35		2009-07-21	Unknown	
BC-09-19		212.80	214.60	1.80	3.57	W	2009-07-21	Bell Creek West Zone	
BC-09-19		212.80	214.80	2.00	3.42		2009-07-21		
BC-09-19		436.05	436.35	0.30	16.15		2009-07-21	Bell Creek North A Zone	
BC-09-21		126.40	128.60	2.20	4.12		2009-07-07		
BC-09-21		140.50	140.90	0.40	7.37		2009-07-07		
BC-09-21		268.50	274.00	5.50	2.18	E1	2009-07-07	Bell Creek E1	
BC-09-21		277.00	280.00	3.00	1.75	E2	2009-07-07	Bell Creek E2	
BC-09-21		321.70	322.00	0.30	6.04	E7	2009-07-07	Bell Creek E7	
BC-09-22		314.20	316.00	1.80	1.34	E2	2009-07-07	Bell Creek E2	
BC-09-22		335.00	336.00	1.00	10.05	E3	2009-07-07	Bell Creek E3	
BC-09-24B		1117.90	1131.55	13.65	11.22	W	2009-07-21	Bell Creek West Zone	
BC-09-24B		1119.50	1131.15	11.65	12.70	W	2009-07-21	Bell Creek West Zone	
BC-09-24B		1119.50	1121.70	2.20	24.73	W	2009-07-21	Bell Creek West Zone	
BC-09-24B		1123.50	1125.00	1.50	23.16	W	2009-07-21	Bell Creek West Zone	
BC-09-24B		1126.85	1127.50	0.65	33.70	WEST	2009-07-21	Bell Creek West Zone, VG	
BC-09-24B		1138.50	1140.10	1.60	3.81	A	2009-07-21	Bell Creek North A Zone	
BC-09-24B		1199.20	1200.20	1.00	5.38	A	2009-07-21	Bell Creek North A Zone	

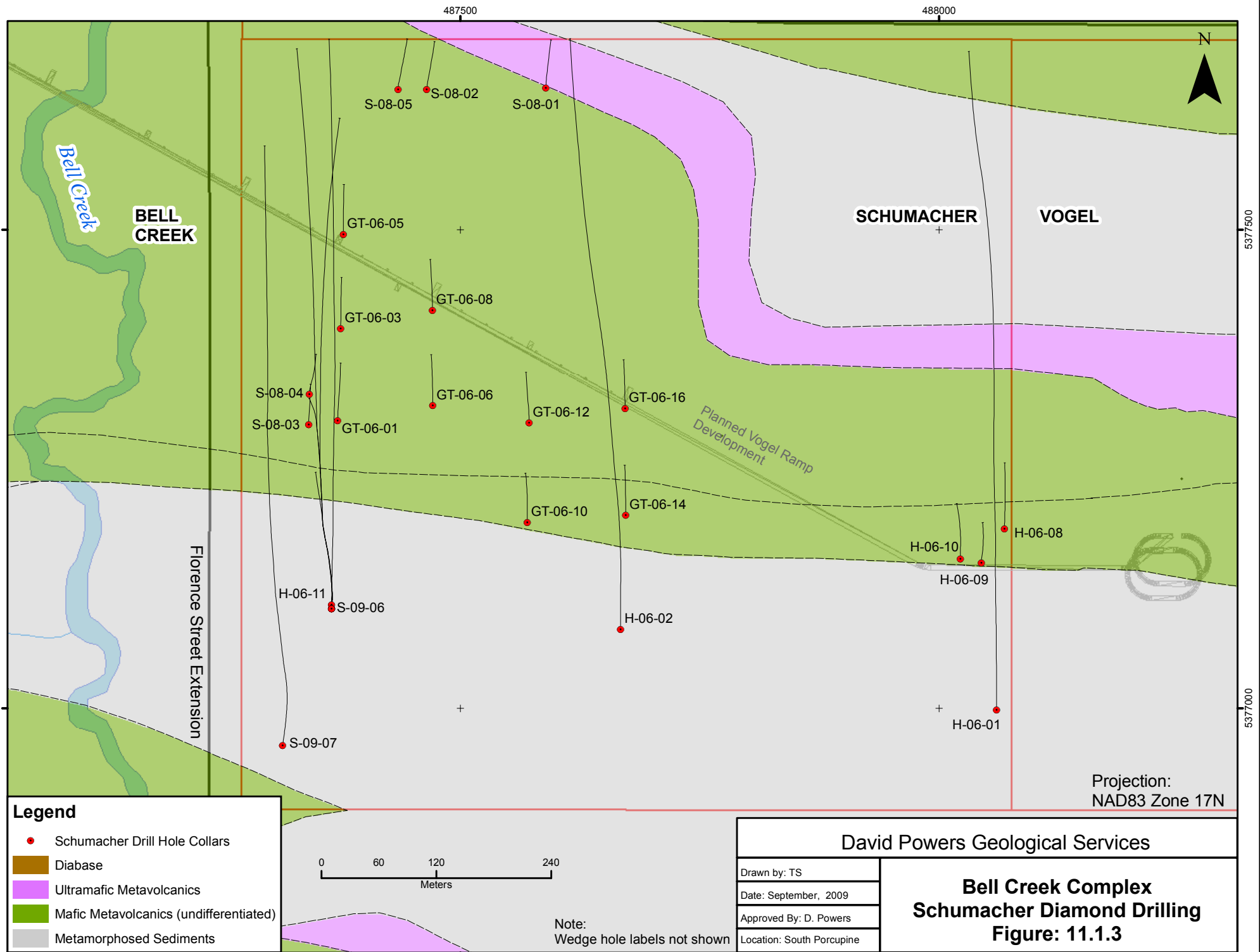
VG = visible gold

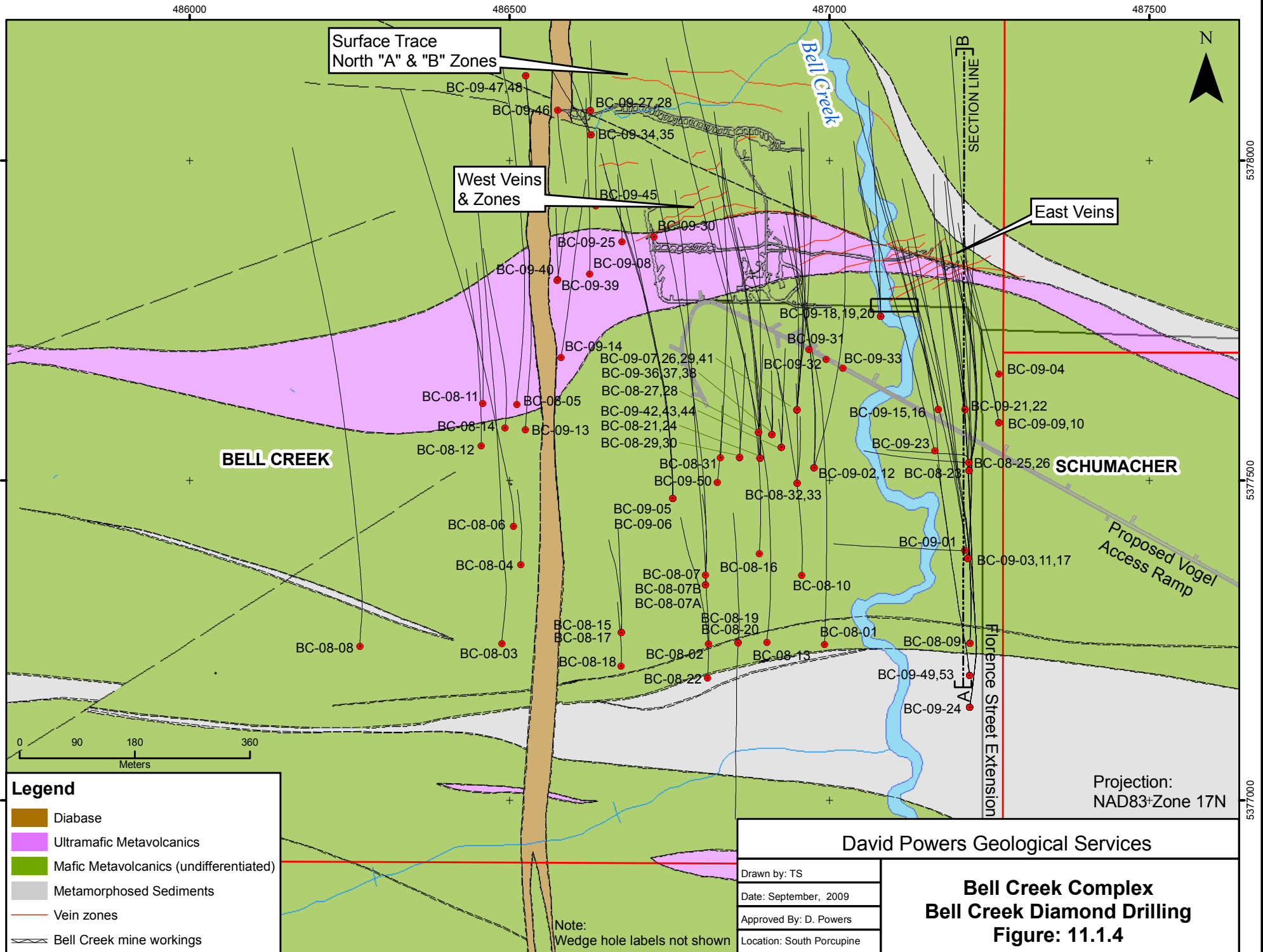


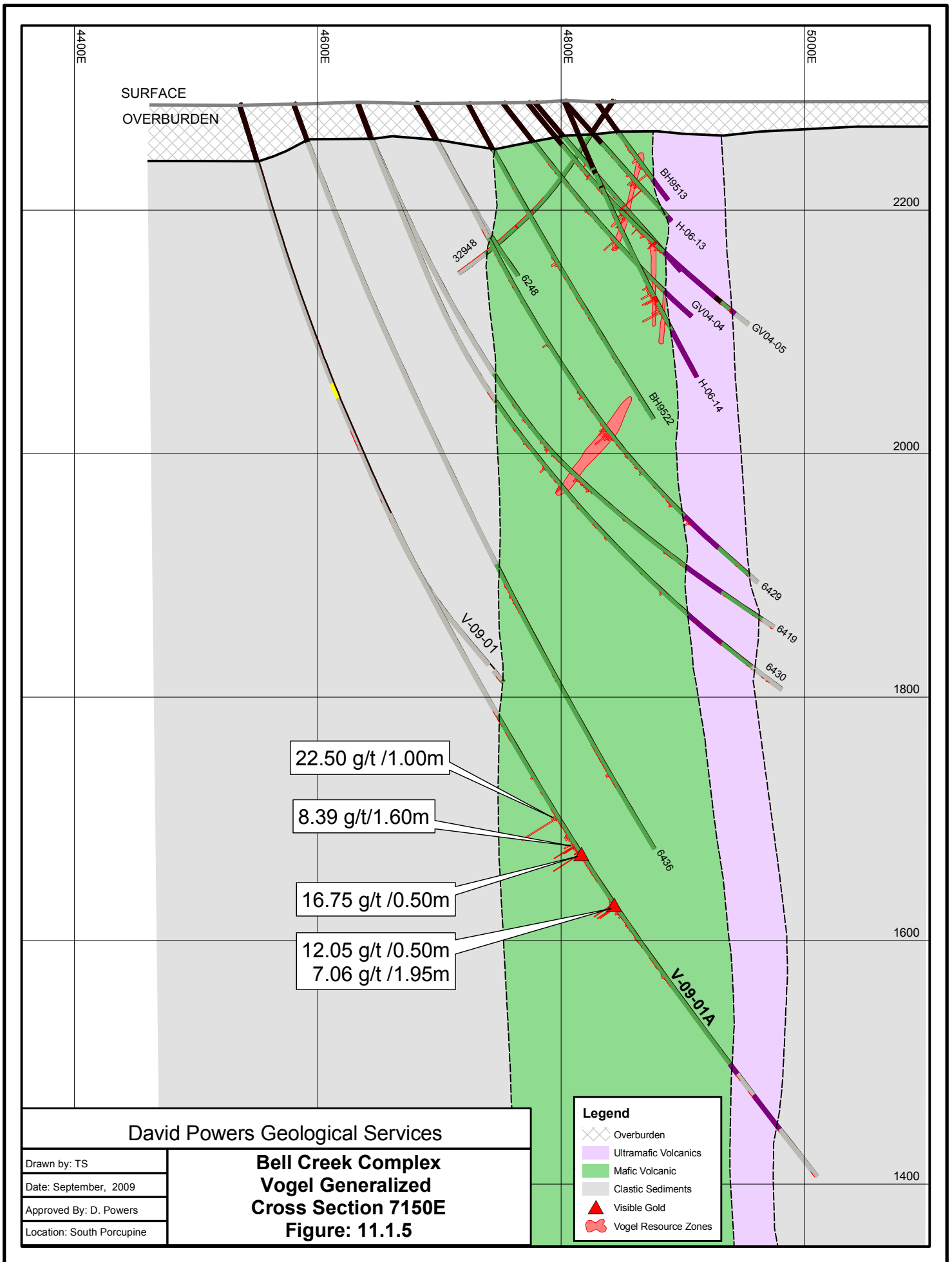


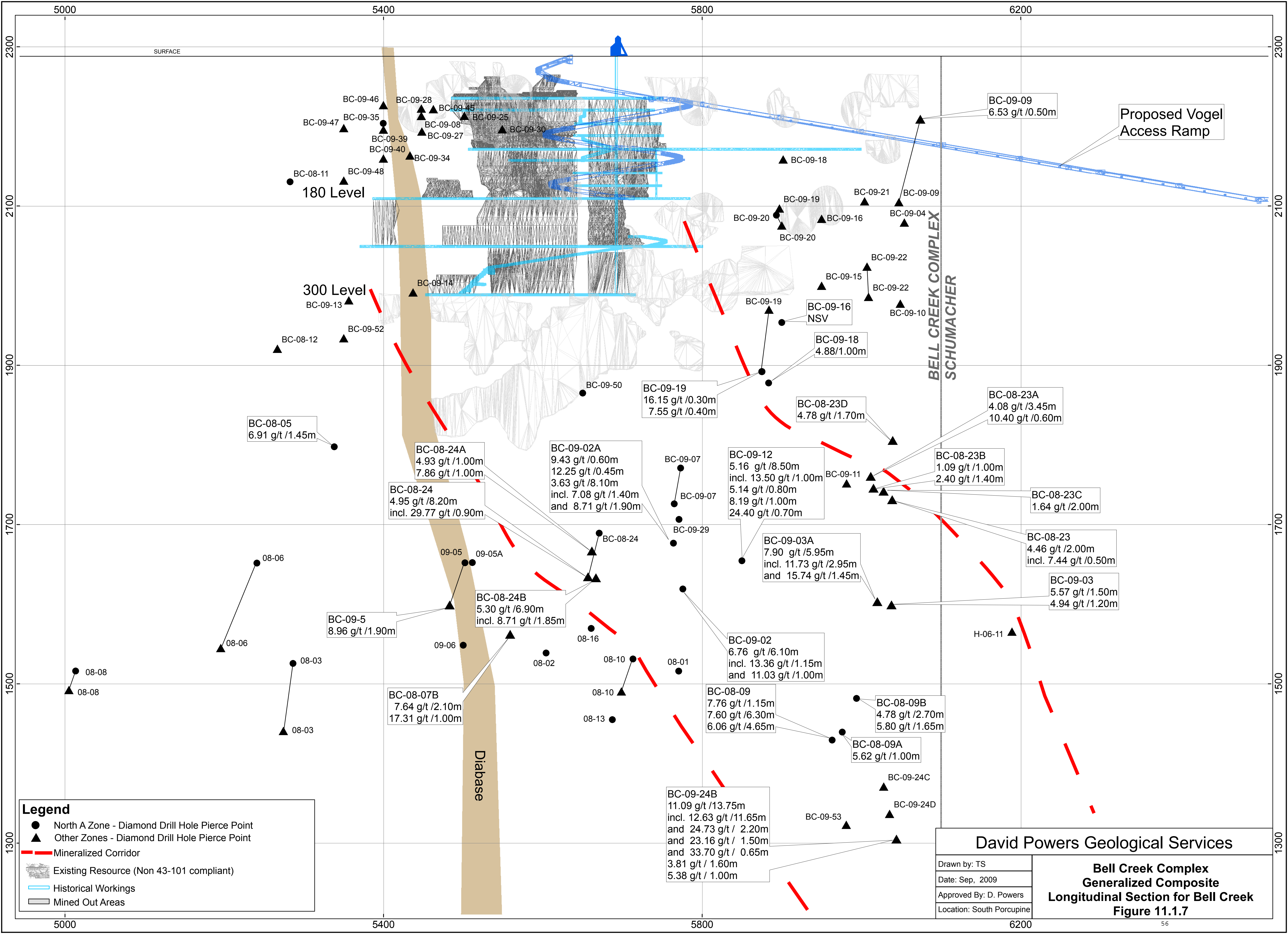
Note:
Wedge hole labels not shown

David Powers Geological Services		
Drawn by: TS	Bell Creek Complex Vogel Diamond Drilling Figure: 11.1.2	
Date: September, 2009		
Approved By: D. Powers		
Location: South Porcupine		









11.2 Lake Shore Core Handling and Logging Protocols

Security of the core from the diamond drill to the core logging facility is facilitated by the diamond drillers securing the drill core boxes, at the drill site, for shipment from the field to the core logging facility located at Lake Shore's exploration office at 1515 Government Road, Timmins. The drill core is delivered to the core logging facility by the Norex and Bradley drill foremen. Under the direct supervision of Richard Labine, P.Geo., and Stephen Conquer, P.Geo., Lake Shore personnel open the boxes; check the metre markers for accuracy; label the boxes for hole number, box number and footage; prepare a quick log; take rock quality designation ("RQD") measurements; and log the core. Mineralized drill core is photographed prior to sawing. Diamond drill core logging is entered directly into a computer database using Gemcom Gems custom drill logger software. The logging software was recently changed from DHLogger. Issues with respect to the software translation and import of data are being resolved. The diamond drill logs are detailed, and describe geology, structure, alteration, mineralization, sample numbers and assay results. The final edited diamond drill log is of adequate professional quality to be able to complete a geological interpretation and be instrumental to characterize a resource block for a resource calculation.

11.3 Hole Collar and Down-Hole Attitude Surveys

All work performed on the Bell Creek Complex is referenced to the Bell Creek mine grid which has been extended eastward through the Schumacher and Vogel properties. Proposed diamond drill hole collar locations are pegged in reference to this grid. Upon completion of the drill hole, L. Labelle surveys of Timmins survey the final collar location, in reference to the mine grid and UTM, NAD 83, Zone 17 coordinates.

As the holes are being drilled, changes in azimuth and inclination are monitored at 30 to 50 metre intervals using an EZ-shot Reflex instrument. Upon completion of a bore hole it is normal practice to have the holes resurveyed using a north-seeking gyro by Halliburton/Sperry Drilling Services of North Bay, Ontario.

12.0 SAMPLING METHOD AND APPROACH

12.1 General

All diamond drill core is archived in core racks or cross piled in a secure systematic indexed core farm at the Lake Shore office compound, or securely cross piled at the enclosed security patrolled Bell Creek mine site, and on the Schumacher and Vogel properties. The sawn core half not sent for assay is available for check assay results. Drill core from the Bell Creek Complex project is easily accessible for inspection, or re-logging.

Assay certificates are not available for most of the historical diamond drilling completed before Lake Shore's acquisitions of the properties (Kusins, 2009, pers. com.). Thus there is a reliance on the face value of historical assay data. In crucial areas where

assay value need confirmation the twinning of historical diamond drill holes can be implemented.

13.0 SAMPLE PREPARATION, ANALYSIS, SECURITY

13.1 Sample Preparation and Assay Procedures

The drill core is prepared, and logged by Lake Shore personnel or contract geologists and geo-technicians under the direction of Richard Labine, P.Geo. and Stephen Conquer P.Geo, both of whom are the QPs for the project. After geological logging is complete the core is given to a trained and supervised core sawing technician. The technician saws the core along the designated sample lines and sample intervals prescribed by the Lake Shore geologist. Generally, sample intervals range from 0.3 to 3.0 metres in length with an average sample length of 0.8 metres. The core sample length is determined by the geologist based upon lithology, alteration, percent sulphides, the presence of visible gold, and geological contacts. The sample size has been reevaluated and adjusted to a maximum sample length of 1.5 metres. Core to be sent for analysis is cut in half using a diamond blade core saw. The core half not bagged and tagged for assay is returned to the core box with a sample tag number stapled into the core box. All drill cores are stored in a secure compound at the office core logging facility or at the Bell Creek mine site as previously stated.

Bagged core samples to be sent for analyses are placed in shipping bags that are sealed with a numbered security seal by Lake Shore personnel. These bags are shipped to the ALS Chemex prep lab facility. Between 2005 and 2008 the samples were forwarded to the Swastika Laboratories in Swastika, Ontario. During the 2009 drilling program, assay samples were delivered by Lake Shore personnel directly to the ALS Chemex prep-lab in Timmins. All samples are analyzed for gold using regular Fire Assay Technique. In reporting assay results the protocol utilized by Lake Shore is Metallic Assay results over ride Fire Assay with gravimetric finish which over rides Fire Assay with atomic absorption finish.

Lake Shore's personnel are not involved in the sample preparation when delivered to the assay laboratory.

Swastika Laboratories Ltd. describe their sample preparation of Lake Shore's samples as: drying the sample as required; crushing the sample to a ½ inch size in a jaw crusher, and proceeding with a total crush to a 10 mesh in a rolls crusher. A Jones riffle splits approximately 350 grams from the sample. The remaining reject is placed in a sealed plastic bag and packed in cartons with sample numbers listed on the outside. The 350 gram sample is then pulverized using a ring and puck pulverizer. Once the sample is homogenized, it is ready for assaying.

The gold analysis for Lake Shore uses a 30 gram aliquot for standard fire assay. The gold assay analysis begins with a fusion using a flux mixture of litharge (PbO_2), sodium cargonate, borax, silica, fluorspar with further oxidants (nirtre) or reductants (flour) added, as required. The relative concentrations of the fluxing materials are adjusted to suit the type of sample being analyzed. An aliquot of silver is added as a final collection,

reduced to PbO_2 and absorbed into a cupel in a cupellation furnace. The precious metals collected in the silver aliquot are now ready for either geochemical analysis using an atomic absorption spectrometer or a gravimetric assay finish. The geochemical analysis method involves dissolving the precious metal and analyzing by atomic absorption. Gravimetric assays are completed by dissolving the silver of the dore bead in nitric acid and leaving the gold to be weighed on a micro balance. When geochemical beads are visually estimated to be 1500 parts per billion (ppb) or more the lab technician has the option to retrieve and weigh them. Swastika's quality control consists of using in house or Canmet standards, blanks and by re-assaying at least ten percent of all samples. The standard that was most frequently used in the Lake Shore sample stream is OxJ64 with a concentration of 2.366 grams per tonne gold, supplied by Rock Labs of New Zealand.

Since the spring of 2009 all drill core samples are being sent to ALS Chemex for sample preparation and assay analysis. The treatment of Lake Shore's drill core samples by ALS Chemex is outlined in the following descriptions, with references to the ALS Chemex procedure codes. Samples are entirely crushed to seventy percent passing through 2 millimetre mesh. The crushed samples are split and a 250 gram sub-sample is pulverized to eighty five percent passing less than 75 micron using a ring & puck pulverize (PREP-31). A 30 gram aliquot was taken from the pulp and analyzed by fire assay and atomic absorption methods (Au-AA24). For samples that returned a value greater than 3 gram per tonne gold, another pulp was taken and analyzed using a gravimetric finish (Au-GRAV22).

Core samples are analyzed by the Pulp and Metallic method (Au-SCR24) at the discretion of Mr. Labine. The entire samples were crushed to seventy percent passing 6 mm mesh, and the entire sample was then pulverized to eighty-five percent passing 75 micron. The pulp is passed through a 100 micron stainless steel screen and the entire plus (+) fraction is analyzed by fire assay and gravimetric finish. The minus (-) fraction is homogenized and two 50 grams aliquots are analyzed by fire assay and atomic absorption finish (Au-AA26 and Au-AA26D). The total gold content is then calculated by combining the weighted averages of the two fine fractions with the grade of the coarse fraction.

A check-assay analysis is also done by the ALS Chemex for their internal quality control by analyzing a second pulp from the coarse reject on every twenty fifth sample received. ALS Chemex used a series of eight different standards within the sample stream. The standards and their average grade, in grams per tonne gold, returned are as follows: CDN-CM3 (0.47), OXL40 (1.94), OXD50 (14.82), OXD57 (0.42), OXN62 (7.69), OXN73 (0.42), SJ32 (2.66), and SJ39 (2.66).

13.2 Quality Assurance/Quality Control

Guidelines for Lake Shore's QA/QC procedures implemented for the Bell Creek Complex project follow the 2003 recommended procedures by consultant, John Reddick, for Lake Shore's Timmins West Gold Project.

A blank sample and certified standard samples are inserted to the sample stream of one each, every twenty to twenty five samples submitted for analysis. Drill core from a local,

gold barren diabase dyke is used as a blank sample medium.

13.2.1 Standards and Blanks

Certified gold standards individually wrapped in 60 grams sealed envelopes were prepared by Ore Research and Exploration Pty. Ltd. of 6-8 Gatwick Road, Bayswater North, Victoria, Australia ("OREA") and provided by Analytical Solutions Ltd. Several standards are used in order to vary the expected value and depending on availability. These Certified Standards are purchased from Ms. Lynda Bloom, Analytical Solutions Ltd., at 1214-3266 Yonge Street, Toronto, Ontario.

13.2.2 Check Analyses

The QA/QC procedures have been monitored by Mr. Richard Labine, P.Geo in an informal manner following the protocols established at the Timmins West Project. Check assays were requested on a non routine individual basis. Lake Shore Gold has recently assigned a database administrator to review all assay data, and reject any analysis that does not meet a newly formulated QA/QC format standard. An embedded routine is being established within the new logging Gemcom logging system software to automatically flag samples that do not meet the protocol standards. A position of a full time quality control and database manager is currently being advertised.

13.3 Security

The Bell Creek Complex project secure chain of custody for diamond drill core and samples starts at the drill and is completed with the safe return and storage of sample pulp and sample rejects to a locked garage storage facility. Frequent and unscheduled visits to the diamond drill sites are made to ensure safety, good working practices and drill core security. The core is transported from the field to the core logging facility by the drill foreman. Lake Shore's personnel receive the core and carry out the logging and sample preparation procedures as previously described. The samples are sent to an ALS Chemex prep lab facility in secure, sealed shipping bags. The return assay results are reviewed by R. Labine, P.Geo. (QP) S. Conquer, P.Geo. (QP), and Bill Schweng, who is assigned as database administrator, as well as selected members of the Lake Shore management group, on a need to know basis.

14.0 DATA VERIFICATION AND SITE VISIT

The author has reviewed, and compared, final Swastika assay certificates and ALS Chemex electronic analysis certificates with Lake Shore's drill database for the mineralized zones of 1 gram and greater for the Bell Creek diamond drill core assay results. The assay database is true to the assay certificates reviewed.

A site visit confirming field work discussed in this report took place September 9, September 26th and September 30th, 2009. A review of the core shack, drill core geology, core logging and assay sampling procedures, core, pulp and reject storage facilities took place on September 24, and September 30th, 2009. Located in Appendix 4 are photo plates taken on the property and of the drill core logging procedure.

15.0 ADJACENT PROPERTIES

The Bell Creek mine complex situated 5 kilometres west of the operating Hoyle Pond mine, 800 metres southwest of the past producing Marlhill open pit and 2.8 kilometres west of the centre of the past producing Owl Creek Pit. All three of these gold deposits are owned by Goldcorp Inc. Goldcorp are phasing out mining in the Pamour open pit situated 6 kilometres southeast of the Bell Creek mine head frame. Rocque et al. (2006) summarize the mineral resources and mineral reserves as follows in Table 15.0.1.

Table 15.0.1 Summary of Mineral Resources (after Rocque et al.)

Location	Tonnage (t)	Grade (g/t)	Metal Content	
			(oz)	(kg)
Measured				
Hoyle Pond UG	116,757	9.064	34,025	1,058.292
Hoyle Pond CP OP	5,034	8.423	1,363	42.398
Owl Creek OP	924,079	2.796	83,069	2,583.725
Marlhill UG	0	0	0	0
Indicated				
Hoyle Pond UG	411,136	9.706	128,292	3,990.322
Hoyle Pond CP OP	11,691	2.285	859	26.710
Owl Creek OP	965,284	2.448	75,973	2,363.015
Marlhill UG	56,422	8.030	14,566	453.069
Inferred				
Hoyle Pond UG	848,500	9.498	259,093	8,058.679
Hoyle Pond CP OP	84,764	8.048	21,932	682.152
Owl Creek OP	96,123	2.082	6,434	200.128
Marlhill UG	453,069	8.940	85,750	2,667.133

16.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

The terms of reference for this technical report is the recent diamond drilling for the period between August 2005 and July 31st 2009. The purpose of the current advanced exploration program is to determine the gold mineral resource potential of the Bell Creek Complex properties. Historical, non NI 43-101 compliant inferred resources for the Bell Creek Mine are described as 346,000 tonnes at 7.70 grams per tonne gold for 85,880 ounces gold (uncut); the Vogel property at 642,000 tonnes at 12.2 grams per tonne gold containing 261,200 ounces of gold in non compliant measured and indicated description plus an additional non compliant inferred resource of 933,800 tonnes at 12.2 grams per tonne gold for 379,800 ounces of gold; and the Schumacher property with a historical measured and indicated resource of 156,000 tonnes at 5.99 gram per tonne for 30,043 ounces of gold (uncut) (for reference see Lake Shore webpage).

17.0 MINERAL PROCESSING AND METALLURGICAL TESTING

No samples from either diamond drill core or the ramp development have been submitted for mineral processing or metallurgical testing by Lake Shore Gold Corp.

18.0 OTHER RELEVANT DATA AND INFORMATION

To the best of the author's knowledge all relevant data has been presented with in this report. The diamond drilling presently continues on the project, utilizing 6 diamond drill rigs. Data and information cut off for this report is July 31st, 2009. Information Lake Shore Gold Corp. has received past this date is not revealed or discussed.

19.0 INTERPRETATION AND CONCLUSIONS

Knutson (1983) states that Bell Creek and the North Zone were discovered by routine diamond drill follow up of electromagnetic conductors and Induced Polarization anomalies. He recognized that carbonate alteration is wide spread throughout the area, and affects most rock types to varying degrees. Because of the close association of the carbonate alteration with gold mineralization, the degree and type of alteration is particularly significant and useful as an exploration guide. These observations led to the discovery of gold mineralization within the "New Mines Trend" and hold true as an exploration guide at present.

Richard Labine (pers. com.) points out the grey zones are discordant to lithology. A significant amount of gold mineralization is associated with the occurrence of the grey zones; however, not all grey zones contain gold. The presence of, or lack of gold in grey

zones does not allow these zones to be used as an absolute exploration tool for a gold mineralized zone. The grey zone presence only suggests the possibility of gold being present. Determining the unknown factor which in combination with the grey zone makes the grey zone auriferous could be a valuable exploration tool.

Fyon et al., (1992, p.1149) describe the general geometry characterizing a tabular gold deposit as: “generally relatively narrow, and have much greater strike length and down-dip dimensions, with respect to thickness. For example, the down dip dimension to thickness aspect ratio of the Kerr Addison-Chesterville deposit, Larder lake camp, is a minimum of approximately 16:1 and the down-dip dimension to strike length aspect ratio is about 1.5:1 (Smith et al., 1990). Similar ratios describe vein shoots in the Pickle Crow and Central Patricia deposits (Ferguson, 1966).”

Using these ratios, the generalization implies that a mineralized system with a strike length of 800 metres could have a down dip dimension of 1,200 metres and a width of 75 metres. The gold mineralized systems at the Bell Creek Complex remains open along strike and at depth and warrants deep drill testing and underground exploration to verify the value and continuity of the Bell Creek and Vogel mineralized zones.

The diamond drill core intercept in hole BC-09-24B of 11.09 grams per tonne gold over 13.75 metres of core length is a significant intersection. The uncertainty of the true width, strike length, dip extent, and the interpretative zone designation for an intercept that is 700 metres below the Bell Creek Mine workings warrants additional drilling at 50 metre centres surrounding the intersection, along strike and up and down plunge.

The presence of an interpreted flat vein system at the Schumacher and Vogel mineralized zones disputes the certainty of the previous historical interpretation and the calculated resource estimates. The historic interpretations are based upon a set of sub-vertical mineralized zones displaying continuity in strike and dip. B. Kusins (2009) has interpreted them as a series of stacked sigmoidal lenses. The zones could also resemble the 9/7/B4 series of veins at Hoyle Pond, being steeply dipping in the south flattening and then returning to steeply dipping in the north, as a sigmoidal, box or saddle shape. The shape, continuity and consistency of mineralization, and the structures controlling the mineralized zone cannot be determined by diamond drilling. It is necessary to go underground and test the Schumacher and Vogel mineralized zone both by means of a crosscut cutting, raise on the zone, and drifting into the zone to establish continuity. Extraction of mineralized material should be strictly monitored as a bulk sample, and reconciled with the estimates of gold content derived from diamond drilling, chip sampling assays, and muck sampling assays. The comparison of the estimates and the reconciliation will support a stronger confidence level in the resource modeling.

With less than three percent outcrop exposure the driving of an access drift across stratigraphy from the Bell Creek Mine to the Vogel mineralized zones provides an excellent opportunity to geologically map, sample and drill test stratigraphy and zones outbound from the workings. The details of alteration, structure, lithology and mineralization intersected by the drive as it crosscuts the ultramafic/mafic metavolcanic rocks should provide Lake Shore geologists with a valuable opportunity to better understand geology and provide a more robust interpretation of the interactions of lithology, structure and mineralization. This applied knowledge would add more credibility to the resource modeling and resource calculations.

20.0 RECOMMENDATIONS

20.1 General

Gold mineralized zones of the Bell Creek Complex project couple well with geophysical methods of electromagnetic and induced polarization surveys. Prior to the development of the Bell Creek mine and mill site infrastructure the area was subjected to these geophysical survey methods. Recommended is the acquisition and emplacement of the historical survey data into a GIS environment and a reinterpretation of these surveys. Since the time of the geophysical surveys, knowledge of the underlying geological stratigraphy has been enhanced. Contained within these surveys may be overlooked conductors that could imply structural weakness in the path of future ramp development to both the A and Vogel zones. A re-examination and reinterpretation of this data may also enhance the geological interpretation within 100 metres of surface.

Kent (1990) states that the presence of active carbon in some of the mineralized pods associated with interflow metasedimentary rocks, presents a deleterious effect of the carbon to the gold recovery. An attempt to better define and understand the controls of the carbon/mineralized pod association is highly recommended. It may be meaningful to know if the active carbon present is in the total mineralized pod, or if it is a local alteration halo that changes along the mineralized strike and dip.

Several gold veining pods, trends or systems are located within the boundaries of the Bell Creek Complex project. Production has occurred within the West Zone and A-Horizon. The geometry and economics of any resource within the West Veins, East Veins, Portal Zone, the B-Horizon and Vogel mineralization remains to be explored and defined. The understandings of the controls of gold mineralization are only generalized with broad associations to the mafic/ultramafic metavolcanic rock contacts, the grey zones, and quartz, sericite, carbonate, ankerite and albite alteration. The author recommends a review of the historical and current information with the scope to better understanding and defining the various mineralization and alteration envelopes and an endeavor to determine the relationships between the various structures and known mineralization. The contouring of the overlapping alteration zones, structure and mineralization may provide a vectoring tool for future exploration and diamond drill hole testing.

Diamond drill holes target the areas where it is believed additional drill density is required to develop and enhance the definition of mineral resources. At Bell Creek Mine the areas targeted are between the A-Zone and West Zone and include the West Veins and East Veins. The most significant intersection released to date is from drill hole BC-09-24B with 11.09 grams per tonne gold over 13.75 metres core length. This intersection is illustrated on longitudinal projection as being approximately 700 metres below the current workings and approximately 350 metres east of the shaft, down a projected plunge from the remaining historical resources outlined and the mineralization previously mined. Drilling by Lake Shore is on widely spaced centres ranging from 50 to 200 metres. Additional drilling is required at a minimum of 50 metres spacing to outline additional resources. The driving of the decline to the A-Horizon and Vogel will enhance the geological, structural and mineralized zone knowledge, to better test the mineralized zones and increase the confidence level of block modeling by determining how the zones behave vertically and horizontally.

The internal quality control from the assay laboratories with respect to their assay blanks and standards appears to be satisfactory. One of the two laboratories has less constraint on the numerical difference between duplicate or check assays tested compared with the other laboratory. In the 1980's Canamax Resources Inc. noted difficulties of repeating sample assays due to a gold nugget effect. The author did not see any serious discrepancies in the differences between samples within mineralized zones. Failure of Lake Shore's inserted standards to return assay results within 3 standard deviations of the mean value of the standard is resulting in some assays having to be re-analyzed. Establishing a protocol for inserting blind standards, blanks and duplicates into the drill core sample stream is strongly recommended.

The available magnetic survey data within the boundaries of the Bell Creek Complex is of insufficient quality to interpret lithological contacts and differences between ultramafic metavolcanic rocks, the mafic metavolcanic rocks and the metasedimentary rocks. To aid with the interpretation a VTEM high resolution magnetic and electromagnetic survey is recommended. The VTEM system will penetrate to a depth of +300 metres, which will increase the depth of the geophysical knowledge below the historical surface geophysical surveys, and aid in the interpretation of future exploration targets.

20.2 Lake Shore Proposed Work Plan and Budget

Lake Shore Gold Corp. has a present budget in place to maintain the Bell Creek mine and mill facility; and includes the dewatering of the underground workings, the surface diamond drilling of the Bell Creek deep zones from Bell Creek onto the Schumacher property and the driving of an access to the A-Horizon and Vogel mineralized zones.

Proposed is an additional budget to complete the following:

Interpretive geology and resource modeling:		\$40,000
Diamond drill testing:		
4) -750 metres level at Bell Creek:	18,000 metres	\$2,520,000
5) Underground at Bell Creek:	29,000 metres	\$2,030,000
6) Surface at Bell Creek, Schumacher And Vogel:	17,000 metres	\$3,060,000
Airborne High Resolution Magnetic and EM Survey:		
	8.5 km X 5 km	\$123,000
Total Recommended budget		\$7,773,000

A follow up program, the details of which are dependent upon the results of the present and proposed budget, will have to be cost estimated and is beyond the scope of this report. The proposal should include detailed mapping of the underground drive, establishment of crosscuts and raises on the Vogel mineralized systems, detailed sampling. A further program of underground diamond drilling at Vogel may have to take place to determine resource blocks. A bulk sample should be taken and reconciled against the sample medium of core, muck and chip samples. This reconciliation should give strength and validity to the expectations of the resource calculation.

CERTIFICATE

To Accompany the Report titled "A Technical Review and Report of the Bell Creek Complex Properties' Exploration Diamond Drill Programs August 2005 to July 31, 2009, Hoyle Township, Porcupine Mining Division, Ontario, Canada, for Lake Shore Gold Corp.", Dated September 30, 2009.

I, David H. R. Powers, do here by certify that:

1. I reside at 385 Sony Street, South Porcupine, Ontario, Canada, P0N 1H0.
2. I am a graduate from Lakehead University, Thunder Bay, Ontario with an Honours B.Sc. Geology degree (1974), and I have practiced my profession continuously since that time.
3. I am a member of the Association of Professional Geoscientists of Ontario (Membership Number 0114).
4. I have practiced my profession as a geologist for 34 years being employed by Noranda Exploration Company Limited (N.P.L.), Noranda Mines Limited, Placer Dome C.L.A. Limited, Placer Dome North America Limited, Dome Mine, Placer Dome (C.L.A.) Limited – Porcupine Joint Venture, and Placer Dome Canada. As an independent geological consultant my services have provided to Central Crude Limited, Dome Mine, CanAlaska Uranium Limited and Pacific North West Capital Corp. I have actively explored for Archean hosted gold deposits since 1985.
5. I have experience with various mineral deposit types, Mineral Resource estimation techniques, and the preparation of technical reports.
6. I have read the definition of "qualified person" set out in NI 43-101 and certify that by reason of my education, affiliation with a professional association (as defined in NI43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purpose of NI 43-101.
7. I have visited the Bell Creek Complex Properties on September 9th, 2009, September 26 and September 30th, 2009 and examined core from the property as well as the core logging and core storage areas on September 24th, September 29th and September 30th, 2009.
8. I am responsible for the preparation of all sections of the Technical Report titled: "A Technical Review and Report of the Bell Creek Complex Properties' Exploration Diamond Drill Programs August 2005 to July 31, 2009", dated September 30th, 2009.
9. 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.
10. I am independent of the issuer (Lake Shore Gold Corp.) applying tests in section 1.4 of National Instrument 43-101, and there were no circumstances that were or could be seen to interfere with my judgment in preparing the Technical Report.

11. I have read National Instrument 43-101 and form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and that form.
12. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated in South Porcupine, Ontario, this the 30th day of September, 2009

David H. R. Powers



David H. R. Powers, P.Geo. (APGO No. 0114)

REFERENCES

Report References:

ALS Laboratory Group, 2009 (CAD); Schedule of Services and Fees, ALS Minerals.

Anglin, C. D., 1992; Sm-Nd and Sr Isotope Studies of Scheelite From Some Superior Province Gold Deposits; A thesis submitted to the Faculty of Graduate Studies and Research in partial fulfillment of the requirements for the degree of Doctor of Philosophy, Ottawa-Carleton Geoscience Centre and Department of Earth Science, Carleton University, Ottawa, Ontario.

Ayer, J., Berger, B., Johns, G., Trowell, N., Born, P., Mueller, W.U., 1999; Late Archean Rock Types and Controls On Gold Mineralization In The Southern Abitibi Greenstone Belt Of Ontario; Field Trip B3 Guidebook, Geological Association of Canada (GAC), Mineralogical Association of Canada (MAC), Joint Annual Meeting, 1999, Sudbury, Ontario, Canada.

Ayer, J.A., Baker, C.L., Kelly, R.I., Stott, G.M., Thurston, P.C., 1999; Summary of Field Work and Other Activities 1999; Ontario Geological Survey, Open File Report 6000, Queen's Printer of Ontario. Ayer, J.A., Trowell, N.F., Madon, Z., Kamo, S., Compilation of the Abitibi Greenstone Belt in the Timmins-Kirkland Lake Area; revision to stratigraphy and new geochronological results; p. (4) 1-14.

Ayer, J.A., Dubé, B., Trowell, N.F. 2009, NE Ontario Mines and Minerals Symposium, PowerPoint Presentation: Stratigraphic and Metallogenic Comparison of the Detour Burntbush area with the Southern Abitibi.

Ayer, J., Trowell, N., (OGS); Amelin, Y., Kamo, S. and Kwok, Y., (ROM), 2000; PowerPoint Presentation: Deep Crustal Structures in the Abitibi Greenstone Belt And their Prolonged Control on the Distribution of Stratigraphy and Mineral Deposits; Toronto, January 2000.

Ayer, J., Barr, E., Bleeker, W., Creaser, R.A., Hall, G., Ketchum, J.W.F., Powers, D., Salier, B., Still, A., Trowell, N.F., 2003; Discovery Abitibi, New geochronology results from the Timmins Area: Implications for the Timing of Late-Tectonic Stratigraphy, Magmatism and Gold Mineralization. Summary of field work and other activities, Ontario Geological Survey, Open File Report 6120, p. 33-1 to 33-11.

Ayer, J.A., Thurston, P.C., Bateman, R., Dubé, B., Gibson, H.L., Hamilton, M.A., Hathaway, B., Hocker, S.M., Houlié, M.G., Hudak, G., Ispolatov, V.O., Lafrance, B., Leshner, C.M., MacDonald, P.J., Péloquin, A.S., Piercey, S.J., Reed, L.E., Thompson, P.H., 2005; Overview of Results from Greenstone Architecture Project; Discovery Abitibi Initiative, Open File Report 6154, Ontario Geological Survey.

Barrie, C.T., 1992; Geology of the Kamiskotia Area, Ontario Geological Survey Open File Report 5829.

- Barrie, C.T., and Associates Inc., 2004; Final Report, Geochemistry of Exhalites and Graphitic Argillites near VMS and Gold Deposits, an Ontario Mineral Exploration Technologies (OMET) Project, MRD173, Chapter 4., Geochemistry of Graphitic Argillites near Owl Creek and Hoyle Pond Gold Deposits, Timmins Area, Ontario.
- Bateman, R., Ayer, J.A., Dubé, B., Hamilton, M.A., 2005; the Timmins-Porcupine Gold Camp, Northern Ontario: The Anatomy of an Archean Greenstone Belt and its Gold Mineralization: Discovery Abitibi Initiative, Open File Report 6158, Ontario Geological Survey.
- Berger, B.R. 1998; Precambrian Geology of Hoyle and Gowan Townships, Ontario Geological Survey, Report 299.
- Berger, B.R. 1998; Precambrian Geology of Hoyle and Gowan Townships, Ontario Geological Survey, Maps M2532 – Precambrian Geology of Hoyle Township and M2533 Precambrian Geology of Gowan Township.
- Berry, L.G., 1941; Geology of the Bigwater Lake Area, Forty-eighth Annual Report of the Ontario Department of Mines being Vol. XLVIII, Part XII, 1939.
- Berry, L.G., 1941; Geology of the Bigwater Lake Area, Forty-eighth Annual Report of the Ontario Department of Mines being Vol. XLVIII, Part XII, 1939, Map No. 48n, Bigwater Lake Area.
- Brisbin, D.I., 1986; Geology of The Owl Creek and Hoyle Pond Gold Mines, Hoyle Township, Ontario, An independent project submitted to the Department of Geological Science Queen's University, Kingston, Ontario, in conformity with the requirements of the Non-Research Masters of Science Degree in Mineral Exploration.
- Brisbin, D.I., 1997; Geological Setting of Gold Deposits in the Porcupine Camp, Timmins, Ontario, A thesis submitted to the Department of Geological Science in conformity with the requirements for the degree of Doctor of Philosophy, Queens University, Kingston, Ontario.
- Brisbin, D.I., 2000; World Class Intrusion Related Archean Vein Gold Deposits of the Porcupine Gold Camp, Timmins, Ontario, Geology and Ore Deposits 2000, The Great Basin and Beyond, Proceedings, Geological Society of Nevada Symposium Volume 1, p. Brisbin-19-35.
- Burrows, A.G., 1911; the Porcupine Gold Area, Twentieth Annual Report of the Bureau of Mines, 1911, Vol. XX, Part II.
- Burrows, A.G., and Rogers, W.R., 1912; Map of the Porcupine Gold Area, District of Temiskaming, Ontario; First Edition, July 1910; Second Edition, April 1911. Scale: 1:63,360. To accompany the Twentieth Report of the Bureau of Mines 1911.

- Burrows, A.G., and Rogers, W.R., 1912; Map of the Porcupine Gold Area, District of Temiskaming, Ontario; First Edition, July 1910; Second Edition, April 1911; Third Edition June 1912. Scale: 1:63,360. To accompany the Twenty-first report of the Bureau of Mines, 1912.
- Butler, H.R., 2008: Technical (Geological) Report on the Bell Creek Complex, Hoyle Township, Porcupine Mining Division, Ontario, Canada, Prepared for Lake Shore Gold Corp.
- Camsell, C., 1948; Structural Geology of Canadian Ore Deposits, A symposium arranged by a committee of the Geology Division of the Canadian Institute of Mining and Metallurgy, p. 442 to 570.
- Card, K.D., Poulsen, K.H., 1998; Geology of Precambrian Superior and Grenville Provinces and Precambrian Fossils in North America, Geology of Canada No. 7, Chapter 2, Geology and Mineral Deposits of the Superior Province of the Canadian Shield, Geological Survey of Canada, p. 15 to 68.
- Coad, P.R., Brisbin, D.I., Labine, R.J., Roussain, R., 1998; Geology of Owl Creek Gold Mine, Timmins, Ontario, CIMM Exploration and Mining Geol. Vol. 7, No. 4, p. 271-286.
- Easton, R.M., 2000; Geochronology of Ontario; Ontario Geological Survey, Miscellaneous Release Data 75
- Eastwood, A.M., 2004; 2004 Diamond Drill Program, Vogel Project, an internal memo Glencairn Gold Corporation.
- Ferguson, S.A., 1957; Geology of Bristol Township, Sixty-Sixth Annual Report of the Ontario Department of Mines, being Volume LXVI, Part 7.
- Ferguson, S.A., 1957; Bristol Township, District of Cochrane, Ontario; Ontario Department of Mines, Map 1957-7, scale 1:12,000.
- Ferguson, S.A., 1968; Geology and Ore Deposits of Tisdale Township, Geological Report 58, Ontario Department of Mines.
- Ferguson, S.A., Groen, H.A., Haynes, R., 1971; Gold Deposits of Ontario, Part 1, Districts of Algoma, Cochrane, Kenora, Rainy River and Thunder Bay, Ontario Department of Mines, Mineral Resources Circular No 13., p. 49 to 50, 123-124.
- Fyon, J.A., Breaks, F.W., Heather, K.B, Jackson, S.L., Muir, T.L., Stott, G.M., Thurston, P.C. 1991; Geology of Ontario, Special Volume 4, Part 2, Chapter 22, Metallogeny of Metallic Mineral Deposits in the Superior Province of Ontario, Ontario Geological Survey, p. 1091 to 1174
- Gareau, M., 2004; Continuation of Vogel Drill, an internal memo Glencairn Gold Corporation.

- Gray, D. Mathew, 1994; Multiple Gold Mineralizing Events In The Porcupine Mining District, Timmins Area, Ontario, Canada; A thesis submitted to the faculty and the Board of Trustees of the Colorado School of Mines in partial fulfillment of the requirements for the degree of Doctor of Philosophy (Geology).
- Harvey, P.G., 2005; Porcupine Joint Venture; Report on the 2005 Exploration program, Bell Creek Mine, Timmins, Ontario.
- Hawley, J.E., 1926; Thirty-Fifth Annual Report of the Ontario Department of Mines being Vol. XXXV, Part VI, 1926, p. 1 to 36.
- Hawley, J.E., 1926; Map No. 35g, The Townships of Carscallen, Bristol and Ogden, district of Cochran, Ontario, scale: 1:47520.
- Hawley, J.E., 1926; ARM35G, The Townships of Carscallen, Bristol, and Ogden, District of Cochrane, Ontario, Map 35g, scale: 1:47,520, Ontario Department of Mines.
- Hodder, R.W., Petruk, W., 1980; Geology of Canadian Gold Deposits, Proceedings of the CIM Gold Symposium, published for the Geology Division of CIM, Special Volume 24, The Canadian Institute of Mining and Metallurgy, p. 101 to 170.
- Jackson, S.L., Fyon, J.A., 1991; Geology of Ontario, Special Volume 4, Part 1, Chapter 11, the Western Abitibi Subprovince in Ontario, Ontario Geological Survey p. 405 to 482.
- Jackson, S.L., Fyon, J.A., 1991; Geology of Ontario, Special Volume 4, Part 2, Chapter 22, The Metallogeny of Metallic Mineral Deposits in the Superior Province of Ontario, Ontario Geological Survey, p. 1149.
- Kent, G., 1990; Bell Creek and Marlhill Mine Area; Geological Survey of Canada, Open File 2161; Geology and Ore Deposits of Timmins District, Ontario; Field Trip 6; 8th IAGOD Symposium Field Trip Guide; p. 124-128.
- Kerrich, R., 1983; Geochemistry of Gold Deposits in the Abitibi Greenstone Belt, Special Volume 27, Canadian Institute of Mining and Metallurgy.
- Kingston, D.M, 1987; Geology and Geochemistry of the Owl Creek Gold Deposit, Timmins Ontario., Department of Earth Science Carleton University, Ottawa, Ontario, A thesis submitted to the Faculty of Graduate Studies and Research in partial fulfillment of the requirements for a Masters of Science.
- Krikham, R.V., Sinclair, W.D., Thorpe, R.I., Duke, J.M., (editors) 1993, Mineral Deposit Modeling, Geological Association of Canada Special Paper 40, p. 465 to 479, and 635 to 678.
- Labine, R.J., 1990; Hoyle Pond Mine; Geological Survey of Canada, Open File 2161; Geology and Ore Deposits of Timmins District, Ontario; Field Trip 6; 8th IAGOD Symposium Field Trip Guide; p. 114-123.
- Labine, R.J., 2005; Vogel Property Timmins Area, internal Lake Shore Gold Corp. memo.

- Lucas, S.B., and St-Onge, M.R. Coordinators, 1998; Geology of Canada No. 7, Geology of the Precambrian Superior and Grenville Provinces and Precambrian Fossils in North America; Geological Survey of Canada, Geology of North America, Volume C-1.
- Macdonald, A. James, Editor, 1986: Proceedings Volume, Gold 86; an International Symposium of the Geology of Gold Deposits:
Burrows, D.R., and E.T.C. Spooner, McIntyre Cu-Au Deposit, Timmins, Ontario, Canada; p. 23-40.
- Mason, R., and Melnik, N., the Anatomy of an Archean Gold System – The McIntyre-Hollinger Complex at Timmins, Ontario, Canada; p. 40-56.
- Wood, P.C. et al., the Hollinger-McIntyre Au-Quartz Vein System, Timmins, Ontario, Canada; Geological Characteristics, Fluid Properties and Light Stable Isotope Geochemistry; p. 56-81.
- Melnik-Proud, Nadia, 1992; The Geology And Ore Controls In And Around The McIntyre Mine At Timmins, Ontario, Canada; A thesis submitted to the Department of Geological Sciences in conformity with the requirements for the degree of Doctor of Philosophy, Queen's University, Kingston, Ontario, Canada.
- Pyke, D.R., 1982; Geology of the Timmins Area, District of Cochrane, Report 219, Ontario Geological Survey.
- Poulsen, K.H., 1996; Geology of Canadian Mineral Deposit Types, Geology of Canada, No. 8., Geological Survey of Canada, Chapter 15, Lode Gold, p. 323 to 392.
- Pressacco, R., 1999; Special Project: Timmins Ore Deposit Descriptions, Ontario Geological Survey, Open File Report 5985.
- Rhys, D.A., 2003; Structural Mapping Study of the Surface Outcrops of the Holmer Gold Deposit, Timmins, Ontario, Internal Lake Shore Gold Corp. Report by Panterra Geoservices Inc, Surrey, British Columbia.
- Rhys, D., Lewis, P., 2004; Gold Vein Deposits: Turning Geology into Discovery, BC & Yukon Chamber of Mines, Cordilleran Exploration Round-Up, short course notes.
- Rocque, P., Mah, S., Hamilton, R., Wilson, G., Kilpatrick, R., 2006; Review of Porcupine Joint Venture Operation, Ontario, Canada, NI 43-101 Technical Report, prepared for Goldcorp Inc., prepared by AMEC Americas Limited.
- Rose, B, 1925; Murphy, Hoyle, and Matheson Townships (Porcupine Gold Area), Thirty-third Annual Report of the Ontario Department of Mines being Vol. XXXIII, Part III, 1924.

- Rose, B, 1925; Murphy, Hoyle, and Matheson Townships (Porcupine Gold Area), Thirty-third Annual Report of the Ontario Department of Mines being Vol. XXXIII, Part III, 1924. Map No. 33d.
- Ross, K.V., 2005; Petrographic study of Two Samples from the Bell Creek Deposit, Timmins, Ontario prepared for Placer Dome Limited, Porcupine Joint Venture.
- Thompson, P.H., 2002; Toward a New Metamorphic Framework for Gold Exploration in the Timmins Area, Central Abitibi Greenstone Belt, Ontario Geological survey Open File Report 6101.
- Titano, D., George, P.T., Brady, B.S., 1999; Feasibility Study of Development Alternatives, Vogel Gold Project, Timmins Ontario for Black Hawk Mining Inc., prepared by A.C.A. Howe International Limited, Toronto, Ontario, Canada.
- van Hees, E.H.P., 2000; Gold Deposition In The Western Abitibi Greenstone Belt And Its Relation To Regional Metamorphism; A dissertation submitted in partial fulfillment of requirements of the degree of Doctor of Philosophy (Geology) in The University of Michigan.
- Wilson, G.C., Rucklidge, J.C., 1986; Grant 262; Geoscience Research Grant Program, Summary of Research 1985-1986; Lithological Features and Economic Significance of Reduced Carbonaceous Rocks in Gold Deposits, Ontario Geological Survey, Miscellaneous Paper 130, p. 177-189.
- Wilson, G.C., Rucklidge, J.C., 1987; Grant 262; Geoscience Research Grant Program, Summary of Research 1986-1987; Geology, Geochemistry, and Economic Significance of Carbonaceous Host Rocks in Gold Deposits of The Timmins Area, Ontario Geological Survey, Miscellaneous Paper 136, p. 66-76.

Bell Creek Complex News Releases:

- 2005-03-07; Innes, D.G., Lake Shore Acquires The Vogel Gold Property and Continues to Increase Its Gold Assets In Timmins Gold Camp.
- 2005-12-01; Innes, D.G., Lake Shore Acquires the Schumacher Estate Property Adjacent to the Company's Vogel Property, Timmins, Ontario.
- 2005-12-05; Innes, D.G., Lake Shore Gold Intersects New High-Grade Gold Bearing Flat Veins, Vogel Gold Project, Ontario.
- 2006-02-07; Innes, D.G., Summary of Gold resources and an Exploration Update for Lake Shore's Timmins Area Properties.
- 2006-03-03; Innes, D.G., Seven Drills Operating In March, Lake Shore Gold Corp. Exploration Update.
- 2006-05-23; Innes, D.G., Lake Shore Initiates Permit Processing for Advanced Underground Exploration Programs at Timmins West, and Vogel-Schumacher Gold Projects, Timmins, Ontario.
- 2006-08-11; Booth, B.R., Lake Shore Gold Quarterly Project Update
- 2006-10-31; Booth, B.R., Lake Shore Reports Latest Results at Timmins West, Including Four Metres Grading 65.65 Grams Per Tonne, and Provides Update at Vogel/Schumacher.
- 2006-12-09; Booth, B.R., Lake Shore Third Quarter Project Update
- 2007-01-31; Booth, B.R., Lake Shore Gold Acquires The Bell Creek Mine and Mill in Timmins, Ontario From Goldcorp and Kinross.
- 2007-03-30; Booth, B.R. Lake Shore and Goldcorp Agree to Extension of Due Diligence on Bell Creek Acquisition.
- 2007-04-23; Booth, B.R., Lake Shore Completes Due Diligence on Bell Creek Acquisition.
- 2007-05-10; Booth, B.R., Lake Shore Gold First Quarter Project Update
- 2007-07-23; Booth, B.R., Lake Shore Signs Definitive Agreement for Acquisition of Bell Creek Assets.
- 2007-08-15; Booth, B.R., Lake Shore Gold Second Quarter Project Update.
- 2007-12-05; Booth, B.R., Lake Shore Schedules Completion of the Bell Creek Acquisition.
- 2007-12-18; Brown, B., Lake Shore Finalize Bell Creek Acquisition.
- 2008-05-15; Makuch, T., Lake Shore Gold Announce First Quarter Results

2008-07-09; Makuch, T., Lake Shore Gold Intersects New Gold Zone and Extends Mineralization at Bell Creek.

2008-08-12; Makuch, T., Lake Shore Gold on Track to Achieve 2008 Targets.

2008-11-10; Makuch, T., Lake Shore Gold Reports Timmins West On Schedule For Production In First Quarter 2009.

2008-12-10; Makuch, T., Lake Shore Gold Significantly Extends Bell Creek Mineralization.

2009-02-23; Makuch, T., Lake Shore Gold Provides Corporate Update.

2009-03-26; Makuch, T., Lake Shore Gold Commence Processing at Bell Creek Mill.

2009-04-28; Makuch, T., Lake Shore Gold Commences Advanced Underground Exploration at the Bell Creek Complex.

2009-05-01; Makuch, T., Lake Shore Gold Announce Details of First Quarter Conference Call and Annual Special meeting.

2009-05-04; Makuch, T., Lake Shore Gold Continues to Expand Mineralization at Bell Creek, Extends Vogel Mineralization at Depth.

2009-05-05; Makuch, T., Lake Shore Gold Continues to Advance Projected on Schedule and Budget and Achieve Exploration Success in First Quarter of 2009.

2009-07-07; Makuch, T., Lake Shore Gold Confirms Deep Extensions of Gold Mineralization at Bell Creek and Vogel.

2009-07-21; Makuch, T., Lake Shore Gold Discovers Substantial New High-Grade Extension at Bell Creek, Intercepts 12.63 GPT OVER 11.6 Metres.

2009-08-05; Makuch, T., Lake Shore Gold Advances Projects on Schedule and Budget and Achieves Exploration Success in Second Quarter and First Half of 2009.

Appendix 1

Diamond Drill Log Summaries

For the Vogel Portion of the Bell Creek Complex Project

2005 Vogel Diamond Drill Log Summaries

V-05- 1	V-05- 7	V-05- 13
V-05- 2	V-05- 8	V-05- 14
V-05- 3	V-05- 9	V-05- 15
V-05- 4	V-05- 10	V-05- 16
V-05- 5	V-05- 11	V-05- 17
V-05- 6	V-05- 12	V-05- 18

2006 Vogel Diamond Drill Log Summaries

H-06- 3	H-06- 7	H-06- 14
H-06- 4	H-06- 12	H-06- 15
H-06- 5	H-06- 13	H-06- 16
H-06- 6		

2007 Vogel Diamond Drill Log Summaries

H-07- 1	H-07- 3	H-07- 5
H-07- 2	H-07- 4	H-07- 6

2008 Vogel Diamond Drill Log Summaries

V-08- 1	V-08- 1B	V-08- 2
V-08- 1A	V-08- 1C	

2009 Vogel Diamond Drill Log Summaries

V-09- 1	V-09- 1A
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Diamond Drill Hole Number: V-05-01
East: 488374.96 **Azimuth:** 180
North: 5377622.01 **Dip:** -69
Elevation: 289.42 **UTM Coordinates:** NAD 83, Zone 17

Field Grid Coordinate:
East: 7200.40
North: 5211.40
Elevation: 2289.42

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	67.00	67.00	O/B	Casing/Overburden	No significant assay results were returned			
67.00	87.20	20.20	2	Mafic Metavolcanic Rock Unit				
87.20	104.60	17.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
104.60	131.00	26.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
131.00	157.50	26.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
157.50	188.00	30.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
188.00	207.50	19.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
207.50	219.40	11.90	2wa	Grey Zone 2 - Light Grey Zone				
219.40	221.90	2.50	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
221.90	263.50	41.60	6c	Metasedimentary Rock Unit - pelite, mudstone				
263.50	300.00	36.50	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
300.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-02

East: 488374.57
North: 5377590.52
Elevation: 289.27

Azimuth: 180
Dip: -63
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7200.04
North: 5179.90
Elevation: 2289.27

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	40.00	40.00	O/B	Casing/Overburden	No significant assay results were returned			
40.00	51.30	11.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
51.30	71.50	20.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
71.50	87.50	16.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
87.50	90.10	2.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
90.10	91.80	1.70	LC	Lost Core				
91.80	95.00	3.20	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
95.00	140.00	45.00	6c	Metasedimentary Rock Unit - pelite, mudstone				
140.00	188.70	48.70	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
188.70	197.80	9.10	6c	Metasedimentary Rock Unit - pelite, mudstone				
197.80	200.00	2.20	6c	Metasedimentary Rock Unit - pelite, mudstone				
200.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-03

East: 488103.99
North: 5377339.50
Elevation: 289.05

Azimuth: 360
Dip: -82
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.59
North: 4928.52
Elevation: 2289.05

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	40.00	40.00	O/B	Casing/Overburden	No significant assay results were returned			
40.00	50.00	10.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
50.00	62.00	12.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
62.00	92.00	30.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
92.00	104.20	12.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
104.20	126.50	22.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
126.50	128.55	2.05	1a	Ultramafic Metavolcanic Unit -massive flow				
128.55	141.50	12.95	1a	Ultramafic Metavolcanic Unit -massive flow				
141.50	150.00	8.50	1a	Ultramafic Metavolcanic Unit -massive flow				
150.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-04

East: 488104.02
North: 5377306.63
Elevation: 288.88

Azimuth: 360
Dip: -83
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.64
North: 4895.63
Elevation: 2288.88

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	25.30	3.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
25.30	42.40	17.10	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite				
42.40	49.40	7.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
49.40	52.70	3.30	2a	Mafic Metavolcanic Rock Unit - massive flow	51.75	52.65	0.90	9.42
52.70	59.40	6.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
59.40	80.00	20.60	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite	85.10	85.90	0.80	2.79
80.00	85.10	5.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
85.10	96.50	11.40	2a	Mafic Metavolcanic Rock Unit - massive flow	89.00	90.50	1.50	1.33
96.50	137.40	40.90	2a	Mafic Metavolcanic Rock Unit - massive flow	95.00	96.50	1.50	3.15
137.40	150.00	12.60	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite				
150.00		-150.00	EOH	End of Hole				

Diamond Drill Hole Number: V-05-05

East: 488103.98
North: 5377276.70
Elevation: 288.94

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.63
North: 4865.68
Elevation: 2288.94

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	24.50	2.50	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite				
24.50	27.50	3.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	26.50	27.50	1.00	1.45
27.50	58.80	31.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
58.80	64.70	5.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
64.70	89.80	25.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
89.80	99.05	9.25	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	89.80	90.30	0.50	98.08
99.05	105.10	6.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
105.10	112.80	7.70	2wa	Grey Zone 2 - Light Grey Zone	110.00	111.50	1.50	1.01
112.80	122.55	9.75	2we	Grey Zone 1 - Dark Grey Zone	118.80	122.55	3.75	1.20
122.55	127.10	4.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
127.10	130.60	3.50	2we	Grey Zone 1 - Dark Grey Zone	137.80	139.20	1.40	1.80
130.60	175.00	44.40	2a	Mafic Metavolcanic Rock Unit - massive flow	173.50	174.30	0.80	1.27
175.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-06

East: 488103.56
North: 5377248.53
Elevation: 288.80

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.23
North: 4837.50
Elevation: 2288.80

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	32.55	10.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
32.55	68.25	35.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
68.25	111.50	43.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow	68.25	74.90	6.65	1.67
111.50	111.60	0.10	FLT	Fault	includes			
111.60	115.80	4.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow	68.25	69.40	1.15	4.25
115.80	138.20	22.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
138.20	140.80	2.60	2wa	Grey Zone 2 - Light Grey Zone	87.70	87.92	0.22	208.85
140.80	147.40	6.60	2a	Mafic Metavolcanic Rock Unit - massive flow	117.05	118.00	0.95	4.26
147.40	148.90	1.50	FLT	Fault	131.25	131.95	0.70	2.06
148.90	175.00	26.10	2a	Mafic Metavolcanic Rock Unit - massive flow	152.90	153.30	0.40	1.43
175.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-07

East: 488103.86
North: 5377215.79
Elevation: 288.63

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.57
North: 4804.75
Elevation: 2288.63

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	33.70	8.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
33.70	47.00	13.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
47.00	53.80	6.80	2we	Grey Zone 1 - Dark Grey Zone	49.25	49.80	0.55	1.20
53.80	67.50	13.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
67.50	70.55	3.05	2we	Grey Zone 1 - Dark Grey Zone				
70.55	90.10	19.55	1a	Ultramafic Metavolcanic Unit -massive flow				
90.10	108.80	18.70	2we	Grey Zone 1 - Dark Grey Zone	95.15	96.85	1.70	1.73
108.80	119.00	10.20	2a	Mafic Metavolcanic Rock Unit - massive flow	104.20	105.50	1.30	1.28
119.00	158.30	39.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
158.30	162.50	4.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
162.50	175.00	12.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
175.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-08

East: 488103.99
North: 5377191.06
Elevation: 288.53

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6929.72
North: 4780.01
Elevation: 2288.53

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	36.20	14.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
36.20	46.30	10.10	FLT	Fault				
46.30	53.30	7.00	1a	Ultramafic Metavolcanic Unit -massive flow				
53.30	61.80	8.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
61.80	66.80	5.00	1a	Ultramafic Metavolcanic Unit -massive flow				
66.80	87.20	20.40	2wa	Grey Zone 2 - Light Grey Zone				
87.20	95.35	8.15	2a	Mafic Metavolcanic Rock Unit - massive flow				
95.35	102.50	7.15	2wa	Grey Zone 2 - Light Grey Zone	101.00	101.50	0.50	6.22
102.50	116.00	13.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
116.00	123.60	7.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
123.60	131.20	7.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
131.20	132.50	1.30	FLT	Fault				
132.50	147.40	14.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
147.40	175.00	27.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
175.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-09

East: 488128.30
North: 5377196.32
Elevation: 288.69

Azimuth: 360
Dip: -73
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6954.29
North: 4785.29
Elevation: 2288.69

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	33.80	11.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
33.80	48.70	14.90	1a	Ultramafic Metavolcanic Unit -massive flow				
48.70	50.50	1.80	FLT	Fault				
50.50	55.20	4.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
55.20	65.20	10.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
65.20	71.10	5.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
71.10	78.50	7.40	2wa	Grey Zone 2 - Light Grey Zone				
78.50	98.35	19.85	2a	Mafic Metavolcanic Rock Unit - massive flow	94.00	95.40	1.40	12.90
98.35	107.20	8.85	2we	Grey Zone 1 - Dark Grey Zone	104.65	105.30	0.65	1.23
107.20	116.00	8.80	1a	Ultramafic Metavolcanic Unit -massive flow	113.50	114.90	1.40	3.28
116.00	129.50	13.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
129.50	133.40	3.90	2we	Grey Zone 1 - Dark Grey Zone				
133.40	143.00	9.60	2	Mafic Metavolcanic Rock Unit				
143.00	168.50	25.50	2a	Mafic Metavolcanic Rock Unit - massive flow	178.95	180.80	1.85	72.68
168.50	179.00	10.50	2a	Mafic Metavolcanic Rock Unit - massive flow	180.02	180.80	0.78	168.79
179.00	189.20	10.20	2wa	Grey Zone 2 - Light Grey Zone				
189.20	190.00	0.80	2a	Mafic Metavolcanic Rock Unit - massive flow	183.20	184.48	1.28	1.00
190.00			EOH	End of Hole	185.00	188.13	3.13	2.78

Diamond Drill Hole Number: V-05-10

East: 488128.30
North: 5377231.29
Elevation: 288.66

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6954.00
North: 4820.28
Elevation: 2288.66

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	31.80	6.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
31.80	33.65	1.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
33.65	35.60	1.95	FLT	Fault				
35.60	42.00	6.40	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
42.00	79.10	37.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
79.10	82.00	2.90	2wa	Grey Zone 2 - Light Grey Zone				
82.00	106.00	24.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
106.00	115.15	9.15	2wa	Grey Zone 2 - Light Grey Zone				
115.15	160.30	45.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
160.30	185.40	25.10	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
185.40	207.50	22.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
207.50	211.80	4.30	2a	Mafic Metavolcanic Rock Unit - massive flow	207.50	210.50	3.00	2.64
211.80	221.85	10.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
221.85	226.10	4.25	2a	Mafic Metavolcanic Rock Unit - massive flow	224.00	225.50	1.50	1.58
226.10	250.50	24.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
250.50	250.85	0.35	15c	Quartz Vein				
250.85	278.10	27.25	2a	Mafic Metavolcanic Rock Unit - massive flow	269.00	270.00	1.00	3.42
278.10	300.00	21.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
300.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-11

East: 488129.04
North: 5377259.52
Elevation: 288.80

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6954.72
North: 4848.52
Elevation: 2288.80

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden					
25.00	71.75	46.75	2a	Mafic Metavolcanic Rock Unit - massive flow					
71.75	99.50	27.75	2a	Mafic Metavolcanic Rock Unit - massive flow					
99.50	122.00	22.50	1a	Ultramafic Metavolcanic Unit -massive flow		104.00	105.50	1.50	3.22
122.00	137.55	15.55	2a	Mafic Metavolcanic Rock Unit - massive flow					
137.55	148.40	10.85	2wa	Grey Zone 2 - Light Grey Zone		139.25	144.90	5.65	3.29
148.40	161.00	12.60	2a	Mafic Metavolcanic Rock Unit - massive flow	Includes	139.25	140.85	1.60	8.12
161.00	171.80	10.80	2wa	Grey Zone 2 - Light Grey Zone	And	143.45	144.90	1.45	3.16
171.80	172.15	0.35	FLT	Fault		164.60	170.00	5.40	2.51
172.15	183.30	11.15	2a	Mafic Metavolcanic Rock Unit - massive flow	Of Which	164.60	166.00	1.40	6.52
183.30	214.70	31.40	2a	Mafic Metavolcanic Rock Unit - massive flow	And	168.85	170.00	1.15	3.58
214.70	222.30	7.60	1a	Ultramafic Metavolcanic Unit -massive flow		175.90	177.30	1.40	1.15
222.30	229.50	7.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
229.50	250.00	20.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
250.00			EOH	End of Hole					

Diamond Drill Hole Number: V-05-12

East: 488382.37
North: 5377254.86
Elevation: 288.36

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7208.16
North: 4842.36
Elevation: 2288.36

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden					
25.00	64.50	39.50	2a	Mafic Metavolcanic Rock Unit - massive flow					
64.50	64.70	0.20	15c	Quartz Vein					
64.70	91.50	26.80	1a	Ultramafic Metavolcanic Unit -massive flow		68.00	71.50	3.50	2.30
91.50	92.00	0.50	FLT	Fault		87.15	113.75	26.60	2.96
92.00	96.70	4.70	2wa	Grey Zone 2 - Light Grey Zone	Includes	96.25	96.70	0.45	22.50
96.70	115.00	18.30	2a	Mafic Metavolcanic Rock Unit - massive flow	And	102.50	113.75	11.25	4.34
115.00	127.00	12.00	2a	Mafic Metavolcanic Rock Unit - massive flow	Which Includes	102.50	103.90	1.40	13.60
127.00	138.70	11.70	2wa	Grey Zone 2 - Light Grey Zone	And	108.00	113.75	5.75	3.95
138.70	146.10	7.40	1a	Ultramafic Metavolcanic Unit -massive flow					
146.10	174.20	28.10	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		133.45	134.25	0.80	1.59
174.20	200.00	25.80	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		137.60	138.70	1.10	4.45
200.00			EOH	End of Hole					

Diamond Drill Hole Number: V-05-13

East: 488382.22
North: 5377228.01
Elevation: 288.34

Azimuth: 360
Dip: -73
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7208.04
North: 4817.24
Elevation: 2288.34

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	O/B	Casing/Overburden					
28.00	37.80	9.80	FLT	Fault					
37.80	69.50	31.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
69.50	94.60	25.10	2a	Mafic Metavolcanic Rock Unit - massive flow					
94.60	105.50	10.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
105.50	125.75	20.25	2we	Grey Zone 1 - Dark Grey Zone		105.20	151.60	46.40	2.15
125.75	149.00	23.25	2a	Mafic Metavolcanic Rock Unit - massive flow	Of Which	110.70	112.10	1.40	3.16
149.00	156.30	7.30	2we	Grey Zone 1 - Dark Grey Zone	Includes	114.80	116.10	1.30	28.88
156.30	206.15	49.85	2a	Mafic Metavolcanic Rock Unit - massive flow	And	130.00	130.65	0.65	10.23
206.15	212.50	6.35	1a	Ultramafic Metavolcanic Unit -massive flow	And	138.25	139.20	0.95	3.06
212.50	239.00	26.50	1k	Ultramafic Metavolcanic Unit - komatiitic basalt	And	149.00	151.60	2.60	4.79
239.00			EOH	End of Hole		201.40	203.35	1.95	1.23

Diamond Drill Hole Number: V-05-14

East: 488405.75
North: 5377208.64
Elevation: 288.29

Azimuth: 360
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7231.59
North: 4797.88
Elevation: 2288.29

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	O/B	Casing/Overburden				
28.00	44.00	16.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
44.00	58.50	14.50	FLT	Fault				
58.50	80.00	21.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
80.00	97.80	17.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
97.80	98.50	0.70	FLT	Fault				
98.50	110.00	11.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
110.00	124.80	14.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
124.80	126.40	1.60	FLT	Fault				
126.40	172.80	46.40	2a	Mafic Metavolcanic Rock Unit - massive flow	136.20	137.55	1.35	1.65
172.80	227.50	54.70	2a	Mafic Metavolcanic Rock Unit - massive flow	141.75	143.10	1.35	2.03
227.50	260.75	33.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
260.75	271.70	10.95	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
271.70	302.00	30.30	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
302.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-15

East: 488405.90
North: 5377250.00
Elevation: 288.24

Azimuth: 360
Dip: -73
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7231.71
North: 4837.52
Elevation: 2288.24

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	O/B	Casing/Overburden					
34.00	60.20	26.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
60.20	69.60	9.40	2a	Mafic Metavolcanic Rock Unit - massive flow					
69.60	91.30	21.70	2a	Mafic Metavolcanic Rock Unit - massive flow	Includes	93.50	107.80	13.90	2.76
91.30	116.40	25.10	2wa	Grey Zone 2 - Light Grey Zone	And	93.50	94.00	0.50	9.64
116.40	130.40	14.00	2a	Mafic Metavolcanic Rock Unit - massive flow	Of Which	104.70	107.80	3.10	8.11
130.40	146.70	16.30	2wa	Grey Zone 2 - Light Grey Zone	Includes	106.30	107.80	1.50	13.30
146.70	163.70	17.00	2we	Grey Zone 1 - Dark Grey Zone		106.30	106.70	0.40	21.22
163.70	183.50	19.80	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		112.35	113.60	1.25	1.33
183.50	221.00	37.50	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		142.10	145.40	3.30	4.02
221.00			EOH	End of Hole		157.00	157.60	0.60	3.39

Diamond Drill Hole Number: V-05-16

East: 488128.25
North: 5377161.47
Elevation: 288.26

Azimuth: 360
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6954.02
North: 4750.43
Elevation: 2288.26

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	32.00	10.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
32.00	41.00	9.00	2wa	Grey Zone 2 - Light Grey Zone	36.70	38.00	1.30	5.55
41.00	57.50	16.50	2we	Grey Zone 1 - Dark Grey Zone	53.00	54.00	1.00	12.49
57.50	65.00	7.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
65.00	71.00	6.00	FLT	Fault				
71.00	79.50	8.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
79.50	125.50	46.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
125.50	137.60	12.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
137.60	144.50	6.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
144.50	147.50	3.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
147.50	161.50	14.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
161.50	186.50	25.00	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
186.50	196.90	10.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
196.90	206.20	9.30	2wa	Grey Zone 2 - Light Grey Zone				
206.20	221.40	15.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
221.40	236.50	15.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
236.50	245.00	8.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
245.00	255.50	10.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
255.50	266.00	10.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
266.00	274.30	8.30	2wa	Grey Zone 2 - Light Grey Zone				
274.30	290.50	16.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	281.40	282.40	1.00	1.03
290.50	297.13	6.63	2wa	Grey Zone 2 - Light Grey Zone				
297.13	299.55	2.42	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
299.55	307.70	8.15	2a	Mafic Metavolcanic Rock Unit - massive flow				
307.70	322.50	14.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
322.50	326.30	3.80	2we	Grey Zone 1 - Dark Grey Zone				
326.30	330.20	3.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
330.20	395.00	64.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
395.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-17

East: 488151.61
North: 5377177.47
Elevation: 288.38

Azimuth: 360
Dip: -50
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6977.37
North: 4766.45
Elevation: 2288.38

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	32.30	10.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
32.30	34.50	2.20	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
34.50	40.50	6.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
40.50	89.60	49.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
89.60	140.00	50.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
140.00	160.70	20.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
160.70	171.40	10.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
171.40	195.30	23.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	190.50	191.15	0.65	1.29
195.30	220.00	24.70	2a	Mafic Metavolcanic Rock Unit - massive flow	207.35	208.35	1.00	1.17
220.00	232.70	12.70	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia	214.00	216.30	2.30	3.82
232.70	242.00	9.30	1k	Ultramafic Metavolcanic Unit - komatiitic basalt	218.00	219.40	1.40	1.32
242.00			EOH	End of Hole				

Diamond Drill Hole Number: V-05-18

East: 488878.81
North: 5377180.43
Elevation: 286.44

Azimuth: 360
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7704.89
North: 4768.36
Elevation: 2286.44

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	32.00	32.00	O/B	Casing/Overburden					
32.00	44.00	12.00	FLT	Fault					
44.00	63.80	19.80	2a	Mafic Metavolcanic Rock Unit - massive flow					
63.80	73.70	9.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
73.70	77.10	3.40	2a	Mafic Metavolcanic Rock Unit - massive flow					
77.10	122.30	45.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
122.30	127.00	4.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
127.00	146.80	19.80	2we	Grey Zone 1 - Dark Grey Zone					
146.80	174.00	27.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
174.00	205.20	31.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
205.20	239.00	33.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
239.00	252.00	13.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
252.00	273.60	21.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
273.60	289.50	15.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
289.50	294.50	5.00	2we	Grey Zone 1 - Dark Grey Zone					
294.50	322.70	28.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
322.70	332.00	9.30	2wa	Grey Zone 2 - Light Grey Zone		329.00	331.00	2.00	2.73
332.00	380.15	48.15	2a	Mafic Metavolcanic Rock Unit - massive flow		414.50	415.20	0.70	2.36
380.15	393.00	12.85	2a	Mafic Metavolcanic Rock Unit - massive flow		428.00	437.00	9.00	1.86
393.00	405.85	12.85	2a	Mafic Metavolcanic Rock Unit - massive flow	Of Which	429.00	430.00	1.00	3.01
405.85	446.00	40.15	2a	Mafic Metavolcanic Rock Unit - massive flow	And	434.00	437.00	3.00	2.97
446.00	460.00	14.00	2wa	Grey Zone 2 - Light Grey Zone					
460.00	505.25	45.25	2a	Mafic Metavolcanic Rock Unit - massive flow		441.00	442.00	1.00	15.67
505.25	524.50	19.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow		446.00	447.00	1.00	3.57
524.50	623.80	99.30	2c	Mafic Metavolcanic Rock Unit - variolitic flow		452.00	453.00	1.00	3.02
623.80	636.40	12.60	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		459.00	460.00	1.00	1.61
636.40	637.00	0.60	6n	Metasedimentary Rock Unit - graphitic pelite, argillite		488.00	491.00	3.00	1.38
637.00			EOH	End of Hole					

Diamond Drill Hole Number: H-06-03

East: 488088.61
North: 5377174.31
Elevation: 288.53

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6914.35
North: 4763.23
Elevation: 2288.53

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	44.90	19.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
44.90	49.70	4.80	FLT	Fault				
49.70	56.50	6.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
56.50	64.80	8.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
64.80	72.10	7.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
72.10	82.20	10.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	81.50	81.80	0.30	1.40
82.20	109.10	26.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow	101.30	101.65	0.35	1.77
109.10	120.80	11.70	2we	Grey Zone 1 - Dark Grey Zone				
120.80	141.15	20.35	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
141.15	146.70	5.55	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
146.70	150.30	3.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
150.30	160.00	9.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
160.00	170.30	10.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow	160.20	161.00	0.80	1.10
170.30	184.50	14.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
184.50	206.50	22.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
206.50	213.50	7.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
213.50	221.30	7.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
221.30	230.90	9.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
230.90	256.10	25.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
256.10	261.20	5.10	2wa	Grey Zone 2 - Light Grey Zone				
261.20	274.40	13.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
274.40	294.00	19.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
294.00	302.00	8.00	2wa	Grey Zone 2 - Light Grey Zone				
302.00			EOH	End of Hole				

Diamond Drill Hole Number: H-06-04

East: 488088.36
North: 5377203.39
Elevation: 288.68

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6914.07
North: 4792.33
Elevation: 2288.68

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden					
25.00	50.00	25.00	2a	Mafic Metavolcanic Rock Unit - massive flow					
50.00	62.40	12.40	2wa	Grey Zone 2 - Light Grey Zone		55.00	56.05	1.05	186.27
62.40	78.90	16.50	2a	Mafic Metavolcanic Rock Unit - massive flow	Of Which	55.00	55.40	0.40	487.17
78.90	108.40	29.50	2wa	Grey Zone 2 - Light Grey Zone					
108.40	116.10	7.70	2c	Mafic Metavolcanic Rock Unit - variolitic flow		57.50	58.34	0.84	1.51
116.10	121.35	5.25	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia		80.50	81.50	1.00	1.06
121.35	142.50	21.15	2a	Mafic Metavolcanic Rock Unit - massive flow					
142.50	156.08	13.58	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia					
156.08	169.66	13.58	2a	Mafic Metavolcanic Rock Unit - massive flow					
169.66	184.06	14.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
184.06	193.55	9.49	2wa	Grey Zone 2 - Light Grey Zone		186.94	190.00	3.06	1.79
193.55	199.99	6.44	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow		191.00	192.00	1.00	1.47
199.99			EOH	End of Hole					

Diamond Drill Hole Number: H-06-05

East: 488088.44
North: 5377230.47
Elevation: 288.86

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6914.13
North: 4819.42
Elevation: 2288.86

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden					
25.00	26.80	1.80	FLT	Fault					
26.80	38.52	11.72	2a	Mafic Metavolcanic Rock Unit - massive flow					
38.52	65.10	26.58	2a	Mafic Metavolcanic Rock Unit - massive flow					
65.10	68.50	3.40	2wa	Grey Zone 2 - Light Grey Zone					
68.50	131.15	62.65	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow		81.50	90.00	8.50	2.05
131.15	140.95	9.80	HSTSHR	High Strain/Shear Zone	Includes	81.50	82.00	0.50	6.72
140.95	141.28	0.33	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	And	84.00	84.50	0.50	10.83
141.28	231.80	90.52	2a	Mafic Metavolcanic Rock Unit - massive flow	And	87.00	88.00	1.00	4.81
231.80	238.20	6.40	2wa	Grey Zone 2 - Light Grey Zone					
238.20	251.00	12.80	2a	Mafic Metavolcanic Rock Unit - massive flow		96.00	102.95	6.95	1.16
251.00			EOH	End of Hole	Includes	100.98	101.61	0.63	3.15
						102.45	102.95	0.50	1.58

Diamond Drill Hole Number: H-06-06

East: 488088.64
North: 5377258.90
Elevation: 288.93

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6914.30
North: 4847.87
Elevation: 2288.93

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	21.00	21.00	O/B	Casing/Overburden					
21.00	23.00	2.00	FLT	Fault					
23.00	51.75	28.75	2a	Mafic Metavolcanic Rock Unit - massive flow					
51.75	110.34	58.59	2a	Mafic Metavolcanic Rock Unit - massive flow		74.00	76.00	2.00	28.36
110.34	119.95	9.61	2wa	Grey Zone 2 - Light Grey Zone	Includes	75.00	76.00	1.00	36.01
119.95	128.09	8.14	2a	Mafic Metavolcanic Rock Unit - massive flow		88.00	89.50	1.50	5.73
128.09	134.32	6.23	2wa	Grey Zone 2 - Light Grey Zone		110.50	111.20	0.70	1.25
134.32	160.28	25.96	2a	Mafic Metavolcanic Rock Unit - massive flow		129.30	130.30	1.00	2.55
160.28	166.99	6.71	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
166.99			EOH	End of Hole					

Diamond Drill Hole Number: H-06-07

East: 488088.62
North: 5377283.31
Elevation: 288.83

Azimuth: 360
Dip: -75
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6914.25
North: 4872.29
Elevation: 2288.83

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	19.00	19.00	O/B	Casing/Overburden					
19.00	21.76	2.76	2a	Mafic Metavolcanic Rock Unit - massive flow					
21.76	30.60	8.84	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow					
30.60	85.37	54.77	2a	Mafic Metavolcanic Rock Unit - massive flow		50.50	53.50	3.00	2.11
85.37	136.54	51.17	2a	Mafic Metavolcanic Rock Unit - massive flow		58.90	60.00	1.10	3.47
136.54	151.43	14.89	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Includes	58.90	59.40	0.50	5.65
151.43	176.00	24.57	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		97.50	98.50	1.00	5.03
176.00	224.00	48.00	1a	Ultramafic Metavolcanic Unit -massive flow	Includes	98.00	98.50	0.50	6.75
224.00	232.30	8.30	6n	Metasedimentary Rock Unit - graphitic pelite, argillite					
232.30	244.99	12.69	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)		99.50	100.50	1.00	1.17
244.99			EOH	End of Hole		109.00	109.50	0.50	1.63
						112.14	113.15	1.01	2.48
						120.50	121.00	0.50	1.25
						130.50	131.00	0.50	2.68
						230.65	231.20	0.55	1.15

Diamond Drill Hole Number: H-06-12

East: 488234.02
North: 5376988.74
Elevation: 287.24

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7060.00
North: 4577.72
Elevation: 2287.24

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	O/B	Casing/Overburden				
28.00	320.00	292.00	6f	Metasedimentary Rock Unit - lithic greywacke				
320.00	381.10	61.10	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
381.10	442.20	61.10	6f	Metasedimentary Rock Unit - lithic greywacke				
442.20	491.80	49.60	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
491.80	531.30	39.50	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
531.30	550.70	19.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
550.70	581.40	30.70	2wa	Grey Zone 2 - Light Grey Zone	564.00	565.00	1.00	2.35
581.40	597.50	16.10	2a	Mafic Metavolcanic Rock Unit - massive flow	591.70	592.15	0.45	1.16
597.50	600.00	2.50	2wa	Grey Zone 2 - Light Grey Zone	598.50	599.00	0.50	1.82
600.00	606.00	6.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
606.00	623.50	17.50	2wa	Grey Zone 2 - Light Grey Zone				
623.50	632.80	9.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
632.80	647.40	14.60	2wa	Grey Zone 2 - Light Grey Zone				
647.40	662.00	14.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
662.00	671.11	9.11	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
671.11	675.15	4.04	2wa	Grey Zone 2 - Light Grey Zone				
675.15	689.35	14.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
689.35	700.30	10.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
700.30	718.85	18.55	2a	Mafic Metavolcanic Rock Unit - massive flow	710.70	711.00	0.30	1.89
718.85	730.25	11.40	2wa	Grey Zone 2 - Light Grey Zone	718.70	720.30	1.60	3.51
730.25	741.65	11.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow	719.70	720.30	0.60	7.03
741.65	766.90	25.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
766.90	792.15	25.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
792.15	870.00	77.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
870.00	903.00	33.00	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
903.00	937.67	34.67	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
937.67	976.00	38.33	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
976.00	1013.88	37.88	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1013.88	1071.00	57.12	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
1071.00	1242.00	171.00	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
1242.00	1265.97	23.97	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
1265.97	1300.99	35.02	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1300.99			EOH	End of Hole				

Includes

Diamond Drill Hole Number: H-06-13

East: 488330.18

North: 5377214.59

Elevation: 288.52

Azimuth: 360

Dip: -48

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7155.99

North: 4803.76

Elevation: 2288.52

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	46.00	46.00	O/B	Casing/Overburden					
46.00	53.00	7.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow		85.00	92.00	7.00	1.52
53.00	103.50	50.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Includes	85.00	86.00	1.00	3.57
103.50	122.00	18.50	2a	Mafic Metavolcanic Rock Unit - massive flow		90.00	92.00	2.00	3.57
122.00	126.90	4.90	2we	Grey Zone 1 - Dark Grey Zone		95.90	96.60	0.70	16.09
126.90	130.99	4.09	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic					
130.99			EOH	End of Hole					

Diamond Drill Hole Number: H-06-14

East: 488330.18
North: 5377215.39
Elevation: 288.52

Azimuth: 360
Dip: -67
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7155.99
North: 4804.56
Elevation: 2288.52

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	43.00	43.00	O/B	Casing/Overburden				
43.00	53.00	10.00	FLT	Fault				
53.00	59.80	6.80	FLT	Fault				
59.80	62.00	2.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
62.00	65.00	3.00	FLT	Fault				
65.00	71.10	6.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
71.10	76.50	5.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
76.50	77.70	1.20	FLT	Fault				
77.70	83.85	6.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
83.85	114.10	30.25	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
114.10	162.05	47.95	2a	Mafic Metavolcanic Rock Unit - massive flow	111.75	112.15	0.40	1.24
162.05	170.80	8.75	2a	Mafic Metavolcanic Rock Unit - massive flow	167.00	7.00	7.00	1.86
170.80	176.75	5.95	2a	Mafic Metavolcanic Rock Unit - massive flow	173.00	174.00	1.00	5.96
176.75	182.30	5.55	15c	Quartz Vein				
182.30	208.70	26.40	2a	Mafic Metavolcanic Rock Unit - massive flow	177.90	179.60	1.70	6.12
208.70	251.00	42.30	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic	186.70	191.00	4.30	4.30
251.00			EOH	End of Hole				

Includes

Diamond Drill Hole Number: H-06-15

East: 488355.60
North: 5377215.19
Elevation: 288.52

Azimuth: 360
Dip: -66
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7181.42
North: 4804.39
Elevation: 2288.52

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	O/B	Casing/Overburden				
31.00	41.00	10.00	FLT	Fault				
41.00	43.00	2.00	FLT	Fault				
43.00	51.20	8.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
51.20	61.50	10.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
61.50	70.60	9.10	2wa	Grey Zone 2 - Light Grey Zone				
70.60	106.80	36.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
106.80	117.40	10.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
117.40	123.80	6.40	2wa	Grey Zone 2 - Light Grey Zone	114.00	117.00	3.00	1.61
123.80	140.40	16.60	2a	Mafic Metavolcanic Rock Unit - massive flow	123.00	124.00	1.00	3.26
140.40	147.50	7.10	2a	Mafic Metavolcanic Rock Unit - massive flow	135.00	136.00	1.00	1.06
147.50	155.00	7.50	2wa	Grey Zone 2 - Light Grey Zone	137.00	138.00	1.00	1.40
155.00	186.40	31.40	2a	Mafic Metavolcanic Rock Unit - massive flow	148.00	149.00	1.00	3.70
186.40	188.55	2.15	15f	Quartz-carbonate Vein				
188.55	197.80	9.25	2wa	Grey Zone 2 - Light Grey Zone	188.80	189.50	0.70	1.77
197.80	207.00	9.20	2a	Mafic Metavolcanic Rock Unit - massive flow	193.20	194.00	0.80	1.61
207.00	230.00	23.00	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic	194.70	196.10	1.40	2.79
230.00			EOH	End of Hole				

Diamond Drill Hole Number: H-06-16

East: 488405.27
North: 5377275.62
Elevation: 288.31

Azimuth: 360
Dip: -80
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7231.06
North: 4863.14
Elevation: 2288.31

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	O/B	Casing/Overburden				
34.00	56.40	22.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
56.40	65.00	8.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
65.00	75.40	10.40	2a	Mafic Metavolcanic Rock Unit - massive flow	67.50	68.00	0.50	3.13
75.40	78.40	3.00	2wa	Grey Zone 2 - Light Grey Zone	71.00	71.90	0.90	2.67
78.40	81.50	3.10	2a	Mafic Metavolcanic Rock Unit - massive flow	73.15	74.00	0.85	1.81
81.50	84.20	2.70	2wa	Grey Zone 2 - Light Grey Zone	75.40	76.55	1.15	18.84
84.20	112.20	28.00	2a	Mafic Metavolcanic Rock Unit - massive flow	81.50	83.00	1.50	1.04
112.20	121.90	9.70	1k	Ultramafic Metavolcanic Unit - komatiitic basalt	91.00	92.00	1.00	4.73
121.90	140.00	18.10	1a	Ultramafic Metavolcanic Unit -massive flow	97.00	98.00	1.00	2.15
140.00			EOH	End of Hole	100.00	101.00	1.00	1.96

Diamond Drill Hole Number: H-07-01

East: 488431.87

North: 5377256.91

Elevation: 288.19

Azimuth: 360

Dip: -66

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7257.69

North: 4844.45

Elevation: 2288.19

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	O/B	Casing/Overburden		74.00	75.00	1.00	1.05
31.00	37.10	6.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow		84.00	86.00	2.00	106.90
37.10	38.60	1.50	FLT	Fault	Includes	85.00	86.00	1.00	207.84
38.60	56.00	17.40	2a	Mafic Metavolcanic Rock Unit - massive flow		96.00	97.00	1.00	11.74
56.00	103.00	47.00	2a	Mafic Metavolcanic Rock Unit - massive flow					
103.00	108.50	5.50	2we	Grey Zone 1 - Dark Grey Zone		101.00	107.00	6.00	2.60
108.50	152.00	43.50	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic	Includes	104.00	106.00	2.00	4.66
152.00			EOH	End of Hole					

Diamond Drill Hole Number: H-07-02

East: 488457.21
North: 5377264.60
Elevation: 288.01

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7283.03
North: 4852.17
Elevation: 2288.01

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	30.70	5.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
30.70	126.00	95.30	2a	Mafic Metavolcanic Rock Unit - massive flow	95.00	97.00	2.00	3.71
126.00	140.00	14.00	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic				
140.00			EOH	End of Hole				

Diamond Drill Hole Number: H-07-03

East: 488481.02
North: 5377266.42
Elevation: 287.99

Azimuth: 360
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7306.85
North: 4854.01
Elevation: 2287.99

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	38.80	13.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
38.80	44.30	5.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
44.30	59.40	15.10	2we	Grey Zone 1 - Dark Grey Zone	58.00	59.00	1.00	3.64
59.40	73.20	13.80	2a	Mafic Metavolcanic Rock Unit - massive flow	68.00	70.00	2.00	3.70
73.20	126.00	52.80	2a	Mafic Metavolcanic Rock Unit - massive flow	113.00	114.00	1.00	1.76
126.00	150.00	24.00	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic				
150.00			EOH	End of Hole				

Diamond Drill Hole Number: H-07-04

East: 488506.07

North: 5377267.35

Elevation: 288.03

Azimuth: 360

Dip: -59

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7331.92

North: 4854.97

Elevation: 2288.03

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.50	34.50	O/B	Casing/Overburden					
34.50	39.00	4.50	2a	Mafic Metavolcanic Rock Unit - massive flow					
39.00	45.70	6.70	2wa	Grey Zone 2 - Light Grey Zone					
45.70	78.35	32.65	2a	Mafic Metavolcanic Rock Unit - massive flow		47.00	48.00	1.00	1.11
78.35	83.94	5.59	1k	Ultramafic Metavolcanic Unit - komatiitic basalt		60.00	72.00	12.00	1.51
83.94	107.90	23.96	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic	Includes	63.00	64.00	1.00	4.63
107.90	140.00	32.10	FLT	Fault		75.00	76.00	1.00	1.71
140.00			EOH	End of Hole		77.00	79.00	2.00	1.06

Diamond Drill Hole Number: H-07-05

East: 488530.34
North: 5377267.86
Elevation: 287.71

Azimuth: 360
Dip: -60
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7356.19
North: 4855.50
Elevation: 2287.71

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	43.00	43.00	O/B	Casing/Overburden				
43.00	48.50	5.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
48.50	51.20	2.70	2wa	Grey Zone 2 - Light Grey Zone				
51.20	82.10	30.90	2a	Mafic Metavolcanic Rock Unit - massive flow	50.00	51.20	1.20	4.55
82.10	87.20	5.10	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic	74.00	75.00	1.00	1.24
87.20	140.00	52.80	FLT	Fault				
140.00			EOH	End of Hole				

Diamond Drill Hole Number: H-07-06

East: 488,556.80
North: 5,377,268.06
Elevation: 287.63

Azimuth: 360
Dip: -64
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7,382.66
North: 4,855.73
Elevation: 2,287.63

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	43.00	43.00	O/B	Casing/Overburden				
43.00	50.50	7.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
50.50	90.05	39.55	2a	Mafic Metavolcanic Rock Unit - massive flow	65.00	66.00	1.00	1.30
90.05	95.40	5.35	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
95.40	123.50	28.10	1kv	Ultramafic Metavolcanic Unit - komatiitic basalt variolitic				
123.50	150.00	26.50	FLT	Fault				
150.00			EOH	End of Hole				

Diamond Drill Hole Number: V-08-01

East: 488,451.08
North: 5,376,943.66
Elevation: 287.30

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7276.84
North: 4532.82
Elevation: 2287.30

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	52.00	52.00	O/B	Casing/Overburden				
52.00	261.20	209.20	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
261.20	279.30	18.10	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
279.30	289.70	10.40	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
289.70	295.50	5.80	15c	Quartz Vein				
295.50	621.30	325.80	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
621.30	649.20	27.90	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
649.20	669.90	20.70	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
669.90	717.70	47.80	2	Mafic Metavolcanic Rock Unit				
717.70	723.50	5.80	15c	Quartz Vein	723.65	724.75	1.10	1.37
723.50	731.25	7.75	2we	Grey Zone 1 - Dark Grey Zone	740.25	741.25	1.00	1.22
731.25	744.90	13.65	2we	Grey Zone 1 - Dark Grey Zone	742.25	744.20	1.95	1.76
744.90	780.30	35.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
780.30	826.95	46.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
826.95	848.50	21.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
848.50	878.30	29.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
878.30	898.85	20.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
898.85	1017.95	119.10	2a	Mafic Metavolcanic Rock Unit - massive flow	981.35	982.95	1.60	5.06
1017.95	1027.95	10.00	1	Ultramafic Metavolcanic Unit				
1027.95	1104.40	76.45	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
1104.40	1153.75	49.35	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
1153.75	1161.10	7.35	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
1161.10	1166.50	5.40	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
1166.50			EOH	End of Hole				

Diamond Drill Hole Number: V-08-01A

East: 488,451.08
North: 5,376,943.66
Elevation: 287.30

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7276.84
North: 4532.82
Elevation: 2287.30

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
611.00	653.00	42.00	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
653.00	654.80	1.80	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
654.80	656.00	1.20	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
656.00			EOH	End of Hole				

Diamond Drill Hole Number: V-08-01B

East: 488,451.08
North: 5,376,943.66
Elevation: 287.30

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7276.84
North: 4532.82
Elevation: 2287.30

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
590.00	648.00	58.00	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
648.00	656.00	8.00	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
656.00	670.00	14.00	FLTZN	Fault				
670.00			EOH	End of Hole				

Diamond Drill Hole Number: V-08-01C

East: 488,451.08
North: 5,376,943.66
Elevation: 287.30

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7276.84
North: 4532.82
Elevation: 2287.30

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
567.75	646.90	79.15	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
646.90	656.75	9.85	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
565.75	677.20	111.45	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
677.20	715.65	38.45	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
715.65	720.50	4.85	2we	Grey Zone 1 - Dark Grey Zone				
720.50	734.15	13.65	15c	Quartz Vein	724.20	725.70	1.50	1.66
734.15	738.75	4.60	2we	Grey Zone 1 - Dark Grey Zone				
738.75	773.90	35.15	2w	Mafic Metavolcanic Rock Unit - altered				
773.90	804.30	30.40	2w	Mafic Metavolcanic Rock Unit - altered				
804.30	868.50	64.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
868.50	870.15	1.65	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
870.15	878.10	7.95	2a	Mafic Metavolcanic Rock Unit - massive flow				
878.10	970.20	92.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
970.20	975.00	4.80	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
975.00	1022.10	47.10	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
1022.10	1025.85	3.75	1	Ultramafic Metavolcanic Unit				
1025.85	1041.15	15.30	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
1041.15	1144.15	103.00	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
1144.15	1166.70	22.55	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
1166.70	1214.80	48.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
1214.80	1228.85	14.05	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
1228.85	1232.60	3.75	2we	Grey Zone 1 - Dark Grey Zone				
1232.60	1251.15	18.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
1251.15	1294.35	43.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1294.35	1326.60	32.25	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
1326.60	1354.99	28.39	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1354.99			EOH	End of Hole				

Diamond Drill Hole Number: V-08-02

East: 488,709.89
North: 5,376,947.28
Elevation: 286.12

Azimuth: 002
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7535.75
North: 4536.69
Elevation: 2286.12

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	38.00	38.00	O/B	Casing/Overburden				
38.00	179.00	141.00	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
179.00	312.05	133.05	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
312.05	327.10	15.05	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
327.10	475.45	148.35	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
475.45	525.30	49.85	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
525.30	712.20	186.90	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
712.20	733.75	21.55	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
733.75	768.20	34.45	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
768.20	168.80	-599.40	15c	Quartz Vein				
168.80	781.45	612.65	2w	Mafic Metavolcanic Rock Unit - altered				
781.45	782.05	0.60	15c	Quartz Vein				
782.05	786.00	3.95	2w	Mafic Metavolcanic Rock Unit - altered				
786.00	799.55	13.55	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia	789.90	790.40	0.50	1.58
799.55	825.90	26.35	2a	Mafic Metavolcanic Rock Unit - massive flow				
825.90	859.35	33.45	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
859.35	874.95	15.60	2wa	Grey Zone 2 - Light Grey Zone				
874.95	875.60	0.65	15c	Quartz Vein				
875.60	885.45	9.85	2w	Mafic Metavolcanic Rock Unit - altered				
885.45	888.50	3.05	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
888.50	907.30	18.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
907.30	933.35	26.05	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
933.35	1059.80	126.45	2a	Mafic Metavolcanic Rock Unit - massive flow				
1059.80	1160.90	101.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1160.90	1188.85	27.95	2a	Mafic Metavolcanic Rock Unit - massive flow				
1188.85	1199.00	10.15	1	Ultramafic Metavolcanic Unit				
1199.00	1202.05	3.05	6	Metasedimentary Rock Unit				
1202.05	1240.00	37.95	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
1240.00			EOH	End of Hole				

Diamond Drill Hole Number: V-09-01

East: UTM
North: Coordinates
Elevation: are not available

Azimuth: 4
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7165.00
North: 4537.00
Elevation: 2280.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	49.00	49.00	O/B	Casing/Overburden				
49.00	242.00	193.00	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
242.00	255.10	13.10	HSTSHR	High Strain Shear Zone				
255.10	433.15	178.05	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
433.15	455.85	22.70	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
455.85	507.60	51.75	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
507.60	515.05	7.45	FLTZN	Fault				
515.05	520.80	5.75	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
520.80	525.05	4.25	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
525.05	526.99	1.94	2a	Mafic Metavolcanic Rock Unit - massive flow				
526.99			EOH	End of Hole				

Diamond Drill Hole Number: V-09-01A

East: UTM
North: Coordinates
Elevation: are not available

Azimuth: 4
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 7165.00
North: 4537.00
Elevation: 2280.00

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
359.00	434.50	75.50	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)					
434.50	473.70	39.20	6n	Metasedimentary Rock Unit - graphitic pelite, argillite					
473.70	535.15	61.45	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)					
535.15	546.45	11.30	6n	Metasedimentary Rock Unit - graphitic pelite, argillite					
546.45	557.90	11.45	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia					
557.90	569.80	11.90	2c	Mafic Metavolcanic Rock Unit - variolitic flow					
569.80	597.85	28.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
597.85	635.50	37.65	2w	Mafic Metavolcanic Rock Unit - altered					
635.50	647.35	11.85	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia		641.15	644.15	3.00	8.97
647.35	657.10	9.75	2we	Grey Zone 1 - Dark Grey Zone	Includes	643.15	644.15	1.00	22.50
657.10	666.50	9.40	2wa	Grey Zone 2 - Light Grey Zone		660.25	663.25	3.00	1.67
666.50	676.10	9.60	2we	Grey Zone 1 - Dark Grey Zone		667.50	671.75	4.25	4.62
676.10	682.40	6.30	15f	Quartz-carbonate Vein	Includes	667.50	668.50	1.00	5.25
682.40	726.50	44.10	2a	Mafic Metavolcanic Rock Unit - massive flow		672.25	672.85	0.60	1.20
726.50	730.20	3.70	15f	Quartz-carbonate Vein		674.20	674.70	0.50	1.01
730.20	741.30	11.10	2we	Grey Zone 1 - Dark Grey Zone		676.10	678.90	2.80	3.82
741.30	765.75	24.45	2w	Mafic Metavolcanic Rock Unit - altered	Includes	678.40	678.90	0.50	16.75
765.75	857.65	91.90	2a	Mafic Metavolcanic Rock Unit - massive flow		727.55	731.70	4.15	4.78
857.65	891.10	33.45	2c	Mafic Metavolcanic Rock Unit - variolitic flow	Includes	727.55	728.05	0.50	12.05
891.10	901.60	10.50	1k	Ultramafic Metavolcanic Unit - komatiitic basalt	And	729.75	731.70	1.95	7.06
901.60	923.25	21.65	6	Metasedimentary Rock Unit	Which Includes	730.20	731.70	1.50	8.07
923.25	957.50	34.25	1k	Ultramafic Metavolcanic Unit - komatiitic basalt	And	730.20	730.70	0.50	10.95
957.50	958.75	1.25	FLTZN	Fault		735.50	736.50	1.00	1.84
958.75	1006.99	48.24	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)		739.40	740.40	1.00	1.12
1006.99			EOH	End of Hole					

Appendix 2

Diamond Drill Log Summaries

For the Schumacher Portion of the Bell Creek Complex Project

2006 Schumacher Diamond Drill Log Summaries

H-06- 1	H-06- 10
H-06- 2	H-06- 11
H-06- 8	H-06- 13
H-06- 9	

2006 Schumacher Geotechnical Diamond Drill Log Summaries

GT 1	GT 7	GT 13
GT 2	GT 8	GT 14
GT 3	GT 9	GT 15
GT 4	GT 10	GT 16
GT 5	GT 11	
GT 6	GT 12	

2008 Schumacher Diamond Drill Log Summaries

S-08- 1	S-08- 3	S-08- 5
S-08- 2	S-08- 4	

Diamond Drill Hole Number: H-06-01

East: 488,060.11
North: 5,376,999.77
Elevation: 287.99

Azimuth: 360
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,886.01
North: 4,588.59
Elevation: 2,287.99

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	O/B	Casing/Overburden				
31.00	103.10	72.10	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)	No significant assay results were returned			
103.10	110.00	6.90	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
110.00	254.30	144.30	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
254.30	274.30	20.00	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
274.30	312.70	38.40	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
312.70	327.35	14.65	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
327.35	339.35	12.00	2wa	Grey Zone 2 - Light Grey Zone				
339.35	351.35	12.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
351.35	364.70	13.35	2wa	Grey Zone 2 - Light Grey Zone				
364.70	380.20	15.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
380.20	388.50	8.30	2wa	Grey Zone 2 - Light Grey Zone				
388.50	392.15	3.65	2we	Grey Zone 1 - Dark Grey Zone				
392.15	396.70	4.55	2wa	Grey Zone 2 - Light Grey Zone				
396.70	405.60	8.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
405.60	407.10	1.50	FLT	Fault				
407.10	409.60	2.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
409.60	419.00	9.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
419.00	423.80	4.80	2we	Grey Zone 1 - Dark Grey Zone				
423.80	443.05	19.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
443.05	454.50	11.45	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
454.50	469.70	15.20	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
469.70	484.90	15.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
484.90	490.60	5.70	2wa	Grey Zone 2 - Light Grey Zone				
490.60	503.60	13.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
503.60	504.65	1.05	15c	Quartz Vein				
504.65	507.37	2.72	2a	Mafic Metavolcanic Rock Unit - massive flow				
507.37	508.65	1.28	15c	Quartz Vein				
508.65	571.70	63.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
571.70	575.80	4.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
575.80	579.05	3.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
579.05	584.00	4.95	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
584.00	588.60	4.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
588.60	598.50	9.90	2we	Grey Zone 1 - Dark Grey Zone				
598.50	604.70	6.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
604.70	610.90	6.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
610.90	616.00	5.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
616.00	645.00	29.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				

Diamond Drill Hole Number: H-06-01

East: 488,060.11
North: 5,376,999.77
Elevation: 287.99

Azimuth: 360
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,886.01
North: 4,588.59
Elevation: 2,287.99

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
645.00	756.70	111.70	2c	Mafic Metavolcanic Rock Unit - variolitic flow	No significant assay results were returned			
756.70	772.90	16.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
772.90	791.90	19.00	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
791.90	830.50	38.60	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
830.50	853.25	22.75	1a	Ultramafic Metavolcanic Unit -massive flow				
853.25	875.30	22.05	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
875.30	1056.30	181.00	1a	Ultramafic Metavolcanic Unit -massive flow				
1056.30	1064.23	7.93	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
1064.23	1094.06	29.83	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
1094.06	1230.14	136.08	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
1230.14	1243.00	12.86	2wa	Grey Zone 2 - Light Grey Zone				
1243.00	1253.00	10.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1253.00			EOH	End of Hole				

Diamond Drill Hole Number: H-06-02

East: 487,667.43
North: 5,377,083.62
Elevation: 289.43

Azimuth: 360
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,493.07
North: 4,672.11
Elevation: 2,289.43

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	55.00	55.00	O/B	Casing/Overburden	No significant assay results were returned			
55.00	180.80	125.80	6f	Metasedimentary Rock Unit - lithic greywacke				
180.80	280.80	100.00	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
280.80	340.30	59.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
340.30	374.00	33.70	2wa	Grey Zone 2 - Light Grey Zone				
374.00	390.90	16.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
390.90	422.05	31.15	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
422.05	450.10	28.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
450.10	528.55	78.45	2wa	Grey Zone 2 - Light Grey Zone				
528.55	564.40	35.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
564.40	568.50	4.10	2wa	Grey Zone 2 - Light Grey Zone				
568.50	578.97	10.47	2a	Mafic Metavolcanic Rock Unit - massive flow				
578.97	592.44	13.47	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
592.44	656.63	64.19	2wa	Grey Zone 2 - Light Grey Zone				
656.63	680.34	23.71	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
680.34	682.50	2.16	2wa	Grey Zone 2 - Light Grey Zone				
682.50	788.98	106.48	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
788.98	796.33	7.35	2wa	Grey Zone 2 - Light Grey Zone				
796.33	818.95	22.62	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
818.95	923.75	104.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
923.75	936.30	12.55	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
936.30	970.35	34.05	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
970.35	974.84	4.49	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
974.84	989.85	15.01	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
989.85	992.20	2.35	FLT	Fault				
992.20	997.60	5.40	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
997.60	1000.60	3.00	2wa	Grey Zone 2 - Light Grey Zone				
1000.60	1016.90	16.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
1016.90	1032.30	15.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
1032.30	1032.70	0.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
1032.70	1040.00	7.30	2wa	Grey Zone 2 - Light Grey Zone				
1040.00	1043.75	3.75	2we	Grey Zone 1 - Dark Grey Zone				
1043.75	1045.50	1.75	FLT	Fault				
1045.50	1049.00	3.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
1049.00	1055.10	6.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
1055.10	1063.20	8.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
1063.20	1079.00	15.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1079.00			EOH	End of Hole				

Diamond Drill Hole Number: H-06-08

East: 488,068.32
North: 5,377,188.87
Elevation: 288.60

Azimuth: 360
Dip: -68
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,894.04
North: 4,777.78
Elevation: 2,288.60

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	44.90	19.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow	41.52	41.88	0.36	2.68
44.90	49.70	4.80	FLT	Fault				
49.70	56.50	6.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
56.50	64.80	8.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
64.80	72.10	7.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
72.10	82.20	10.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
82.20	109.10	26.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow	95.80	96.55	0.75	6.04
109.10	120.80	11.70	2we	Grey Zone 1 - Dark Grey Zone	98.00	101.00	3.00	1.10
120.80	141.15	20.35	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
141.15	146.70	5.55	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
146.70	150.30	3.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
150.30	160.00	9.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
160.00	170.30	10.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
170.30	184.50	14.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
184.50	206.50	22.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
206.50	213.50	7.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
213.50	221.30	7.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
221.30	230.90	9.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
230.90	256.10	25.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
256.10	261.20	5.10	2wa	Grey Zone 2 - Light Grey Zone				
261.20	274.40	13.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
274.40	294.00	19.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
294.00	302.00	8.00	2wa	Grey Zone 2 - Light Grey Zone				
302.00			EOH	End of Hole				

Diamond Drill Hole Number: H-06-09

East: 488,044.00
North: 5,377,153.11
Elevation: 288.61

Azimuth: 360
Dip: -81
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,869.74
North: 4,741.99
Elevation: 2,288.61

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden				
22.00	47.50	25.50	FLT	Fault				
47.50	52.03	4.53	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
52.03	76.00	23.97	2a	Mafic Metavolcanic Rock Unit - massive flow				
76.00	82.06	6.06	2wa	Grey Zone 2 - Light Grey Zone	78.50	79.00	0.50	1.61
82.06	103.17	21.11	2a	Mafic Metavolcanic Rock Unit - massive flow				
103.17	108.94	5.77	2wa	Grey Zone 2 - Light Grey Zone	106.30	107.08	0.78	1.85
108.94	120.20	11.26	2a	Mafic Metavolcanic Rock Unit - massive flow				
120.20	125.17	4.97	2wa	Grey Zone 2 - Light Grey Zone	122.07	122.40	0.33	5.34
125.17	146.98	21.81	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	124.20	125.20	1.00	2.16
146.98	157.70	10.72	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite	132.00	133.00	1.00	1.90
157.70	162.00	4.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	135.00	135.50	0.50	2.61
162.00	165.82	3.82	2wa	Grey Zone 2 - Light Grey Zone				
165.82	181.40	15.58	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite				
181.40	195.98	14.58	2wa	Grey Zone 2 - Light Grey Zone				
195.98	221.50	25.52	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	202.50	203.50	1.00	3.70
221.50	223.99	2.49	2wa	Grey Zone 2 - Light Grey Zone	215.10	215.50	0.40	27.35
223.99			EOH	End of Hole				

Diamond Drill Hole Number: H-06-10

East: 488,022.21
North: 5,377,157.28
Elevation: 288.55

Azimuth: 360
Dip: -69
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,847.94
North: 4,746.13
Elevation: 2,288.55

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	O/B	Casing/Overburden				
31.00	37.00	6.00	FLT	Fault				
37.00	59.65	22.65	2a	Mafic Metavolcanic Rock Unit - massive flow				
59.65	69.00	9.35	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
69.00	76.23	7.23	2wa	Grey Zone 2 - Light Grey Zone	70.00	70.50	0.50	6.34
76.23	130.50	54.27	2a	Mafic Metavolcanic Rock Unit - massive flow	94.40	94.80	0.40	1.66
130.50	141.70	11.20	1a	Ultramafic Metavolcanic Unit -massive flow	105.50	106.50	1.00	1.21
141.70	154.60	12.90	2ad	Mafic Metavolcanic Rock Unit - magnesium tholeiite				
154.60	160.99	6.39	2a	Mafic Metavolcanic Rock Unit - massive flow				
160.99			EOH	End of Hole				

Diamond Drill Hole Number: H-06-11

East: 487,365.64
North: 5,377,109.12
Elevation: 286.55

Azimuth: 360
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,191.12
North: 4,697.34
Elevation: 2,286.55

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	O/B	Casing/Overburden				
34.00	96.00	62.00	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
96.00	109.00	13.00	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
109.00	211.50	102.50	6g	Metasedimentary Rock Unit - turbidites (greywacke-argillite)				
211.50	215.30	3.80	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
215.30	242.00	26.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
242.00	252.60	10.60	2wa	Grey Zone 2 - Light Grey Zone				
252.60	271.00	18.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
271.00	325.00	54.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
325.00	491.50	166.50	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
491.50	492.80	1.30	15c	Quartz Vein				
492.80	527.45	34.65	2a	Mafic Metavolcanic Rock Unit - massive flow				
527.45	539.00	11.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
539.00	539.70	0.70	2we	Grey Zone 1 - Dark Grey Zone				
539.70	541.50	1.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
541.50	551.30	9.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
551.30	566.00	14.70	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
566.00	568.65	2.65	2we	Grey Zone 1 - Dark Grey Zone				
568.65	569.95	1.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
569.95	572.10	2.15	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
572.10	583.20	11.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
583.20	588.80	5.60	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
588.80	591.80	3.00	2wa	Grey Zone 2 - Light Grey Zone				
591.80	594.20	2.40	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
594.20	597.50	3.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
597.50	604.00	6.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
604.00	612.90	8.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
612.90	615.00	2.10	FLT	Fault				
615.00	617.50	2.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
617.50	638.50	21.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
638.50	695.30	56.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
695.30	730.75	35.45	2a	Mafic Metavolcanic Rock Unit - massive flow				
730.75	763.40	32.65	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
763.40	817.40	54.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow	763.40	764.40	1.00	1.38
817.40	865.50	48.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
865.50	878.50	13.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal/vesicular flow				
878.50	885.30	6.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow				

Diamond Drill Hole Number: H-06-11

East: 487,365.64
North: 5,377,109.12
Elevation: 286.55

Azimuth: 360
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,191.12
North: 4,697.34
Elevation: 2,286.55

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
885.30	892.10	6.80	1k	Ultramafic Metavolcanic Unit - komatiitic basalt				
892.10	900.90	8.80	1a	Ultramafic Metavolcanic Unit -massive flow				
900.90	913.70	12.80	1kv	Ultramafic Metavolcanic Unit - komatiitic basaltv				
913.70	920.00	6.30	2wa	Grey Zone 2 - Light Grey Zone				
920.00	930.60	10.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow	920.90	922.20	1.30	1.33
930.60	975.00	44.40	6n	Metasedimentary Rock Unit - graphitic pelite, argillite				
975.00			EOH	End of Hole				

Diamond Drill Hole Number: GT-1

East: 487,371.90

North: 5,377,301.37

Elevation: 286.17

Azimuth: 360

Dip: -44

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,197.20

North: 4,889.68

Elevation: 2,286.17

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	16.00	16.00	O/B	Casing/Overburden	Samples 149179 to 149248 layed out in core, samples not submitted			
16.00	42.71	26.71	2a	Mafic Metavolcanic Rock Unit - massive flow				
42.71	76.86	34.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
76.86	98.47	21.61	2a	Mafic Metavolcanic Rock Unit - massive flow				
98.47	99.84	1.37	2wa	Grey Zone 2 - Light Grey Zone				
99.84	116.00	16.16	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
116.00			EOH	End of Hole				

Diamond Drill Hole Number: GT-3

East: 487,374.98
North: 5,377,397.42
Elevation: 285.91

Azimuth: 360
Dip: -60
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,200.19
North: 4,985.77
Elevation: 2,285.91

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	O/B	Casing/Overburden				
28.00	101.00	73.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
101.00			EOH	End of Hole				

Diamond Drill Hole Number: GT-5

East: 487,377.59
North: 5,377,496.01
Elevation: 286.05

Azimuth: 360
Dip: -60
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,202.72
North: 5,084.41
Elevation: 2,286.05

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	22.00	22.00	O/B	Casing/Overburden	Samples 149147 to 149164 layed out in core, samples not submitted			
22.00	34.35	12.35	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
34.35	65.13	30.78	2a	Mafic Metavolcanic Rock Unit - massive flow				
65.13	66.13	1.00	2wa	Grey Zone 2 - Light Grey Zone				
66.13	101.00	34.87	2a	Mafic Metavolcanic Rock Unit - massive flow				
101.00			EOH	End of Hole				

Diamond Drill Hole Number: GT-6

East: 487,471.07
North: 5,377,317.32
Elevation: 289.18

Azimuth: 360
Dip: -60
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,296.41
North: 4,905.72
Elevation: 2,289.18

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	O/B	Casing/Overburden	Samples 149125 to 149133 layed out in core, samples not submitted			
31.00	100.99	69.99	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
100.99			EOH	End of Hole				
0.00	25.00	25.00	O/B	Casing/Overburden				
25.00	100.99	75.99	2a	Mafic Metavolcanic Rock Unit - massive flow				
100.99			EOH	End of Hole				

Diamond Drill Hole Number: GT-8
East: 487,470.76
North: 5,377,416.51
Elevation: 289.62
Azimuth: 360
Dip: -60
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:
East: 6,296.00
North: 5,004.95
Elevation: 2,289.62

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	O/B	Casing/Overburden	Samples 149134 to 149146 layed out in core, samples not submitted			
25.00	100.99	75.99	2a	Mafic Metavolcanic Rock Unit - massive flow				
100.99			EOH	End of Hole				

Diamond Drill Hole Number: GT-10

East: 487,569.87

North: 5,377,195.24

Elevation: 290.48

Azimuth: 360

Dip: -60

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,395.36

North: 4,783.69

Elevation: 2,290.48

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	38.50	38.50	O/B	Casing/Overburden	Samples 149112 to 149124 layed out in core, samples not submitted			
38.50	55.60	17.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
55.60	84.94	29.34	2a	Mafic Metavolcanic Rock Unit - massive flow				
84.94	88.37	3.43	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
88.37	100.99	12.62	2a	Mafic Metavolcanic Rock Unit - massive flow				
100.99			EOH	End of Hole				

Diamond Drill Hole Number: GT-12

East: 487,571.66

North: 5,377,299.12

Elevation: 290.58

Azimuth: 360

Dip: -60

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,397.06

North: 4,887.61

Elevation: 2,290.58

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	19.00	19.00	O/B	Casing/Overburden	Samples 149088 to 149111 layed out in core, samples not submitted			
19.00	47.75	28.75	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
47.75	86.60	38.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
86.60	93.97	7.37	2e	Mafic Metavolcanic Rock Unit - mafic flow, flow top breccia				
93.97	100.99	7.02	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
100.99			EOH	End of Hole				

Diamond Drill Hole Number: GT-14**East:** 487,672.61**North:** 5,377,202.73**Elevation:** 289.33**Azimuth:** 360**Dip:** -60**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 6,498.15**North:** 4,791.28**Elevation:** 2,289.33

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	O/B	Casing/Overburden	Samples 149001 to 149050 layed out in core, samples not submitted			
34.00	41.48	7.48	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
41.48	44.69	3.21	2wa	Grey Zone 2 - Light Grey Zone				
44.69	55.90	11.21	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
55.90	67.31	11.41	2wa	Grey Zone 2 - Light Grey Zone				
67.31	73.78	6.47	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
73.78	76.82	3.04	2a	Mafic Metavolcanic Rock Unit - massive flow				
76.82	83.43	6.61	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
83.43	100.99	17.56	2a	Mafic Metavolcanic Rock Unit - massive flow				
100.99			EOH	End of Hole				

Diamond Drill Hole Number: GT-16

East: 487,671.91

North: 5,377,314.17

Elevation: 289.55

Azimuth: 360

Dip: -60

UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6,497.33

North: 4,902.76

Elevation: 2,289.55

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	37.00	37.00	O/B	Casing/Overburden	Samples 149052 to 149087 layed out in core, samples not submitted			
37.00	55.97	18.97	2a	Mafic Metavolcanic Rock Unit - massive flow				
55.97	59.27	3.30	2wa	Grey Zone 2 - Light Grey Zone				
59.27	71.91	12.64	2a	Mafic Metavolcanic Rock Unit - massive flow				
71.91	82.05	10.14	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
82.05	97.93	15.88	2a	Mafic Metavolcanic Rock Unit - massive flow				
97.93	100.99	3.06	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
100.99			EOH	End of Hole				

Appendix 3

Diamond Drill Log Summaries

For the Bell Creek Mine Portion of the Bell Creek Complex Project

2008 Bell Creek Diamond Drill Log Summaries

BC-08- 1	BC-08- 11	BC-08- 23C
BC-08- 2	BC-08- 12	BC-08- 23D
BC-08- 3	BC-08- 13	BC-08- 24
BC-08- 4	BC-08- 14	BC-08- 24A
BC-08- 5	BC-08- 15	BC-08- 24B
BC-08- 6	BC-08- 16	BC-08- 25
BC-08- 7	BC-08- 17	BC-08- 26
BC-08- 7A	BC-08- 18	BC-08- 28
BC-08- 7B	BC-08- 19	BC-08- 29
BC-08- 8	BC-08- 20	BC-08- 30
BC-08- 9	BC-08- 21	BC-08- 31
BC-08- 9A	BC-08- 23	BC-08- 32
BC-08- 9B	BC-08- 23A	BC-08- 33
BC-08- 10	BC-08- 23B	

2009 Bell Creek Diamond Drill Log Summaries

BC-09- 1	BC-09- 6	BC-09- 17
BC-09- 2	BC-09- 9	BC-09- 18
BC-09- 2A	BC-09- 10	BC-09- 19
BC-09- 3	BC-09- 12	BC-09- 21
BC-09- 3A	BC-09- 13	BC-09- 22
BC-09- 4	BC-09- 14	BC-09- 24
BC-09- 5	BC-09- 15	BC-09- 24A
BC-09- 5A	BC-09- 16	BC-09- 24B

Diamond Drill Hole Number: BC08-001

East: 486993.02 **Azimuth:** 360
North: 5377244.06 **Dip:** -71
Elevation: 283.56 **UTM Coordinates:** NAD 83, Zone 17

Field Grid Coordinate:

East: 5818.24
North: 4831.99
Elevation: 2283.56

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	ob	Casing/Overburden				
28.00	56.00	28.00	6n	Metasedimentary Rock Unit - graphitic argillite				
56.00	75.00	19.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
75.00	119.40	44.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
119.40	136.35	16.95	2a	Mafic Metavolcanic Rock Unit - massive flow				
136.35	153.90	17.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
153.90	159.50	5.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
159.50	176.20	16.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
176.20	178.40	2.20	flt	Fault Zone				
178.40	187.20	8.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
187.20	196.70	9.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
196.70	210.90	14.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
210.90	301.35	90.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
301.35	303.55	2.20	15c	Massive White Quartz Vein				
303.55	314.45	10.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
314.45	322.95	8.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	314.45	319.70	5.25	1.04
322.95	422.00	99.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Which Includes 318.10	319.70	1.60	2.34
422.00	439.10	17.10	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
439.10	542.50	103.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
542.50	596.50	54.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
596.50	705.40	108.90	2a	Mafic Metavolcanic Rock Unit - massive flow	599.55	600.80	1.25	1.23
705.40	707.30	1.90	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
707.30	709.20	1.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
709.20	712.10	2.90	flt	Fault Zone				
712.10	758.60	46.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
758.60	790.80	32.20	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
790.80	806.00	15.20	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
806.00	820.90	14.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
820.90	851.60	30.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
851.60	854.95	3.35	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
854.95	858.90	3.95	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
858.90	877.90	19.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
877.90	880.50	2.60	flt	Fault Zone				
880.50	917.00	36.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
917.00	923.60	6.60	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
923.60	945.40	21.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
945.40	979.20	33.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
979.20	1013.60	34.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	992.35	992.90	0.55	3.02
1013.60	1040.60	27.00	2a	Mafic Metavolcanic Rock Unit - massive flow	997.00	998.20	1.20	1.54
1040.60	1044.30	3.70	2e	Mafic Metavolcanic Rock Unit - flow top breccia	1009.30	1010.10	0.80	3.60
1044.30	1055.20	10.90	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
1055.20	1061.30	6.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				

Diamond Drill Hole Number: BC08-001

East: 486993.02
North: 5377244.06
Elevation: 283.56

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5818.24
North: 4831.99
Elevation: 2283.56

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
1061.30	1064.05	2.75	2w	Altered Mafic Metavolcanic Rock Unit				
1064.05	1064.65	0.60	15	Quartz Veins				
1064.65	1065.30	0.65	6n	Metasedimentary Rock Unit - graphitic argillite				
1065.30	1070.55	5.25	2w	Altered Mafic Metavolcanic Rock Unit				
1070.55	1083.00	12.45	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1083.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-002

East: 486811.46
North: 5377244.77
Elevation: 285.57

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5636.60
North: 4832.53
Elevation: 2285.57

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	21.00	21.00	ob	Casing/Overburden				
21.00	32.50	11.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
32.50	42.40	9.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
42.40	91.35	48.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
91.35	102.35	11.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
102.35	135.25	32.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
135.25	137.45	2.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
137.45	145.00	7.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
145.00	164.10	19.10	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
164.10	178.10	14.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
178.10	184.15	6.05	flt	Fault Zone				
184.15	190.35	6.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
190.35	198.35	8.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
198.35	205.60	7.25	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
205.60	216.10	10.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
216.10	244.00	27.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia	230.95	232.15	1.20	1.76
244.00	257.65	13.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
257.65	313.30	55.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
313.30	332.00	18.70	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
332.00	468.30	136.30	2a	Mafic Metavolcanic Rock Unit - massive flow	352.15	363.50	11.35	3.16
468.30	556.15	87.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Includes 356.00	363.50	7.50	4.55
556.15	706.60	150.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
706.60	744.15	37.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
744.15	773.75	29.60	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
773.75	838.10	64.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
838.10	877.25	39.15	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
877.25	881.70	4.45	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
881.70	896.50	14.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
896.50	903.40	6.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
903.40	909.00	5.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
909.00	922.50	13.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia	919.00	920.30	1.30	2.13
922.50	930.75	8.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
930.75	936.75	6.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
936.75	948.80	12.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
948.80	992.45	43.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
992.45	1005.70	13.25	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
1005.70	1034.55	28.85	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1034.55	1042.80	8.25	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
1042.80	1059.20	16.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1059.20	1093.70	34.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
1093.70	1103.10	9.40	2w	Altered Mafic Metavolcanic Rock Unit				
1103.10	1138.50	35.40	2a	Mafic Metavolcanic Rock Unit - massive flow				

Diamond Drill Hole Number: BC08-002**East:** 486811.46**North:** 5377244.77**Elevation:** 285.57**Azimuth:** 360**Dip:** -71**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5636.60**North:** 4832.53**Elevation:** 2285.57

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
1138.50	1139.80	1.30	15	Quartz Veins				
1139.80	1141.70	1.90	6n	Metasedimentary Rock Unit - graphitic argillite				
1141.70	1181.00	39.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1181.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-003

East: 486488.53
North: 5377245.32
Elevation: 289.69

Azimuth: 360
Dip: -71
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5313.53
North: 4832.78
Elevation: 2289.69

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	ob	Casing/Overburden				
28.00	43.00	15.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
43.00	60.40	17.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
60.40	71.75	11.35	2e	Mafic Metavolcanic Rock Unit - flow top breccia	61.50	62.75	1.25	2.12
71.75	133.40	61.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow	107.05	108.35	1.30	1.11
133.40	153.35	19.95	2a	Mafic Metavolcanic Rock Unit - massive flow				
153.35	165.35	12.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
165.35	271.60	106.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
271.60	276.40	4.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
276.40	286.00	9.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
286.00	300.25	14.25	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
300.25	305.05	4.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
305.05	321.50	16.45	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
321.50	346.30	24.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	330.40	330.75	0.35	2.54
346.30	357.70	11.40	2a	Mafic Metavolcanic Rock Unit - massive flow	334.80	335.35	0.55	1.27
357.70	374.50	16.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
374.50	388.60	14.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
388.60	407.10	18.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
407.10	458.10	51.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
458.10	470.10	12.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia	454.25	454.70	0.45	1.08
470.10	497.45	27.35	2a	Mafic Metavolcanic Rock Unit - massive flow				
497.45	509.05	11.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
509.05	514.80	5.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
514.80	519.00	4.20	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
519.00	523.80	4.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
523.80	545.05	21.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
545.05	589.60	44.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
589.60	668.15	78.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
668.15	689.65	21.50	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
689.65	700.50	10.85	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
700.50	762.05	61.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow	731.45	732.30	0.85	1.80
762.05	775.30	13.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
775.30	791.20	15.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
791.20	824.60	33.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
824.60	832.80	8.20	2wa	Grey Zone 2 - Light Grey Zone				
832.80	851.10	18.30	2we	Grey Zone 1 - Dark Grey Zone	847.00	851.90	4.90	1.34
851.10	868.70	17.60	2wa	Grey Zone 2 - Light Grey Zone	849.80	850.75	0.95	3.19
868.70	909.75	41.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
909.75	916.70	6.95	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
916.70	929.30	12.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
929.30	941.10	11.80	2wa	Grey Zone 2 - Light Grey Zone				
941.10	945.05	3.95	2a	Mafic Metavolcanic Rock Unit - massive flow				

Includes

Diamond Drill Hole Number: BC08-003**East:** 486488.53**North:** 5377245.32**Elevation:** 289.69**Azimuth:** 360**Dip:** -71**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5313.53**North:** 4832.78**Elevation:** 2289.69

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
945.05	959.70	14.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
959.70	987.35	27.65	2w	Altered Mafic Metavolcanic Rock Unit				
987.35	993.20	5.85	flt	Fault Zone				
993.20	1064.00	70.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1064.00	1165.30	101.30	2a	Mafic Metavolcanic Rock Unit - massive flow	1024.25	1024.90	0.65	1.80
1165.30	1170.00	4.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	1115.50	1120.00	4.50	1.38
1170.00				End of Diamond Drill Log	Includes 1119.50	1120.00	0.50	3.70

Diamond Drill Hole Number: BC08-004

East: 486517.99
 North: 5377368.55
 Elevation: 290.82

Azimuth: 360
 Dip: -71
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5342.88
 North: 4956.09
 Elevation: 2290.82

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	ob	Casing/Overburden				
34.00	143.00	109.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia	No assay results equal to or greater than one gram per tonne Au			
143.00	173.50	30.50	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
173.50	202.50	29.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
202.50	207.05	4.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
207.05	238.35	31.30	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
238.35	257.60	19.25	2w	Altered Mafic Metavolcanic Rock Unit				
257.60	266.00	8.40	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
266.00	274.20	8.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
274.20	289.00	14.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
289.00	295.40	6.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
295.40	306.85	11.45	2w	Altered Mafic Metavolcanic Rock Unit				
306.85	357.05	50.20	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
357.05	365.00	7.95	2w	Altered Mafic Metavolcanic Rock Unit				
365.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-005

East: 486511.60
North: 5377618.79
Elevation: 298.29

Azimuth: 360
Dip: -67
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5336.26
North: 5206.43
Elevation: 2298.29

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	4.00	4.00	ob	Casing/Overburden					
4.00	100.40	96.40	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic					
100.40	143.50	43.10	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
143.50	174.30	30.80	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
174.30	194.30	20.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
194.30	198.05	3.75	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
198.05	200.15	2.10	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
200.15	219.95	19.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
219.95	256.90	36.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow		237.70	238.45	0.75	1.16
256.90	290.20	33.30	2wa	Grey Zone 2 - Light Grey Zone		264.50	267.75	3.25	2.94
290.20	308.05	17.85	2a	Mafic Metavolcanic Rock Unit - massive flow	Includes	264.50	266.00	1.50	5.00
308.05	324.75	16.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow		274.20	275.00	0.80	2.64
324.75	334.45	9.70	2wa	Grey Zone 2 - Light Grey Zone		279.00	287.10	8.10	5.95
334.45	421.45	87.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Includes	279.00	284.85	5.85	3.68
421.45	428.40	6.95	2a	Mafic Metavolcanic Rock Unit - massive flow	And	286.30	287.10	0.80	33.26
428.40	433.50	5.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
433.50	444.35	10.85	2a	Mafic Metavolcanic Rock Unit - massive flow					
444.35	486.25	41.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
486.25	525.65	39.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		485.15	488.65	3.50	2.66
525.65	540.15	14.50	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
540.15	547.55	7.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
547.55	588.30	40.75	2a	Mafic Metavolcanic Rock Unit - massive flow		588.15	588.60	0.45	1.89
588.30	613.90	25.60	2we	Grey Zone 1 - Dark Grey Zone		603.05	604.25	1.20	2.53
613.90	757.55	143.65	2a	Mafic Metavolcanic Rock Unit - massive flow		609.80	610.60	0.80	8.94
757.55	782.75	25.20	2wa	Grey Zone 2 - Light Grey Zone		622.30	623.00	0.70	1.71
782.75	835.00	52.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow		636.80	637.60	0.80	1.61
835.00	853.30	18.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow		648.50	648.95	0.45	1.92
853.30	908.35	55.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow		659.05	659.80	0.75	4.32
908.35				End of Diamond Drill Log					

Diamond Drill Hole Number: BC08-006

East: 486,506.64
North: 5,377,428.54
Elevation: 291.77

Azimuth: 004
Dip: -70
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5331.47
North: 5016.09
Elevation: 2291.77

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	80.50	80.50	ob	Casing/Overburden				
80.50	107.70	27.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
107.70	167.40	59.70	2c	Mafic Metavolcanic Rock Unit - variolitic flow	574.00	575.00	1.00	0.99
167.40	175.15	7.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	764.00	764.70	0.70	1.44
175.15	212.75	37.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia	769.90	773.50	3.60	3.10
212.75	230.95	18.20	2w	Altered Mafic Metavolcanic Rock Unit	780.20	781.30	1.10	6.46
230.95	269.25	38.30	2e	Mafic Metavolcanic Rock Unit - flow top breccia	780.20	780.70	0.50	12.51
269.25	323.75	54.50	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	785.30	785.60	0.30	1.00
323.75	368.65	44.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	946.60	948.00	1.40	1.14
368.65	432.00	63.35	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	958.10	959.40	1.30	2.17
432.00	451.85	19.85	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
451.85	496.90	45.05	2w	Altered Mafic Metavolcanic Rock Unit				
496.90	550.70	53.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
550.70	614.75	64.05	2w	Altered Mafic Metavolcanic Rock Unit				
614.75	618.65	3.90	2we	Grey Zone 1 - Dark Grey Zone				
618.65	795.50	176.85	2w	Altered Mafic Metavolcanic Rock Unit				
795.50	1041.60	246.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
1041.60	1109.00	67.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1109.00				End of Diamond Drill Log				

Includes

Diamond Drill Hole Number: BC08-007**East:** 486806.87**North:** 5377352.24**Elevation:** 285.37**Azimuth:** 002**Dip:** -71**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5631.90**North:** 4940.04**Elevation:** 2285.37

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	ob	Casing/Overburden				
31.00	92.00	61.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
92.00				End of Diamond Drill Log				

No assay results equal to or greater than one gram per tonne Au

Diamond Drill Hole Number: BC08-007A

East: 486806.87 **Azimuth:** 002
North: 5377337 * **Dip:** -71
Elevation: 285.37 **UTM Coordinates:** NAD 83, Zone 17

Field Grid Coordinate:

East: 5631.90
North: 4925.04
Elevation: 2285.37

* 15 metres south of ddh BC08-007

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	13.00	13.00	ob	Casing/Overburden				
13.00	341.00	328.00	2a	Mafic Metavolcanic Rock Unit - massive flow	95.90	96.20	0.30	4.18
341.00				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC08-007B**East:** 486806.87**North:** 5377337 ***Elevation:** 285.37**Azimuth:** 002**Dip:** -71**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5631.90**North:** 4925.04**Elevation:** 2285.37

* 15 metres south of ddh BC08-007

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
272.00	439.35	167.35	2a	Mafic Metavolcanic Rock Unit - massive flow				
413.00	413.28	0.28	15a	Quartz Veins				
439.35	451.35	12.00	2wa	Grey Zone 2 - Light Grey Zone				
451.35	634.15	182.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
634.15	665.30	31.15	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
665.30	721.85	56.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
721.85	745.90	24.05	2we	Grey Zone 1 - Dark Grey Zone				
745.90	776.75	30.85	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
776.75	784.45	7.70	2wa	Grey Zone 2 - Light Grey Zone				
784.45	840.25	55.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
787.20	787.50	0.30	15c	Massive White Quartz Vein				
789.85	790.20	0.35	15c	Massive White Quartz Vein	947.30	948.30	1.00	17.54
830.90	833.10	2.20	qtz	Quartz Vein	955.10	956.60	1.50	1.82
840.25	853.00	12.75	2w	Altered Mafic Metavolcanic Rock Unit	957.10	961.75	1.00	1.54
844.50	845.30	0.80	15a	Quartz Veins	961.45	963.85	2.40	6.83
853.00	1049.00	196.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia	982.10	982.50	0.40	1.45
1049.00				End of Diamond Drill Log	993.15	994.15	1.00	1.27
					1005.40	1006.40	1.00	1.10

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC08-008

East: 486266.64
 North: 5377240.53
 Elevation: 290.31

Azimuth: 002
 Dip: -72
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5091.54
 North: 4827.78
 Elevation: 2290.31

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	ob	Casing/Overburden				
25.00	72.30	47.30	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
72.30	97.55	25.25	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
97.55	105.50	7.95	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
105.50	148.50	43.00	6n	Metasedimentary Rock Unit - graphitic argillite				
148.50	150.10	1.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
150.10	170.55	20.45	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
170.55	208.15	37.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
208.15	227.30	19.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
227.30	246.85	19.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
246.85	250.70	3.85	15f	Quartz Carbonate Vein				
250.70	254.40	3.70	2we	Grey Zone 1 - Dark Grey Zone				
254.40	275.55	21.15	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
275.55	325.80	50.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
325.80	334.85	9.05	2we	Grey Zone 1 - Dark Grey Zone				
334.85	367.00	32.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
367.00	394.50	27.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
394.50	440.20	45.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
440.20	451.25	11.05	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
451.25	511.05	59.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
511.05	524.55	13.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
524.55	573.40	48.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
573.40	581.50	8.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
581.50	587.00	5.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
587.00	593.95	6.95	12a	Metamorphosed Diabase Dyke				
593.95	605.10	11.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
605.10	627.55	22.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
627.55	632.05	4.50	flt	Fault Zone				
632.05	643.15	11.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
643.15	659.10	15.95	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
659.10	666.70	7.60	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
666.70	715.00	48.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
715.00	726.95	11.95	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
726.95	780.00	53.05	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
780.00	805.60	25.60	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
805.60	830.90	25.30	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
830.90	834.85	3.95	flt	Fault Zone				
834.85	872.40	37.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
872.40	881.10	8.70	2wa	Grey Zone 2 - Light Grey Zone				
881.10	973.80	92.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
973.80	977.60	3.80	15f	Quartz Carbonate Vein				
977.60	1003.50	25.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				

Diamond Drill Hole Number: BC08-008

East: 486266.64
 North: 5377240.53
 Elevation: 290.31

Azimuth: 002
 Dip: -72
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5091.54
 North: 4827.78
 Elevation: 2290.31

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
1003.50	1035.25	31.75	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1035.25	1044.10	8.85	2a	Mafic Metavolcanic Rock Unit - massive flow		1037.60	1038.55	0.95	4.87
1044.10	1069.65	25.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow		1076.55	1077.50	0.95	1.86
1069.65	1083.50	13.85	2a	Mafic Metavolcanic Rock Unit - massive flow		1083.20	1088.00	4.80	5.02
1083.50	1087.65	4.15	2wa	Grey Zone 2 - Light Grey Zone	Includes	1085.10	1086.10	1.00	12.24
1087.65	1134.95	47.30	2a	Mafic Metavolcanic Rock Unit - massive flow					
1134.95	1145.20	10.25	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1145.20	1155.60	10.40	2a	Mafic Metavolcanic Rock Unit - massive flow					
1155.60	1175.15	19.55	2c	Mafic Metavolcanic Rock Unit - variolitic flow					
1175.15	1202.00	26.85	2a	Mafic Metavolcanic Rock Unit - massive flow					
1202.00				End of Diamond Drill Log					

Diamond Drill Hole Number: BC08-009

East: 487219.82
North: 5377246.01
Elevation: 284.03

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.14
North: 4834.15
Elevation: 2284.03

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	ob	Casing/Overburden				
25.00	79.20	54.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
79.20	94.20	15.00	2wa	Grey Zone 2 - Light Grey Zone				
94.20	210.40	116.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
210.40	247.45	37.05	2wa	Grey Zone 2 - Light Grey Zone				
247.45	289.45	42.00	6n	Metasedimentary Rock Unit - graphitic argillite				
289.45	318.40	28.95	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
318.40	311.85	-6.55	6n	Metasedimentary Rock Unit - graphitic argillite				
311.85	345.15	33.30	6n	Metasedimentary Rock Unit - graphitic argillite				
345.15	355.20	10.05	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
355.20	431.60	76.40	2w	Altered Mafic Metavolcanic Rock Unit				
431.60	450.85	19.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
450.85	469.10	18.25	2we	Grey Zone 1 - Dark Grey Zone				
469.10	496.45	27.35	2ad	Mafic Metavolcanic Rock Unit - massive flowd				
496.45	490.00	-6.45	2we	Grey Zone 1 - Dark Grey Zone				
490.00	503.10	13.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
503.10	540.90	37.80	2e	Mafic Metavolcanic Rock Unit - flow top breccia	685.30	686.20	0.90	2.26
540.90	636.50	95.60	2ad	Mafic Metavolcanic Rock Unit - massive flowd	749.00	749.90	0.90	1.03
636.50	642.00	5.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	761.50	762.50	1.00	2.72
642.00	680.00	38.00	2a	Mafic Metavolcanic Rock Unit - massive flow	844.35	845.00	0.65	2.06
680.00	716.40	36.40	2a	Mafic Metavolcanic Rock Unit - massive flow	952.30	953.00	0.70	0.98
716.40	830.40	114.00	2a	Mafic Metavolcanic Rock Unit - massive flow	955.65	956.90	1.25	2.48
830.40	837.50	7.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	958.00	959.00	1.00	1.41
837.50	844.35	6.85	2w	Altered Mafic Metavolcanic Rock Unit	960.00	961.00	1.00	1.16
844.35	949.90	105.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	986.60	987.10	0.50	0.95
949.90	954.00	4.10	6n	Metasedimentary Rock Unit - graphitic argillite	988.30	989.45	1.15	7.76
954.00	981.45	27.45	2we	Grey Zone 1 - Dark Grey Zone	988.80	989.10	0.30	19.35
981.45	1001.40	19.95	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	1007.60	1009.20	1.60	1.29
1001.40	1004.45	3.05	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	1012.35	1028.60	16.25	4.10
1004.45	1062.80	58.35	2w	Altered Mafic Metavolcanic Rock Unit	1013.90	1015.90	2.00	5.34
1062.80	1066.10	3.30	2we	Grey Zone 1 - Dark Grey Zone	1022.30	1022.60	0.30	39.72
1066.10	1077.05	10.95	2a	Mafic Metavolcanic Rock Unit - massive flow	1024.80	1028.60	3.80	8.66
1077.05	1097.25	20.20	2w	Altered Mafic Metavolcanic Rock Unit	1030.60	1031.00	0.40	1.20
1097.25	1101.10	3.85	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	1037.10	1037.60	0.50	1.47
1101.10	1102.95	1.85	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	1043.20	1054.40	11.20	3.13
1102.95	1106.85	3.90	2we	Grey Zone 1 - Dark Grey Zone	1043.20	1044.60	1.40	2.52
1106.85	1112.85	6.00	2w	Altered Mafic Metavolcanic Rock Unit	1048.60	1054.40	5.80	5.16
1112.85	1114.40	1.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	1055.90	1059.30	3.40	1.16
1114.40	1227.85	113.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow	1058.30	1059.30	1.00	2.45
1227.85	1249.55	21.70	2wa	Grey Zone 2 - Light Grey Zone	1062.80	1066.50	3.70	1.99
1249.55	1301.00	51.45	2a	Mafic Metavolcanic Rock Unit - massive flow	1088.40	1088.90	0.50	1.85
1301.00				End of Diamond Drill Log	1093.10	1093.80	0.70	2.04

Diamond Drill Hole Number: BC08-009A

East: 487219.82
North: 5377246.01
Elevation: 284.03

Azimuth: 004
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.14
North: 4834.15
Elevation: 2284.03

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
632.00	834.05	202.05	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
834.05	938.90	104.85	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
938.90	942.15	3.25	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
942.15	969.60	27.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		942.00	942.50	0.50	1.95
969.60	1000.25	30.65	2c	Mafic Metavolcanic Rock Unit - variolitic flow		947.75	961.45	13.70	2.26
1000.25	1091.00	90.75	2w	Altered Mafic Metavolcanic Rock Unit	Includes	954.80	961.45	6.65	3.26
1091.00				End of Diamond Drill Log		965.50	966.00	0.50	1.01
						966.50	967.00	0.50	1.05
						1013.00	1016.50	3.50	2.70
					Includes	1013.00	1014.00	1.00	5.62
						1045.00	1046.00	1.00	1.03
						1048.00	1048.60	0.60	1.61
						1056.50	1059.00	2.50	1.71
						1071.00	1071.50	0.50	3.67
						1081.00	1081.50	0.50	1.00
						1086.50	1088.50	2.00	1.76

Diamond Drill Hole Number: BC08-009B

East: 487219.82
 North: 5377246.01
 Elevation: 284.03

Azimuth: 004
 Dip: -72
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.14
 North: 4834.15
 Elevation: 2284.03

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
662.00	820.00	158.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia	682.25	684.25	2.00	1.46
820.85	911.00	90.15	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	771.50	772.00	0.50	2.33
911.00	929.35	18.35	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	924.80	933.70	8.90	2.44
929.35	933.70	4.35	15f	Quartz Carbonate Vein	924.80	929.60	4.80	1.35
933.70	941.35	7.65	2w	Altered Mafic Metavolcanic Rock Unit	930.60	933.70	3.10	4.82
941.35	986.85	45.50	2a	Mafic Metavolcanic Rock Unit - massive flow	995.70	996.20	0.50	1.89
986.85	1020.60	33.75	2w	Altered Mafic Metavolcanic Rock Unit	1010.80	1012.45	1.65	5.80
1020.60	1024.80	4.20	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	1020.50	1022.40	1.90	1.73
1024.80	1095.40	70.60	2w	Altered Mafic Metavolcanic Rock Unit	1049.80	1050.30	0.50	1.48
1095.40	1107.50	12.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	1054.85	1055.85	1.00	1.20
1107.50	1112.95	5.45	2we	Grey Zone 1 - Dark Grey Zone	1067.55	1068.05	0.50	1.92
1112.95	1181.15	68.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow	1072.50	1074.50	2.00	1.29
1181.15	1186.55	5.40	2we	Grey Zone 1 - Dark Grey Zone	1107.05	1108.10	1.05	1.19
1186.55	1202.75	16.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1202.75	1211.00	8.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1211.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-010

East: 486957.3
 North: 5377352.08
 Elevation: 284.34

Azimuth: 002
 Dip: -72
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5782.41
 North: 4940.02
 Elevation: 2284.34

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	16.00	16.00	ob	Casing/Overburden				
16.00	49.40	33.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
49.40	91.40	42.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
91.40	364.10	272.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
364.10	366.75	2.65	2we	Grey Zone 1 - Dark Grey Zone				
366.75	574.85	208.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
574.85	586.20	11.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	568.50	569.70	1.20	1.61
586.20	935.80	349.60	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
935.80	936.01	0.21	2we	Grey Zone 1 - Dark Grey Zone				
936.01	971.00	34.99	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	954.80	955.50	0.70	2.02
971.00	1025.00	54.00	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
1025.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-011

East: 486458.52
 North: 5377620.41
 Elevation: 294.31

Azimuth: 002
 Dip: -67
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5283.15
 North: 5208.00
 Elevation: 2294.31

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	1.75	1.75	ob	Casing/Overburden				
1.75	65.20	63.45	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
65.20	163.85	98.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
163.85	176.10	12.25	qtz	Quartz Vein				
176.10	184.05	7.95	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	182.65	183.65	1.00	9.34
184.05	242.95	58.90	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
242.95	304.56	61.61	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
304.56	375.05	70.49	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	334.00	336.00	2.00	1.34
375.05	450.60	75.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow	359.00	360.00	1.00	2.74
450.60				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-012**East:** 486455.87**North:** 5377554**Elevation:** 294.42**Azimuth:** 002**Dip:** -67**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5280.56**North:** 5141.56**Elevation:** 2294.42

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	3.00	3.00	ob	Casing/Overburden					
3.00	91.30	88.30	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
91.30	112.75	21.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
112.75	146.30	33.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
146.30	164.35	18.05	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
164.35	197.90	33.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
197.90	200.75	2.85	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
200.75	223.95	23.20	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
223.95	268.50	44.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
268.50	278.15	9.65	15f	Quartz Carbonate Vein					
278.15	281.80	3.65	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
281.80	302.05	20.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
302.05	354.30	52.25	2a	Mafic Metavolcanic Rock Unit - massive flow					
354.30	365.30	11.00	2wa	Grey Zone 2 - Light Grey Zone					
365.30	377.65	12.35	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
377.65	389.70	12.05	2wa	Grey Zone 2 - Light Grey Zone					
389.70	398.65	8.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
398.65	404.30	5.65	2wa	Grey Zone 2 - Light Grey Zone					
404.30	412.70	8.40	2we	Grey Zone 1 - Dark Grey Zone					
412.70	435.95	23.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		429.05	437.15	8.10	1.28
435.95	444.10	8.15	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	Includes	429.05	430.50	1.45	2.44
444.10	486.15	42.05	2a	Mafic Metavolcanic Rock Unit - massive flow	And	435.35	437.15	1.80	3.16
486.15	514.95	28.80	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
514.95	539.00	24.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
539.00				End of Diamond Drill Log					

Diamond Drill Hole Number: BC08-013

East: 486902.68
 North: 5377247.45
 Elevation: 284.78

Azimuth: 002
 Dip: -71
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5727.85
 North: 4835.29
 Elevation: 2284.78

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	19.00	19.00	ob	Casing/Overburden				
19.00	595.20	576.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
595.20	597.30	2.10	2w	Altered Mafic Metavolcanic Rock Unit				
597.30	599.20	1.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
599.20	647.60	48.40	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	372.80	374.20	1.40	1.06
647.60	672.80	25.20	2a	Mafic Metavolcanic Rock Unit - massive flow	455.00	455.70	0.70	6.34
672.80	876.90	204.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	553.40	553.90	0.50	3.43
876.90	896.20	19.30	1	Ultramafic Metavolcanic Rock Unit				
896.20	952.00	55.80	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
952.00	984.40	32.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
984.40	989.05	4.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
989.05	993.60	4.55	1	Ultramafic Metavolcanic Rock Unit				
993.60	1122.85	129.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
1122.85	1142.40	19.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1142.40	1155.20	12.80	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
1155.20	1178.05	22.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow	1164.00	1165.00	1.00	1.68
1178.05	1183.60	5.55	2we	Grey Zone 1 - Dark Grey Zone	1179.05	1179.55	0.50	2.67
1183.60	1244.00	60.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1244.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-014

East: 486493.33
 North: 5377582.16
 Elevation: 295.89

Azimuth: 002
 Dip: -70
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5318.01
 North: 5169.77
 Elevation: 2295.89

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	2.00	2.00	ob	Casing/Overburden				
2.00	70.55	68.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
70.55	110.60	40.05	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
110.60	229.15	118.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
229.15	241.20	12.05	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
241.20	252.85	11.65	2a	Mafic Metavolcanic Rock Unit - massive flow				
252.85	287.45	34.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
287.45	296.55	9.10	2wa	Grey Zone 2 - Light Grey Zone				
296.55	318.80	22.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
318.80	326.05	7.25	2wa	Grey Zone 2 - Light Grey Zone				
326.05	332.75	6.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
332.75	333.90	1.15	15a	Quartz Veins	339.65	340.75	1.10	1.02
333.90	387.30	53.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	369.15	370.50	1.35	1.75
387.30	452.00	64.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
452.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-015

East: 486675.22
 North: 5377261.46
 Elevation: 287.26

Azimuth: 002
 Dip: -72
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5500.16
 North: 4850.47
 Elevation: 2287.26

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	19.00	19.00	ob	Casing/Overburden				
19.00	38.80	19.80	flt	Fault Zone				
38.80	57.96	19.16	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
57.96	79.40	21.44	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
79.40	83.39	3.99	2a	Mafic Metavolcanic Rock Unit - massive flow	82.00	82.30	0.30	7.27
83.39	89.65	6.26	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
89.65	103.44	13.79	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
103.44	106.19	2.75	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
106.19	109.15	2.96	2w	Altered Mafic Metavolcanic Rock Unit				
109.15	117.29	8.14	2a	Mafic Metavolcanic Rock Unit - massive flow				
117.29	123.64	6.35	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
123.64	222.15	98.51	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
222.15	358.00	135.85	12a	Metamorphosed Diabase Dyke				
358.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-016

East: 486890.69
 North: 5377385.68
 Elevation: 284.5

Azimuth: 002
 Dip: -71
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5715.73
 North: 4973.58
 Elevation: 2284.50

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	32.60	32.60	ob	Casing/Overburden				
32.60	84.05	51.45	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
84.05	108.50	24.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
108.50	237.05	128.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
237.05	351.25	114.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
351.25	370.10	18.85	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
370.10	420.75	50.65	2e	Mafic Metavolcanic Rock Unit - flow top breccia	396.30	398.30	2.00	1.18
420.75	433.50	12.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	432.50	433.00	0.50	1.09
433.50	519.55	86.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
519.55	595.10	75.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
595.10	625.35	30.25	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
625.35	642.60	17.25	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
642.60	685.05	42.45	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
685.05	703.95	18.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
703.95	721.80	17.85	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
721.80	765.00	43.20	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
765.00	803.90	38.90	1	Ultramafic Metavolcanic Rock Unit				
803.90	868.90	65.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
868.90	893.40	24.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
893.40	899.25	5.85	2we	Grey Zone 1 - Dark Grey Zone				
899.25	907.30	8.05	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
907.30	918.50	11.20	2we	Grey Zone 1 - Dark Grey Zone				
918.50	951.90	33.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
951.90	983.50	31.60	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
983.50	989.25	5.75	2we	Grey Zone 1 - Dark Grey Zone				
989.25	1019.95	30.70	2a	Mafic Metavolcanic Rock Unit - massive flow	999.80	1000.20	0.40	2.00
1019.95	1026.50	6.55	2we	Grey Zone 1 - Dark Grey Zone				
1026.50	1080.75	54.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1080.75	1104.00	23.25	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
1104.00	1169.70	65.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1169.70	1179.65	9.95	2we	Grey Zone 1 - Dark Grey Zone				
1179.65	1223.90	44.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
1224.00				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC08-017

East: 486675.22
 North: 5377262.16
 Elevation: 287.26

Azimuth: 002
 Dip: -50
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5500.29
 North: 4849.80
 Elevation: 2287.26

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	28.00	28.00	ob	Casing/Overburden				
28.00	90.30	62.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow	No assay results equal to or greater than one gram per tonne Au			
90.30	151.70	61.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
151.70	191.90	40.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
191.90	204.50	12.60	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
204.50	233.80	29.30	1	Ultramafic Metavolcanic Rock Unit				
233.80	239.20	5.40	1	Ultramafic Metavolcanic Rock Unit				
239.20	256.90	17.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
257.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-018**East:** 486674.83**North:** 5377209.82**Elevation:** 287.52**Azimuth:** 002**Dip:** -70**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5499.94**North:** 4797.43**Elevation:** 2287.52

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	16.00	16.00	ob	Casing/Overburden				
16.00	52.30	36.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
52.30	137.10	84.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
137.10	145.90	8.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
145.90	149.50	3.60	2a	Mafic Metavolcanic Rock Unit - massive flow	147.20	148.20	1.00	1.12
149.50	168.00	18.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
168.00	170.00	2.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
170.00	209.00	39.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
209.00	245.00	36.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
245.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-019

East: 486857.52
North: 5377247.08
Elevation: 285.6

Azimuth: 002
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5682.68
North: 4834.88
Elevation: 2285.60

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	13.00	13.00	ob	Casing/Overburden				
13.00	23.70	10.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
23.70	130.75	107.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
130.75	136.20	5.45	2we	Grey Zone 1 - Dark Grey Zone	226.30	226.60	0.30	2.84
136.20	178.30	42.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow	243.60	244.00	0.40	2.98
178.30	179.70	1.40	2we	Grey Zone 1 - Dark Grey Zone	264.20	265.20	1.00	2.68
179.70	190.20	10.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow	486.80	487.40	0.60	2.31
190.20	479.00	288.80		End of Diamond Drill Log				
479.00								

Diamond Drill Hole Number: BC08-020**East:** 486857.79**North:** 5377246.34**Elevation:** 285.82**Azimuth:** 178**Dip:** -50**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5682.95**North:** 4834.14**Elevation:** 2285.82

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	15.00	15.00	ob	Casing/Overburden				
15.00	53.95	38.95	2w	Altered Mafic Metavolcanic Rock Unit	No assay results equal to or greater than one gram per tonne Au			
53.95	77.75	23.80	6n	Metasedimentary Rock Unit - graphitic argillite				
77.75	95.55	17.80	6n	Metasedimentary Rock Unit - graphitic argillite				
95.55	291.40	195.85	6g	Metasedimentary Rock Unit - greywacke/argillite				
291.40	293.05	1.65	6n	Metasedimentary Rock Unit - graphitic argillite				
293.05	365.70	72.65	2a	Mafic Metavolcanic Rock Unit - massive flow				
365.70	419.00	53.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
419.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-021**East:** 486892.07**North:** 5377535.09**Elevation:** 284.49**Azimuth:** 004**Dip:** -72**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5716.59**North:** 5123.05**Elevation:** 2284.49

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	13.00	13.00	ob	Casing/Overburden					
13.00	129.95	116.95	2a	Mafic Metavolcanic Rock Unit - massive flow		151.50	152.50	1.00	1.52
129.95	140.90	10.95	2e	Mafic Metavolcanic Rock Unit - flow top breccia	Includes	157.50	159.10	1.60	1.82
140.90	179.90	39.00	2wa	Grey Zone 2 - Light Grey Zone	And	160.00	163.00	3.00	2.04
179.90	217.40	37.50	2a	Mafic Metavolcanic Rock Unit - massive flow	And	164.50	165.50	1.00	2.17
217.40				End of Diamond Drill Log		173.50	174.00	0.50	5.48
						193.80	194.70	0.90	3.55

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC08-023

East: 487,218.88
 North: 5,377,516.27
 Elevation: 284.21

Azimuth: 004
 Dip: -74
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.56
 North: 5104.52
 Elevation: 2284.21

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	24.50	24.50	ob	Casing/Overburden					
24.50	78.00	53.50	2a	Mafic Metavolcanic Rock Unit - massive flow		383.60	384.20	0.60	2.36
78.00	113.65	35.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow		535.85	538.05	2.20	2.29
113.65	123.35	9.70	2we	Grey Zone 1 - Dark Grey Zone		612.10	617.80	5.70	2.78
123.35	152.30	28.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Includes	612.60	613.50	0.90	4.16
152.30	193.80	41.50	2a	Mafic Metavolcanic Rock Unit - massive flow	And	615.80	617.80	2.00	4.46
193.80	336.40	142.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
336.40	342.20	5.80	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
342.20	428.35	86.15	2a	Mafic Metavolcanic Rock Unit - massive flow					
428.35	454.70	26.35	2w	Altered Mafic Metavolcanic Rock Unit					
454.70	461.60	6.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
461.60	465.80	4.20	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow					
465.80	496.15	30.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
496.15	501.05	4.90	2a	Mafic Metavolcanic Rock Unit - massive flow					
501.05	512.55	11.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
512.55	516.45	3.90	2w	Altered Mafic Metavolcanic Rock Unit					
516.45	555.30	38.85	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
555.30	600.90	45.60	2a	Mafic Metavolcanic Rock Unit - massive flow					
600.90	611.60	10.70	2w	Altered Mafic Metavolcanic Rock Unit					
611.60	619.00	7.40	2wa	Grey Zone 2 - Light Grey Zone					
619.00	900.25	281.25	6n	Metasedimentary Rock Unit - graphitic argillite					
900.25	1058.80	158.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
1058.80	1077.85	19.05	2a	Mafic Metavolcanic Rock Unit - massive flow					
1077.85	1121.00	43.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
1121.00				End of Diamond Drill Log					

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC08-023A

East: 487,218.88
 North: 5,377,516.27
 Elevation: 284.21

Azimuth: 004
 Dip: -74
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.56
 North: 5104.52
 Elevation: 2284.21

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
400.00	437.35	37.35	2a	Mafic Metavolcanic Rock Unit - massive flow				
437.35	465.40	28.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
465.40	506.40	41.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	503.50	504.25	0.75	3.39
506.40	508.25	1.85	2a	Mafic Metavolcanic Rock Unit - massive flow	537.05	537.55	0.50	2.07
508.25	512.40	4.15	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	612.40	613.00	0.60	10.40
512.40	529.65	17.25	2w	Altered Mafic Metavolcanic Rock Unit	615.90	620.65	4.75	3.29
529.65	535.00	5.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
535.00	528.05	-6.95	2wa	Grey Zone 2 - Light Grey Zone				
528.05	551.60	23.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
551.60	593.70	42.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
593.70	612.40	18.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
612.40	621.10	8.70	2wa	Grey Zone 2 - Light Grey Zone				
621.10	684.25	63.15	6n	Metasedimentary Rock Unit - graphitic argillite				
684.25				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-023B

East: 487,218.88
North: 5,377,516.27
Elevation: 284.21

Azimuth: 004
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.56
North: 5104.52
Elevation: 2284.21

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
453.00	455.40	2.40	2w	Altered Mafic Metavolcanic Rock Unit				
455.40	462.95	7.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
462.95	492.10	29.15	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
492.10	524.90	32.80	2w	Altered Mafic Metavolcanic Rock Unit	506.80	507.10	0.30	1.87
524.90	542.70	17.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	514.10	514.60	0.50	1.31
542.70	552.25	9.55	2e	Mafic Metavolcanic Rock Unit - flow top breccia	516.60	517.60	1.00	2.45
552.25	601.00	48.75	2a	Mafic Metavolcanic Rock Unit - massive flow	530.00	531.00	1.00	2.78
601.00	608.10	7.10	2w	Altered Mafic Metavolcanic Rock Unit	548.20	549.70	1.50	3.28
608.10	617.75	9.65	2wa	Grey Zone 2 - Light Grey Zone	609.50	610.50	1.00	1.09
617.75	675.50	57.75	6n	Metasedimentary Rock Unit - graphitic argillite	614.75	615.05	0.30	1.46
675.50				End of Diamond Drill Log	616.35	617.75	1.40	2.40

Diamond Drill Hole Number: BC08-023C

East: 487,218.88
North: 5,377,516.27
Elevation: 284.21

Azimuth: 004
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.56
North: 5104.52
Elevation: 2284.21

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
345.00	419.70	74.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
419.70	424.00	4.30	2wa	Grey Zone 2 - Light Grey Zone				
424.00	441.80	17.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
441.80	453.30	11.50	2w	Altered Mafic Metavolcanic Rock Unit				
453.30	458.60	5.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
458.60	465.30	6.70	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
465.30	549.60	84.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	533.00	533.35	0.35	1.32
549.60	557.90	8.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
557.90	571.65	13.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
571.65	605.60	33.95	2ad	Mafic Metavolcanic Rock Unit - massive flow				
605.60	615.50	9.90	2w	Altered Mafic Metavolcanic Rock Unit				
615.50	617.95	2.45	2we	Grey Zone 1 - Dark Grey Zone	615.60	617.60	2.00	1.64
617.95	625.85	7.90	6n	Metasedimentary Rock Unit - graphitic argillite				
625.85				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-023D

East: 487,218.88
North: 5,377,516.27
Elevation: 284.21

Azimuth: 004
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.56
North: 5104.52
Elevation: 2284.21

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
378.00	428.45	50.45	2a	Mafic Metavolcanic Rock Unit - massive flow	388.55	389.00	0.45	10.50
428.45	446.85	18.40	2w	Altered Mafic Metavolcanic Rock Unit	424.70	425.70	1.00	3.09
446.85	454.60	7.75	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
454.60	494.20	39.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
494.20	511.60	17.40	2w	Altered Mafic Metavolcanic Rock Unit				
511.60	544.25	32.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	533.30	535.00	1.70	4.78
544.25				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-024

East: 486892.07 **Azimuth:** 004
North: 5377535.37 **Dip:** -65
Elevation: 284.49 **UTM Coordinates:** NAD 83, Zone 17

Field Grid Coordinate:

East: 5716.59
North: 5123.33
Elevation: 2284.49

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	17.00	17.00	ob	Casing/Overburden					
17.00	116.25	99.25	2a	Mafic Metavolcanic Rock Unit - massive flow					
116.25	135.85	19.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
135.85	142.50	6.65	2e	Mafic Metavolcanic Rock Unit - flow top breccia		141.50	151.05	9.55	1.53
142.50	184.70	42.20	2wa	Grey Zone 2 - Light Grey Zone	Includes	141.50	143.40	1.90	4.81
184.70	307.70	123.00	2a	Mafic Metavolcanic Rock Unit - massive flow	And	147.40	151.05	3.65	1.46
307.70	349.25	41.55	2e	Mafic Metavolcanic Rock Unit - flow top breccia	And	150.15	151.05	0.90	4.77
349.25	391.70	42.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		152.55	152.85	0.30	1.14
391.70	431.25	39.55	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow		158.20	158.75	0.55	3.81
431.25	504.15	72.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		168.30	170.00	1.70	1.17
504.15	510.95	6.80	2e	Mafic Metavolcanic Rock Unit - flow top breccia		171.45	172.00	0.55	1.54
510.95	513.60	2.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		183.40	183.80	0.40	2.74
513.60	553.70	40.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
553.70	583.60	29.90	1	Ultramafic Metavolcanic Rock Unit					
583.60	613.85	30.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
613.85	654.20	40.35	2c	Mafic Metavolcanic Rock Unit - variolitic flow					
654.20	725.40	71.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
725.40	759.00	33.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
759.00	771.60	12.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
771.60	785.30	13.70	2we	Grey Zone 1 - Dark Grey Zone		756.00	757.00	1.00	2.67
785.30	795.50	10.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow		771.60	783.50	11.90	3.78
795.50	797.70	2.20	6n	Metasedimentary Rock Unit - graphitic argillite	Includes	771.60	772.00	0.40	10.13
797.70	808.50	10.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow	And	774.50	780.50	6.00	5.89
808.50	970.70	162.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow	Of Which	778.90	779.40	0.50	46.62
970.70	1035.65	64.95	2e	Mafic Metavolcanic Rock Unit - flow top breccia		794.50	795.50	1.00	1.46
1035.65	1065.00	29.35	2c	Mafic Metavolcanic Rock Unit - variolitic flow		797.00	797.40	0.40	1.17
1065.00	1066.20	1.20	15f	Quartz Carbonate Vein					
1066.20	1072.00	5.80	6n	Metasedimentary Rock Unit - graphitic argillite					
1072.00	1088.65	16.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
1088.65	1127.50	38.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
1127.50	1130.30	2.80	2we	Grey Zone 1 - Dark Grey Zone					
1130.30	1182.00	51.70	2a	Mafic Metavolcanic Rock Unit - massive flow					
1182.00	1194.80	12.80	1	Ultramafic Metavolcanic Rock Unit					
1194.80	1207.50	12.70	15f	Quartz Carbonate Vein		1200.50	1201.00	0.50	1.05
1207.50	1225.65	18.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow		1206.50	1207.50	1.00	1.53
1225.65	1307.10	81.45	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
1307.10	1330.90	23.80	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
1330.90	1432.25	101.35	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
1432.25				End of Diamond Drill Log					

Diamond Drill Hole Number: BC08-024A**East:** 486892.07**North:** 5377535.37**Elevation:** 284.49**Azimuth:** 004**Dip:** -65**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5716.59**North:** 5123.33**Elevation:** 2284.49

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
555.00	564.20	9.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
564.20	611.55	47.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
611.55	649.50	37.95	2c	Mafic Metavolcanic Rock Unit - variolitic flow		640.60	641.60	1.00	2.59
649.50	737.30	87.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow		723.85	725.00	1.15	2.19
737.30	767.50	30.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow		737.30	738.75	1.45	1.38
767.50	773.00	5.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia		743.50	747.50	4.00	2.00
773.00	773.55	0.55	6n	Metasedimentary Rock Unit - graphitic argillite	Of Which	743.50	744.50	1.00	1.99
773.55	785.30	11.75	2n	Mafic Metavolcanic Rock Unit - pillowed flow	And	746.00	747.50	1.50	3.82
785.30	899.00	113.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow		755.60	756.60	1.00	7.86
899.00				End of Diamond Drill Log	Which Includes	756.10	756.60	0.50	14.00
						763.00	767.50	4.50	1.34

Diamond Drill Hole Number: BC08-024B**East:** 486892.07**North:** 5377535.37**Elevation:** 284.49**Azimuth:** 004**Dip:** -65**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5716.59**North:** 5123.33**Elevation:** 2284.49

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
545.00	557.00	12.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
557.00	574.85	17.85	1	Ultramafic Metavolcanic Rock Unit				
574.85	640.00	65.15	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
640.00	644.50	4.50	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	642.50	643.50	1.00	1.05
644.50	651.45	6.95	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	748.45	749.70	1.25	1.46
651.45	719.95	68.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow	762.50	763.50	1.00	2.98
719.95	761.90	41.95	2e	Mafic Metavolcanic Rock Unit - flow top breccia	766.50	767.00	0.50	1.78
761.90	790.50	28.60	2we	Grey Zone 1 - Dark Grey Zone	768.50	775.90	7.40	5.04
790.50	794.65	4.15	6n	Metasedimentary Rock Unit - graphitic argillite				
794.65	806.95	12.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
806.95	851.00	44.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
851.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-025

East: 487218.77
 North: 5377528.63
 Elevation: 284.22

Azimuth: 270
 Dip: -70
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.44
 North: 5116.89
 Elevation: 2284.22

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	25.00	25.00	ob	Casing/Overburden				
25.00	77.80	52.80	2a	Mafic Metavolcanic Rock Unit - massive flow	No assay results equal to or greater than one gram per tonne Au			
77.80	91.70	13.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
91.70	105.00	13.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
105.00	128.00	23.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
128.00	136.00	8.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
136.00	146.40	10.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
146.40	155.00	8.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
155.00	158.70	3.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
158.70	169.30	10.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
169.30	218.60	49.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
218.60	226.15	7.55	2we	Grey Zone 1 - Dark Grey Zone				
226.15	235.60	9.45	2a	Mafic Metavolcanic Rock Unit - massive flow				
235.60	244.40	8.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
244.40	285.40	41.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
285.40	286.70	1.30	2we	Grey Zone 1 - Dark Grey Zone				
286.70	328.20	41.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
328.20	330.00	1.80	2we	Grey Zone 1 - Dark Grey Zone				
330.00	331.30	1.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
331.30	333.50	2.20	2we	Grey Zone 1 - Dark Grey Zone				
333.50	422.00	88.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
422.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-026

East: 487218.35
 North: 5377528.63
 Elevation: 284.19

Azimuth: 270
 Dip: -55
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6043.02
 North: 5116.89
 Elevation: 2281.19

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	26.00	26.00	ob	Casing/Overburden				
26.00	71.00	45.00	2a	Mafic Metavolcanic Rock Unit - massive flow	No assay results equal to or greater than one gram per tonne Au			
71.00	75.20	4.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
75.20	82.80	7.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
82.80	122.00	39.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
122.00	124.10	2.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
124.10	129.10	5.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
129.10	130.70	1.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
130.70	152.90	22.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
152.90	162.80	9.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
162.80	185.40	22.60	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
185.40	189.00	3.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
189.00	225.40	36.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
225.40	245.80	20.40	6n	Metasedimentary Rock Unit - graphitic argillite				
245.80	251.00	5.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
251.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-028**East:** 486889.84**North:** 5377575.7**Elevation:** 286.26**Azimuth:** 350**Dip:** -55**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5714.31**North:** 5163.67**Elevation:** 2286.26

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	5.90	5.90	ob	Casing/Overburden				
5.90	51.75	45.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow	No assay results equal to or greater than one gram per tonne Au			
51.75	58.75	7.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
58.75	81.90	23.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
81.90	87.15	5.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
87.15	149.70	62.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
149.70	201.00	51.30	2a	Mafic Metavolcanic Rock Unit - massive flow	Not all sample analysis has been returned from lab			
201.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-029**East:** 4486860.29**North:** 5377535.91**Elevation:** 285.35**Azimuth:** 002**Dip:** -68**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5684.79**North:** 5123.83**Elevation:** 2285.35

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	16.30	16.30	ob	Casing/Overburden				
16.30	86.20	69.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
86.20	116.05	29.85	2e	Mafic Metavolcanic Rock Unit - flow top breccia	107.00	107.30	0.30	1.13
116.05	124.70	8.65	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
124.70	149.30	24.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
149.30	167.75	18.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow	152.00	153.00	1.00	2.50
167.75	198.10	30.35	2a	Mafic Metavolcanic Rock Unit - massive flow				
198.10	202.75	4.65	2wa	Grey Zone 2 - Light Grey Zone				
202.75	222.45	19.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
222.45	289.00	66.55	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
289.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-030**East:** 486860.29**North:** 5377536.9**Elevation:** 285.35**Azimuth:** 002**Dip:** -50**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5684.79**North:** 5124.82**Elevation:** 2285.35

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	15.40	15.40	ob	Casing/Overburden				
15.40	56.25	40.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
56.25	62.20	5.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
62.20	70.50	8.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
70.50	119.80	49.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow	99.60	100.15	0.55	5.61
119.80	245.00	125.20	2a	Mafic Metavolcanic Rock Unit - massive flow	107.25	107.75	0.50	2.83
245.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-031**East:** 486830.45**North:** 5377535.55**Elevation:** 286.49**Azimuth:** 004**Dip:** -50**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5654.94**North:** 5123.45**Elevation:** 2286.49

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	14.95	14.95	ob	Casing/Overburden				
14.95	79.05	64.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
79.05	94.30	15.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
94.30	106.75	12.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
106.75	200.00	93.25	2a	Mafic Metavolcanic Rock Unit - massive flow	156.80	157.30	0.50	1.21
200.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-032

East: 486950.14
 North: 5377495.85
 Elevation: 283.75

Azimuth: 004
 Dip: -70
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5774.72
 North: 5083.84
 Elevation: 2283.75

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.00	31.00	ob	Casing/Overburden				
31.00	67.40	36.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
67.40	101.10	33.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
101.10	110.00	8.90	1	Ultramafic Metavolcanic Rock Unit				
110.00	113.90	3.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
113.90	115.40	1.50	1	Ultramafic Metavolcanic Rock Unit				
115.40	117.80	2.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
117.80	127.20	9.40	1	Ultramafic Metavolcanic Rock Unit				
127.20	213.20	86.00	2a	Mafic Metavolcanic Rock Unit - massive flow	198.50	198.80	0.30	3.28
213.20	214.50	1.30	2wa	Grey Zone 2 - Light Grey Zone				
214.50	218.60	4.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
218.60	218.90	0.30	15a	Quartz Veins	218.60	218.90	0.30	55.20
218.90	225.30	6.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
225.30	247.10	21.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
247.10	293.40	46.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
293.40	302.00	8.60	2a	Mafic Metavolcanic Rock Unit - massive flow	300.40	300.70	0.30	2.32
302.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC08-033**East:** 486950.14**North:** 5377496.36**Elevation:** 283.75**Azimuth:** 004**Dip:** -55**UTM Coordinates:** NAD 83, Zone 17**Field Grid Coordinate:****East:** 5774.72**North:** 5084.35**Elevation:** 2283.75

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	46.00	46.00	ob	Casing/Overburden				
46.00	74.90	28.90	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
74.90	86.40	11.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
86.40	91.10	4.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
91.10	156.70	65.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
156.70	165.50	8.80	2a	Mafic Metavolcanic Rock Unit - massive flow	156.70	157.20	0.50	1.41
165.50	169.00	3.50	2w	Altered Mafic Metavolcanic Rock Unit	164.20	164.50	0.30	1.16
169.00	195.80	26.80	2w	Altered Mafic Metavolcanic Rock Unit	172.40	172.70	0.30	1.65
195.80	251.00	55.20	2a	Mafic Metavolcanic Rock Unit - massive flow	175.30	176.50	1.20	1.63
251.00				End of Diamond Drill Log	186.70	187.00	0.30	2.81
					189.70	190.50	0.80	1.26
					192.90	193.20	0.30	1.09
					206.60	207.60	1.00	4.08

Diamond Drill Hole Number: BC09-001

East: 487211.4
North: 5377390.35
Elevation: 283.49

Azimuth: 270
Dip: -50
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6036.93
North: 4979.50
Elevation: 2283.49

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	15.00	15.00	ob	Casing/Overburden				
15.00	17.70	2.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
17.70	23.20	5.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
23.20	26.50	3.30	2w	Altered Mafic Metavolcanic Rock Unit				
26.50	40.40	13.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
40.40	41.80	1.40	15f	Quartz Carbonate Vein				
41.80	43.80	2.00	2w	Altered Mafic Metavolcanic Rock Unit				
43.80	51.60	7.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
51.60	61.20	9.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
61.20	75.70	14.50	2w	Altered Mafic Metavolcanic Rock Unit				
75.70	80.70	5.00	LC	Lost Core				
80.70	103.70	23.00	6n	Metasedimentary Rock Unit - graphitic argillite				
103.70	116.50	12.80	2w	Altered Mafic Metavolcanic Rock Unit				
116.50	118.50	2.00	6n	Metasedimentary Rock Unit - graphitic argillite				
118.50	138.70	20.20	2w	Altered Mafic Metavolcanic Rock Unit				
138.70	147.50	8.80	6n	Metasedimentary Rock Unit - graphitic argillite				
147.50	196.30	48.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
196.30	225.00	28.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
225.00	227.20	2.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
227.20	228.20	1.00	2we	Grey Zone 1 - Dark Grey Zone	227.20	228.20	1.00	1.78
228.20	232.40	4.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
232.40	233.80	1.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
233.80	235.40	1.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
235.40	250.40	15.00	2a	Mafic Metavolcanic Rock Unit - massive flow	244.90	245.30	0.40	1.57
250.40	268.10	17.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
268.10	269.10	1.00	11a	Metamorphosed Intrusive Unit - feldspar porphyry				
269.10	279.80	10.70	1	Ultramafic Metavolcanic Rock Unit				
279.80	300.00	20.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
300.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-002

East: 486,975.68
 North: 5,377,519.38
 Elevation: 283.68

Azimuth: 004
 Dip: -73
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5800.88
 North: 5108.18
 Elevation: 2283.68

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	21.30	21.30	ob	Casing/Overburden				
21.30	124.00	102.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
124.00	204.75	80.75	2a	Mafic Metavolcanic Rock Unit - massive flow				
204.75	228.40	23.65	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
228.40	436.80	208.40	2a	Mafic Metavolcanic Rock Unit - massive flow	253.85	254.50	0.65	2.79
436.80	457.10	20.30	2e	Mafic Metavolcanic Rock Unit - flow top breccia	277.60	278.30	0.70	1.08
457.10	484.50	27.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	279.05	279.65	0.60	1.45
484.50	494.55	10.05	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	680.80	681.20	0.40	1.40
494.55	576.20	81.65	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	683.90	684.65	0.75	3.48
576.20	590.45	14.25	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow	693.00	693.80	0.80	1.53
590.45	672.50	82.05	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
672.50	683.40	10.90	2we	Grey Zone 1 - Dark Grey Zone				
683.40	708.10	24.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
708.10	740.65	32.55	2a	Mafic Metavolcanic Rock Unit - massive flow	707.10	707.60	0.50	8.04
740.65	756.75	16.10	2wa	Grey Zone 2 - Light Grey Zone	736.90	749.55	12.65	4.30
756.75	764.60	7.85	2a	Mafic Metavolcanic Rock Unit - massive flow	752.55	753.05	0.50	3.27
764.60	782.50	17.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow	779.60	780.60	1.00	1.13
782.50	824.75	42.25	2a	Mafic Metavolcanic Rock Unit - massive flow	793.90	796.30	2.40	3.67
824.75	837.10	12.35	2a	Mafic Metavolcanic Rock Unit - massive flow	799.30	799.80	0.50	1.05
837.10	840.80	3.70	6n	Metasedimentary Rock Unit - graphitic argillite				
840.80	844.20	3.40	2we	Grey Zone 1 - Dark Grey Zone				
844.20	859.50	15.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
859.50	894.35	34.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
894.35	895.90	1.55	6n	Metasedimentary Rock Unit - graphitic argillite				
895.90	906.90	11.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
906.90	912.00	5.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
912.00				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-002A

East: 486,975.68
North: 5,377,519.38
Elevation: 283.68

Azimuth: 004
Dip: -73
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5800.88
North: 5108.18
Elevation: 2283.68

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
399.00	434.35		2a	Mafic Metavolcanic Rock Unit - massive flow		652.70	652.70	2.65	2.23
434.35	455.70		2e	Mafic Metavolcanic Rock Unit - flow top breccia		669.85	674.60	4.75	1.89
455.70	481.60		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	Includes	703.25	706.75	3.50	9.43
481.60	488.15		1	Ultramafic Metavolcanic Rock Unit	And	673.75	674.05	0.30	5.04
488.15	529.70		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		703.25	711.90	8.65	1.86
529.70	534.80		1	Ultramafic Metavolcanic Rock Unit	Includes	703.25	706.75	3.50	2.24
534.80	554.95		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	Of Which	704.25	705.25	1.00	4.66
554.95	568.00		1	Ultramafic Metavolcanic Rock Unit	And	710.95	711.90	0.95	7.38
568.00	650.60		2e	Mafic Metavolcanic Rock Unit - flow top breccia	Of Which	711.45	711.90	0.45	12.25
650.60	675.95		2we	Grey Zone 1 - Dark Grey Zone		719.50	736.00	16.50	2.61
675.95	701.05		2w	Altered Mafic Metavolcanic Rock Unit	Of Which	720.00	721.40	1.40	7.08
701.05	739.80		2n	Mafic Metavolcanic Rock Unit - pillowed flow	And	726.20	728.10	1.90	8.71
739.80	770.00		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	Includes	727.10	728.10	1.00	12.40
770.00				End of Diamond Drill Log	And	726.20	726.60	0.40	9.51
						750.40	750.80	0.40	1.41

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-003

East: 487,216.38
North: 5,377,377.52
Elevation: 284.13

Azimuth: 004.8
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6041.94
North: 4966.67
Elevation: 2284.13

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	12.85	12.85	ob	Casing/Overburden				
12.85	67.30	54.45	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
67.30	94.10	26.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
94.10	106.15	12.05	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
106.15	138.30	32.15	6n	Metasedimentary Rock Unit - graphitic argillite				
138.30	157.40	19.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
157.40	196.00	38.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
196.00	242.00	46.00	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
242.00	292.40	50.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
292.40	312.40	20.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
312.40	321.25	8.85	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
321.25	334.80	13.55	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
334.80	375.60	40.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
375.60	388.60	13.00	2we	Grey Zone 1 - Dark Grey Zone				
388.60	427.80	39.20	2ad	Mafic Metavolcanic Rock Unit - massive flow				
427.80	454.80	27.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
454.80	523.10	68.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
523.10	553.45	30.35	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
553.45	633.60	80.15	2a	Mafic Metavolcanic Rock Unit - massive flow				
633.60	639.95	6.35	2we	Grey Zone 1 - Dark Grey Zone	633.60	634.60	1.00	1.29
639.95	649.20	9.25	2c	Mafic Metavolcanic Rock Unit - variolitic flow	726.00	737.40	5.00	1.38
649.20	668.90	19.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	755.80	762.15	6.35	1.84
668.90	736.40	67.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	760.65	761.45	0.80	9.42
736.40	741.60	5.20	2we	Grey Zone 1 - Dark Grey Zone	762.65	763.65	1.00	1.56
741.60	787.90	46.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	766.40	767.40	1.00	1.82
787.90	797.35	9.45	15f	Quartz Carbonate Vein	780.30	789.10	8.80	1.70
797.35	802.85	5.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	787.90	789.10	1.20	4.94
802.85	808.25	5.40	6n	Metasedimentary Rock Unit - graphitic argillite	793.20	795.60	2.40	2.77
808.25	811.90	3.65	2wa	Grey Zone 2 - Light Grey Zone	797.35	800.35	3.00	1.21
811.90	872.10	60.20	2w	Altered Mafic Metavolcanic Rock Unit	849.40	850.45	1.05	1.55
872.10	885.40	13.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	899.65	900.65	1.00	2.58
885.40	894.65	9.25	2we	Grey Zone 1 - Dark Grey Zone	903.65	904.65	1.00	1.02
894.65	924.00	29.35	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	907.90	909.40	1.50	1.53
924.00	932.10	8.10	2w	Altered Mafic Metavolcanic Rock Unit	964.10	964.85	0.75	1.01
932.10	955.85	23.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
955.85	967.10	11.25	2we	Grey Zone 1 - Dark Grey Zone				
967.10	1005.40	38.30	2w	Altered Mafic Metavolcanic Rock Unit				
1005.40	1020.55	15.15	2n	Mafic Metavolcanic Rock Unit - pillowed flow				

Of Which

Of Which

Diamond Drill Hole Number: BC09-003

East: 487,216.38
North: 5,377,377.52
Elevation: 284.13

Azimuth: 004.8
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6041.94
North: 4966.67
Elevation: 2284.13

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
1020.55	1080.50	59.95	2a	Mafic Metavolcanic Rock Unit - massive flow				
1080.50	1086.85	6.35	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
1086.85	1101.75	14.90	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
1101.75	1107.10	5.35	2w	Altered Mafic Metavolcanic Rock Unit				
1107.10	1122.80	15.70	6n	Metasedimentary Rock Unit - graphitic argillite				
1122.80				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-003A

East: 487,216.38
North: 5,377,377.52
Elevation: 284.13

Azimuth: 005
Dip: -74
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6041.94
North: 4966.67
Elevation: 2284.13

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
493.35	519.20	25.85	2a	Mafic Metavolcanic Rock Unit - massive flow				
519.20	549.70	30.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
549.70	621.20	71.50	2a	Mafic Metavolcanic Rock Unit - massive flow	620.20	621.20	1.00	1.20
621.20	628.90	7.70	2we	Grey Zone 1 - Dark Grey Zone	626.90	627.90	1.00	2.83
628.90	645.00	16.10	2c	Mafic Metavolcanic Rock Unit - variolitic flow	719.00	720.50	1.50	2.10
645.00	683.25	38.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	737.05	737.55	0.50	1.90
683.25	723.65	40.40	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
723.65	736.35	12.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
736.35	742.10	5.75	2wa	Grey Zone 2 - Light Grey Zone				
742.10	763.80	21.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	744.25	744.80	0.55	2.12
763.80	781.10	17.30	2a	Mafic Metavolcanic Rock Unit - massive flow	750.30	750.80	0.50	1.61
781.10	791.50	10.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia	781.10	787.05	5.95	7.06
791.50	795.50	4.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	790.50	791.00	0.50	3.41
795.50	814.85	19.35	2w	Altered Mafic Metavolcanic Rock Unit	861.40	866.50	5.10	1.89
814.85	838.90	24.05	2a	Mafic Metavolcanic Rock Unit - massive flow	864.50	866.50	2.00	3.90
838.90	852.70	13.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	888.20	888.70	0.50	1.57
852.70	867.50	14.80	2w	Altered Mafic Metavolcanic Rock Unit				
867.50	884.70	17.20	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
884.70	896.30	11.60	2we	Grey Zone 1 - Dark Grey Zone				
896.30	930.15	33.85	2w	Altered Mafic Metavolcanic Rock Unit	911.00	912.00	1.00	4.03
930.15	944.30	14.15	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
944.30	948.40	4.10	2we	Grey Zone 1 - Dark Grey Zone				
948.40	956.10	7.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
956.10	959.90	3.80	2we	Grey Zone 1 - Dark Grey Zone	956.50	957.10	0.60	1.14
959.90	983.55	23.65	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	959.50	959.90	0.40	2.89
983.55	1001.64	18.09	2a	Mafic Metavolcanic Rock Unit - massive flow				
1001.65				End of Diamond Drill Log				

Includes

Diamond Drill Hole Number: BC09-004

East: 487,264.65
 North: 5,377,666.03
 Elevation: 283.75

Azimuth: 344
 Dip: -60
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6089.72
 North: 5255.38
 Elevation: 2283.75

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	24.00	24.00	ob	Casing/Overburden				
24.00	79.10	55.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
79.10	93.40	14.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
93.40	113.90	20.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
113.90	180.10	66.20	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
180.10	184.40	4.30	2we	Grey Zone 1 - Dark Grey Zone				
184.40	202.10	17.70	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
202.10	206.60	4.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
206.60	213.10	6.50	1	Ultramafic Metavolcanic Rock Unit				
213.10	216.10	3.00	8	Metamorphosed Mafic Dyke				
216.10	218.80	2.70	1	Ultramafic Metavolcanic Rock Unit				
218.80	231.40	12.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
231.40	234.00	2.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	237.00	238.00	1.00	1.02
234.00	244.50	10.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	244.50	246.50	2.00	7.06
244.50	246.50	2.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	245.50	246.00	0.50	14.90
246.50	250.00	3.50	2wa	Grey Zone 2 - Light Grey Zone	250.00	251.00	1.00	2.01
250.00	260.50	10.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	260.50	261.30	0.80	1.57
260.50	261.30	0.80	2wa	Grey Zone 2 - Light Grey Zone				
261.30	300.00	38.70	6n	Metasedimentary Rock Unit - graphitic argillite				
300.00				End of Diamond Drill Log				

Includes

Diamond Drill Hole Number: BC09-005

East: 486,755.52
North: 5,377,471.13
Elevation: 288.60

Azimuth: 360
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5580.70
North: 5059.52
Elevation: 2288.60

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	20.70	20.70	ob	Casing/Overburden				
20.70	60.80	40.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow	29.20	33.60	4.40	1.27
60.80	306.70	245.90	2a	Mafic Metavolcanic Rock Unit - massive flow	36.10	37.10	1.00	1.25
306.70	448.00	141.30	1km	Ultramafic Metavolcanic Rock Unit - komatiitic basalt massive				
448.00	455.20	7.20	2wa	Grey Zone 2 - Light Grey Zone				
455.20	555.70	100.50	1km	Ultramafic Metavolcanic Rock Unit - komatiitic basalt massive				
555.70	672.70	117.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
672.70	783.00	110.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
783.00	855.00	72.00	12a	Metamorphosed Diabase Dyke				
855.00	863.10	8.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
863.10	865.50	2.40	2wa	Grey Zone 2 - Light Grey Zone	863.60	865.50	1.90	8.40
865.50	891.10	25.60	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
891.10	903.00	11.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
903.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-005A

East: 486,755.52
North: 5,377,471.13
Elevation: 288.60

Azimuth: 001
Dip: -72
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5580.70
North: 5059.52
Elevation: 2288.60

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
547.40	556.90	9.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
556.90	644.00	87.10	2a	Mafic Metavolcanic Rock Unit - massive flow				No assay results equal to or greater than one gram per tonne Au
644.00	644.50	0.50	flt	Fault Zone				
644.50	667.00	22.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
667.00	697.90	30.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
697.90	698.40	0.50	15c	Massive White Quartz Vein				
698.40	728.80	30.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
728.80	815.70	86.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
815.70	820.70	5.00	2wa	Grey Zone 2 - Light Grey Zone				
820.70	937.80	117.10	12a	Metamorphosed Diabase Dyke				
937.80	949.00	11.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
949.00				End of Diamond Drill Log				Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-006

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 360
Dip: -80
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5580.00
North: 5560.00
Elevation: 2288.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	11.60	11.60	ob	Casing/Overburden				
11.60	56.15	44.55	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	No assay results equal to or greater than one gram per tonne Au			
56.15	63.60	7.45	2a	Mafic Metavolcanic Rock Unit - massive flow				
63.60	83.80	20.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
83.80	134.00	50.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
134.00	171.10	37.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
171.10	238.80	67.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
238.80	240.80	2.00	15F	Quartz Carbonate Vein				
240.80	274.00	33.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
274.00	307.50	33.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
307.50	313.60	6.10	2w	Altered Mafic Metavolcanic Rock Unit				
313.60	333.10	19.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
333.10	366.10	33.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
366.10	635.50	269.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
635.50	641.40	5.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
641.40	699.90	58.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
699.90	720.20	20.30	1a	Ultramafic Metavolcanic Rock Unit - ultramafic flow				
720.20	780.75	60.55	2a	Mafic Metavolcanic Rock Unit - massive flow				
780.75	792.80	12.05	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
792.80	884.80	92.00	12a	Metamorphosed Diabase Dyke				
884.80	969.00	84.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
969.00				End of Log	Not all sample analysis has been returned from lab			

Diamond Drill Hole Number: BC09-009

East: 487,264.68
North: 5,377,590.44
Elevation: 283.92

Azimuth: 350
Dip: -47
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6089.89
North: 5179.76
Elevation: 2283.92

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	34.00	34.00	ob	Casing/Overburden				
34.00	49.00	15.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
49.00	110.40	61.40	2a	Mafic Metavolcanic Rock Unit - massive flow	108.90	109.40	0.50	6.53
110.40	188.50	78.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
188.50	227.10	38.60	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
227.10	229.70	2.60	2we	Grey Zone 1 - Dark Grey Zone				
229.70	246.20	16.50	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
246.20	249.90	3.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
249.90	267.20	17.30	1	Ultramafic Metavolcanic Rock Unit				
267.20	280.00	12.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
280.00	281.40	1.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
281.40	281.70	0.30	2wa	Grey Zone 2 - Light Grey Zone				
281.70	282.00	0.30	15c	Massive White Quartz Vein	281.40	281.70	0.30	1.61
282.00	285.30	3.30	2we	Grey Zone 1 - Dark Grey Zone				
285.30	294.90	9.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
294.90	295.50	0.60	2wa	Grey Zone 2 - Light Grey Zone				
295.50	402.00	106.50	6n	Metasedimentary Rock Unit - graphitic argillite				
402.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-010

East: 487,264.81
North: 5,377,589.54
Elevation: 283.97

Azimuth: 350
Dip: -62
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6090.02
North: 5178.86
Elevation: 2283.97

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)	
0.00	27.00	27.00	ob	Casing/Overburden					
27.00	42.40	15.40	FLTZN	Fault Zone					
42.40	53.20	10.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
53.20	94.60	41.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
94.60	100.80	6.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
100.80	115.80	15.00	2a	Mafic Metavolcanic Rock Unit - massive flow					
115.80	116.40	0.60	15f	Quartz Carbonate Vein					
116.40	120.00	3.60	2a	Mafic Metavolcanic Rock Unit - massive flow					
120.00	158.00	38.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
158.00	159.60	1.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
159.60	198.00	38.40	2a	Mafic Metavolcanic Rock Unit - massive flow					
198.00	218.60	20.60	2a	Mafic Metavolcanic Rock Unit - massive flow					
218.60	234.40	15.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
234.40	238.30	3.90	2we	Grey Zone 1 - Dark Grey Zone	237.30	239.20	1.90	3.66	
238.30	239.20	0.90	15a	Quartz Veins	Of Which	238.70	239.20	0.50	9.59
239.20	243.20	4.00	2we	Grey Zone 1 - Dark Grey Zone		302.80	303.50	0.70	1.97
243.20	258.20	15.00	2a	Mafic Metavolcanic Rock Unit - massive flow		357.90	366.40	8.50	1.85
258.20	300.30	42.10	2c	Mafic Metavolcanic Rock Unit - variolitic flow		369.20	370.20	1.00	1.23
300.30	300.50	0.20	2we	Grey Zone 1 - Dark Grey Zone		372.40	372.80	0.40	1.07
300.50	324.50	24.00	2c	Mafic Metavolcanic Rock Unit - variolitic flow		416.70	418.10	1.40	2.07
324.50	343.60	19.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
343.60	357.90	14.30	2we	Grey Zone 1 - Dark Grey Zone					
357.90	376.60	18.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
376.60	381.10	4.50	2we	Grey Zone 1 - Dark Grey Zone					
381.10	396.40	15.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
396.40	409.20	12.80	2a	Mafic Metavolcanic Rock Unit - massive flow					
409.20	418.10	8.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
418.10	423.20	5.10	2we	Grey Zone 1 - Dark Grey Zone					
423.20	438.30	15.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
438.30	438.80	0.50	2we	Grey Zone 1 - Dark Grey Zone					
438.80	446.60	7.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
446.60	448.10	1.50	2we	Grey Zone 1 - Dark Grey Zone					
448.10	449.80	1.70	2we	Grey Zone 1 - Dark Grey Zone					
449.80	455.70	5.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
455.70	457.60	1.90	2we	Grey Zone 1 - Dark Grey Zone					
457.60	474.00	16.40	6n	Metasedimentary Rock Unit - graphitic argillite					
474.00				End of Diamond Drill Log					

Diamond Drill Hole Number: BC09-012

East: 486,976.03
North: 5,377,519.24
Elevation: 283.55

Azimuth: 017
Dip: -73
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5801.23
North: 5108.04
Elevation: 2283.55

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	21.70	21.70	ob	Casing/Overburden				
21.70	68.00	46.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
68.00	74.00	6.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
74.00	98.20	24.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
98.20	103.80	5.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
103.80	110.70	6.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
110.70	134.80	24.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
134.80	159.80	25.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
159.80	222.30	62.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
222.30	241.40	19.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
241.40	433.00	191.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
433.00	438.00	5.00	2w	Altered Mafic Metavolcanic Rock Unit				
438.00	442.60	4.60	2a	Mafic Metavolcanic Rock Unit - massive flow				
442.60	463.50	20.90	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
463.50	466.00	2.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
466.00	561.50	95.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
561.50	568.30	6.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
568.30	569.70	1.40	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
569.70	578.80	9.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
578.80	589.00	10.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
589.00	596.90	7.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
596.90	620.80	23.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
620.80	622.00	1.20	2w	Altered Mafic Metavolcanic Rock Unit				
622.00	653.30	31.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
653.30	664.60	11.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
664.60	687.40	22.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
687.40	688.90	1.50	2w	Altered Mafic Metavolcanic Rock Unit				
688.90	713.80	24.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
713.80	731.20	17.40	2w	Altered Mafic Metavolcanic Rock Unit	713.80	714.10	0.30	4.86
731.20	737.50	6.30	2a	Mafic Metavolcanic Rock Unit - massive flow	721.90	750.10	22.10	2.64
737.50	742.50	5.00	2w	Altered Mafic Metavolcanic Rock Unit	Includes 721.90	730.40	8.50	5.18
742.50	746.90	4.40	2a	Mafic Metavolcanic Rock Unit - massive flow	And 739.30	745.00	5.70	1.28
746.90	749.10	2.20	2w	Altered Mafic Metavolcanic Rock Unit	And 748.30	750.10	1.80	2.92
749.10	779.80	30.70	2a	Mafic Metavolcanic Rock Unit - massive flow	779.80	781.40	1.60	6.20
779.80	781.40	1.60	2w	Altered Mafic Metavolcanic Rock Unit	Includes 780.40	780.80	0.40	11.15
781.40	786.50	5.10	2a	Mafic Metavolcanic Rock Unit - massive flow	787.30	787.90	0.60	1.40
786.50	792.70	6.20	6n	Metasedimentary Rock Unit - graphitic argillite	792.00	794.90	2.90	11.15
792.70	864.50	71.80	2a	Mafic Metavolcanic Rock Unit - massive flow	Includes 792.00	792.70	0.70	24.40
864.50	876.00	11.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
876.00				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-013

East: 486,524.75
 North: 5,377,578.77
 Elevation: 295.08

Azimuth: 005
 Dip: -67
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5349.64
 North: 5166.81
 Elevation: 2295.08

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	5.00	5.00	ob	Casing/Overburden				
5.00	155.40	150.40	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
155.40	187.60	32.20	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
187.60	290.20	102.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
290.20	303.00	12.80	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
303.00	336.50	33.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
336.50	359.90	23.40	2a	Mafic Metavolcanic Rock Unit - massive flow	336.20	336.50	0.30	1.34
359.90	362.10	2.20	2we	Grey Zone 1 - Dark Grey Zone	365.20	365.50	0.30	1.29
362.10	385.50	23.40	2a	Mafic Metavolcanic Rock Unit - massive flow	380.10	383.40	3.30	1.45
385.50	386.50	1.00	15a	Quartz Veins	385.50	386.50	1.00	2.11
386.50	408.50	22.00	2a	Mafic Metavolcanic Rock Unit - massive flow	389.00	390.10	1.10	1.50
408.50	449.70	41.20	2a	Mafic Metavolcanic Rock Unit - massive flow				
449.70	453.20	3.50	2we	Grey Zone 1 - Dark Grey Zone	451.80	452.30	0.50	1.44
453.20	473.00	19.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
473.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-014

East: 486,580.78
North: 5,377,691.72
Elevation: 294.27

Azimuth: 005
Dip: -53
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5405.50
North: 5279.92
Elevation: 2294.27

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	7.00	7.00	ob	Casing/Overburden				
7.00	161.60	154.60	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
161.60	226.00	64.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
226.00	244.50	18.50	2a	Mafic Metavolcanic Rock Unit - massive flow				
244.50	256.30	11.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
256.30	280.60	24.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
280.60	302.90	22.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
302.90	308.90	6.00	1	Ultramafic Metavolcanic Rock Unit				
308.90	336.60	27.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
336.60	337.30	0.70	12a	Metamorphosed Diabase Dyke				
337.30	347.70	10.40	1	Ultramafic Metavolcanic Rock Unit				
347.70	359.00	11.30	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
359.00	365.00	6.00	1	Ultramafic Metavolcanic Rock Unit				
365.00	404.00	39.00	2a	Mafic Metavolcanic Rock Unit - massive flow	389.00	389.90	0.90	1.97
404.00	410.40	6.40	2we	Grey Zone 1 - Dark Grey Zone	404.00	404.50	0.50	1.08
410.40	417.50	7.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
417.50	426.40	8.90	2w	Altered Mafic Metavolcanic Rock Unit	421.20	421.60	0.40	1.81
426.40	437.00	10.60	12a	Metamorphosed Diabase Dyke				
437.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-015

East: 487,169.95
 North: 5,377,610.32
 Elevation: 283.86

Azimuth: 350
 Dip: -63
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5995.08
 North: 5199.49
 Elevation: 2283.86

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	33.00	33.00	ob	Casing/Overburden					
33.00	118.90	85.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
118.90	127.80	8.90	2wa	Grey Zone 2 - Light Grey Zone					
127.80	176.00	48.20	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
176.00	214.20	38.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
214.20	220.10	5.90	2a	Mafic Metavolcanic Rock Unit - massive flow					
220.10	221.60	1.50	2w	Altered Mafic Metavolcanic Rock Unit		220.10	221.60	1.50	4.47
221.60	227.00	5.40	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	Includes	221.10	221.60	0.50	11.10
227.00	243.10	16.10	2a	Mafic Metavolcanic Rock Unit - massive flow		242.60	245.10	2.50	2.48
243.10	245.10	2.00	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
245.10	272.30	27.20	2a	Mafic Metavolcanic Rock Unit - massive flow					
272.30	290.40	18.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
290.40	297.60	7.20	2wa	Grey Zone 2 - Light Grey Zone					
297.60	328.50	30.90	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		312.80	315.00	2.20	6.05
328.50	331.20	2.70	2we	Grey Zone 1 - Dark Grey Zone		324.70	328.50	3.80	1.09
331.20	345.30	14.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt		332.70	333.70	1.00	1.19
345.30	387.30	42.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow		382.60	383.50	0.90	2.23
387.30	468.10	80.80	2e	Mafic Metavolcanic Rock Unit - flow top breccia					
468.10				End of Diamond Drill Log					

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-016

East: 487,169.94
North: 5,377,610.63
Elevation: 283.83

Azimuth: 350
Dip: -57
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5995.07
North: 5199.80
Elevation: 2283.83

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	31.80	31.80	ob	Casing/Overburden				
31.80	111.00	79.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
111.00	113.50	2.50	2w	Altered Mafic Metavolcanic Rock Unit	112.50	112.90	0.40	42.90
113.50	151.40	37.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
151.40	212.20	60.80	2a	Mafic Metavolcanic Rock Unit - massive flow				
212.20	230.10	17.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
230.10	244.00	13.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
244.00	252.20	8.20	2w	Altered Mafic Metavolcanic Rock Unit				
252.20	272.20	20.00	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic				
272.20	281.30	9.10	2wa	Grey Zone 2 - Light Grey Zone	273.40	274.20	0.80	2.64
281.30	288.90	7.60	6g	Metasedimentary Rock Unit - greywacke/argillite				
288.90	297.30	8.40	6n	Metasedimentary Rock Unit - graphitic argillite				
297.30	303.00	5.70	6f	Metasedimentary Rock Unit - greywacke				
303.00	345.00	42.00	2a	Mafic Metavolcanic Rock Unit - massive flow	333.20	333.70	0.50	2.56
345.00	348.00	3.00	2wa	Grey Zone 2 - Light Grey Zone				
348.00	379.10	31.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
379.10	381.90	2.80	2w	Altered Mafic Metavolcanic Rock Unit				
381.90	401.00	19.10	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
401.00	424.30	23.30	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
424.30	428.30	4.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
428.30	434.50	6.20	2wa	Grey Zone 2 - Light Grey Zone				
434.50	441.50	7.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
441.50	474.50	33.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
474.50	484.30	9.80	2wa	Grey Zone 2 - Light Grey Zone	483.60	484.80	1.20	1.67
484.30	489.50	5.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
489.50	495.90	6.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
495.90	499.70	3.80	2w	Altered Mafic Metavolcanic Rock Unit				
499.70				End of Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-017

East: 487,216.12
North: 5,377,377.84
Elevation: 284.16

Azimuth: not available
Dip: not available
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6041.68
North: 4967.00
Elevation: 2284.16

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	11.30	11.30	ob	Casing/Overburden				
11.30	39.10	27.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
39.10	123.50	84.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
123.50	144.60	21.10	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
144.60	160.60	16.00	6n	Metasedimentary Rock Unit - graphitic argillite				
160.60	174.90	14.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
174.90	207.35	32.45	2a	Mafic Metavolcanic Rock Unit - massive flow				
207.35	222.30	14.95	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
222.30	227.45	5.15	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
227.45	253.60	26.15	2a	Mafic Metavolcanic Rock Unit - massive flow				
253.60	266.80	13.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
266.80	298.05	31.25	2a	Mafic Metavolcanic Rock Unit - massive flow				
298.05	300.80	2.75	15c	Quartz Vein				
300.80	341.70	40.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
341.70	316.40	-25.30	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
316.40	372.06	55.66	2a	Mafic Metavolcanic Rock Unit - massive flow				
372.06	378.60	6.54	15c	Quartz Vein				
378.60	413.20	34.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
413.20	430.00	16.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
430.00	485.90	55.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
485.90	504.80	18.90	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
504.80	516.15	11.35	1	Ultramafic Metavolcanic Rock Unit				
516.15	576.90	60.75	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
576.90	664.00	87.10	2a	Mafic Metavolcanic Rock Unit - massive flow				
664.00	664.70	0.70	2w	Altered Mafic Metavolcanic Rock Unit	664.40	664.90	1.50	2.40
664.70	740.50	75.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow	722.80	724.10	1.30	4.62
740.50	744.30	3.80	2w	Altered Mafic Metavolcanic Rock Unit	723.80	724.10	0.30	13.45
744.30	783.00	38.70	2a	Mafic Metavolcanic Rock Unit - massive flow	741.50	743.20	1.70	1.48
783.00	789.70	6.70	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
789.70	796.95	7.25	2we	Grey Zone 1 - Dark Grey Zone	791.70	793.70	2.00	2.00
796.95	800.40	3.45	2w	Altered Mafic Metavolcanic Rock Unit	945.85	948.40	2.55	2.49
800.40	942.50	142.10	2a	Mafic Metavolcanic Rock Unit - massive flow	945.85	946.50	0.65	6.94
942.50	951.75	9.25	2we	Grey Zone 1 - Dark Grey Zone				
951.75	953.00	1.25	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
953.00				End of Log				

Diamond Drill Hole Number: BC09-018

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 001
Dip: -78
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5905.00
North: 5345.00
Elevation: 2285.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	24.00	24.00	ob	Casing/Overburden				
24.00	30.00	6.00	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
30.00	37.65	7.65	2w	Altered Mafic Metavolcanic Rock Unit				
37.65	98.05	60.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
98.05	99.05	1.00	2wa	Grey Zone 2 - Light Grey Zone	98.05	99.05	1.00	3.77
99.05	106.45	7.40	2w	Altered Mafic Metavolcanic Rock Unit	128.00	129.90	1.90	3.29
106.45	133.40	26.95	2n	Mafic Metavolcanic Rock Unit - pillowed flow	206.60	207.15	0.55	1.77
133.40	141.10	7.70	2w	Altered Mafic Metavolcanic Rock Unit				
141.10	150.60	9.50	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
150.60	207.15	56.55	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
207.15	218.80	11.65	2w	Altered Mafic Metavolcanic Rock Unit				
218.80	247.50	28.70	2a	Mafic Metavolcanic Rock Unit - massive flow				
247.50	254.50	7.00	2we	Grey Zone 1 - Dark Grey Zone				
254.50	299.25	44.75	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
299.25	342.65	43.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
342.65	347.70	5.05	2we	Grey Zone 1 - Dark Grey Zone				
347.70	349.90	2.20	2wa	Grey Zone 2 - Light Grey Zone				
349.90	371.50	21.60	2a	Mafic Metavolcanic Rock Unit - massive flow	372.50	373.50	1.00	2.31
371.50	375.50	4.00	2we	Grey Zone 1 - Dark Grey Zone	426.10	426.70	0.60	1.43
375.50	388.25	12.75	2w	Altered Mafic Metavolcanic Rock Unit	434.80	435.80	1.00	1.13
388.25	414.60	26.35	2a	Mafic Metavolcanic Rock Unit - massive flow	438.30	439.30	1.00	5.39
414.60	450.15	35.55	2w	Altered Mafic Metavolcanic Rock Unit				
450.15	457.15	7.00	2we	Grey Zone 1 - Dark Grey Zone	451.15	451.65	0.50	1.81
457.15	475.25	18.10	2w	Altered Mafic Metavolcanic Rock Unit	453.15	455.15	2.00	2.21
475.25	477.70	2.45	6	Metasedimentary Rock Unit	453.15	453.45	0.30	6.64
477.70	512.55	34.85	2a	Mafic Metavolcanic Rock Unit - massive flow	456.20	457.15	0.95	1.66
512.55	518.55	6.00	2we	Grey Zone 1 - Dark Grey Zone	465.60	466.35	0.75	1.09
518.55	529.65	11.10	2w	Altered Mafic Metavolcanic Rock Unit	477.10	477.70	0.60	2.02
529.65	533.25	3.60	6g	Metasedimentary Rock Unit - greywacke/argillite	531.65	532.65	1.00	1.04
533.25	541.35	8.10	6n	Metasedimentary Rock Unit - graphitic argillite				
541.35	567.80	26.45	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
567.80				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-019

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 001
Dip: -68
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 5905.00
North: 5345.00
Elevation: 2284.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	21.00	21.00	ob	Casing/Overburden				
21.00	93.75	72.75	2a	Mafic Metavolcanic Rock Unit - massive flow				
93.75	119.65	25.90	2c	Mafic Metavolcanic Rock Unit - variolitic flow	79.00	79.40	0.40	8.35
119.65	184.90	65.25	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt	170.70	172.20	1.50	1.44
184.90	209.65	24.75	2w	Altered Mafic Metavolcanic Rock Unit				
209.65	216.85	7.20	2we	Grey Zone 1 - Dark Grey Zone	212.80	214.80	2.00	3.42
216.85	230.90	14.05	2a	Mafic Metavolcanic Rock Unit - massive flow				
230.90	260.70	29.80	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
260.70	264.65	3.95	2we	Grey Zone 1 - Dark Grey Zone				
264.65	333.05	68.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
333.05	353.25	20.20	2we	Grey Zone 1 - Dark Grey Zone				
353.25	385.15	31.90	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
385.15	411.90	26.75	2w	Altered Mafic Metavolcanic Rock Unit				
411.90	419.20	7.30	2we	Grey Zone 1 - Dark Grey Zone				
419.20	435.30	16.10	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
435.30	437.25	1.95	2we	Grey Zone 1 - Dark Grey Zone	436.05	436.35	0.30	16.15
437.25	485.00	47.75	2a	Mafic Metavolcanic Rock Unit - massive flow				
485.00	490.70	5.70	2w	Altered Mafic Metavolcanic Rock Unit				
490.70	500.85	10.15	2we	Grey Zone 1 - Dark Grey Zone	492.05	494.30	2.25	1.79
500.85	520.70	19.85	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
520.70	522.55	1.85	6n	Metasedimentary Rock Unit - graphitic argillite				
522.55	534.45	11.90	2a	Mafic Metavolcanic Rock Unit - massive flow				
534.45	550.25	15.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
550.25	552.45	2.20	2we	Grey Zone 1 - Dark Grey Zone				
552.45	568.60	16.15	2c	Mafic Metavolcanic Rock Unit - variolitic flow				
568.60	588.00	19.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
588.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-021

East: 487,211.84
 North: 5,377,610.59
 Elevation: 284.10

Azimuth: 346
 Dip: -51
 UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6036.98
 North: 5199.83
 Elevation: 2284.10

From (m)	To (m)	Length (m)	Code	Major Lithology		From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	40.00	40.00	ob	Casing/Overburden					
40.00	54.00	14.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
54.00	115.20	61.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow					
115.20	184.10	68.90	2a	Mafic Metavolcanic Rock Unit - massive flow		126.40	128.60	2.20	4.13
184.10	230.90	46.80	2c	Mafic Metavolcanic Rock Unit - variolitic flow	Includes	128.10	128.60	0.50	13.80
230.90	283.20	52.30	1kv	Ultramafic Metavolcanic Rock Unit - komatiitic basalt variolitic		134.20	135.50	1.30	1.26
283.20	293.80	10.60	2w	Altered Mafic Metavolcanic Rock Unit		140.50	140.90	0.40	7.37
293.80	309.50	15.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow		253.00	254.00	1.00	1.83
309.50	320.90	11.40	2a	Mafic Metavolcanic Rock Unit - massive flow		268.50	280.00	11.50	1.60
320.90	330.80	9.90	2wa	Grey Zone 2 - Light Grey Zone	Includes	268.50	274.00	5.50	2.18
330.80	345.40	14.60	6n	Metasedimentary Rock Unit - graphitic argillite	And	277.00	280.00	3.00	1.75
345.40	351.00	5.60	6ga	Metasedimentary Rock Unit - greywacke/argillitea		321.70	322.00	0.30	6.04
351.00				End of Diamond Drill Log					

Diamond Drill Hole Number: BC09-022

East: 487,211.88
North: 5,377,610.26
Elevation: 284.08

Azimuth: 360
Dip: -67
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6037.03
North: 5199.51
Elevation: 2284.08

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	48.00	48.00	ob	Casing/Overburden				
48.00	72.70	24.70	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
72.70	86.10	13.40	2a	Mafic Metavolcanic Rock Unit - massive flow				
86.10	135.60	49.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
135.60	142.80	7.20	2w	Altered Mafic Metavolcanic Rock Unit				
142.80	221.20	78.40	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
221.20	270.80	49.60	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
270.80	277.30	6.50	2w	Altered Mafic Metavolcanic Rock Unit				
277.30	295.80	18.50	2e	Mafic Metavolcanic Rock Unit - flow top breccia				
295.80	311.30	15.50	1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt				
311.30	316.00	4.70	2wa	Grey Zone 2 - Light Grey Zone	314.20	316.00	1.80	1.34
316.00	333.20	17.20	2n	Mafic Metavolcanic Rock Unit - pillowed flow	317.00	317.50	0.50	1.16
333.20	335.00	1.80	2w	Altered Mafic Metavolcanic Rock Unit	319.50	320.50	1.00	1.71
335.00	345.30	10.30	2n	Mafic Metavolcanic Rock Unit - pillowed flow	335.00	336.00	1.00	10.05
345.30	347.70	2.40	2w	Altered Mafic Metavolcanic Rock Unit				
347.70	350.70	3.00	2a	Mafic Metavolcanic Rock Unit - massive flow				
350.70	377.20	26.50	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
377.20	392.30	15.10	2w	Altered Mafic Metavolcanic Rock Unit				
392.30	410.60	18.30	2a	Mafic Metavolcanic Rock Unit - massive flow				
410.60	443.40	32.80	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
443.40	457.70	14.30	2w	Altered Mafic Metavolcanic Rock Unit				
457.70	465.10	7.40	6n	Metasedimentary Rock Unit - graphitic argillite				
465.10				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-024

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 004
Dip: -63
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.00
North: 4734.00
Elevation: 2284.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
0.00	16.00	16.00	ob	Casing/Overburden				
16.00	72.90	56.90	6g	Metasedimentary Rock Unit - greywacke/argillite				
72.90	95.50	22.60	6n	Metasedimentary Rock Unit - graphitic argillite				
95.50	98.50	3.00	FLTZN	Fault Zone				
98.50	100.50	2.00	6n	Metasedimentary Rock Unit - graphitic argillite				
100.50	103.50	3.00	FLTZN	Fault ZoneZN				
103.50	116.00	12.50	6n	Metasedimentary Rock Unit - graphitic argillite				
116.00	220.80	104.80	6g	Metasedimentary Rock Unit - greywacke/argillite				
220.80	222.40	1.60	6n	Metasedimentary Rock Unit - graphitic argillite				
222.40	241.00	18.60	6n	Metasedimentary Rock Unit - graphitic argillite				
241.00	247.40	6.40	6g	Metasedimentary Rock Unit - greywacke/argillite				
247.40	248.10	0.70	6n	Metasedimentary Rock Unit - graphitic argillite				
248.10	248.50	0.40	6n	Metasedimentary Rock Unit - graphitic argillite				
248.50	249.30	0.80	6n	Metasedimentary Rock Unit - graphitic argillite				
249.30	263.50	14.20	FLTZN	Fault Zone				
263.50	278.00	14.50	6n	Metasedimentary Rock Unit - graphitic argillite				
278.00	294.20	16.20	6g	Metasedimentary Rock Unit - greywacke/argillite				
294.20	308.00	13.80	1	Ultramafic Metavolcanic Rock Unit				
308.00	329.50	21.50	1	Ultramafic Metavolcanic Rock Unit				
329.50	338.00	8.50	1	Ultramafic Metavolcanic Rock Unit				
338.00	362.60	24.60	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
362.60	370.00	7.40	6g	Metasedimentary Rock Unit - greywacke/argillite				
370.00	381.70	11.70	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
381.70	388.70	7.00	2wa	Grey Zone 2 - Light Grey Zone				
388.70	401.70	13.00	6n	Metasedimentary Rock Unit - graphitic argillite				
401.70	407.80	6.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
407.80	411.80	4.00	6n	Metasedimentary Rock Unit - graphitic argillite				
411.80	419.00	7.20	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
419.00	441.00	22.00	1	Ultramafic Metavolcanic Rock Unit				
441.00	453.30	12.30	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
453.30	460.80	7.50	2wa	Grey Zone 2 - Light Grey Zone				
460.80	468.20	7.40	FLTZN	Fault Zone				
468.20	494.40	26.20	2wa	Grey Zone 2 - Light Grey Zone				
494.40	566.50	72.10	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
566.50	591.50	25.00	2wa	Grey Zone 2 - Light Grey Zone				
591.50	617.50	26.00	2n	Mafic Metavolcanic Rock Unit - pillowed flow				
617.50				End of Diamond Drill Log				

Not all sample analysis has been returned from lab

Diamond Drill Hole Number: BC09-024A

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 004
Dip: -63
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.00
North: 4734.00
Elevation: 2284.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)
427.00	445.00	18.00	1	Ultramafic Metavolcanic Rock Unit				
445.00	453.50	8.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	No assay results equal to or greater than one gram per tonne Au			
453.50	464.50	11.00	2wa	Grey Zone 2 - Light Grey Zone				
464.50	473.50	9.00	FLTZN	Fault Zone				
473.50	495.50	22.00	2wa	Grey Zone 2 - Light Grey Zone				
495.50	540.00	44.50	2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow				
540.00				End of Diamond Drill Log				

Diamond Drill Hole Number: BC09-024B

East: UTM Coordinates
North: are not
Elevation: Available
Azimuth: 004
Dip: -63
UTM Coordinates: NAD 83, Zone 17

Field Grid Coordinate:

East: 6045.00
North: 4734.00
Elevation: 2284.00

From (m)	To (m)	Length (m)	Code	Major Lithology	From (m)	To (m)	Length (m)	Gold (g/tonne)	
443.60	443.70		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
443.70	454.00		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow	1117.90	1142.60	24.70	6.68	
454.00	464.50		2wa	Grey Zone 2 - Light Grey Zone	Of Which	1117.90	1131.55	13.65	11.22
464.50	468.30	FLTZN		Fault Zone		1119.50	1121.70	2.20	24.73
468.30	475.30		6n	Metasedimentary Rock Unit - graphitic argillite	Of Which	1120.90	1121.70	0.80	37.40
475.30	499.50		2wa	Grey Zone 2 - Light Grey Zone	Also Includes	1123.50	1127.50	4.00	16.31
499.50	592.00		2n	Mafic Metavolcanic Rock Unit - pillowed flow	And	1137.90	1142.60	4.70	2.46
592.00	630.60		2wa	Grey Zone 2 - Light Grey Zone		1199.20	1200.20	1.00	5.38
630.60	665.50		2n	Mafic Metavolcanic Rock Unit - pillowed flow		1227.00	1227.60	0.60	1.13
665.50	689.00		2wa	Grey Zone 2 - Light Grey Zone		1231.20	1232.00	0.80	1.12
689.00	712.50		2n	Mafic Metavolcanic Rock Unit - pillowed flow		1238.10	1239.10	1.00	1.28
712.50	720.60		2wa	Grey Zone 2 - Light Grey Zone		1241.40	1242.20	0.80	1.68
720.60	751.50		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow		1278.50	1279.50	1.00	1.75
751.50	814.40		2a	Mafic Metavolcanic Rock Unit - massive flow					
814.40	822.20		2w	Altered Mafic Metavolcanic Rock Unit					
822.20	841.00		2n	Mafic Metavolcanic Rock Unit - pillowed flow					
841.00	846.20		2w	Altered Mafic Metavolcanic Rock Unit					
846.20	857.00		2a	Mafic Metavolcanic Rock Unit - massive flow					
857.00	876.80		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
876.80	1000.80		2a	Mafic Metavolcanic Rock Unit - massive flow					
1000.80	1118.70		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
1118.70	1119.55		2we	Grey Zone 1 - Dark Grey Zone					
1119.55	1123.50		15c	Massive White Quartz Vein					
1123.50	1127.00		2e	Mafic Metavolcanic Rock Unit - flow top breccia					
1127.00	1128.60		15c	Massive White Quartz Vein					
1128.60	1131.55		2e	Mafic Metavolcanic Rock Unit - flow top breccia					
1131.55	1132.10		2we	Grey Zone 1 - Dark Grey Zone					
1132.10	1138.30		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
1138.30	1141.60		2wa	Grey Zone 2 - Light Grey Zone					
1141.60	1146.80		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
1146.80	1192.60		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1192.60	1194.10		2wa	Grey Zone 2 - Light Grey Zone					
1194.10	1198.35		1k	Ultramafic Metavolcanic Rock Unit - komatiitic basalt					
1198.35	1199.20		15c	Massive White Quartz Vein					
1199.20	1200.20		2wa	Grey Zone 2 - Light Grey Zone					
1200.20	1278.50		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1278.50	1285.00		2wa	Grey Zone 2 - Light Grey Zone					
1285.00	1334.00		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1334.00	1335.50		2wa	Grey Zone 2 - Light Grey Zone					
1335.50	1406.00		2q	Mafic Metavolcanic Rock Unit - amygdaloidal flow					
1406.00				End of Diamond Drill Log					

Appendix 4.

Photographic Plates Evidence of the Work For the Bell Creek Complex Project

Plate 1 Norex Diamond Drill at the Bell Creek Complex, One of Six Diamond Drills



Plate 2 Drill Road Preparation, Bell Creek Complex



Plate 3 Sump for Drill Cuttings, Bell Creek Complex



Plate 4 Portal Collar and Entrance, Bell Creek Complex



Plate 5 Shifter's Office and Tool Crib for Ramp Development



Plate 6 Norex Diamond Drill Southeast of the Portal



Plate 7 Richard Labine Standing Beside A Labeled Drill Casing



Plate 8 Diamond Drill Casing, Capped and Labeled



Plate 9 Survey Pin North Boundary of Vogel and Schumacher Portions of the Bell Creek Complex



Plate 10 Overgrown Survey Boundary Between Vogel and Schumacher Portions of the Property



Plate 11 New Diamond Drill Core Storage Site, Bell Creek Complex



Plate 12 New Diamond Drill Core Storage Site, Bell Creek Complex



Plate 13 Diamond Drill Core To Be Repositioned on New Core Pad



Plate 14 Diamond Drill Core, Reject and Pulp Samples Cold Storage, Bell Creek Complex, Vogel



Plate 15 Pulp Samples Cold Storage, Bell Creek Complex, Vogel



Plate 16 Lake Shore's Government Road Drill Core Logging Facility



Plate 17 Condensed Diamond Drill Core, Archiving Drill Hole Lithologies



Plate 18 Indoor Diamond Drill Core Storage



Plate 19 Diamond Drill Core Saw Cutting Facility



Plate 20 Outdoor Receiving and Labeling Core Boxes Station



Plate 21 Lake Shore's Government Road Pulp Samples Storage Containers



Plate 22 Bell Creek Complex, Diamond Drill Core

