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# TECHNICAL REPORT
# GEOLOGICAL POTENTIAL, MINERAL RESOURCE ESTIMATE, AND PRELIMINARY ASSESSMENT
# TULLY GOLD PROPERTY

**TULLY TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO**
**FOR**
**SGX RESOURCES INC. AND SAN GOLD CORPORATION**

**Peter T. George, P. Geo.,**
**Toronto, Ontario, Canada**
**October 2010**

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# TECHNICAL REPORT, GEOLOGICAL POTENTIAL, MINERAL RESOURCE ESTIMATE AND PRELIMINARY ASSESSMENT OF THE TULLY GOLD PROPERTY, TULLY TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO, FOR SGX RESOURCES INC. AND SAN GOLD CORPORATION

**Author:**

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*This report has been prepared by Geoex Limited with all skill, care and due diligence, within the terms of the contract with the Client.*

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# SUMMARY

This technical report has been prepared by Geoex Limited at the request of Mr. Hugh Wynne, Chief Executive Officer of SGX Resources Inc. ("the Company"). The report was authored by Mr. Peter George, B.Sc., P.Geo. Mr. George ("the Author") has over 40 years experience in the mining industry including extensive experience in the gold exploration and mining sector in Canada.

The purpose of this report ("the Report") is to evaluate the geological potential, to provide an initial mineral resource estimate and to prepare a preliminary assessment of the Tully Gold Project ("the Property") (formerly know as the Nickel Offsets property) in order to provided the management and boards of directors of the Companies with technical information that will allow corporate decisions to be made with regard to the future exploration and development of the Property.

The Company and San Gold Corporation ("SGC") (jointly, "the Companies") acquired a 100% interest in the Property from Canadian Lithium Corp. (a successor company to Black Pearl Consolidated Inc.) by agreement dated August 9, 2010. The Company and SGC each hold a 50% interest in the Property. The Company is the operator and must contribute the first $233,000 in exploration expenditures on the Property. Following the initial expenditure by the Company, future expenditures will be shared 50:50 by the Company and SGC. The acquisition cost was $200,000 in cash, 600,000 shares of the Company, and 150,000 common shares of SGC.

The format and content of the report are intended to conform to Form 43-101F1 of National Instrument 43-101 ("NI 43-101") of the Canadian Securities Administrators.

There has been no exploration work done on the Property since the Author completed a NI 43-101 compliant report dated January 22, 2008 and titled "TECHNICAL REPORT, GEOLOGICAL POTENTIAL, MINERAL RESOURCE ESTIMATE, AND PRELIMINARY ASSESSMENT OF THE TIMMINS GOLD PROJECT, TULLY TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO, FOR BLACK PEARL MINERALS CONSOLIDATED INC."

The mineral resource and geological potential estimates contained in the Report are taken directly from the January 22, 2008 report. The preliminary assessment has been updated to reflect current gold prices and operating and capital costs inflated (5%) to 2010.

Drilling completed to date on the Property has provided sufficient data for the Author to complete an initial interpretation of the geometry of the vein system in plan and sectional views.

The Author concludes that the data density and the reliability of the drilling database is sufficient to complete an estimate of the indicated and inferred resources on the Property and as well, to make an estimate of the overall geological potential of the Property.

In the Author's opinion, the geological setting of the Property is sufficiently well defined to conclude that there is a valid comparison to be made between the Property and the mines that occur in the Bell Creek-Hoyle Pond trend of the Timmins gold camp.

The Author concludes that the in-situ grade potential of the Property will ultimately be in the range from 8 to 10 grams gold per tonne, based upon (1) a comparison of the assay database to the Dome Mine (Rogers 1982), (2) the average grades of mines in the Bell Creek-Hoyle Pond trend, and (3) the results of the initial resource estimate that has been completed for the Property.

The Author concludes that the work completed to date on the Property has demonstrated the presence of a significant gold resource that warrants an underground exploration and development

program with the objective to confirm the geometry and continuity of the vein structures and to confirm sufficient measured and indicated mineral resources to warrant completion of a feasibility study. The author further concludes that additional drilling is warranted to extend the depth potential as well as the potential along strike to the east and west.

A preliminary economic assessment of the Project indicates that the Property has economic potential. The fact that there are currently operating mines in the Timmins gold camp also supports the conclusion that Timmins-type gold mineralization can be operated on a sound economic basis.

The following table summarizes the geological potential estimate and the mineral resource estimate that the Author has completed.

The Author recommends that the Company initiate planning for an underground exploration program on the Property with the objective to confirm the geometry and continuity of the vein structures and to confirm sufficient measured and indicated mineral resources to warrant completion of a feasibility study.

**Summary of Mineral Resource and Geological Potential Estimates as of January 2008**

| | Tonnes | Grade Grams/tonne | Contained Gold troy ounces |
|---|---|---|---|
| **Indicate Mineral Resource (to 350m)** | **362,090** | **8.0** | **93,140** |
| **Inferred Mineral Resource** | | | |
| **Drill Inferred (to 350m)** | **114,990** | **6.3** | **23,290** |
| **Inferred Extensions (350 to 650m)** | **477,080** | **7.6** | **116,590** |
| **Total Inferred Mineral Resources** | **592,070** | **7.3** | **139,880** |
| **Geological Potential (to 650m)** | **6 to 7.8 million** | **8.0 to 10** | **1.5 to 2.5 million** |

***The Geological Potential quantity and grade is conceptual in nature as there has been insufficient exploration to define a "Mineral Resource" as defined in NI 43-101 (see Appendix 1 for NI 43-101 Mineral Resource and Mineral Reserve Definitions), and it is uncertain if further exploration will result in the geological potential being delineated as a Mineral Resource"***.

Subject to completion of a positive feasibility study, the Author also recommends that the Company initiate planning for possible future mining on the Property by starting a program of environmental monitoring and other related work that may be required for the ultimate granting of operating permits by the various regulatory authorities.

Based on the preliminary scoping study prepared for this Report (Buck 2007) the following program and budget (adjusted for 5% inflation to 2010) is recommended:

1) Upgrade the gravel road access to the site and extend it to the area where the proposed ramp will be collared.
2) Establish a ramp from surface to the 150 metre level below surface and establish exploration drifts and crosscuts. It is recommended that the Company orient the ramp in order to access the area around UTM co-ordinate 486 250 E (NAD 83 datum).
3) Complete an underground drilling program and bulk sampling program with the objective to confirm sufficient measured and indicated mineral resource to warrant completion of a feasibility study.
4) Complete preliminary permitting work in preparation for Phase 2 Program.

5) Complete additional drilling, to further assess the depth and along strike potential of the resource, 17 holes totalling 6,000 metres.

**Phase 1 Budget**

| | | |
|---|---|---|
| 1) | Items 1 and 2 above (Buck 2007) | 15,800,000 |
| 2) | Underground drilling (10,000 metres @ $150/metre) | 1,575,000 |
| 3) | Bulk Sample (50,000 tonnes @ $100/tonne) | 5,250,000 |
| 4) | Preliminary Permitting Work | 525,000 |
| 5) | Additional Surface drilling (6,000 metres @ $150/m all inclusive) | 900,000 |
| | **TOTAL PHASE 1 BUDGET** | **24,050,000** |

# 1.0 INTRODUCTION

## 1.1 GENERAL

This technical report has been prepared by Geoex Limited at the request of Mr. Hugh Wynne, Chief Executive Officer of SGX Resources Inc. (“the Company”). The report was authored by Mr. Peter George, B.Sc., P.Geo. Mr. George (“the Author”) has over 40 years experience in the mining industry including extensive experience in the gold exploration and mining sector in Canada.

The Company and San Gold Corporation (“SGC”) acquired a 100% interest in the Property from Canadian Lithium Corp. (a successor company to Black Pearl Consolidated Inc.) by agreement dated August 9, 2010. The Company and SGC each hold a 50% interest in the Property. The Company is the operator and must contribute the first $233,000 in exploration expenditures on the Property. Following the initial expenditure by the Company, expenditures will be shared 50:50 by the Company and SGC. The acquisition cost was $200,000 in cash, 600,000 shares of the Company, and 150,000 common shares of SGC.

The Company has accepted that the qualifications, expertise, experience, competence and professional reputation of Mr. George are appropriate and relevant for the preparation of this Report.

## 1.2 TERMS OF REFERENCE

The purpose of this report (“the Report”) is to evaluate the geological potential, to provide an initial mineral resource estimate and to prepare a preliminary assessment of the Tully Gold Project (“the Property”) (formerly know as the Nickel Offsets property) in order to provided the management and boards of directors of the Companies with technical information that will allow corporate decisions to be made with regard to the future exploration and development of the Property.

The format and content of the report are intended to conform to Form 43-101F1 of National Instrument 43-101 (“NI 43-101”) of the Canadian Securities Administrators.

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The mineral resource and geological potential estimates contained in the current Report are taken directly from the January 22, 2008 report. The preliminary assessment has been updated to reflect current gold prices and operating and capital costs inflated (5%) to 2010.

## 1.3 SOURCES OF INFORMATION

Geoex has been provided access to all technical data available for the project, including but not limited to, digital files on all historical drilling and all recent technical reports on the Property.

The Author has also relied on his personal, in-depth knowledge of the general geological setting and mineral deposits of the Timmins area, which is based upon over 20 years of experience in the area.

### 1.4 SITE VISIT

The Author visited the site most recently on August 16, 2010 and on November 1, 2007. There is no outcrop on the property and significant portions of all core acquired since 1996 are stored in Timmins. The primary purpose of the site visit was to inspect current access into the property and distances to power and water, as well as meeting the requirements of NI 43-101 for a current site visit. The most recent exploration on the property was in 2004-5 by Argent Resources Ltd. (13 drill holes, 4,657 metres). The Author did not visit the property during the Argent period of drilling, however, the results of the Argent program did not materially impact on the resource potential of the Property.

In November 1998 following completion of the major drilling program that was completed by Canadian Lithium (then know as Black Pearl Minerals Consolidated Ltd, the Author visited the core logging facilities of Black Pearl. The Author reviewed core logging methods, sample preparation and analysis procedures, data verification, and quality control procedures and discussed the results of the drilling program with geologists responsible for that program.

### 1.5 UNITS OF MEASURE AND CURRENCY

All units of measurement used in this Report are Metric unless otherwise stated. In this Report gold values are reported in grams per metric tonne unless it is clearly stated otherwise. The Canadian dollar is used throughout this Report unless otherwise stated. At the time of writing this report exchange rate for conversion of U.S. dollars to Canadian dollars was C$1: US$0.97.

## 2.0 RELIANCE ON OTHER EXPERTS

In order to complete a preliminary assessment of the economic potential of the Property, the Author has relied upon a scoping study level estimate of operating and capital costs to develop and operate a gold mining operation of the type that would be considered applicable to the Property (Buck 2007). The scoping study was completed for Geoex Limited by Mr. Malcolm Buck, P. Eng., of P. & E Mining Consultants of Brampton, Ontario. Mr. Buck is an independent qualified person as defined in NI 43-101.

The Author has relied upon the Ontario Ministry of Northern Development and Mines (“MNDM”) for information on mining claim location and mining claim status. The MNDM disclaims any guarantee or warranty that their information is accurate, complete or reliable.

The Author has relied upon the Company, its management and legal counsel for information related to underlying contracts and agreements pertaining to the historic acquisition of the mining claims and their status.

The Author has no reason to believe that there are any deficiencies in information that has been received from other experts that would have a material impact on the opinions, conclusions and recommendations expressed by the Author in this Report

# 3.0 PROPERTY DESCRIPTION AND LOCATION

## 3.1 PROPERTY DESCRIPTION

The Property is comprised of Lease #106606 (formerly #102554), Parcel #469, equivalent to 16 contiguous claim units covering 261 hectares (645 acres). The Lease includes both surface and mining rights, is in good standing, and is renewable for an additional 21 years on or before May 31, 2013. The Companies are the recorded owner of the lease.

The cost of maintaining tenure of the lease is comprised of Provincial Land Tax of $38.70 per year and Provincial Mining Tax of $1,935 per year.

**Table 1 – Leased Claims, Timmins Gold Property**

| Claim | Units | Parcel | Lease | Lease Period | Expiry Date | Registered Owner |
|---|---|---|---|---|---|---|
| P57463 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57464 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57467 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57468 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57471 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57472 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57473 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57474 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57475 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57476 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57479 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57480 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57485 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P57486 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P102250 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |
| P102251 | 1 | 469 | 106606 | 21 years | May 31, 2013 | Black Pearl Minerals Consolidated Inc |

## 3.2 PROPERTY LOCATION (Figures 1 and 2).

The Property is located in the southwestern corner of Tully Township, Porcupine Mining Division, District of Cochrane, in Lots 10 and 11, Concessions I and II, approximately 20 kilometres north-northeast of the Timmins airport and 30 kilometres north-northeast of downtown Timmins, Ontario.

## 3.3 PROPERTY, OTHER OBLIGATIONS

The Company andSGC acquired a 100% interest in the Property from Canadian Lithium Corp. (a successor company to Black Pearl Consolidated Inc.) by agreement dated August 9, 2010. The Company and SGC each hold a 50% interest in the Property. The Company is the operator and must contribute the first $233,000 in exploration expenditures on the Property. Following the initial expenditure by the Company, expenditures will be shared 50:50 by the Company and SGC. The acquisition cost was $200,000 in cash, 600,000 shares of the Company, and 150,000 common shares of SGC.

Talisman Energy Inc., successor to BP Resources Canada Limited (Selco Division), holds a 5% net profits interest in the property. Negotiations are in progress to acquire this net profits interest.

To the Author‘s knowledge there are no current or pending challenges to the lease title as revealed by a title search in the Cochrane Land Registry Office. There are no environmental liabilities or significant issues related to previous exploration work on the property. Future underground exploration on the property will require a variety of permits related to establishing underground access, including but not limited to, mining permits, on-site fuel and explosives storage, and water use permits, environmental and closure permitting, etc..

# 4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPY

## 4.1 ACCESSIBILITY

The Property is located in the southwestern part of Tully Township, approximately 30 kilometres north-northeast of the City of Timmins, Ontario (Figure 1). Surface access to the Property from Timmins is easily gained via Highway 655 and an all-weather gravel road that turns east off Highway 655, 11.5 kilometres north of the Kidd Creek Mine access road. The gravel access road extends approximately 11 kilometres and terminates near the common boundary between Prosser and Tully Townships. A 3 kilometre long drill road turns south from this point and provides access to the Property. The gravel access road would have to be extended into the Property if an underground exploration program was initiated. Alternate access to the Property is by helicopter charter service from Timmins.

## 4.2 CLIMATE AND PHYSIOGRAPHY

The property is situated on the northern edge of the Gowan marsh, a regional-scale swamp, which dominates the topography of the area. The base elevation on the Property is approximately 290 metres above sea level. The topography is generally flat, with only a few feet of relief permitting dry clay ridges to rise above the open and forested swampy areas.

Vegetation consists of poorly developed black spruce, patches of alders and low shrubs. The immediate vicinity of the deposit has been cleared of trees, due to previous forest harvesting operations and numerous diamond drilling campaigns over the years.

The climate is typical of northern boreal forest areas, with extended periods of sub zero temperatures through the winter months of November through March. Moderate temperatures prevail during the summer months with temperatures in the range of 10-27°C accompanied by moderate precipitation. Exploration, development and production programs can be executed during all seasons of the year.

## 4.3 LOCAL RESOURCES AND INFRASTRUCTURE

All-weather road access could be achieved by constructing approximately 3 kilometres of new road to the existing gravel road network. Electrical power can be obtained from a transmission line located approximately 14 road-kilometres west of the Property. The Buskegau River, located immediately east of the Property offers an abundant source of process water. Large quantities of aggregate resources are located adjacent to Highway 655, approximately 14 kilometres west of the Property.

The City of Timmins, about 30 kilometres to the south-southwest, is the nearest source of mining related commercial and social services with an abundant pool of managerial and skilled labour.

The Companies own the surface rights on the leases sufficient for the construction of a mining and milling operation.

Custom milling of gold ore from the Property would be available in the Timmins area at a number of sites and could be an alternative to constructing a mill at the Property site in the event a production decision was made.

# 5.0 PROJECT HISTORY

## 5.1 PERIOD 1964 TO 2010

The following reviews the general exploration history of the Property. The drilling results which form the basis for this Report are discussed in Sections 10 and 16.

Nickel Offsets, Limited ("Nickel Offsets") staked the property in 1964, following the discovery of the Kidd Creek base metal deposit, located approximately 14 kilometres to the west. McIntyre Mines Limited ("McIntyre") optioned the property in 1968 to test airborne conductors thought to be indicative of base metal mineralization. The conductive horizon was found to be a thin graphitic unit in an auriferous shear zone. Gold-bearing quartz veins hosted in sheared mafic volcanic rocks were drill tested over a strike length of 300 metres, and to a depth of 215 metres by 25 drill holes (4,473 metres). McIntyre returned the property to Nickel Offsets in 1979.

In 1980, Nickel Offsets drilled 17 holes (3,080 metres), generally within the area previously drilled by McIntyre. In 1981, Nickel Offsets drilled 16 holes (3,334 metres), increasing the strike length of the deposit to 380 metres, the depth to 345 metres and widths in the range of 1.5 to 5.5 metres.

In 1987 and 1988, Noranda Exploration Company Ltd. ("Noranda") and partner Golden Princess Mining Corporation, optioned the Property and explored the Property and other staked properties in the southwestern part of Tully Township. Work on the Property included a magnetometer survey, a few lines of induced polarization surveying and 44 drill holes (9,113 metres) in the deposit area. The drill program extended the strike length of the deposit to 458 metres, and indicated that the deposit to be open to depth (Graham, 1987). With the demise of flow through funding, Noranda relinquished the option before completing a revised inferred resource calculation for the deposit.

Reports prepared for Canhorn Mining Corporation (1991) and Canhorn Chemical Corporation (1995) by A.C.A. Howe and Roscoe Postle Associates Inc., respectively, recommended further drilling to enhance the understanding of deposit. The recommended drilling was never completed.

In 1996, Black Pearl optioned the property, and commenced exploration in February 1997. A total of 61 drill holes (14,253 metres) were completed by the end of the three drilling campaigns conducted in 1997. The diamond drilling succeeded in verifying the previous drill intersections of gold mineralization, and significantly expanded the dimensions of the gold mineralized structure. All data was archived in Access 97, Drillpad or Surpac formats. In addition to drill collar surveys, drill logs and assays, the database also includes 750 specific gravity determinations. Drill core from Black Pearl and some of the Noranda drilling campaigns is stored in South Porcupine.

Exploration work in 1997 also included 40.5 miles of line cutting, magnetic, induced polarization and resistivity surveys over the main portion of the deposit. The magnetic data clearly shows a relative magnetic low coincident with the east trending shear zone that hosts the auriferous veins. Chargeability and resistivity data are censored by the conductive overburden in the survey area, however, in general there is a moderate chargeability response and a coincident high resistivity response over the main tuff horizon (shear zone) that hosts the auriferous veins.

In 2003 the Argent Resources Ltd. ("Argent") optioned the Property from Black Pearl. Karvinen (2003) reviewed the historical work on the property and Argent, based on Karvinen's review and recommendations, completed 13 drill holes (4,657 metres) that in Argent's opinion did not further enhance the potential of the property. The option agreement was terminated in 2006.

Other than the Author's report (George 2008) there has been no work done on the property since 2006.

# 6.0 GEOLOGICAL SETTING

The following description of the geological setting is modified after Harron (2003).

## 6.1 REGIONAL AND LOCAL GEOLOGICAL SETTING

Tully Township, situated in the Abitibi Greenstone Belt ("AGB"), is underlain by Neoarchean supracrustal rocks of the Abitibi Subprovince of the Canadian Shield. Supracrustal rocks are divided into tectonostratigraphic units called assemblages for descriptive purposes. The reader is referred to Jackson and Fyon (1991) for a full discussion of the Archean geology of the Superior Province and Ayer et al. (2000) for a more recent interpretation of the AGB geology. Gold deposits are structurally controlled and are widely distributed within the AGB, but all of the large deposits occur within 2 km of the Destor-Porcupine Fault Zone, the Pipestone Fault Zone and the Cadillac-Larder Lake Shear Zone. As of 1990, 70% of all gold production in Canada has come from the AGB. Gold production plus reserves for Abitibi deposits (Ontario and Quebec) calculated in 1991 were estimated at about 678,000,000 tons grading 0.22 ounces gold per ton.

Two predominantly volcanic assemblages and one predominantly sedimentary assemblage underlie Tully Township (Ayer and Trowell, 2001). To the west of the northwest-trending Buskegau River Fault, the Porcupine (sedimentary) assemblage (2696-2675 Ma) underlies the extreme southwestern corner of the township. The upper parts of the Porcupine assemblage unconformably overlies the Kidd-Munro (volcanic) assemblage (2719-2711 Ma), however, locally the lower part of the Kidd-Munro assemblage and lower part of the Porcupine assemblage inter-finger and are stratigraphic equivalents of one another. This is particularly notable in the Hoyle Township area along the Bell Creek-Hoyle Pond gold mining trend in the Timmins gold camp. The Kidd-Munro assemblage underlies the central part of Tully Township and is overlain to the northwest by the upper Tisdale (volcanic) assemblage (2710-2703 Ma). To the east of the Buskegau River Fault Kidd-Munro assemblage rocks underlie the extreme southeastern corner of the township.

The Kidd-Munro assemblage is divisible into two distinct suites. A lower tholeiitic to komatiitic portion, which consists of komatiites, magnesium- and iron-rich tholeiites; and a calc-alkaline portion consisting of intermediate to felsic pyroclastic rocks, including FIIIb type rhyolites (Lesher, et al, 1986). Rare sedimentary rocks are generally confined to narrow interflow units within the mafic volcanic rocks. Synvolcanic felsic intrusions and later diabase dykes intrude the sequence. The calc-alkaline portion of the assemblage is host to the Kidd Creek VMS deposit and several smaller VMS deposits in Munro Township. The ultramafic / mafic portion is host to the gold deposit on the Property and other gold occurrences within Tully Township.

An airborne magnetic survey shows considerable relief within the Kidd-Munroe assemblage (Dumont et al. 2002a, b). Magnetic highs appear to be coincident with unaltered ultramafic flows and magnetic lows appear to be coincident with mafic flows and altered ultramafic flows. The magnetic patterns also appear to define west verging folds, or possibly transposed stratigraphy along contact parallel faults. Airborne electromagnetic patterns appear to be following stratigraphic horizons, and drill hole data indicates that most conductive horizons are graphitic responses.

The upper Tisdale (volcanic) assemblage occurs east and west of the Buskegau River Fault in the northeastern part of the township and remote from the Property. The basal mafic / ultramafic portion of this assemblage is host to the major gold deposits of the Timmins camp, such as the Hollinger, McIntyre and Dome mines. The upper Tisdale assemblage disconformably overlies the Kidd-Munro assemblage and is comprised of intermediate and felsic, epiclastic and pyroclastic volcanic rocks of calc-alkaline affinity. The magnetic pattern over this assemblage is subdued, with low amplitude magnetic responses over stratiform gabbroic sills. Electromagnetic responses within this assemblage are diffuse and of low conductivity. In the northwestern part of the township a zone of high conductivity EM responses caused by graphite and massive pyrrhotite marks the contact between the Tisdale and Kidd-Munro assemblages.

Porcupine assemblage rocks overlie the Kidd-Munro assemblage in the vicinity of the property. The sedimentary rocks are composed predominantly of fine-grained turbiditic sedimentary rocks with minor graphitic argillite and conglomerate horizons. A detrital zircon U/Pb age of 2698 Ma (Heather et al., 1995) for similar sediments at the Kidd Creek Mine defines a maximum age of the assemblage. Porcupine assemblage rocks are also thought to occur east of the Buskegau River Fault in the east central part of the Tully township (Berger, 2000). The magnetic pattern associated with this assemblage is subdued with stratiform electromagnetic responses.

Structural features of the bedrock are mainly interpreted from airborne magnetic surveys. Stratigraphic units as represented by their magnetic signatures generally trend east-northeast within the Kidd-Munro assemblage. This direction is mimicked by a well-developed penetrative foliation. Fold axes also appear to trend east-northeast as noted by reversals in younging directions determined from flow features. Stratigraphy parallel shear zones, such as at the Property are developed at some lithological contacts. Extensional lineations developed in the shear zones are moderately northeast plunging, a direction that is similar to lineations observed in the Timmins area (Pyke, 1982) and Hoyle Pond gold mines geology (Berger, 2000). This observations implies a similar and contemporaneous geodynamic process and possibly a similar metallogenic connotation, suggesting an untested gold potential along theses structures in Tully Township.

Within the upper Tisdale assemblage magnetic patterns indicate northwest-trending lithologies cut by east-northeast-trending late faults. Stratigraphic facings indicate younging directions towards the northeast within this assemblage. The distribution of EM conductors in the northwestern part of the township suggests large amplitude northwest-trending folds.

Generally, the contact of the Porcupine assemblage with older rocks is an unconformity. However, in southwestern Tully township the contact with Kidd-Munro rocks is predominantly a zone of shearing. At the Property, sheared sediments form the structural hanging wall of the mineralized shear zone.

## 6.2 PROPERTY GEOLOGY

The Property is completely covered by Quaternary sediments and Holocene organic deposits. Cochrane Till overlies varved silts and clays of the Barlow-Ojibway Formation, which overlie the older Matheson Till. Details of the Quaternary geology of the area are described by Richards (1983).

There are no outcrops on the Property. The description of the bedrock geology is derived from drill core descriptions, geophysical interpretations and geological compilations. These studies suggest that the property is underlain by the Kidd-Munro assemblage and the Porcupine assemblage.

Komatiites and lesser amounts of mafic volcanic rocks underlie the extreme northwestern corner and the central portion of the property. Porcupine assemblage clastic sediments underlie the balance of the property. Historical and Black Pearl drill logs refer to the mafic volcanic rocks as “tuffs” due to the well developed schistosity imparted by shearing.

Drill core logging by Polk (1998) provides very detailed descriptions of the lithologies in the vicinity of the known mineralization on the Property.

### 6.2.1 Lithology

Porcupine assemblage rocks consist of fine-grained, grey to black, carbonaceous argillites, siltstones and greywackes occurring in the structural hanging wall (north side) of the deposit. Carbonaceous argillites containing layers of semi-massive to massive pyrite commonly occur at the sedimentary-volcanic contact and account for the electromagnetic response associated with the deposit. Thin units of sericitic schistose sediments containing appreciable amounts of pyrite also occur within 10-40 feet of the sedimentary - volcanic contact indicating lateral facies equivalent deposition of Porcupine assemblage rocks during the waning stage of Kidd-Munroe assemblage volcanism.

Kidd-Munro assemblage volcanic rocks host the bulk of the gold-bearing quartz-carbonate veins. The upper portion of the volcanic stratigraphy (approximately 40 metres) is typically light grey green and moderately foliated tuff, with a discontinuous cataclastic texture. The lower part of the stratigraphy is dominated by dark green massive basalt and pale green pillow structures with chloritic selvedges.

A thin discontinuous graphitic argillite layer marks the contact between the mafic volcanic rocks and the underlying komatiites. This unit is highly altered by carbonate minerals, silica and pyrite, and contains anomalous gold values.

Basaltic komatiite flows occur as a thin layer stratigraphically below the graphitic argillite. The flows are dark green to black with a medium-grained texture. The komatiite and the overlying graphitic argillite host the “Footwall Zone“ gold-bearing quartz-carbonate veins.

Blue-black peridotitic komatiites are separated from the overlying basaltic komatiites by either a sharp contact or a talc-chlorite fault zone. These rocks are variably altered to serpentine, talc-chlorite rock and contain 2-4% disseminated magnetite and minor amounts of pyrite and pyrrhotite.

Several drill holes intersected narrow dykes of siliceous porphyry composed of 5-15% euhedral feldspar porphyroblasts with rare quartz porphyroblasts set in a black matrix. The porphyry is mineralized with magnetite and 3-4% disseminated pyrite / sphalerite, and trace amounts of chalcopyrite.

### 6.2.2 Alteration

Hydrothermal alteration varies systematically across the sedimentary and volcanic sequence. The Porcupine sediments are essentially unaltered except for a few barren quartz carbonate veins enveloped by silicification and minor sericite. The upper tuff hosted in the sediments is intensely pyritized, sericitized and locally silicified, imparting a bright green colour and a waxy texture to the unit.

The graphitic argillite at the top of the volcanic sequence is associated with intense silicification and carbonatization hosting quartz veins and foliation parallel quartz stringers. The tuffaceous and massive / pillowed mafic volcanic rocks exhibit pervasive carbonatization (ankerite-dolomite), chloritization and silicification. Komatiitic volcanics are pervasively carbonatized (ankerite-dolomite) and often exhibit some silicification and chlorite development. Fuchsite alteration occurs in the eastern end of the vein system and appears to correlate with higher gold values (Polk, 1998).

Alteration minerals associated with quartz-carbonate veins also vary across the shear zone, Hanging wall veins adjacent to the sedimentary rocks show varying degrees of “grey alteration” imparted by reduced carbon included in the quartz. Main zone veins are mainly white quartz with pyrite, ankerite, chlorite and minor sericite. Footwall veins are dominantly white quartz with pyrite, ankerite, dolomite and minor hematite.

#### 6.2.3 Structure

Property scale structures derived from drill core observations and geophysical data indicate that the deposit is situated on the 80-85° north dipping southern limb of an east-northeast trending overturned synclinal structure. The northern limb of this syncline is located near the northern boundary of the property. Given the style of folding, a complementary anticlinal structure is postulated to occur to the south of the synclinal structure on the property. This suggests that additional favourable structures are present, and are untested.

The mineralized vein systems on the property are primarily located within shear and tensional fracture zones developed within the more competent mafic volcanic strata, along the contacts between the adjacent, less competent ultramafic volcanic and sedimentary units and in structures cross-cutting the mafic volcanic unit.

Post mineralization faults occur in two main trends. North-northwest striking sub-vertical late faults locally offset the vein system in a north-south direction. East striking moderate to shallow north dipping faults with a dextral sense of displacement cause horizontal displacement of the vein system. These offsets are estimated to be in the order of 1 to 5 metres.

## 7.0 DEPOSIT TYPES

### 7.1 EXPLORATION TARGETS

The exploration target on the Property is a zone of gold mineralization hosted in structurally controlled zones of quartz-carbonate veins. The exploration model is described in Section 7.2.

Because of the small quantities of gold per tonne that are required to make an economic gold deposit, and further because the gold in this type of mineralization is seldom uniformly distributed throughout the vein structure and is most commonly either in small clusters of fine grained gold or in relatively large pieces of coarse free gold, it is very difficult to achieve representative sampling of the vein structure by drilling. See Section 16.2 for a thorough discussion of the sampling issues.

### 7.2 DEPOSIT MODELS

Roberts (1998) has provided an updated statement of the geological characteristics of Archean gold deposits (update of Roberts 1996).

Roberts has concluded that a close examination of the geological characteristics of Archean world-class gold deposits reveals a significant diversity in the nature and chemistry of the ore, hydrothermal alteration, and lithological or structural associations. Several geological styles of deposits can be distinguished:

- Quartz-carbonate veins in shear zones, faults and folds, and related extensional structures;
- Zones of stockwork veinlets and disseminated sulphides associated with small porphyry intrusions;
- Sulphide-rich veins and vein arrays;
- Gold-rich volcanogenic massive sulphide (“VMS”) lenses in felsic volcanic rocks; and
- Rare carbonate-rich veins and siliceous replacements.

Geological relationships suggest that the porphyry-style, gold-rich VMS and possibly epithermal-style deposits have formed during the stages of construction (volcanic-plutonic activity) of the greenstone belts at depths of less than 5 kilometres, whereas orogenic deposits have formed during deformation at depths in excess of 5 kilometres.

These different styles of gold deposits commonly occur within the same districts or along the same fault zones, indicating that gold deposits within a given district formed at different crustal levels, at different times, and by different processes, and have been juxtaposed by successive episodes of burial, uplift, and deformation that have been focussed in certain areas.

With specific reference to the southern Abitibi Greenstone Belt, where the Property is located, Roberts notes that development begins with the accumulation of volcanic rocks in one or more cycles and the emplacement of coeval igneous intrusions. This represents the main phase of construction of volcanic plutonic edifices, which is partly accompanied by, but mostly followed by, turbidite (greywacke, shale and siltstone) sedimentation. This main phase of construction was followed by a first episode of deformation (D1) tilting, folding and overthrusting of supracrustal units, accompanied by diorite-tonalite intrusions. Subsequent uplift and erosion led to the deposition of alluvial-fluvial Temiskaming-type sedimentary rocks above an angular unconformity. This Timiskaming-stage can be regarded as a renewed stage of volcano-plutonic construction as it was accompanied by the emplacement of high level intrusives and volcanic rocks of alkalic composition. The Timiskaming stage was followed by the main period of deformation of the volcanic-plutonic edifices, beginning with regional D2 shortening across the belt and evolving into D3 transcurrent deformation.

Quartz-carbonate vein deposits consist of networks of quartz-carbonate veins in moderately to steeply dipping brittle-ductile shear zones and related extensional veins and vein arrays and breccia veins in relatively competent lithologic units. The deposits are spatially associated with major shear zones but have a tendency to be hosted by second and third-order structures and splays. In the larger deposits, the vein networks have a surface footprint exceeding 1 kilometre of strike length and generally extend vertically to depths of 1 kilometre or more (McIntyre deepest levels were at approximately 2.5 kilometres below surface.

Robert (op cit) further noted that there is a strong association of world-class deposits with districts that contain a large proportion of mafic and ultramafic volcanic rocks.

As an aside the Author would point out that the mafic and ultramafic volcanic rocks of the lower part of the Kidd-Monroe assemblage, and its stratigraphic equivalents elsewhere in the Abitibi Greenstone Belt, are clearly spatially associated with all of the major gold deposits in the area.

An important implication of Robert's findings is that successful gold exploration in these belts must be based on multiple models and multiple sets of exploration criteria.

In the Timmins gold camp, all of the above-mentioned styles of mineralization can be found, and multiple styles can be found within a single mine, for example the Dome and Hollinger-McIntyre mines.

In quartz-carbonate vein deposits gold mineralization occurs in both the veins and in adjacent altered wall rocks, with the bulk of the gold found in the veins. The mineralized veins consist of quartz and carbonate minerals, with subordinate amounts of pyrite, arsenopyrite, pyrrhotite, native gold, base metal sulphides, tourmaline, scheelite, talc, sericite and chlorite. Alteration envelopes, a few metres to tens of metres thick surround the veins, and may consist of reduced carbon, carbonatization, potassium metasomatism, sodium metasomatism, sulphidization and silicification (Card et al, 1988).

Carbonatization is the most common and most extensive type of alteration. This type of alteration involves the progressive replacement of Ca, Fe and Mg silicate minerals by carbonate species through the addition of carbon dioxide and is inwardly zoned from calcite to ankerite and dolomite. Potassium metasomatism is found in close proximity to the veins as sericitization of chlorite and plagioclase, the development of K-feldspar and biotite and the presence of fuchsite in ultramafic rocks. Sulphidation is restricted to the immediate wall rocks of the veins. Pyrite is the dominant sulphide with lesser amounts of pyrrhotite and arsenopyrite, but the volume of total sulphide minerals is generally less than 10%. Sodium metasomatism results in the formation of albite and paragonite. Silicification results in quartz-flooding of the host rocks and an abundance of quartz veinlets and stockworks.

At the district and property scale, exploration for quartz-carbonate lode gold deposits focuses on broad transpressional shear zones located along lithologic boundaries. The gold mineralization tends to occur within structures measuring hundreds to thousands of metres long that are subsidiary to major fault zones. At a more local scale mapping of alteration mineral assemblages can delineate favourable portions of shear zones. Even though the sulphide content of the quartz veins and the associated wall rock alteration is low, induced polarization and resisitivity geophysical methods result in a recognizable chargeability response, while the increased quartz content is recognized as an increase in resistivity. Carbonitization causes destruction of magnetic minerals in mafic rocks, creating a negative magnetic feature coincident with alteration surrounding the lode deposits. In glaciated areas, geochemical surveys using heavy mineral concentrates derived from sampling till can be used to define areas of potential lode gold mineralization. In addition, Mobile Metal Ion-type soil geochemical surveys have proven to be applicable in overburden covered areas.

The geological setting of the Company's Tully Gold Project is very similar to the Bell Creek to Hoyle Pond mine trend, known as the "New Mine Trend" in Timmins as it was first developed in the 1970's. The Hoyle Pond mine has been the subject of a recent and very informative NI 43-101 report (Roque et al 2006).

# 8.0 MINERALIZATION ON PROPERTY

## 8.1 MINERALIZED ZONES

Lode gold mineralization, typical of gold deposits found in the Timmins area has been found on the Property. The gold-bearing vein structure is hosted in a sheared "tuffaceous" facies of a mafic volcanic sequence between hanging wall (north side) metasedimentary rocks and footwall (south side) ultramafic volcanic rocks, as described in Section 6.2 of this report.

Native gold is associated with quartz carbonate (ankerite, dolomite) veins with 3-5% subhedral to euhedral pyrite along vein margins. Accessory minerals include sphalerite, chalcopyrite, tellurides, arsenopyrite, siderite fuchsite and hydromuscovite.

## 8.2 HOST ROCKS, STRUCTURES AND ALTERATION

The host rocks, structures and alteration are described in Section 6.2.

## 8.3 LENGTH, WIDTH, DEPTH AND CONTINUITY OF MINERALIZATION

As discussed further in Section 16.2, it is important to determine the potential tonnage of the mineralized zone in assessing the geological potential of the mineral resource on a gold property of this type.

The author evaluated the vein system geometry and continuity based upon level plans and cross sections spaced 25 metres apart.

The digital drill hole database contained detailed information relating to % quartz veining in the core and this data was used to estimate vein system geometry on individual level plans and cross sections. The area of the vein system was determined on each plan and section.

As had been concluded by site geologists who have previously worked on the property, the Author's interpretation indicates the presence of vein structures that are subparallel to the hanging wall and footwall contacts of the mafic volcanic unit as well as vein structures that cross cut the mafic volcanic unit. The cross cutting vein structures appear to have a north westerly strike trend and northeast dip which suggests the secondary stress field was oriented west northwest and plunging 10 to 20 degrees to the west (that is, left lateral horizontal movement along the contacts with the south side down).

The width of the vein structures increase in areas where the two orientations of vein structures intersect.

It is the Author's opinion that the development of these complex vein structures was caused by progressive deformation, comprised of both brittle fracture and ductile shearing during multiple phases of regional deformation.

Typically, the final stage of mobilization or remobilization of gold into the vein system, is into late stage brittle fractures in the competent highly siliceous vein structures.

Based on the Author's level plan and cross section evaluation of the vein structure, the structure pinches out to the west, plunges steeply to the east, is present along a known strike length of approximately 400 metres and is open to the east and at depth. The known vertical extent from the bedrock surface (approximately 30 metres below surface) is approximately 300 metres.

### 8.4 SIGNIFICANT ASSAY RESULTS

Significant assay results are presented in Appendix 3.

# 9.0 EXPLORATION

## 9.1 HISTORICAL EXPLORATION ON THE PROJECT

The history of exploration on the Property has been described in Section 5.0.

There is no outcrop on the Property and initial exploration of the Property was focussed upon evaluation of airborne electromagnetic anomalies for base metals, following discovery of the Kidd Creek Mine, located approximately 14 kilometres to the west of the Property.

Drilling completed on the Property since 1968 forms the basis for this Report on the Property.

# 10.0 DRILLING

## 10.1 HISTORICAL DRILLING ON THE PROJECT

### 10.1.1 Type and Extent of Drilling

All drilling on the property has been core drilling, with the majority being BQ-size (3.64 centimetres diameter). Table 10.1 summarizes the drill holes that have been completed to date in the vicinity of the gold mineralization and that have been used in this Report. Drill Plans and Drill Sections are presented in following sections of this Report.

**Table 2**
**Summary of Drilling, Timmins Gold Project**

| Company | Years | Hole ID | Total Holes | Total Metres |
|---|---|---|---|---|
| McIntyre Mines Limited | 1969 | 69-01 to 69-21 | 21 | 4,105 |
| Nickel Offsets, Limited | 1980-81 | 80-01 to 80-15<br>81-01 to 81-16 | 31 | 5,782 |
| Noranda Exploration Co. Ltd. | 1987-88 | 87-01 to 87-24<br>88-25 to 88-43 | 44 | 9,113 |
| Black Pearl | 1997 | 97-01 to 97-61 | 61 | 14,253 |
| Argent Resources Ltd. | 2004 | A-01 to A-14 | 13 | 4,657 |
| **Total** | | | **170** | **37,910** |

During Black Pearl drilling program in 1997, an attempt was made to archive historic core from the property. None of the core from the 1969 drilling was salvageable, however, holes from 1987-88 drilling were sorted and reboxed with important intersections stored at the Company's storage facility in Timmins. Core from the Noranda Exploration program is stored at the Noranda storage facility in Timmins.

Important intersections from the 1997 and 2003-2006 programs are also stored at the Company's storage facility in Timmins.

## 10.2 CURRENT DRILLING ON THE PROJECT BY THE COMPANY

There is no current drilling on the Project. The last drilling by Black Pearl was in 1997 and the most recent drilling on the property was by Argent Resources Limited in 2003-2006.

# 11.0 SAMPLING METHOD AND APPROACH

The following descriptions are based upon the drilling completed since 1988. Historic sampling methods and approach are not available, however, the Author lived and worked in Timmins during the 1970's and is familiar with the personnel and operations of that era in the Timmins area. The author is of the opinion that the geologists of that era followed procedures related to the logging and sampling of core that would meet current NI 43-101 standards.

## 11.1 SAMPLING METHODS (Black Pearl)

Diamond drill core is placed in labelled wooden trays and localized by depth locks inserted by the drill contractors personnel prior to removal of the core from the drill site by the drill geologist. Upon arrival at the secure core logging facility the core boxes are sequentially placed in a core rack. Spatial information related to each box of core is checked for accuracy and consistency at this point. Remedial actions are undertaken, if necessary, to correct deficiencies in the spatial information prior to entry into a database.

An experienced contract geologist completed logging of the core and the observations are entered into a drill log database prior to selecting samples for analyses. Selected portions of the core were marked and measured for sampling and are identified with one part of a three part assay tag, placed at the end of the sample interval. Samples were produced by sawing the core perpendicular to the foliation, with one half of the core returned to the core box and the other half placed in a clean plastic bag along with part two of the three part assay tag. Information on the third part of the assay tag is entered into the database and the drill log, at which time accuracy and consistency are again reviewed and remedied, if necessary.

Polk (1998) indicates that when half core samples containing visible gold were selected for assay, the half core with the largest concentration of visible gold was submitted.

The entire volcanic rock section from the sediments in the upper portion of the drill core to the ultramafic rocks in the lower portion of the drill core was sampled. Generally 1.5 metre (5 ft.) intervals of un-mineralized rock constituted a single sample. Sample lengths in mineralized portions of the core characterized by silicification, carbonate alteration, sulphide minerals, quartz veins and visible gold are variable and were based upon geological considerations.

Sealed sample bags were transported to the analytical laboratory in a timely fashion by the analytical laboratory personnel, and transferred to the laboratories chain of custody procedures and protocols.

## 11.2 SAMPLING OR RECOVERY FACTORS

Core recovery is generally good in the Project area and the Author is confident that there are no sampling or recovery factors that would negatively impact the sampling procedures.

## 11.3 SAMPLE QUALITY, REPRESENTATIVENESS, AND SAMPLE BIAS

The sampling methods are to industry standards for mineralization of this type, recognizing that there are serious issues relating in general to sampling of gold deposits because of the low quantities of gold that are needed to make an economic deposit (See discussion in Section 16.2).

The author is of the opinion that the sampling methods meet NI 43-101 standards.

# 12.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

All Black Pearl sample preparation and analyses were conducted by Swastika Laboratory, Swastika, Ontario, P0K 1T0.

Samples without visible native gold were subjected to normal analytical procedures. Sample preparation procedures involve jaw crushing to -1/2 inch, with further size reduction to -10 mesh by a roller mill. A 350 gm sample is riffled from the -10 mesh sample and pulverised to >90% -200 mesh. The gold concentration is determined in a homogenized 30 gm sample using a fire assay collector and atomic absorption techniques.

Swastika voluntarily re-assays every 10th pulp (on average) as a check on laboratory precision, and at their discretion frequently assays a second pulp.

Samples with visible gold were subjected to metallic sieve analyses. The total submitted sample was screened through a -100 mesh sieve. The +100 mesh portion (including the sieve cloth) is fire assayed in its entirety to determine the coarse gold content. The -100 mesh portion is fire assayed in duplicate to determine the non-coarse gold content. A weighted average is then calculated to determine the overall gold content of the entire submitted sample.

Black Pearl also completed third party laboratory check samples, which confirmed the validity of the Swastika Laboratory results.

The Author is of the opinion that all potential gold mineralized zones in drill core have been sampled. Security of the samples both at the core logging facility and the analytical laboratory appear to be adequate to ensure the integrity of the samples. The use of the metallic sieve method of assaying samples containing coarse visible gold provides a more accurate measure of the gold concentration in the core samples. The bias introduced into the sampling technique by submitting the half core with the largest amount of visible gold is noted but not quantified. In general terms this sampling technique would accentuate the “nugget effect”.

No standards or blanks were inserted in the batches of samples sent to the assay laboratories except for the assaying done for the 2004 drilling by Argent.

# 13.0 DATA VERIFICATION

The author did not undertake any check sampling and assaying. The assay data was reviewed in detail and cross-checked against drill logs and assay sheets by Harron (2003) and no material errors or omissions were noted. All assaying was by reputable assay companies with long histories of quality work.

Swastika Laboratory was the principal assay laboratory during Black Pearl’s drill program in 1997 and as a standard practice re-assayed approximately every $10^{th}$ sample as well as frequently carrying out a re-assay of a second pulp as an internal check on their own analyses. Black Pearl also completed third party laboratory check samples, which confirmed the validity of the Swastika Laboratory results.

There is no way to verify the quality of historic assays pre 1997, however, the exploration groups that previously explored the Property had significant experience in the Timmins area and the Author has no reason to question the validity of the data that they produced.

The Author compiled all of the drill hole information into a digital database for use in Geosoft Target software in order to prepare current drill sections, level plans, and longitudinal sections for the evaluation of the geological potential and mineral resource potential of the Project. During the data compilation the Author found no material errors or omissions in the numerous sources of information compiled into the current digital database.

The Author is of the opinion that the assay data base for the Project is of sufficient quality to provide the basis for the conclusions and recommendations reached in this Report.

## 14.0 ADJACENT PROPERTIES

***The reader is cautioned that information presented on adjacent properties in this section is not necessarily indicative of the mineralization on the Property that is the subject of this Report.***

There are eight gold occurrences in Tully Township (Berger 2000) of which two are proximal to the Property. The Texmont deposit and the Frankfield deposit (the fault offset extension of the Texmont deposit) are approximately 1.6 kilometres north of the Property. The geological setting is similar to the geological setting of the mineralization on the Black Pearl property and indicative of widespread gold potential in the immediate area of the Property.

The Texmont was discovered in 1968 by diamond drill testing of an electromagnetic conductor and the Frankfield deposit was discovered in 1974, also by drill testing of an electromagnetic conductor 4,000 feet east of the Texmont deposit. No resource estimates have been made for these properties. The Texmont and Frankfield deposits occur in Kidd-Munroe assemblage mafic and ultramafic volcanic rocks adjacent to a shear zone contact with Porcupine assemblage sedimentary rocks. The mineralization is primarily structurally controlled quartz-pyrite-arsenopyrite veins and stringer zones but at the Frankfield deposit there is also disseminated pyrite-arsenopyrite mineralization in silicified graphitic mudstone and mafic tuff adjacent to the mafic volcanic-ultramafic volcanic contact. Silicification, carbonatization, sericitization, and hematization are associated with both types of mineralization.

The Author has also relied upon information on other gold deposits in the Timmins area in his assessment of the geological potential of the Property, specifically a recent detailed report (Roque et al 2006), which provides in depth information on current operations at the Dome, Hoyle Pond, and Pamour mines, currently all owned by Goldcorp Inc.

## 15.0 MINERAL PROCESSING AND METALLURGICAL TESTING

Neither the Company or any of the other companies that have worked on the Property have completed any mineral processing or metallurgical testwork on samples from the Property.

The mineralization on the Property is visually very similar to that which occurs in operating mines in the Timmins area and the Author is of the opinion that there will be no technical issues with milling of mineralization from the Property.

# 16.0 GEOLOGICAL POTENTIAL AND MINERAL RESOURCE ESTIMATES

## 16.1 INTRODUCTION

The primary objective of this report is to provide an estimate of the geological potential of the Property. Secondarily an initial resource estimate is made for portions of the property where the Author is of the opinion that there is sufficient evidence of continuity of vein structure coupled with assay values that would be considered economic on the basis of the preliminary assessment contained in Section 18.

Opinions on the geological potential of a property are permitted under Sections 2.3(2) and 2.3(3) of National Instrument 43-101 ("NI 43-101") provided that it is clearly stated that ***"the potential quantity and grade is conceptual in nature, there has been insufficient exploration to define a "Mineral Resource" as defined in NI 43-101 (see Appendix 1 for NI 43-101 Mineral Resource and Mineral Reserve Definitions), and it is uncertain if further exploration will result in the target being delineated as a Mineral Resource"***.

## 16.2 BACKGROUND CONSIDERATIONS RE ESTIMATION OF GEOLOGICAL POTENTIAL

Geological and management personnel of the Archean gold mines of the gold districts of Ontario (Timmins, Kirkland Lake, Red Lake, etc., have intuitively understood for over a century, the issues of assessing the gold content of gold bearing structures using diamond drilling. The standard operating procedure for decades has been "drill for structure" and "drift for grade". This was basically the standard operating procedure for all of the Archean gold mines that have been historically opened in Canada. Most were discovered on the basis of significant surface showings and were initially explored by shallow shafts and drifting on the vein. As districts became well established in the post World War 2 era, drilling of small surface showings along trends within and along strike from established districts became a favoured exploration methodology.

Exploring for new Archean gold mines in overburden or water-covered areas must rely completely on drilling to define new zones of subcropping gold mineralization. Similarly, in-mine exploration at depth and along strike commonly must rely on drilling of wide-spaced holes to provided indications of lateral or vertical extensions of known ore bodies.

Rogers (1982), in his analysis of drilling as an aid in ore definition at the Dome Mine in Timmins, clearly substantiated the sampling problem. Drawing on more than 72 years of mining history at the Dome and an analysis of 20,000 drill holes totalling over 1,215,000 metres (756 miles), Rogers states that:

> "Diamond drilling plays an important role in the evaluation of the stratigraphic and structural features which control ore deposition. The main function of diamond drilling is to locate favourable areas of mineralization. Needless to say, a great many significant intersections, carrying a wide range of gold values, have resulted, however, the term "significant" takes on new meaning in light of the experience of diamond drilling in a number of ore-type situations at the Dome Mine. Drilling through individual ore veins such as the Fuchsite Vein, or the Quartz-Tourmaline Vein, often intersect the vein structure; however, assays from the veins frequently fail to yield any ore grades. Similarly, drill cores through stringer-type occurrences, when assayed, fail to indicate the true size or grade of the ore body finally mined." Rogers further noted that "those who explore for gold and those

> who have the slightly less fickle task of actually mining gold have shared a common dilemma. That dilemma lies in the failure to relate the results of diamond drilling to a positive ore situation, or ultimately to reconcile the "diamond drill indicated ore" to actual ore reserve tonnages."
>
> Rogers concluded that, "the role of diamond drilling is paramount to success or failure in the "making of a mine". Once a discovery is made, some appreciation of the size of the deposit must be understood before the economic viability of further development can be ascertained. To that end diamond drilling is asked to play its conventional role. However, at the Dome Mine, in the exploration and development of gold-bearing deposits, diamond drilling results are often misleading when consideration is given only to the economic value of the drill core assays themselves."

From his review of the Dome drilling Rogers further noted that 40 to 60% of holes completed through multi-vein gold structures and 50 to 80% of holes completed through single vein structures areas failed to return any gold values in excess of 1.7 grams per tonne in areas that were ultimately mined. The majority of this drilling was short, close-space holes, drilled from levels and sublevels to evaluate ore blocks that were planned to be stoped.

At the time of Rogers (1982) analysis, the Dome Mine had produced 42.7 million tons of ore and 11.1 million ounces of gold (Atkinson 1985), which is equivalent to 38.3 million tonnes of in-situ resource grading 10.3 grams gold per tonne (based on 10% mining dilution, 90% mine recovery, and 95% mill recovery).

Also, if one reviews the annual production and reserve information for the Dome Mine over its long history, rarely did the proven reserve base ever exceed 3 years of future production until the 1990's when the bulk mining open pit was developed.

Clearly, based on the above analysis, in the evaluation of the geological potential of a predevelopment-stage gold property such as the Property that is the focus of this Report, emphasis must be placed upon the tonnage potential of the vein structures, and a review of the overall hit and miss ratio of the gold intersections obtained during the exploration stage drill program.

None of the great gold mines of the Timmins camp would ever have achieved production if a requirement of financing of the initial development had been to demonstrate 7 to 8 years of proven plus probable mineral reserves as defined in NI 43-101.

In the past 4 years, as a result of corporate needs, there have been NI 43-101 reports prepared (a) for the Dome, Hoyle Pond, and Pamour mines in the Timmins camp, Ontario (Rocque et al 2006, Couture 2003), (b) for the Campbell and Red Lake Mines in the Red Lake camp, Ontario (Crick et al, 2006), and (c) the Musselwhite Mine in the Pickle Crow area, Ontario (Mah 2006). The aforementioned reports provide significant information relating to grade estimation issues in typical Archean vein-type gold deposits in Ontario. The information is very relevant to the issues relating to sampling this type of gold deposits by drilling.

All of these operations have sampling issues relating to reconciliation of grades indicated by all manner of sampling (drill core, chip samples, muck samples from ore cars and trucks, and belt samples from various points in the mill). Most of these operations treat each vein-type or stoping area as individual projects and use sophisticated geostatistical software to determine assay indicated grades, capping grades, etc in order to reconcile resource and reserve estimates with mill production.

Over the past several decades, geostatisticians (Pitard, 1993a,b, 1998, 2002, Ingamells and Pitard, 1986) have published extensively on gold sampling theory and all recognize that the primary and most problematic issue is “Nugget Effect”.

Typically, in Archean vein-type gold deposits, gold is very rarely uniformly distributed throughout the vein structure but rather, occurs as clusters of small particles or single masses of spectacular “nuggety” gold. This random, unpredictable distribution of gold influences all sampling of gold mineralization, whether it be (1) exploration drill core, (2) close-spaced underground stope planning drill core, (3) channel sampling of drift faces, development raises and sublevels, (4) sampling of mined ore by underground car or truck sampling or belt sampling after primary crushing in the mill. This problematic sampling issue is what is known as the “Nugget Effect”.

These same statisticians also point out that once the sample is acquired and sent to an assay laboratory where it is crushed and then subdivided into a smaller sub-sample for fine grinding from which is ultimately take a smaller sample that is submitted to the assay laboratory (commonly 30 grams of material, know as one-assay-tonne). The whole process, which has been industry standard for decades, has a high risk that the final one-assay-tonne sample will not be representative of the material originally sampled.

When one considers (a) the small number of grams of gold that are required to produce economic grades in a tonne of ore, then considers (b) the small volume of that small amount of gold, compared to the volume of one tonne of ore and (c) further considers the volume of core in a single diamond drill hole passing through that tonne of ore, the issues implicit in sampling with drilling for grade becomes apparent. Table 16.1 provides a simple summary of the above facts.

**Table 3**
**Volumetric issues regarding sampling vein systems by drilling**

| **Core Size** | **Core Diam** (cm) | **Core Vol.** ($cm^3$/m of core) | **Grade (Au g/t)** | **(Au oz/T)** | **Au Vol.** ($cm^3$) | **Ore Vol./tonne** ($cm^3$)@SG 2.8 |
|---|---|---|---|---|---|---|
| BQ | 3.637 | 1,870 | 4 | 0.117 | 0.25 | 357,615 |
| NQ | 4.763 | 3,207 | 8 | 0.233 | 0.50 | 357,615 |
| HQ | 6.350 | 5,700 | 16 | 0.467 | 1.01 | 357,615 |
| | | | 32 | 0.933 | 2.01 | 357,615 |
| | | | 64 | 1.867 | 4.03 | 357,615 |

The ratio of the volume of gold per volume of a tonne of ore is in the range of 1:90,000 to 1:1,430,000 depending on the gold grade.

The ratio of the volume of one drill hole through the volume of one tonne of ore is in the range of 1:60 to 1:190 depending upon the diameter of the drill core.

Close-spaced, production planning, stope definition drilling is generally on 5 to 10 metres spacing, therefore a 2-metre wide shrinkage or cut and fill stope has one drill intersection per 140 to 560 tonnes of ore. As noted by Rogers (1982) over half the holes drilled for stope planning returned less than 1.7 grams per tonne (the Dome mine consistently averaged over 10 grams per tonne of annual underground production for decades). These facts substantiate the issues and problems with sampling gold ore bodies by drilling regardless of whether it is in the exploration of the production phase.

In the Author’s opinion it is demonstrably valid to assess the geological potential of an undeveloped gold zone by establishing the volume of vein zone or mineralized structure as a basis for estimating tonnage potential, and, assessing the grade potential based upon the grade of similar deposit types, and where available, the statistics of the assay data for such deposits.

Major financings for underground exploration and development of Archean gold deposits should be based on well-defined geological potential, otherwise, there is a high probability that Ontario will miss out on significant gold production.

In addition to the standard operating procedure “drill for structure” and “drift for grade” that was common to the major Archean gold mining operations in Canada, the other commonly accepted parable was that “gold mines are made, not discovered”.

## 16.3 GEOLOGICAL POTENTIAL METHODOLOGY

### 16.3.1 Geological Tonnage Potential

The Author’s initial step in determining the geological potential of the Property was to prepare a complete set of level plans and cross sections, which illustrate major geological contacts, percent quartz veining observed in the drill core, and gold assay information.

Subsequently, level by level and section by section interpretation of the outline of the mineralized zone was completed and the area in square metres of the vein structure on each level and section was determined. The volume and tonnage estimates based on levels and sections were determined separately and are presented in Table 4.

**Table 4**
**Drill Indicated Geological Tonnage Potential - Surface to 350 Metres Below Surface**

| Level asl | Vein Area sq. m | Volume cu. m | tonnes | Section | Vein Area sq. m | Volume cu. m | tonnes |
|---|---|---|---|---|---|---|---|
| 300 m | | | | 5975 E | | | |
| 275 m | | | | 6000 E | 281 | 7,025 | 19,670 |
| 250 m | 2,775 | | | 6025 E | 87 | 2,175 | 6,090 |
| 225 m | 4,718 | 58,975 | 165,130 | 6050 E | 103 | 2,575 | 7,210 |
| 200 m | 4,234 | 105,850 | 296,380 | 6075 E | 71 | 1,775 | 4,970 |
| 175 m | 5,932 | 148,300 | 415,240 | 6100 E | 1,787 | 44,675 | 125,090 |
| 150 m | 4,692 | 117,300 | 328,440 | 6125 E | 1,634 | 40,850 | 114,380 |
| 125 m | 5,787 | 144,675 | 405,090 | 6150 E | 4,256 | 106,400 | 297,920 |
| 100 m | 4,927 | 123,175 | 344,890 | 6175 E | 1,715 | 42,875 | 120,050 |
| 75 m | 3,997 | 99,925 | 279,790 | 6200 E | 1,131 | 28,275 | 79,170 |
| 50 m | 4,898 | 122,450 | 342,860 | 6225 E | 2,535 | 63,375 | 177,450 |
| 25 m | 4,616 | 115,400 | 323,120 | 6250 E | 1,689 | 42,225 | 118,230 |
| 0 m | 5,173 | 129,325 | 362,110 | 6275 E | 2,986 | 74,650 | 209,020 |
| - 25 m | 4,316 | 107,900 | 302,120 | 6300 E | 1,983 | 49,575 | 138,810 |
| - 50 m | 3,117 | 77,925 | 218,190 | 6325 E | 1,386 | 34,650 | 97,020 |
| | | | | 6350 E | 2,385 | 59,625 | 166,950 |
| | **Total tonnes** | | **3,783,360** | 6375 E | 2,440 | 61,000 | 170,800 |
| | | | | 6400 E | 1,943 | 72,863 | 204,015 |
| | | | | 6425 E | | No drilling on section | |
| | | | | 6450 E | 2,789 | 104,588 | 292,845 |
| | | | | 6475 E | 2,895 | 72,375 | 202,650 |
| | | | | 6500 E | 2,605 | 65,125 | 182,350 |
| | | | | 6525 E | 1,725 | 43,125 | 120,750 |

| | | | |
|---|---|---|---|
| 6550 E | 588 | 22,050 | 61,740 |
| 6575 E | | No drilling on section | |
| 6600 E | 333 | 12,488 | 34,965 |
| | **Total tonnes** | | **2,952,145** |

Figures 5 and 6 present typical Level and Cross Sections.

The drill indicated tonnage to the a depth of 350 metres below the surface is in the range of 3.0 to 3.9 million tonnes, or 10,000 to 13,000 tonnes per vertical metre (taking into consideration overburden and a crown pillar beneath the overburden).

The mineralized zone is open at depth and the Author is of the opinion that it is reasonable to conclude that the zone should continue for at least an additional 300 metres.

The Author therefore concludes that the geological potential of the Property is in the range of 6.0 to 7.8 million tonnes to a depth of 650 metres below the surface.

### 16.3. 2 Geological Grade Potential

The Author reviewed all assay data for the project in detail and prepared a new set of composite intercepts. The statistics of the composites making up the database are very similar to the statistics of the Dome Mine (Rogers 1982).

Approximately 63% of intercepts through the vein structure return less than 1.7 grams gold per tonne, the average for all composites greater than 1.7 grams gold per tonne is 5.5 grams gold per tonne, and the average of the upper 25 % of the intercepts is 8 grams gold per tonne. The vein intercepts that returned less than 1.7 grams gold per tonne generally display geochemically anomalous assay results.

The geological setting and mineralization on the Property is similar to the mineralization in the Bell Creek-Hoyle Pond trend of the Timmins Camp. In that area, structurally controlled gold vein systems occur primarily within mafic volcanic rocks with Porcupine assemblage sedimentary rocks on the hanging wall side of the mafic volcanics and Kidd-Munro assemblage ultramafic volcanic rocks on the footwall side. Average grades for producing and past producing mines along that trend are as follows:

**Table 5 Comparable Producers**

| | **Tons** | **Ounces Produced** | **In-situ oz./ton** | **In-situ grams/tonne** |
|---|---|---|---|---|
| Bell Creek (Underground) | 576,017 | 112,739 | 0.24 | 8.2 |
| Owl Creek (Open Pit) | 1,984.000 | 236,880 | 0.14 | 4.8 |
| Hoyle Pond (Underground) | 6,087.040 | 2,316,346 | 0.44 | 15.1 |

Based on the assay data base for the Property, comparison to other gold deposits in the area in similar geological settings, and the results of the resource estimates contained in this Report, the Author assumes that the average gold grade for the Property will be in the range of 8 to 10 grams per tonne. The Author concludes that the geological potential of the property to a depth of 650 metres below surface is in the range of 1.5 to 2.5 million ounces of contained gold.

***The reader is cautioned that information presented on similar properties in this section is not necessarily indicative of the mineralization on the Property that is the subject of this Report.***

## 16.4 RESOURCE ESTIMATE

### 16.4.1 Resource Criteria

The mineral resources are defined in terms of the NI-43-101 regulations (See Appendix 2). Only indicated and inferred mineral resources are considered in this estimate.

The mineral resource estimate was carried out using industry standard polygonal longitudinal section methodology. The mineral resources are undiluted and none of the high assays have been capped.

Indicated Mineral Resource estimates were based upon a 12.5 metre radius of influence around drill hole intercepts, whereas Drill Inferred Resource estimates were based upon a 25 metre radius of influence around drill hole intercepts. A specific gravity of 2.8 was used for tonnage calculations

Appendix 5 contains details of the resource estimate, including the longitudinal section drawing and Appendix 3 presents all of the significant drill hole intercepts.

### 16.4.2 Mineral Resource Estimates

Table 6 presents a summary of the mineral resource estimate for the Property.

**Table 6**
**Mineral Resource Estimate as of January 2008**

| | Tonnes | Grade Grams/tonne | Contained Gold troy ounces |
|---|---|---|---|
| **Indicate Mineral Resource (to 350m)** | **362,090** | **8.0** | **93,140** |
| **Inferred Mineral Resource** | | | |
| **Drill Inferred (to 350m)** | **114,990** | **6.3** | **23,290** |
| **Inferred Extensions (350 to 650m)** | **477,080** | **7.6** | **116,590** |
| **Total Inferred Mineral Resources** | **592,070** | **7.3** | **139,880** |

## 17.0 OTHER RELEVANT INFORMATION

There is no other relevant information known to the Author that if undisclosed would make this Report misleading or would make this Report more understandable.

# 18.0 PRELIMINARY ASSESSMENT, TULLY GOLD PROJECT

## 18.1 INTRODUCTION

Pursuant to NI 43-101, Section 2.3, an Issuer may report in writing a preliminary assessment that includes inferred resources if the results of the preliminary assessment are a material change or a material fact with regard to the Issuer and the disclosure includes appropriate cautionary statements.

The objective of this preliminary assessment is to determine the potential economic viability of the Property.

***The following Preliminary Assessment is preliminary in nature, and includes inferred resources that are considered too speculative geologically to have economic considerations applied to them that would allow them to be categorized as mineral reserves and thus there is no certainty that the preliminary assessment will be realized.***

## 18.2 ASSUMPTIONS

The Author retained P&E Mining Consultants ("P&E") to prepare Scoping Costs for underground exploration and predevelopment of the Property (Buck 2007). The estimates cover preproduction expenditures for an exploration ramp from surface and development on the ore zone; capital and operating costs for a 1,000 tonne per day mining operation and mill; and custom processing and transportation costs for the scenario where the production from the operation is custom milled.

The P&E report is presented in its entirety in Appendix 6. The P&E report includes a thorough review of all assumptions made relating to the predevelopment underground exploration program and ultimately development of an operating mine and mill.

The P&E data was used in the Author's earlier report on the Property (George 2008). For purposes of this Report the P&E operating and capital costs as tabulated in Appendix 6 have been increased by a factor of 5% to allow for three years of inflation to 2010 dollars.

For purposes of evaluation of a 500 tonne per day mining operation the costs in the P&E report have been adjusted accordingly.

### 18.2.1 Predevelopment Costs

Predevelopment costs are based upon the P&E report plus 5%.

### 18.2.2 Development Costs

Development costs are based upon a 350,000 tonne per year mining and milling operation and are taken from the P&E report. Development costs for a 150,000 tonne per year operation would be lower, however, the Author has retained the P&E development costs (plus 5%) for purposes of this preliminary assessment.

### 18.2.3 Production Forecast

Production is based on a 500 tonne per day milling operation with the mill operating 300 days per year, for a total of 150,000 tonnes per year of mill feed.

For purposes of this preliminary assessment, the average estimated grade of the resource is used for all production years. In reality the grade will vary from stope to stope and annually will vary depending on where mining is occurring within the mineralized zone.

It is assumed that only 90% of the resource will be recovered and that mill recovery will be 95% of contained gold. Mining dilution is estimated at 10%.

#### 18.2.4 Gold Price, Exchange Rate, and Inflation

A base case gold price of US$ 1,200 per ounce is assumed. In the preliminary assessment, a sensitivity analysis is presented for a range of gold prices.

Inflation is ignored and the cash flow is assumed to be in constant year 2010 Canadian dollars. This is a common assumption in the evaluation of mining assets.

#### 18.2.5 Operating Costs

Operating costs are based upon the P&E report and assume contract mining and custom milling. Mining costs are estimated to be $54.60 per tonne based upon 30% long hole stoping ($35.70 per tonne) and 70% shrinkage stoping ($63 per tonne). Indirect costs from the P&E estimates have been reduced by reducing power, indirect materials, and indirect labour by 75% to reflect lower power, material and indirect labour at a 500 tonne per day mining rate.

Custom milling costs (including trucking) are estimated to be $32.25 per tonne.

The reduced indirect cost per tonne mined is $26.43 versus $30.73 in the P&E report.

#### 18.2.6 Capital Costs

Capital costs are based upon the P&E report plus 5% and exclude construction of a mill on site.

No working capital was included in the P&E report. For purposes of this preliminary assessment the Author has assumed that the initial 6 months of operating costs will have to be covered by working capital and basically not be recovered until closure of the operations. At an operating cost of $114.00 per tonne the working capital costs (6 months) will be approximately $9,665,000.

No closure costs were included in the P&E report. For purposes of this preliminary assessment the Author has assumed that the salvage value of site equipment will cover the closure costs.

#### 18.2.7 Federal, Provincial, and Municipal Taxes

The preliminary assessment assumes a total tax burden of 35% with no taxes payable until recovery of 100% of preproduction capital pools.

### 18.3 ENVIRONMENTAL CONSIDERATIONS

It is beyond the scope of this report to fully examine all environmental considerations, however, any future mining development on the Property, including an underground exploration program, will have to meet all of the current regulatory requirements for mining operations in Ontario.

There are no current environmental liabilities on the Property.

No Closure and Rehabilitation Plan has been developed for the proposed underground exploration program.

### 18.4 PRELIMINARY ECONOMIC ASSESSMENT

***The following Preliminary Assessment is preliminary in nature, and includes inferred resources that are considered too speculative geologically to have economic considerations applied to them that would allow them to be categorized as mineral reserves and thus there is no certainty that the preliminary assessment will be realized.***

Table 7 summarizes a 6-year life-of-mine economic analysis based upon the assumptions contained in Section 18.2. Subject to confirmation of measured and indicated resources that can be categorized as proven and probable reserves, the Author concludes that the Property has economic potential.

### 18.4.1 Payback and Breakeven

At US$1200 gold price, payback will be achieved in 2.2 years from start of production or 3.2 years from start of underground exploration and development program. Operational breakeven US$ gold price is US$470 per ounce and breakeven US$ gold price for recovery of capital is US$635 per ounce.

### 18.4.2 Mine Life

A minimum 6.5-year mine life is projected based on indicated and inferred resources.

### 18.4.3 Sensitivity Analysis

A Sensitivity Analysis table is presented at the bottom of Table 7. The project is economically robust based on current cost factors assumed as well as over the +/- 30% sensitivity range for major economic factors (gold price, operating costs, and capital costs).

TABLE 7 - PRELIMINARY ECONOMIC ASSESSMENT
TULLY GOLD PROJECT

**PRELIMINARY ASSESSMENT - SGX RESOURCES INC. - TULLY GOLD PROJECT - 500 TONNES PER DAY - CONTRACT MINING - CUSTOM MILLING - CONSTANT 2010 CANADIAN DOLLARS**

**Effective Date August 1, 2010**
**Geoex Limited**

**Gold Price US$ $ 1,200.00**
**1US$= $ 1.05 Canadian dollars**

| **RESOURCES** | **Units** | | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end Indicated Mineral Resources | tonnes | | 362,090 | 312,090 | 162,090 | 12,090 | | | | | |
| In-situ Grade | g/t | | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | | | | |
| Year-end Inferred Mineral Resources | tonnes | | 592,070 | 592,070 | 592,070 | 592,070 | 454,160 | 304,160 | 154,160 | 4,160 | |
| In Situ Grade | g/t | | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| **PRODUCTION** | | | | | | | | | | | |
| Preliminary Bulk Sample | | **50,000** | | 50,000 | | | | | | | |
| In-Situ Grade | | | | 8.0 | | | | | | | |
| Annual Production | | | | | | | | | | | |
| Indicated Resource | | **312,090** | | | 150,000 | 150,000 | 12,090 | | | | |
| In Situ Grade | | | | | 8.0 | 8.0 | 8.0 | | | | |
| Inferred Resource | | **592,070** | | | | | 137,910 | 150,000 | 150000 | 150000 | 4,160 |
| In Situ Grade | | | | | | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| Mining Dilution | % | | 10% | 10% | 10% | 10% | 10% | 10% | 10% | 10% | 10% |
| Mill Call Factor | % | | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% | 90% |
| Mill Recovery | % | | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% |
| Tonnes Milled | | **944,618** | | 49,500 | 148,500 | 148,500 | 148,500 | 148,500 | 148,500 | 148,500 | 4,118 |
| Gold Produced | grams | **6,789,311** | | 376,200 | 1,128,600 | 1,128,600 | 1,037,807 | 1,029,848 | 1,029,848 | 1,029,848 | 28,561 |
| Gold Produced | ounces | **218,304** | | 12,096 | 36,289 | 36,289 | 33,370 | 33,114 | 33,114 | 33,114 | 918 |
| **GOLD PRICE** | $ CDN | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 | $ 1,260.00 |
| **GROSS PRODUCTION INCOME** | | **$ 275,063,040** | | **$ 15,240,960** | **$ 45,724,140** | **$ 45,724,140** | **$ 42,046,200** | **$ 41,723,640** | **$ 41,723,640** | **$ 41,723,640** | **$ 1,156,680** |
| **OPERATING COSTS** | | | | | | | | | | | |
| **Contract Mining (per tonne mined)** | **$ 54.60** | $ 52,097,136 | | $ 2,730,000 | $ 8,190,000 | $ 8,190,000 | $ 8,190,000 | $ 8,190,000 | $ 8,190,000 | $ 8,190,000 | $ 227,136 |
| **Contract Milling (per tonne milled)** | **$ 32.25** | $ 30,463,943 | | $ 1,596,375 | $ 4,789,125 | $ 4,789,125 | $ 4,789,125 | $ 4,789,125 | $ 4,789,125 | $ 4,789,125 | $ 132,818 |
| **Indirect (per tonne mined)** | **$ 26.50** | $ 25,285,240 | | $ 1,325,000 | $ 3,975,000 | $ 3,975,000 | $ 3,975,000 | $ 3,975,000 | $ 3,975,000 | $ 3,975,000 | $ 110,240 |
| **Total Operating Costs** | | **$ 107,846,319** | | $ 5,651,375 | $ 16,954,125 | $ 16,954,125 | $ 16,954,125 | $ 16,954,125 | $ 16,954,125 | $ 16,954,125 | $ 470,194 |
| **Operating Cost per ounce** | | **$ 494** | | $ 467 | $ 467 | $ 467 | $ 508 | $ 512 | $ 512 | $ 512 | $ 512 |
| **Operating Cost per tonne** | | **$ 114** | | $ 114 | $ 114 | $ 114 | $ 114 | $ 114 | $ 114 | $ 114 | $ 114 |
| **CASHFLOW FROM OPERATIONS (EBITDA)** | | **$ 167,216,721** | | **$ 9,589,585** | **$ 28,770,015** | **$ 28,770,015** | **$ 25,092,075** | **$ 24,769,515** | **$ 24,769,515** | **$ 24,769,515** | **$ 686,486** |
| **ROYALTIES** | | | | | | | | | | | |
| **Talisman** | | | | $ 479,479 | $ 1,438,501 | $ 1,438,501 | $ 1,254,604 | $ 1,238,476 | $ 1,238,476 | $ 1,238,476 | $ 34,324 |
| **CAPITAL COSTS** | | | | | | | | | | | |
| **Ramp and Underground Development** | | **$ 15,800,000** | $ 7,900,000 | $ 7,900,000 | | | | | | | |
| **Drilling** | | **$ 1,575,000** | $ 1,575,000 | | | | | | | | |
| **Permitting and Feas. Study** | | **$ 1,575,000** | $ 787,500 | $ 787,500 | | | | | | | |
| **Production Infrastructure (excluding mill and tailings)** | | **$ 6,300,000** | | $ 6,300,000 | | | | | | | |
| **Replacement Capital** | | **$ 10,500,000** | | | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ - | $ - |
| **Working Capital** | | **$ -** | | $ 9,665,000 | | | | | | | -$ 9,665,000 |
| **Total Capital Costs** | | **$ 35,750,000** | $ 10,262,500 | $ 24,652,500 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ - | -$ 9,665,000 |
| **CASH SURPLUS PRETAX** | | **$ 123,105,885** | -$ 10,262,500 | -$ 15,542,394 | $ 25,231,514 | $ 25,231,514 | $ 21,737,471 | $ 21,431,039 | $ 21,431,039 | $ 23,531,039 | $ 10,317,161 |
| **CUMULATIVE CASH SURPLUS** | | | -$ 10,262,500 | -$ 25,804,894 | -$ 573,380 | $ 24,658,134 | $ 46,395,606 | $ 67,826,645 | $ 89,257,684 | $ 112,788,723 | $ 123,105,885 |
| **INCOME** | | | | $ 9,589,585 | $ 28,770,015 | $ 28,770,015 | $ 25,092,075 | $ 24,769,515 | $ 24,769,515 | $ 24,769,515 | $ 686,486 |
| **TAX PAYABLE** | | **$ 42,390,332** | | $ - | $ - | $ - | $ - | $ 25,786,672 | $ 7,934,330 | $ 8,669,330 | $ - |
| **CASH SURPLUS AFTER TAX** | | **$ 80,715,552** | -$ 10,262,500 | -$ 15,542,394 | $ 25,231,514 | $ 25,231,514 | $ 21,737,471 | -$ 4,355,633 | $ 13,496,709 | $ 14,861,709 | $ 10,317,161 |
| **CUMULATIVE CASH SURPLUS** | | | -$ 10,262,500 | -$ 25,804,894 | -$ 573,380 | $ 24,658,134 | $ 46,395,606 | $ 42,039,973 | $ 55,536,682 | $ 70,398,391 | $ 80,715,552 |
| **DCF-ROR** | | 62% | | | | | | | | | |

***This Preliminary Assessment is preliminary in nature, and includes inferred resources that are considered too speculative geologically to have economic considerations applied to them that would allow them to be categorized as mineral reserves and thus there is no certainty that the preliminary assessment will be realized.***

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|---|---|---|---|
| Capital Pools - Opening | $ - | $ 10,262,500 | $ 34,915,000 | $ 27,425,415 | $ 755,400 | -$ 25,914,615 | -$ 48,906,690 | $ 2,100,000 | $ - |
| Additions | $ 10,262,500 | $ 24,652,500 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ 2,100,000 | $ - | -$ 9,665,000 |
| Write-offs Used | | $ - | $ 9,589,585 | $ 28,770,015 | $ 28,770,015 | $ 25,092,075 | -$ 48,906,690 | $ 2,100,000 | $ - |
| Capital Pools - Year End | $ 10,262,500 | $ 34,915,000 | $ 27,425,415 | $ 755,400 | -$ 25,914,615 | -$ 48,906,690 | $ 2,100,000 | $ - | -$ 9,665,000 |
| Income | $ - | $ 9,589,585 | $ 28,770,015 | $ 28,770,015 | $ 25,092,075 | $ 24,769,515 | $ 24,769,515 | $ 24,769,515 | $ 686,486 |
| Write offs | $ - | $ 9,589,585 | $ 28,770,015 | $ 28,770,015 | $ 25,092,075 | -$ 48,906,690 | $ 2,100,000 | $ - | $ - |
| Taxable Income | $ - | $ - | $ - | $ - | $ - | $ 73,676,205 | $ 22,669,515 | $ 24,769,515 | |
| Tax Payable 35% | $ - | $ - | $ - | $ - | $ - | $ 25,786,672 | $ 7,934,330 | $ 8,669,330 | $ - |

**SENSITIVITY ANALYSIS - EBITDA vs Gold Price, Operating Costs, and Capital Costs**

| | | | | **EBITDA (Cashflow from Operations)** | | | | |
|---|---|---|---|---|---|---|---|---|
| **VARIABLE** | **+30%** | **+20%** | **+10%** | **0%** | **-10%** | **-20%** | **-30%** | Factor |
| **Gold Price** | $ 249,735,633 | $ 222,229,329 | $ 194,723,025 | $ 167,216,721 | $ 139,710,417 | $ 112,204,113 | $ 84,697,809 | 1.0 |
| **Operating Costs** | $ 134,862,825 | $ 145,647,457 | $ 156,432,089 | $ 167,216,721 | $ 178,001,353 | $ 188,785,984 | $ 199,570,616 | 1.0 |
| **Capital Costs** | $ 167,216,721 | $ 167,216,721 | $ 167,216,721 | $ 167,216,721 | $ 167,216,721 | $ 167,216,721 | $ 167,216,721 | 1.0 |

**SENSITIVITY ANALYSIS - Cash Surplus Pretax vs Gold Price, Operating Costs, and Capital Costs**

| | | | | **Cash Surplus Pretax** | | | |
|---|---|---|---|---|---|---|---|
| **VARIABLE** | **+30%** | **+20%** | **+10%** | **0%** | **-10%** | **-20%** | **-30%** |
| Gold Price | $ 201,498,851 | $ 175,367,862 | $ 149,236,873 | $ 123,105,885 | $ 96,974,896 | $ 70,843,907 | $ 44,712,918 |
| Operating Costs | $ 92,369,684 | $ 102,615,084 | $ 112,860,484 | $ 123,105,885 | $ 133,351,285 | $ 143,596,685 | $ 153,842,086 |
| Capital Costs | $ 112,380,885 | $ 115,955,885 | $ 119,530,885 | $ 123,105,885 | $ 126,680,885 | $ 130,255,885 | $ 133,830,885 |

**SENSITIVITY ANALYSIS - Breakeven Gold Price vs Operating Costs, and Capital Costs**

| | | | | **Breakeven Gold Price US$ for Recovery of Capital** | | | | |
|---|---|---|---|---|---|---|---|---|
| **VARIABLE** | **+30%** | **+20%** | **+10%** | **0%** | **-10%** | **-20%** | **-30%** | |
| Operating Costs | $ 775 | $ 730 | $ 680 | $ 635 | $ 590 | $ 540 | $ 495 | $ 1,200 |
| Capital Costs | $ 685 | $ 670 | $ 650 | $ 635 | $ 620 | $ 600 | $ 585 | |
| Operating and Capital Costs | $ 825 | $ 760 | $ 700 | $ 635 | $ 570 | $ 510 | $ 445 | |

## 19.0 INTERPRETATION AND CONCLUSIONS

Drilling completed to date on the Property has provided sufficient data for the Author to complete an initial interpretation of the geometry of the vein system in plan and sectional views.

The Author concludes that the data density and reliability of the drilling database is sufficient to complete an estimate of the indicated and inferred resources on the Property and as well, to make an estimate of the overall geological potential of the Property.

In the Author's opinion, the geological setting of the Property is sufficiently well defined to conclude that there is a valid comparison to be made between the Property and the mines that occur in the Bell Creek-Hoyle Pond trend of the Timmins gold camp.

The Author concludes that the in-situ grade potential of the Property will ultimately be in the range from 8 to 10 grams gold per tonne, based upon (1) a comparison of the assay database to the Dome Mine (Rogers 1982), (2) the average grades of mines in the Bell Creek-Hoyle Pond trend, and (3) the results of the initial resource estimate that has been completed for the Property.

Table 8 summarizes the geological potential estimate and the mineral resource estimate that the Author has completed.

A preliminary economic assessment of the Project indicates that the Property has economic potential. The fact that there are currently operating mines in the Timmins gold camp also supports the conclusion that Timmins-type gold mineralization can be operated on a sound economic basis.

The economics of the project, as is the case with all mineral deposits, is sensitive to commodity prices, inflation, operating costs, capital costs and unforeseen international economic conditions.

The Author concludes that the work completed to date on the Property has demonstrated the presence of a significant gold resource that warrants an underground exploration and development program with the objective to confirm the geometry and continuity of the vein structures and to confirm sufficient measured and indicated mineral resources to warrant completion of a feasibility study. The author further concludes that additional drilling is warranted to extend the depth potential as well as the potential along strike to the east and west.

**Table 8**
**Summary of Mineral Resource and Geological Potential Estimates as of January 2008**

| | Tonnes | Grade Grams/tonne | Contained Gold troy ounces |
|---|---|---|---|
| **Indicate Mineral Resource (to 350m)** | **362,090** | **8.0** | **93,140** |
| **Inferred Mineral Resource** | | | |
| **Drill Inferred (to 350m)** | **114,990** | **6.3** | **23,290** |
| **Inferred Extensions (350 to 650m)** | **477,080** | **7.6** | **116,590** |
| **Total Inferred Mineral Resources** | **592,070** | **7.3** | **139,880** |
| **Geological Potential (to 650m)** | **6 to 7.8 million** | **8.0 to 10** | **1.5 to 2.5 million** |

## 20.0 RECOMMENDATIONS

The Author recommends that the Company initiate planning for an underground exploration program on the Property with the objective to confirm the geometry and continuity of the vein structures and to confirm sufficient measured and indicated mineral resources to warrant completion of a feasibility study.

The author further recommends that additional drilling is warranted to extend the depth potential as well as the potential along strike to the east and west.

Subject to completion of a positive feasibility study, the Author also recommends that the Company initiate planning for possible future mining on the Property by starting a program of environmental monitoring and other related work that may be required for the ultimate granting of operating permits by the various regulatory authorities.

Based on the preliminary scoping study prepared for this Report (Buck 2007) the following program and budget (adjusted for 5% inflation to 2010) is recommended:

**Phase 1 Program**

1) Upgrade the gravel road access to the site and extend it to the area where the proposed ramp will be collared.
2) Establish a ramp from surface to the 150 metre level below surface and establish exploration drifts and crosscuts. It is recommended that the Company orient the ramp in order to access the area around UTM co-ordinate 486 250 E (NAD 83 datum).
3) Complete an underground drilling program and bulk sampling program with the objective to confirm sufficient measured and indicated mineral resource to warrant completion of a feasibility study.
4) Complete preliminary permitting work in preparation for Phase 2 Program.
5) Complete additional drilling, to further assess the depth and along strike potential of the resource, 17 holes totalling 6,000 metres.

**Phase 1 Budget**

| | |
|---|---:|
| 1) Items 1 and 2 above (Buck 2007) | 15,800,000 |
| 2) Underground drilling (10,000 metres @ $150/metre) | 1,575,000 |
| 3) Bulk Sample (50,000 tonnes @ $100/tonne) | 5,250,000 |
| 4) Preliminary Permitting Work | 525,000 |
| 5) Additional Surface drilling (6,000 metres @ $150/m all inclusive) | 900,000 |
| **TOTAL PHASE 1 BUDGET** | **24,050,000** |

**Phase 2 Program**

1) Complete Feasibility Study and Permitting
2) Install all site services and infrastructure (Buck 2007).

**Phase 2 Budget (Assuming a decision is made to build mill and tails facility)**

| | |
|---|---:|
| 1) Complete Feasibility Study and Permitting | 1,575,000 |
| 2) Install all site services and infrastructure (Buck 2007) | 45,500,000 |

**TOTAL PHASE 2 BUDGET** **47,075,000**

The Author is of the opinion that the proposed Phase 1 program is warranted in order to bring the Property to the feasibility study phase. The Phase 2 budget is preliminary in nature and is provided in order to indicate to the Company approximate future project costs.

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## 22.0 DATE AND SIGNATURE PAGE

The undersigned prepared this Report, titled Technical Report on the Geological Potential, Mineral Resource Estimate and Preliminary Assessment of the Tully Gold Property, Tully Township, Porcupine Mining Division, Ontario for SGX Resources Inc. and San Gold Corporation, dated October 19, 2010, with and effective date of August 1, 2010, to provided the management and boards of directors of the Companies with technical information that would allow corporate decisions to be made with regard to the future exploration and development of the Property. The format and content of the report are intended to conform to Form 43-101F1 of National Instrument 43-101 of the Canadian Securities Administrators.

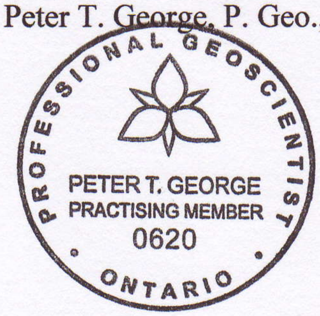
Signed

"Peter T. George"

Peter T. George, P.Geo.
Consulting Geologist

October 19, 2010

Original sealed by
Peter T. George, P. Geo., Ontario #620



# 23.0 CERTIFICATE

I, Peter T. George of Suite 1605, 250 Queens Quay West, Toronto, Ontario, Canada, M5J 2N2, hereby certify that:

1. I am a self-employed consulting geologist.

2. I am a graduate of Queen's University, Kingston, Ontario with an Honours Bachelor of Science (1964) degree in geology and I completed two years of graduate study in geology at Queen's University (1964-66).

3. I am a Fellow of the Society of Economic Geologists, a Fellow of the Geological Association of Canada and a Member of the Association of Professional Geologists of Ontario (Member #620).

4. I have worked as a geologist for 44 years, with continuous experience as a geologist in the mining industry. I have been directly involved in the preparation of technical reports on numerous gold and base metal mining operations. In the past 5 years I have participated in evaluation reports relating to the Hudson Bay Mining and Smelting mining, smelting and refining operations in Flin Flon, Manitoba, Canada; the Balmat zinc mine located in northern New York State, United States of America, the Scotia Mine project located in Nova Scotia, Canada, the East Tennessee zinc mining operations of Asarco, the Golden Grove base metal operations of Newmont in Western Australia, and the Bissett gold mining operations located in Manitoba, Canada. I have completed or have been engaged to complete resource and reserve estimates for the San Gold Corporation gold mining operations in Bissett, Manitoba, the Gold Eagle gold project in the Red Lake area, Ontario, and the Valgold Resources Ltd. gold project in Garrison Township, Ontario

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I am fully responsible for the preparation of this technical report titled "TECHNICAL REPORT, GEOLOGICAL POTENTIAL, MINERAL RESOURCE ESTIMATE, AND PRELIMINARY ASSESSMENT OF THE TIMMINS GOLD PROJECT, TULLY TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO, FOR SGX RESOURCES INC. AND SAN GOLD CORPORATION", dated October 19, 2010 (the "Report"). I recently visited the property on August 16, 2010, November 1, 2007 and in addition visited the core shack and reviewed drill core, sampling procedures and database compilation procedures with site geologists in November 1998 after the 1997 drill program had been completed.

7. I was an independent director of Black Pearl Resources Consolidated Inc. from 2004 to mid 2007. I neither hold any shares in nor have I ever held any shares in Black Pearl. I prepared a technical evaluation of the Property for Blackhawk Mining in 1996 and a technical report on the Property for Black Pearl in January 1998.

8. As of the date of the certificate to the best of my knowledge, information and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.

9. I am independent of the Company pursuant to Section 1.4 of National Instrument 43-101.

10. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report covers the appropriate technical matter required by NI 43-101.

11. I consent to the use of this Technical Report for filing with regulatory agencies and posting on SEDAR and as may be required by the Company for financing or other regulatory purposes or for presentation to financial advisors of the Company.

Dated this 19 Day of October, 2010

Signed by

" Peter T. George"

Signature of Qualified Person

Peter T. George, P. Geo.

Print name of Qualified Person

Original sealed by

Peter T. George P.Geo., Ontario #620

PROFESSIONAL GEOSCIENTIST
PETER T. GEORGE
PRACTISING MEMBER
0620
ONTARIO

# APPENDIX – 1

## FIGURES

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

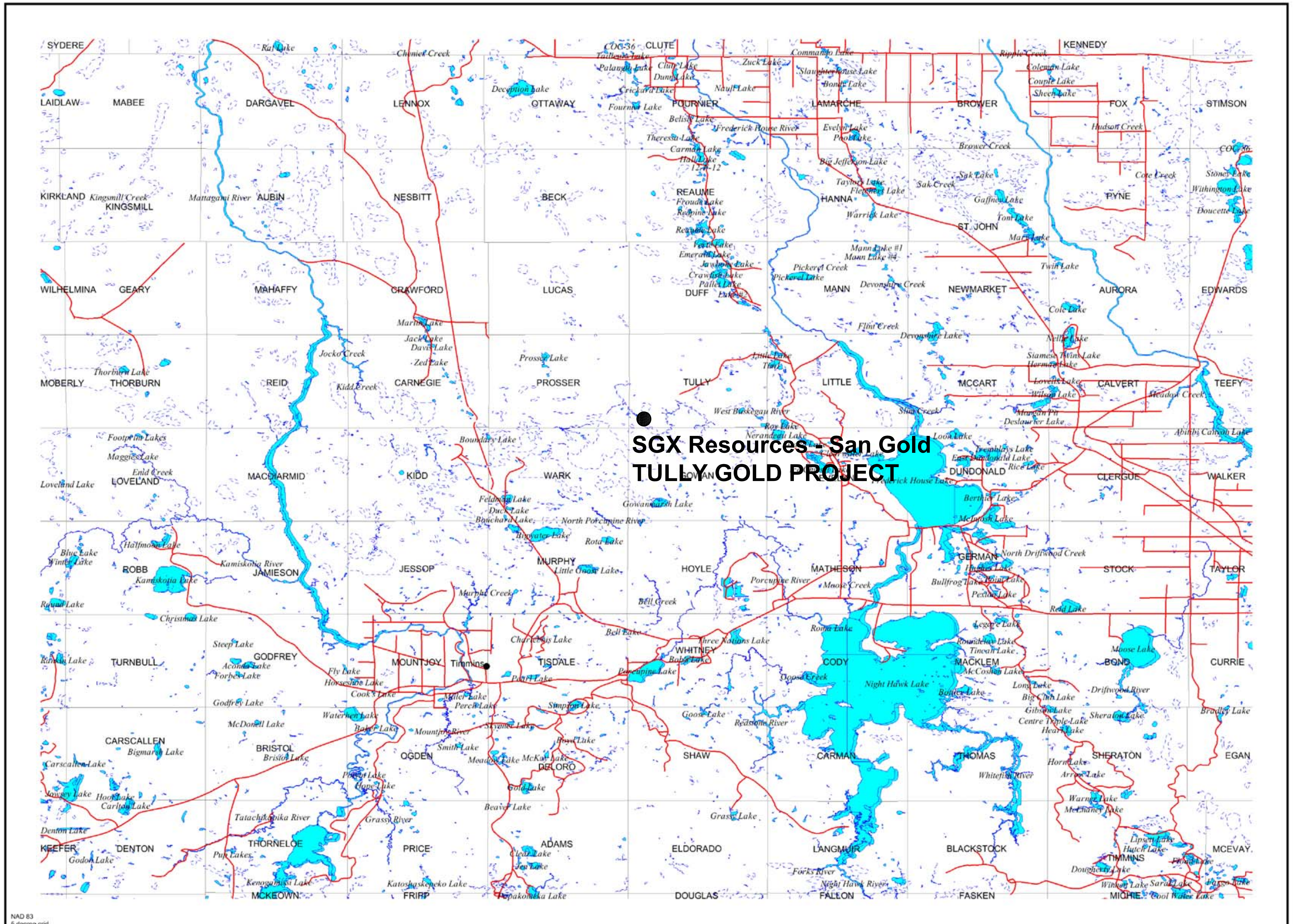
Date / Time of Issue: Sat Aug 25 13:14:35 EDT 2007

**TOWNSHIP / AREA** GOWAN

**PLAN** G-3946

**ADMINISTRATIVE DISTRICTS / DIVISIONS**

| | |
|---|---|
| Mining Division | Porcupine |
| Land Titles/Registry Division | COCHRANE |
| Ministry of Natural Resources District | TIMMINS |




TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation

- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

LAND TENURE WITHDRAWALS

- 1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

- Ns IMPORTANT NOTICES

Scale 1:287136

5km 0km 15km

**FIGURE 1**
**REGIONAL LOCATION MAP**

**GEOEX Limited - August 2010**

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5778
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: Geographic Coordinates
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

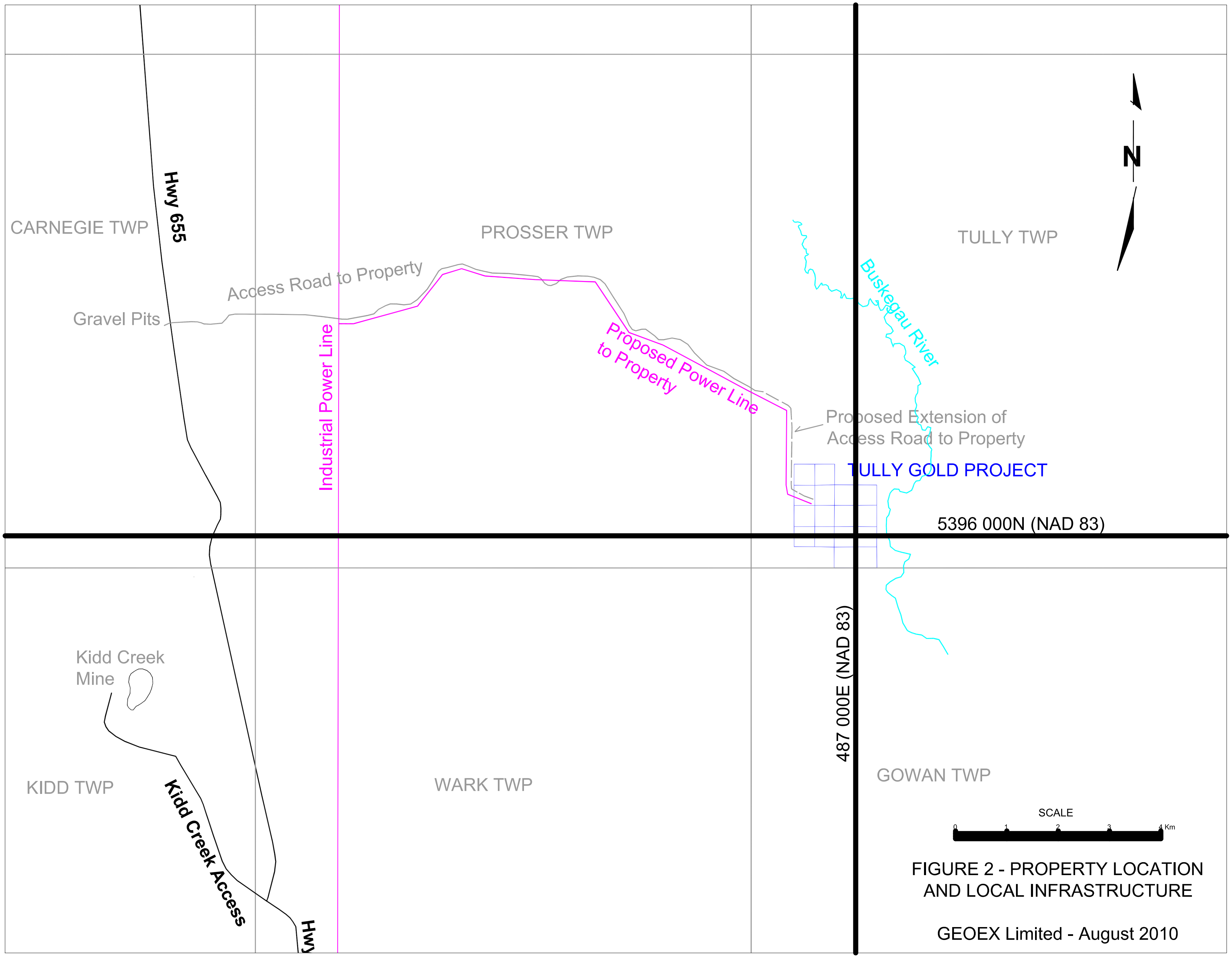
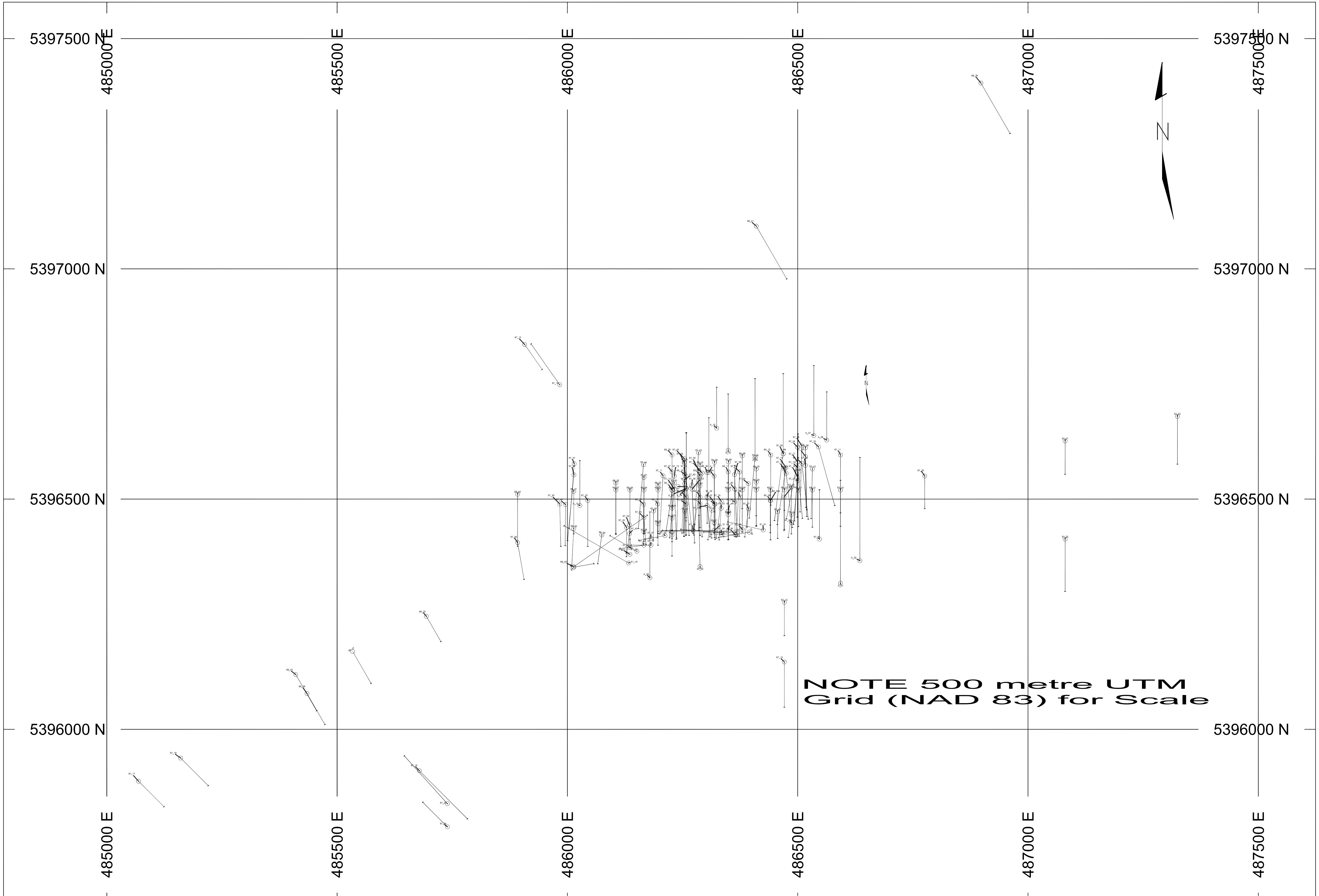
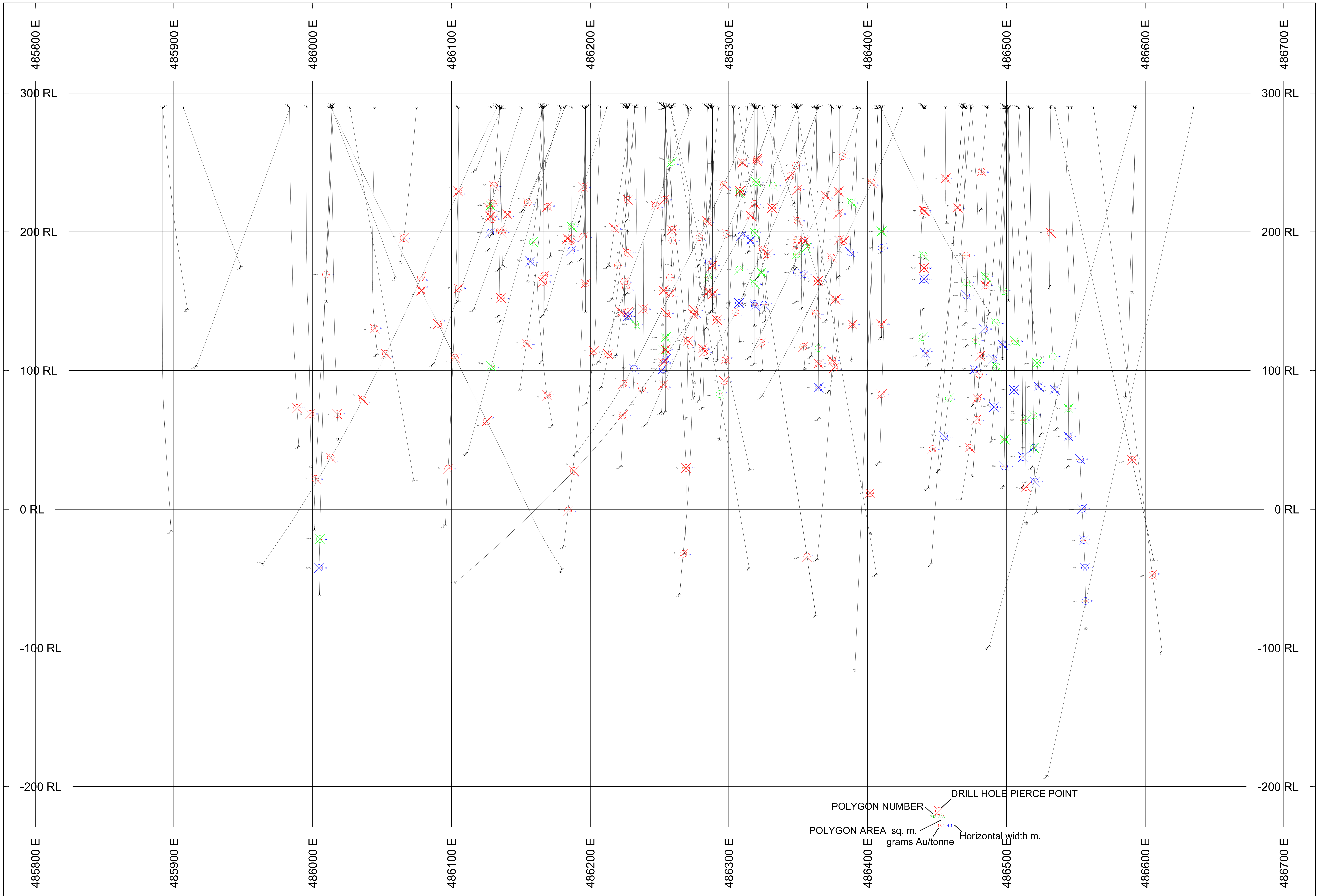



FIGURE 2 - PROPERTY LOCATION AND LOCAL INFRASTRUCTURE

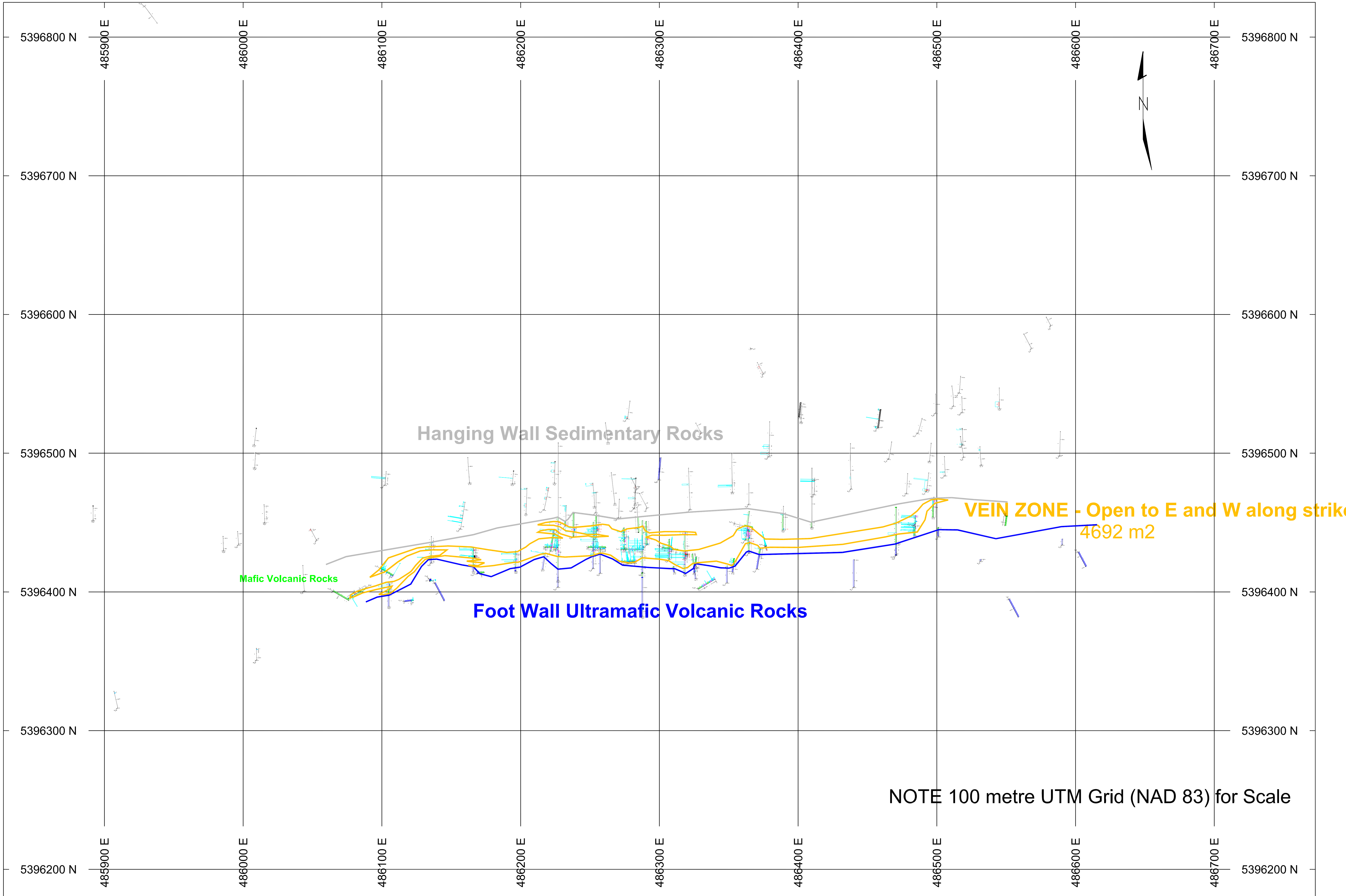
GEOEX Limited - August 2010




GEOEX LIMITED - DRILL PLAN - SEPTEMBER 2010 FIGURE 4

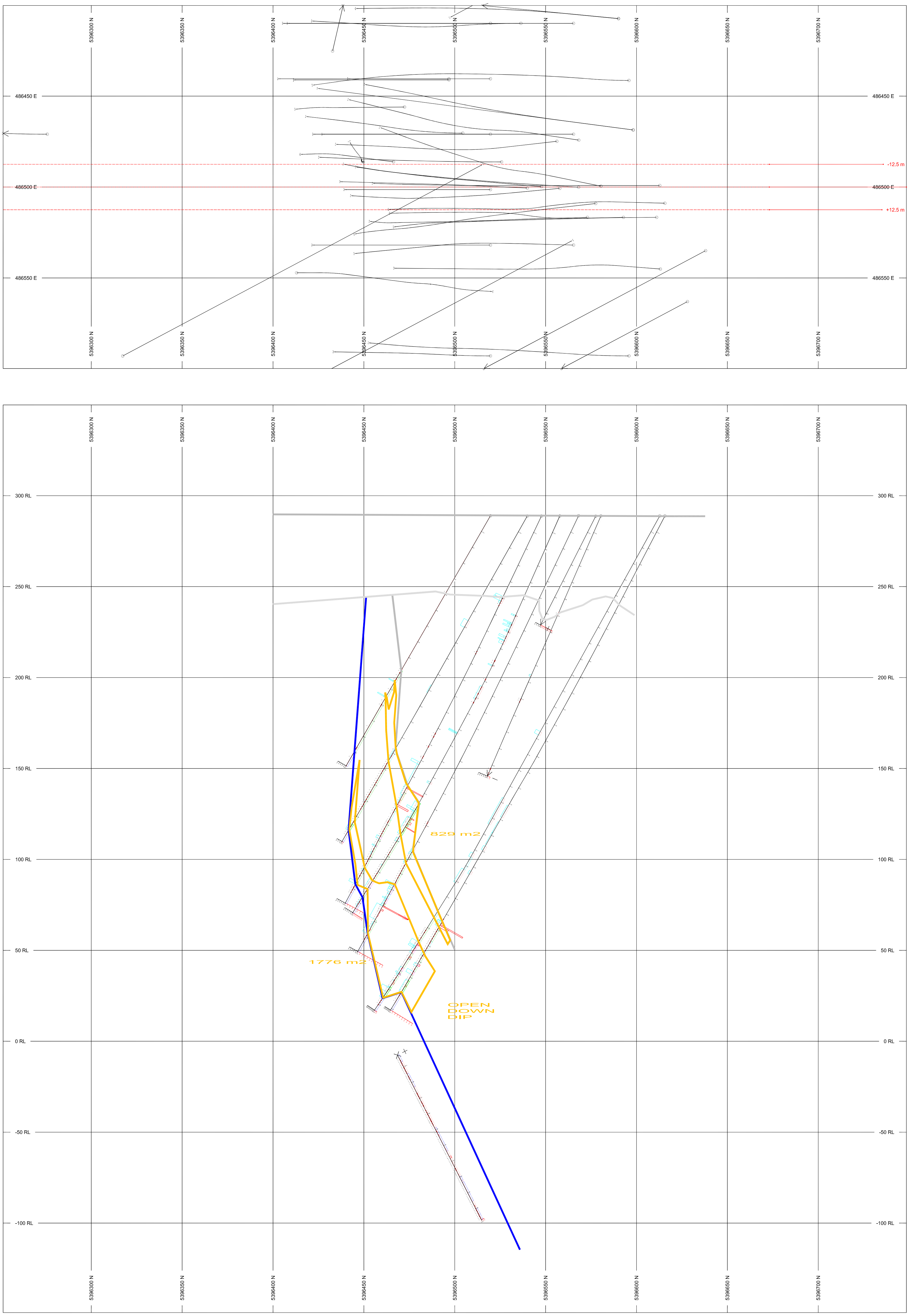



GEOEX LIMITED - DRILL HOLES AND POLYGON PIERCE POINTS ON LONGITUDINAL SECTION LOOKING NORTH - JANUARY 2008 - FIGURE 4




GEOEX LIMITED - 150 METRE LEVEL (asl) - JANUARY 2008

FIGURE 5




GEOEX LIMITED - 6500 E SECTION - JANUARY 2008

TIMMINS OFFSETS GOLD PROJECT - SECTION 486 500E - LOOKING WEST

FIGURE 6

# APPENDIX – 2

## NATIONAL INSTRUMENT 43-101
## MINERAL RESOURCE AND MINERAL RESERVE DEFINITIONS

**Mineral Resource**

Mineral Resources are sub-divided, in order of increasing geological confidence, into Inferred, Indicated, and Measured categories. An Inferred Mineral Resource has a lower level of confidence that that applied to an Indicated Mineral Resource. An Indicated Mineral Resource has a higher level of confidence than an Inferred Mineral Resource but has a lower level of confidence than a Measured Mineral Resource.

A **Mineral Resource** is a concentration or occurrence of natural, solid, inorganic or fossilized organic material in or on the Earth's crust in such form and quantity and of such grade or quality that it has reasonable prospects of economic extraction. The location, quantity, grade, geological characteristics and continuity of a Mineral Resource are known, estimated or interpreted from specific geological evidence and knowledge.

The term Mineral Resource cover mineralisation and natural material of intrinsic economic interest which has been identified and estimated through exploration and sampling and within which Mineral Reserves may subsequently defined by the consideration and application of technical, economic, legal, environmental, socio-economic, and governmental factors. The phrase "reasonable prospect of economic extraction" implies a judgement by the Qualified Person in respect of the technical and economic factors likely to influence the prospect of economic extraction. A Mineral Resource is an inventory of mineralisation that under realistically assumed and justifiable technical and economic conditions might become economically extractable. These assumptions must be presented explicitly in both public and technical reports.

An **Inferred Mineral Resource** is that part of a Mineral Resource for which quantity and grade or quality can be estimated on the basis of geological evidence and reasonably assumed, but not verified, geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes.

An **Indicated Mineral Resource** is that part of a Mineral Resource for which quantity, grade or quality, densities, shapes and physical characteristics, can be estimated with a level of confidence sufficient to allow the appropriate application of technical and economic parameters, to support mine planning and evaluation of economic viability of the deposit. The estimate is based on detailed and reliable exploration and test information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes that are spaced closely enough for geological and grade continuity to be reasonably assumed.

A **Measured Mineral Resource** is that part if a Mineral Resource for which quantity, grade or quality, densities, shape, and physical characteristics are so well-established that they can be estimated with confidence sufficient to allow the appropriate application of technical and economic parameters to support production planning and evaluation of the economic viability of the deposit. The estimate is based on detailed and reliable exploration, sampling and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes that are spaced closely enough to confirm both the geological and grade continuity.

**Mineral Reserve**

Mineral Reserves are subdivided in order of increasing confidence into Probable Mineral Reserves and Proven Mineral Reserves. A Probable Mineral Reserve has a lower confidence level that a Proven Mineral Reserve.

A **Mineral Reserve** is the economically mineable part of a Measured or Indicated Mineral Resource demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic and other relevant factors that demonstrate, at the time of reporting, that economic mineral extraction can be justified. A Mineral Reserve includes diluting materials and allowances for losses that may occur when material is mined.

Mineral Reserves are those parts of Mineral Resources which, after the application of all mining factors, result in an estimated tonnage and grade which, in the opinion of the Qualified Person(s) making the estimates, is the basis of an economically viable project after taking account of all relevant processing, metallurgical, economic, marketing, legal, environmental, socio-economic, and government factors. Mineral reserves are inclusive of diluting material that will be mined in conjunction with the Mineral Reserves and delivered to the treatment plant or equivalent facility. The term "Mineral Reserve" need not necessarily signify that extraction facilities are in place or operative or that all governmental approvals have been received. It does signify that there are reasonable expectations of such approvals.

A **Probable Mineral Reserve** is the economically mineable part of an Indicated Mineral Resource, and in some cases a Measured Mineral Resource, demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic, and other relevant factors that demonstrate, at the time of reporting, that economic extraction can be justified.

A **Proven Mineral Reserve** is the economically mineable part of a Measured Mineral Resource demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic, and other relevant factors that demonstrate, at the time of reporting, that economic extraction is justified.

Application of the term Proven Mineral Reserve category implies that the Qualified Person has the highest degree of confidence in the estimate with the consequent expectation in the minds of the reader of the report. The term should be restricted to that part of the deposit where production planning is taking place and for which any variation of the estimate would not significantly affect the economic viability

# APPENDIX – 3

## SUMMARY OF COMPOSITE ASSAY INTERSECTIONS
## TULLY GOLD PROPERTY

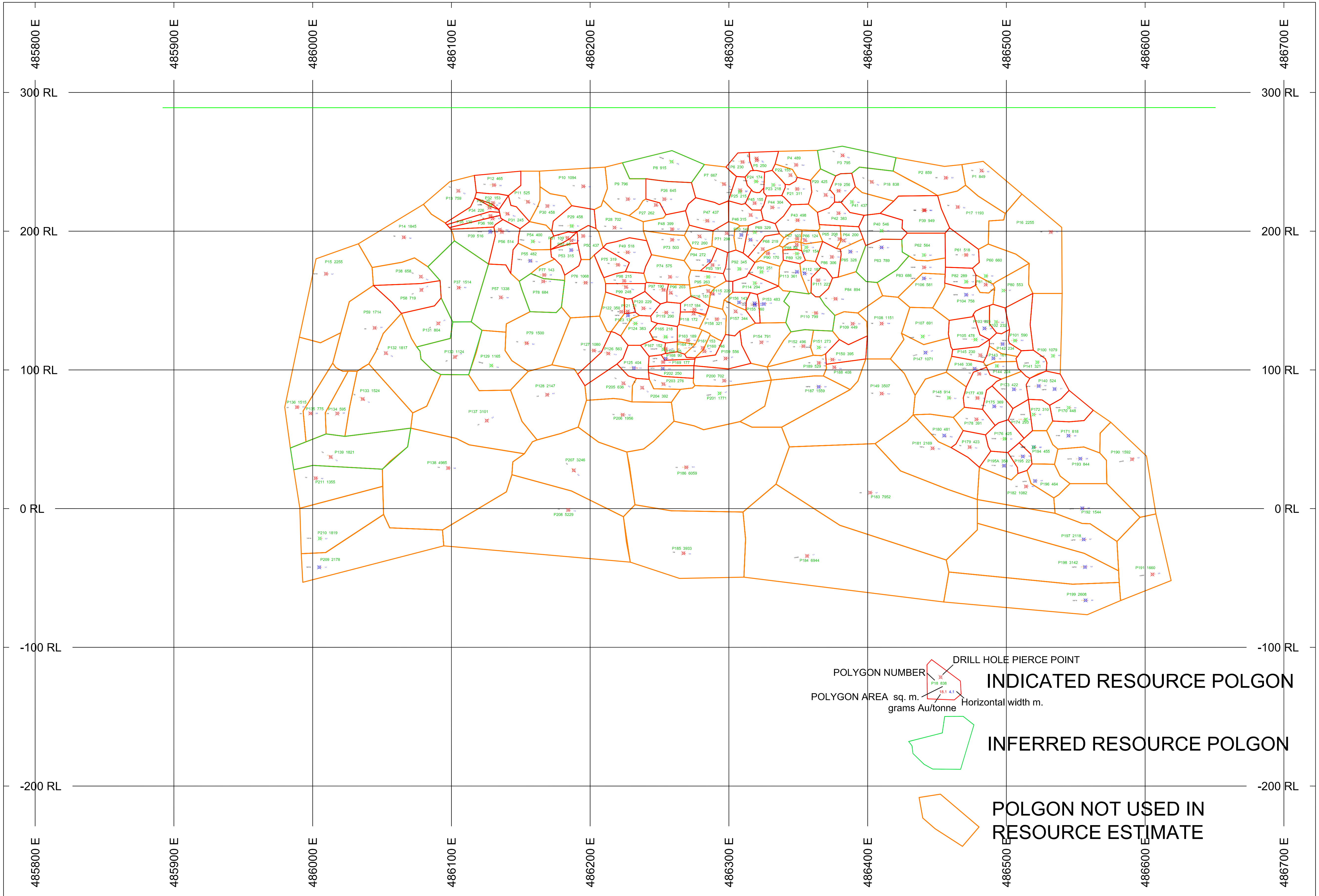
| Level | Section | Hole ID | from (m) | to(m) | length | Uncut g/t | VG | Long Section Pierce Point | | | Horiz. | Assays in Composite | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | m | | | PPt E | PPt N | PPt Elev | width | Min g/t | Max g/t | number |
| 175 | 6300 | 69_01 | 160.02 | 167.64 | 7.62 | 6.08 | | 486288 | 5396434 | 176 | 4.9 | 0.51 | 22.44 | 6 |
| 175 | 6225 | 69_02 | 123.75 | 147.83 | 24.08 | 3.88 | 5 VG | 486227 | 5396434 | 186 | 5.9 | 0.00 | 47.26 | 30 |
| 175 | 6200 | 69_03 | 149.87 | 160.02 | 10.15 | 1.59 | VG | 486197 | 5396430 | 162 | 6.1 | 0.00 | 9.52 | 9 |
| 150 | 6175 | 69_04 | 151.79 | 153.28 | 1.49 | 10.16 | VG | 486166 | 5396433 | 164 | 7.9 | 0.00 | 203.32 | 15 |
| 150 | 6125 | 69_05 | 159.72 | 165.51 | 5.79 | 0.32 | | 486135 | 5396431 | 151 | 3.4 | 0.68 | 2.38 | 10 |
| 175 | 6325 | 69_06A | 164.53 | 168.83 | 4.30 | 3.87 | | 486318 | 5396443 | 163 | 3.2 | 0.34 | 11.152 | 7 |
| 150 | 6325 | 69_06A | 186.84 | 195.71 | 8.87 | 14.68 | 3 VG | 486318 | 5396425 | 147 | 8 | 0.00 | 336.26 | 16 |
| 150 | 6100 | 69_07 | 172.15 | 180.38 | 8.23 | 0.00 | | 486106 | 5396403 | 160 | 9.8 | 0.00 | 4.42 | 14 |
| 200 | 6350 | 69_08 | 123.29 | 129.02 | 5.73 | 1.34 | VG | 486349 | 5396437 | 195 | 4.9 | 0.00 | 11.73 | 10 |
| 200 | 6450 | 69_09 | 121.77 | 125.36 | 3.60 | 0.41 | | 486379 | 5396440 | 194 | 2.7 | 0.00 | 2.38 | 4 |
| 200 | 6400 | 69_10 | 121.31 | 122.96 | 1.65 | 2.84 | | 486411 | 5396439 | 201 | 1.3 | 0.34 | 9.35 | 3 |
| 200 | 6400 | 69_10 | 148.74 | 150.94 | 2.19 | 4.68 | VG | 486411 | 5396413 | 188 | 2.1 | 0.00 | 17.68 | 4 |
| 175 | 6450 | 69_11 | 128.11 | 134.57 | 6.46 | 0.85 | | 486441 | 5396444 | 184 | 4.4 | 0.00 | 2.04 | 9 |
| 175 | 6450 | 69_11 | 141.21 | 145.18 | 3.96 | 1.41 | | 486441 | 5396435 | 174 | 2.9 | 0.00 | 4.42 | 5 |
| 150 | 6450 | 69_11 | 151.61 | 157.34 | 5.73 | 0.77 | | 486441 | 5396427 | 166 | 4.2 | 0.00 | 4.08 | 7 |
| 175 | 6475 | 69_12 | 114.30 | 134.05 | 19.75 | 3.28 | 2 VG | 486471 | 5396455 | 183 | 11.6 | 0.00 | 23.12 | 18 |
| 150 | 6300 | 69_14 | 185.53 | 206.14 | 20.60 | 0.58 | VG | 486288 | 5396440 | 155 | 15.8 | 0.00 | 8.5 | 20 |
| 200 | 6525 | 69_15 | 105.61 | 108.51 | 2.90 | 0.55 | | 486532 | 5396461 | 198 | 1.7 | 0.00 | 1.7 | 3 |
| 175 | 6250 | 69_16 | 156.85 | 169.47 | 12.62 | 0.73 | | 486258 | 5396446 | 167 | 11.7 | 0.00 | 4.42 | 15 |
| 175 | 6350 | 69_17 | 161.12 | 168.98 | 7.86 | 4.44 | 2 VG | 486348 | 5396438 | 184 | 6.3 | 0.00 | 49.3 | 10 |
| 175 | 6350 | 69_17 | 178.64 | 188.73 | 10.09 | 0.51 | | 486348 | 5396427 | 169 | 6,5 | 0.00 | 5.1 | 6 |
| 125 | 6400 | 69_18 | 203.76 | 214.88 | 11.13 | 1.13 | | 486409 | 5396435 | 133 | 10.4 | 0.00 | 25.84 | 7 |
| 175 | 6475 | 69_19 | 163.59 | 165.14 | 1.55 | 9.51 | | 486471 | 5396463 | 164 | 2.5 | 0.34 | 42.84 | 4 |
| 150 | 6475 | 69_19 | 179.92 | 181.60 | 1.68 | 0.34 | | 486471 | 5396449 | 154 | 1.5 | 0.34 | 0.34 | 1 |
| 150 | 6225 | 69_20 | 217.47 | 220.28 | 2.80 | 2.14 | VG | 486227 | 5396449 | 142 | 3.2 | 0.00 | 6.12 | 5 |
| 150 | 6225 | 69_20 | 238.51 | 243.23 | 4.72 | 0.72 | | 486227 | 5396428 | 139 | 4.7 | 0.00 | 1.7 | 5 |
| 200 | 6325 | 69_21 | 83.52 | 97.72 | 14.20 | 2.00 | VG | 486319 | 5396436 | 196 | 2.5 | 1.02 | 7.82 | 11 |
| 150 | 6325 | 69_21 | 130.45 | 155.11 | 24.66 | 18.82 | 2 VG | 486319 | 5396427 | 151 | 4.9 | 0.00 | 150.62 | 14 |
| 175 | 6325 | 80_01 | 122.22 | 140.36 | 18.14 | 1.21 | VG | 486323 | 5396433 | 172 | 9.7 | 0.00 | 10.54 | 32 |
| 150 | 6325 | 80_01 | 157.58 | 160.48 | 2.90 | 0.87 | VG | 486325 | 5396417 | 148 | 1.9 | 0.07 | 3.06 | 6 |
| 250 | 6350 | 80_02 | 47.55 | 62.94 | 15.39 | 1.17 | | 486348 | 5396431 | 249 | 10.2 | 0.00 | 15.47 | 21 |
| 225 | 6325 | 80_03 | 61.90 | 68.61 | 6.71 | 6.77 | VG | 486320 | 5396451 | 236 | 4.3 | 0.17 | 48.28 | 10 |
| 225 | 6325 | 80_03 | 80.13 | 90.95 | 10.82 | 2.66 | | 486319 | 5396438 | 220 | 7.1 | 0.17 | 15.64 | 16 |
| 200 | 6325 | 80_03 | 119.60 | 125.09 | 5.49 | 1.58 | VG | 486315 | 5396413 | 194 | 3.8 | 0.00 | 6.29 | 7 |
| 125 | 6350 | 80_04 | 218.85 | 232.11 | 13.26 | 0.45 | 2 VG | 486353 | 5396442 | 118 | 11.1 | 0.00 | 4.08 | 24 |
| 125 | 6325 | 80_05 | 222.05 | 224.64 | 2.59 | 0.53 | | 486322 | 5396438 | 120 | 2.1 | 0.00 | 1.19 | 4 |
| 100 | 6375 | 80_06 | 241.61 | 252.27 | 10.65 | 0.29 | | 486376 | 5396443 | 102 | 8.4 | 0.00 | 2.55 | 22 |
| 200 | 6275 | 80_07 | 87.93 | 100.92 | 12.98 | 1.95 | 2 VG | 486284 | 5396442 | 209 | 8.5 | 0.00 | 16.6 | 25 |
| 200 | 6250 | 80_08A | 104.24 | 111.25 | 7.01 | 0.80 | | 486258 | 5396441 | 201 | 4.7 | 0.00 | 6.8 | 15 |
| 200 | 6250 | 80_08A | 115.09 | 121.65 | 6.55 | 0.47 | | 486259 | 5396434 | 194 | 5 | 0.00 | 1.87 | 15 |
| 225 | 6450 | 80_09 | 87.39 | 93.09 | 5.70 | 0.83 | VG | 486441 | 5396445 | 215 | 3.5 | 0.07 | 3.06 | 12 |
| 225 | 6450 | 80_09A | 89.79 | 95.28 | 5.49 | 2.30 | | 486442 | 5396442 | 216 | 5,2 | 0.00 | 16.15 | 10 |
| 200 | 6225 | 80_10A | 95.22 | 104.12 | 8.90 | 0.71 | | 486218 | 5396432 | 204 | 6.6 | 0.00 | 2.38 | 21 |
| 175 | 6225 | 80_11 | 126.19 | 148.38 | 22.19 | 5.88 | 7 VG | 486220 | 5396442 | 174 | 15.8 | 0.00 | 56.76 | 44 |
| 125 | 6450 | 80_12 | 217.58 | 219.21 | 1.63 | 0.25 | | 486440 | 5396457 | 124 | 1.1 | 0.00 | 0.17 | 3 |
| 100 | 6450 | 80_12 | 239.36 | 242.93 | 3.57 | 0.31 | | 486442 | 5396439 | 113 | 2.9 | 0.00 | 1.53 | 6 |
| 200 | 6200 | 80_13 | 102.72 | 122.99 | 20.27 | 0.99 | | 486195 | 5396426 | 199 | 11 | 0.00 | 3.91 | 39 |
| 225 | 6475 | 80_14 | 87.48 | 95.10 | 7.62 | 1.25 | | 486466 | 5396449 | 219 | 5.5 | 0.00 | 7.82 | 12 |
| 200 | 6150 | 80_15 | 113.43 | 116.59 | 3.15 | 0.77 | | 486158 | 5396426 | 193 | 1.5 | 0.17 | 1.36 | 7 |
| 175 | 6150 | 80_15 | 123.84 | 140.21 | 16.37 | 1.22 | VG | 486156 | 5396417 | 179 | 9.1 | 0.00 | 7.99 | 35 |
| 250 | 6400 | 81_01 | 34.59 | 81.69 | 47.09 | 1.70 | 2 VG | 486402 | 5396438 | 236 | 5.2 | 0.00 | 62.56 | 66 |
| 200 | 6375 | 81_01 | 81.69 | 128.78 | 47.09 | 0.47 | VG | 486382 | 5396442 | 194 | 4,6 | 0.00 | 5.27 | 57 |
| 200 | 6325 | 81_02 | 97.11 | 121.86 | 24.75 | 1.06 | | 486325 | 5396429 | 187 | 7.9 | 0.00 | 6.63 | 46 |
| 150 | 6300 | 81_02 | 147.89 | 169.35 | 21.46 | 0.28 | | 486306 | 5396431 | 142 | 2.5 | 0.00 | 2.55 | 16 |
| 250 | 6250 | 81_03 | 37.86 | 44.68 | 6.83 | 3.14 | VG | 486259 | 5396432 | 251 | 6.8 | 0.51 | 18.87 | 10 |
| 225 | 6250 | 81_03 | 57.82 | 90.77 | 32.95 | 0.58 | | 486250 | 5396431 | 219 | 5 | 0.00 | 5.1 | 55 |
| 200 | 6225 | 81_03 | 93.79 | 181.08 | 87.29 | 2.61 | 5 VG | 486228 | 396431 | 160 | 13.9 | 0.00 | 214.88 | 96 |
| 250 | 6375 | 81_04 | 33.53 | 39.62 | 6.10 | 3.99 | | 486381 | 5396426 | 255 | 0.5 | 0.85 | 6.12 | 6 |
| 225 | 6375 | 81_04 | 62.03 | 73.40 | 11.37 | 0.25 | | 486370 | 5396424 | 227 | 0.7 | 0.00 | 14.28 | 12 |
| 200 | 6350 | 81_04 | 96.93 | 111.40 | 14.48 | 0.57 | | 486354 | 5396417 | 193 | 3 | 0.00 | 4.08 | 25 |
| 200 | 6175 | 81_05 | 83.21 | 113.02 | 29.81 | 3.87 | 2 VG | 486185 | 5396416 | 197 | 14.5 | 0.00 | 185.64 | 44 |
| 250 | 6325 | 81_06 | 36.27 | 43.59 | 7.32 | 0.21 | | 486321 | 5396424 | 251 | 3.1 | 0.00 | 3.23 | 5 |
| 250 | 6350 | 81_08 | 42.43 | 62.64 | 20.21 | 0.13 | | 486344 | 5396420 | 241 | 4.7 | 0.00 | 2.04 | 23 |
| 250 | 6325 | 81_09 | 31.70 | 46.94 | 15.24 | 5.67 | VG | 486322 | 5396426 | 252 | 3.1 | 0.00 | 54.74 | 22 |
| 225 | 6300 | 81_09 | 70.20 | 123.99 | 53.80 | 0.78 | | 486300 | 5396424 | 200 | 6.6 | 0.00 | 5.27 | 80 |
| 175 | 6275 | 81_09 | 130.76 | 188.76 | 58.00 | 0.51 | | 486273 | 5396421 | 140 | 16.9 | 0.00 | 8.84 | 68 |
| 100 | 6250 | 81_09 | 208.94 | 221.19 | 12.25 | 1.22 | VG | 486252 | 5396420 | 90 | 3.8 | 0.00 | 26.18 | 17 |
| 250 | 6300 | 81_10 | 37.49 | 80.99 | 43.49 | 2.78 | 4 VG | 486298 | 5396432 | 233 | 6.3 | 0.00 | 156.4 | 63 |
| 200 | 6275 | 81_10 | 98.45 | 103.33 | 4.88 | 0.94 | VG | 486278 | 5396432 | 198 | 1.5 | 0.00 | 8.67 | 5 |
| 150 | 6250 | 81_10 | 140.21 | 153.10 | 12.89 | 0.82 | | 486257 | 5396432 | 155 | 2.4 | 0.17 | 8.16 | 15 |
| 100 | 6225 | 81_10 | 207.26 | 232.87 | 25.60 | 0.56 | | 486225 | 5396432 | 92 | 5 | 0.00 | 4.25 | 29 |
| 200 | 6325 | 81_11 | 75.71 | 92.66 | 16.95 | 1.36 | | 486315 | 5396430 | 212 | 3.5 | 0.00 | 9.52 | 24 |
| 150 | 6275 | 81_11 | 141.88 | 152.46 | 10.58 | 1.21 | VG | 486285 | 5396430 | 156 | 12.8 | 0.00 | 17.85 | 15 |
| 75 | 6225 | 81_11 | 229.09 | 233.69 | 4.60 | 0.59 | | 486237 | 5396430 | 86 | 12 | 0.00 | 3.57 | 5 |
| 50 | 6200 | 81_11 | 277.83 | 339.97 | 62.15 | 0.64 | VG | 486190 | 5396430 | 30 | 5.8 | 0.00 | 6.46 | 76 |
| 250 | 6150 | 81_12 | 38.40 | 106.71 | 68.31 | 0.64 | 2 VG | 486156 | 5396399 | 222 | 7.5 | 0.00 | 29.92 | 83 |
| 225 | 6150 | 81_13 | 55.63 | 105.83 | 50.20 | 6.84 | 5 VG | 486140 | 5396396 | 212 | 16.2 | 0.00 | 1700 | 79 |
| 250 | 6125 | 81_14 | 45.72 | 108.20 | 62.48 | 4.02 | 7 VG | 486128 | 5396399 | 217 | 4.1 | 0.00 | 260.78 | 100 |

| Level | Section | Hole ID | from (m) | to(m) | length | Uncut g/t | VG | Long Section Pierce Point | | | Horiz. | Assays in Composite | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | m | | | PPt E | PPt N | PPt Elev | width | Min g/t | Max g/t | number |
| 225 | 6125 | 81_16 | 50.29 | 85.34 | 35.05 | 0.65 | | 486105 | 5396378 | 224 | 5.2 | 0.00 | 3.74 | 45 |
| 175 | 6075 | 81_16 | 134.51 | 139.90 | 5.39 | 1.69 | | 486077 | 5396392 | 166 | 3.9 | 0.85 | 2.72 | 6 |
| 125 | 6050 | 81_16 | 192.63 | 206.44 | 13.81 | 1.04 | | 486052 | 5396407 | 112 | 3.9 | 0.00 | 7.48 | 15 |
| 100 | 6050 | 81_16 | 233.48 | 242.01 | 8.53 | 0.54 | 2 VG | 486038 | 5396416 | 79 | 1.5 | 0.00 | 2.55 | 10 |
| 50 | 6025 | 81_16 | 280.72 | 293.98 | 13.26 | 7.11 | 2 VG | 486013 | 5396430 | 36 | 1.5 | 0.00 | 149.6 | 20 |
| 125 | 6150 | 87_01 | 191.57 | 220.98 | 29.41 | 0.94 | VG | 486154 | 5396429 | 116 | 18.7 | 0.41 | 60.486 | 26 |
| 125 | 6275 | 87_02 | 205.22 | 217.20 | 11.98 | 1.34 | | 486282 | 5396446 | 114 | 9.4 | 0.27 | 8.67 | 15 |
| 125 | 6050 | 87_03 | 180.75 | 196.90 | 16.15 | 0.30 | | 486045 | 5396394 | 129 | 2.8 | 0.17 | 4.114 | 9 |
| 175 | 6475 | 87_05 | 135.58 | 142.04 | 6.46 | 1.98 | | 486484 | 5396458 | 168 | 2.5 | 0.34 | 13.056 | 8 |
| 150 | 6475 | 87_05 | 145.36 | 146.94 | 1.58 | 0.41 | | 486484 | 5396448 | 144 | 2.5 | 0.00 | 3.162 | 3 |
| 125 | 6475 | 87_05 | 180.56 | 184.10 | 3.54 | 1.91 | | 486483 | 5396437 | 131 | 2 | 0.14 | 21.318 | 4 |
| 100 | 6475 | 87_06 | 172.52 | 184.71 | 12.19 | 1.62 | | 486479 | 5396446 | 106 | 6 | 0.68 | 15.164 | 15 |
| 100 | 6475 | 87_06 | 187.76 | 196.17 | 8.41 | 6.40 | | 486478 | 5396446 | 98 | 4 | 0.75 | 143.786 | 11 |
| 100 | 6475 | 87_06 | 200.74 | 218.08 | 17.34 | 1.03 | VG | 486477 | 5396445 | 81 | 7 | 0.68 | 5.848 | 17 |
| 75 | 6475 | 87_06 | 222.20 | 227.47 | 5.27 | 1.02 | | 486476 | 5396444 | 65 | 3 | 1.02 | 5.712 | 6 |
| 75 | 6225 | 87_07 | 243.35 | 267.89 | 24.54 | 0.42 | VG | 486223 | 5397435 | 72 | 3.8 | 0.44 | 3.842 | 14 |
| 200 | 6175 | 87_08 | 88.09 | 152.89 | 64.80 | 0.92 | 4 VG | 486167 | 5396424 | 171 | 2.6 | 0.17 | 45.73 | 51 |
| 225 | 6375 | 87_09 | 57.91 | 61.60 | 3.69 | 3.18 | VG | 386378 | 5396433 | 229 | 7.3 | 0.17 | 12.954 | 8 |
| 225 | 6375 | 87_09 | 74.83 | 77.27 | 2.44 | 3.01 | | 486376 | 5396433 | 213 | 5 | 0.10 | 7.106 | 4 |
| 150 | 6375 | 87_09 | 128.02 | 147.52 | 19.51 | 1.19 | 2 VG | 486371 | 5396432 | 153 | 16 | 0.54 | 8.082 | 17 |
| 100 | 6375 | 87_09 | 181.05 | 182.21 | 1.16 | 35.09 | 2 VG | 486369 | 5396432 | 107 | 10 | 13.87 | 46.818 | 2 |
| 225 | 6125 | 87_16 | 70.41 | 106.71 | 36.30 | 1.86 | 5 VG | 486135 | 5396404 | 201 | 14.3 | 0.37 | 74.868 | 36 |
| 225 | 6225 | 88_27A | 72.24 | 79.95 | 7.71 | 2.45 | | 486227 | 5396421 | 234 | 4 | 0.10 | 10.778 | 13 |
| 225 | 6225 | 88_28 | 60.66 | 68.88 | 8.23 | 0.81 | | 486220 | 539636 | 227 | 3.4 | 0.07 | 1.666 | 15 |
| 200 | 6075 | 88_29 | 106.68 | 108.17 | 1.49 | 0.07 | | 486086 | 5396370 | 195 | 2,3 | 0.03 | 0.204 | 3 |
| 175 | 6000 | 88_30 | 136.40 | 143.41 | 7.01 | 1.85 | | 486009 | 5396364 | 169 | 2.7 | 0.03 | 15.98 | 14 |
| 75 | 6025 | 88_31 | 243.84 | 251.46 | 7.62 | 1.20 | | 486019 | 5396406 | 69 | 2.6 | 0.03 | 2.89 | 14 |
| 17 | 6100 | 88_32 | 273.10 | 284.07 | 10.97 | 0.03 | | 486098 | 5396435 | 30 | 5.6 | 0.03 | 0.034 | 18 |
| 0 | 6175 | 88_33 | 303.28 | 321.41 | 18.14 | 1.97 | | 486184 | 5396416 | -1.4 | 7.9 | 0.03 | 21.284 | 30 |
| 100 | 6300 | 88_38 | 221.59 | 231.04 | 9.45 | 0.34 | | 486396 | 5396448 | 92 | 5.4 | 0.03 | 1.87 | 12 |
| 100 | 6400 | 88_39 | 212.45 | 239.27 | 26.82 | 1.55 | | 486410 | 5396444 | 82 | 11.7 | 0.03 | 16.864 | 34 |
| 150 | 6075 | 88_40 | 144.63 | 160.32 | 15.70 | 0.80 | | 486075 | 5396376 | 162 | 1.6 | 0.03 | 4.522 | 23 |
| 100 | 6100 | 88_40 | 177.39 | 184.40 | 7.01 | 1.34 | | | | | | 0.03 | 17.85 | 11 |
| 100 | 6125 | 88_40 | 204.89 | 213.24 | 8.35 | 18.58 | VG | | | | | 0.03 | 150.246 | 11 |
| 75 | 6125 | 88_40 | 259.84 | 265.72 | 5.88 | 0.10 | | 486124 | 5396428 | 65 | 2.2 | 0.03 | 0.272 | 7 |
| 125 | 6225 | 97_01 | 173.00 | 186.87 | 13.87 | 0.62 | | 486232 | 5396441 | 126 | 7.2 | 0.07 | 7.378 | 20 |
| 100 | 6225 | 97_01 | 210.77 | 222.99 | 12.22 | 135.77 | 2 VG | 486230 | 5396428 | 100 | 5.3 | 0.03 | 2534.02 | 18 |
| 200 | 6125 | 97_02 | 83.82 | 113.84 | 30.02 | 3.52 | 5 VG | 486135 | 5396403 | 200 | 16.4 | 0.10 | 143.548 | 30 |
| -25 | 6275 | 97_03 | 344.73 | 379.63 | 34.90 | 0.39 | | 486267 | 5396436 | -33 | 4.4 | 0.00 | 4.42 | 27 |
| 150 | 6375 | 97_04 | 179.89 | 200.41 | 20.51 | 5.32 | | 486363 | 5396440 | 141 | 20.8 | 0.07 | 96.662 | 21 |
| 50 | 6450 | 97_05 | 272.64 | 285.54 | 12.89 | 1.17 | | 486446 | 5396464 | 44 | 6.3 | 0.03 | 4.93 | 12 |
| 125 | 6500 | 97_06 | 178.83 | 195.65 | 16.82 | 5.88 | | 486506 | 5396475 | 122 | 10.1 | 0.34 | 73.712 | 20 |
| 100 | 6500 | 97_06 | 225.77 | 231.22 | 5.46 | 0.29 | | 486505 | 5396453 | 86 | 2.9 | 0.00 | 0 | 0 |
| 250 | 6300 | 97_07 | 46.24 | 49.90 | 3.66 | 3.42 | 2 VG | 486310 | 5396449 | 252 | 8.5 | 0.14 | 21.828 | 12 |
| 225 | 6300 | 97_07 | 67.67 | 78.94 | 11.28 | 7.20 | | 486306 | 5396435 | 231 | 6.2 | 0.03 | 10.846 | 13 |
| 25 | 6400 | 97_08 | 300.72 | 311.51 | 10.79 | 0.62 | | 486402 | 5396463 | 12 | 3,7 | 0.07 | 1.428 | 10 |
| 150 | 6250 | 97_09 | 187.63 | 192.88 | 5.24 | 6.44 | | 486253 | 5396444 | 158 | 3.1 | 1.39 | 16.15 | 7 |
| 150 | 6250 | 97_10 | 162.70 | 185.01 | 22.31 | 9.06 | 3 VG | 486242 | 5396443 | 143 | 6.2 | 0.34 | 266.526 | 22 |
| 125 | 6200 | 97_11 | 199.89 | 218.18 | 18.29 | 0.92 | VG | 486203 | 5396438 | 116 | 12.4 | 0.00 | 2.686 | 16 |
| 125 | 6225 | 97_12 | 197.97 | 219.15 | 21.18 | 2.10 | 4 VG | 486214 | 5396444 | 115 | 11.3 | 0.03 | 19.448 | 21 |
| 150 | 6225 | 97_13 | 142.46 | 150.91 | 8.44 | 0.48 | | 486220 | 5396418 | 163 | 10 | 0.03 | 4.726 | 9 |
| 150 | 6225 | 97_13 | 169.07 | 176.66 | 7.59 | 0.91 | | 486220 | 5396432 | 144 | 4.5 | 0.00 | 3.06 | 6 |
| 100 | 6500 | 97_14 | 203.45 | 212.48 | 9.02 | 0.72 | | 486496 | 5396476 | 103 | 4.9 | 0.10 | 1.62 | 8 |
| 75 | 6500 | 97_14 | 224.33 | 257.77 | 33.44 | 8.19 | | 466491 | 5396460 | 75 | 14.9 | 0.03 | 407.4 | 33 |
| 100 | 6525 | 97_15 | 195.22 | 204.73 | 9.51 | 2.06 | | 486533 | 5396476 | 110 | 4 | 0.00 | 19.72 | 8 |
| 100 | 6525 | 97_15 | 224.24 | 231.53 | 7.28 | 0.15 | | 486534 | 5396463 | 86 | 2.1 | 0.00 | 68 | 6 |
| 150 | 6500 | 97_16 | 165.66 | 179.37 | 13.72 | 11.00 | | 486493 | 5396471 | 135 | 6.5 | 0.03 | 131.24 | 11 |
| 150 | 6500 | 97_16 | 200.74 | 203.67 | 2.93 | 1.12 | | 486493 | 5396457 | 108 | 1 | 0.41 | 2.482 | 4 |
| 50 | 6475 | 97_17 | 260.73 | 274.02 | 13.29 | 2.01 | | 486473 | 5396476 | 45 | 5.3 | 0.00 | 5.576 | 13 |
| 125 | 6475 | 97_18 | 182.45 | 201.02 | 18.56 | 7.11 | 4 VG | 486479 | 5396462 | 123 | 15.1 | 0.37 | 82.824 | 26 |
| 125 | 6475 | 97_18 | 214.64 | 217.51 | 2.87 | 1.03 | | 486477 | 5396453 | 106 | 10 | 0.03 | 4.216 | 12 |
| 75 | 6450 | 97_19 | 231.53 | 233.23 | 1.70 | 0.93 | | 486458 | 5396467 | 78 | 3.2 | 0.37 | 4.896 | 8 |
| 75 | 6450 | 97_19 | 245.58 | 280.90 | 35.33 | 0.49 | | 486455 | 5396456 | 55 | 15.6 | 0.00 | 3.91 | 38 |
| 175 | 6375 | 97_20 | 116.01 | 131.86 | 15.85 | 2.53 | | 486374 | 5396443 | 182 | 7.6 | 0.00 | 32.538 | 16 |
| 125 | 6250 | 97_21 | 202.30 | 209.00 | 6.71 | 2.74 | | 486252 | 5396446 | 116 | 2.8 | 0.07 | 2.992 | 6 |
| 125 | 6250 | 97_21 | 214.85 | 218.88 | 4.02 | 0.73 | VG | 486252 | 5396440 | 107 | 3 | 0.10 | 4.556 | 6 |
| 125 | 6250 | 97_21 | 220.46 | 224.88 | 4.42 | 6.14 | VG | 486253 | 5396435 | 101 | 2.2 | 0.10 | 61.03 | 5 |
| 225 | 6250 | 97_22 | 73.55 | 81.26 | 7.71 | 2.75 | | 486253 | 5396435 | 222 | 5.6 | 0.10 | 13.362 | 10 |
| 225 | 6175 | 97_23 | 76.57 | 86.11 | 9.54 | 0.29 | | 486169 | 5396421 | 218 | 5 | 0.00 | 1.36 | 9 |
| 200 | 6175 | 97_24 | 90.34 | 106.16 | 15.82 | 2.94 | 2 VG | 486177 | 5396426 | 203 | 4.1 | 0.03 | 53.108 | 19 |
| 200 | 6175 | 97_24 | 109.18 | 112.26 | 3.08 | 1.65 | VG | 486177 | 5396416 | 189 | 3.9 | 0.24 | 6.188 | 5 |
| 200 | 6175 | 97_24 | 116.07 | 121.46 | 5.39 | 4.40 | | 486186 | 5396415 | 186 | 4.1 | 0.03 | 11.866 | 6 |
| 225 | 6125 | 97_25 | 77.97 | 82.75 | 4.79 | 19.11 | 3 VG | 486128 | 5396400 | 218 | 2.8 | 0.00 | 106.012 | 7 |
| 225 | 6125 | 97_25 | 85.74 | 93.09 | 7.35 | 2.00 | VG | 486128 | 5396395 | 212 | 2.7 | 0.07 | 12.648 | 9 |
| 225 | 6125 | 97_25 | 97.38 | 108.08 | 10.70 | 1.62 | | 486128 | 5396389 | 200 | 4.9 | 0.10 | 12.648 | 11 |
| 175 | 6375 | 97_26 | 144.29 | 146.70 | 2.41 | 2.26 | | 486365 | 5396444 | 161 | 9.8 | 0.24 | 27.2 | 21 |
| 225 | 6400 | 97_27 | 70.47 | 84.12 | 13.66 | 0.05 | | 486402 | 5396444 | 223 | 9.9 | 0.00 | 0.646 | 11 |
| 200 | 6375 | 97_27 | 118.00 | 120.00 | 2.00 | 0.00 | | 486396 | 5396421 | 185 | 1.6 | 0.00 | 0 | 2 |

| Level | Section | Hole ID | from (m) | to(m) | length | Uncut g/t | VG | Long Section Pierce Point | | | Horiz. | Assays in Composite | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | m | | | PPt E | PPt N | PPt Elev | width | Min g/t | Max g/t | number |
| 100 | 6525 | 97_28 | 205.71 | 213.21 | 7.50 | 1.78 | | 486522 | 5396477 | 106 | 3.8 | 0.306 | 4.658 | 9 |
| 100 | 6525 | 97_28 | 222.50 | 237.20 | 14.69 | 7.16 | 2 VG | 486523 | 5396466 | 88 | 7.9 | 0.00 | 87.72 | 18 |
| 75 | 6525 | 97_29 | 238.05 | 247.59 | 9.54 | 1.42 | | 486520 | 5396472 | 67 | 3.2 | 0.00 | 4.012 | 13 |
| 75 | 6525 | 97_29 | 267.25 | 271.07 | 3.83 | 1.51 | | 486520 | 5396461 | 44 | 1.7 | 0.00 | 6.562 | 5 |
| 50 | 6525 | 97_30 | 263.41 | 269.72 | 6.31 | 1.49 | | 486520 | 5396488 | 44 | 2.5 | 0.10 | 4.522 | 10 |
| 25 | 6525 | 97_30 | 287.18 | 299.01 | 11.83 | 0.74 | | 486522 | 5396477 | 20 | 4.9 | 0.07 | 3.774 | 11 |
| 225 | 6300 | 97_31 | 66.05 | 71.75 | 5.70 | 1.62 | | 486309 | 5396455 | 229 | 2.9 | 0.14 | 5.202 | 6 |
| 200 | 6300 | 97_31 | 95.01 | 113.23 | 18.23 | 1.18 | | 486309 | 5396437 | 197 | 8.9 | 0.03 | 4.522 | 20 |
| 175 | 6300 | 97_32 | 122.80 | 139.99 | 17.19 | 1.52 | | 486308 | 5396444 | 174 | 11.4 | 0.07 | 6.562 | 16 |
| 150 | 6300 | 97_32 | 153.50 | 164.74 | 11.25 | 0.42 | | 486308 | 5396430 | 148 | 2.7 | 0.00 | 1.87 | 10 |
| 225 | 6325 | 97_33 | 60.26 | 68.00 | 7.74 | 9.25 | | 486332 | 5396450 | 236 | 2.3 | 0.51 | 26.52 | 10 |
| 225 | 6325 | 97_33 | 80.01 | 85.62 | 5.61 | 4.87 | | 486332 | 5396439 | 217 | 2.3 | 0.20 | 42.636 | 6 |
| 225 | 6350 | 97_34 | 64.25 | 68.76 | 4.51 | 1.78 | | 486349 | 5396443 | 231 | 4.1 | 0.07 | 8.194 | 5 |
| 200 | 6350 | 97_34 | 85.50 | 98.97 | 13.47 | 0.25 | | 486349 | 5396431 | 209 | 7.3 | 0.00 | 4.25 | 11 |
| 200 | 6350 | 97_34 | 109.58 | 116.98 | 7.41 | 1.07 | | 486327 | 5396419 | 190 | 9 | 0.14 | 2.278 | 5 |
| 175 | 6325 | 97_35 | 105.67 | 134.72 | 29.05 | 0.85 | 2 VG | 486327 | 5396435 | 179 | 9 | 0.00 | 8.772 | 26 |
| 25 | 6525 | 97_36 | 288.13 | 316.99 | 28.86 | 0.69 | | 486514 | 5396481 | 16 | 14.7 | 0.03 | 6.936 | 29 |
| 150 | 6250 | 97_37 | 164.10 | 169.62 | 5.52 | 3.58 | | 486239 | 5396424 | 144 | 3.6 | 0.10 | 9.588 | 6 |
| 125 | 6275 | 97_38 | 173.00 | 203.48 | 30.48 | 1.43 | 2 VG | 486272 | 5396446 | 123 | 15.1 | 0.03 | 29.648 | 24 |
| 250 | 6475 | 97_39 | 50.00 | 60.00 | 10.00 | 0.00 | | 486482 | 5396435 | 242 | | | | |
| 250 | 6450 | 97_40 | 59.01 | 64.68 | 5.67 | 0.36 | | 486457 | 5396438 | 239 | 2.3 | 0.00 | 0.816 | 4 |
| 150 | 6300 | 97_41 | 170.17 | 188.95 | 18.78 | 0.56 | VG | 486308 | 5396433 | 137 | 11 | 0.56 | 3.536 | 16 |
| 125 | 6275 | 97_42 | 213.09 | 228.02 | 14.93 | 0.62 | 3 VG | 486271 | 5396446 | 119 | 10.1 | 0.03 | 4.148 | 15 |
| 250 | 6125 | 97_43 | 61.14 | 67.21 | 6.07 | 1.91 | 2 VG | 486130 | 5396395 | 237 | 2.9 | 0.07 | 8.058 | 8 |
| 225 | 6125 | 97_43 | 75.59 | 82.42 | 6.83 | 3.25 | | 486130 | 5396387 | 220 | 7.1 | 0.17 | 20.57 | 7 |
| 200 | 6125 | 97_43 | 87.90 | 95.71 | 7.81 | 2.61 | | 486130 | 5396381 | 210 | 3.2 | 0.17 | 12.886 | 6 |
| 125 | 6400 | 97_44 | 179.28 | 182.88 | 3.60 | 0.99 | | 486389 | 5396441 | 135 | 2.4 | 0.14 | 1.7 | 3 |
| 25 | 6275 | 97_45 | 297.64 | 300.59 | 2.95 | 0.28 | 3 VG | 486269 | 5396436 | 23 | 10 | 0.00 | 3.604 | 21 |
| 75 | 6175 | 97_46 | 243.99 | 256.92 | 12.92 | 0.52 | | 486170 | 5396436 | 82 | 8.5 | 0.52 | 2.346 | 13 |
| 25 | 6000 | 97_47 | 294.62 | 300.23 | 5.61 | 1.45 | | 486002 | 5936447 | 21 | 4.5 | 1.45 | 2.346 | 4 |
| -25 | 6000 | 97_48 | 336.50 | 342.50 | 6.00 | 1.20 | | 486004 | 5396417 | -21 | 2.7 | 0.034 | 2.788 | 4 |
| -50 | 6000 | 97_48 | 359.66 | 365.64 | 5.97 | 1.71 | | 486004 | 5396406 | -43 | 1.7 | 0.03 | 1,802 | 5 |
| 75 | 6000 | 97_49 | 234.03 | 236.83 | 2.80 | 0.23 | | 485995 | 5936402 | 74 | 2 | 0.20 | 0.306 | 3 |
| 75 | 6000 | 97_50 | 231.71 | 234.70 | 2.99 | 0.76 | | 485991 | 5936402 | 74 | 2 | 0.76 | 2.176 | 3 |
| 125 | 6275 | 97_51 | 200.92 | 211.44 | 10.52 | 1.21 | | 486281 | 5396446 | 116 | 6.3 | 0.07 | 5.678 | 11 |
| 17 | 6275 | 97_52 | 131.37 | 138.23 | 6.86 | 0.41 | | 486283 | 5936431 | 179 | 4.2 | 0.10 | 0.714 | 6 |
| 175 | 6275 | 97_52 | 147.95 | 150.66 | 2.71 | 1.34 | 3 VG | 486284 | 5396438 | 168 | 4.3 | 0.136 | 3.978 | 9 |
| 150 | 6275 | 97_53 | 151.18 | 188.18 | 37.00 | 1.85 | 6 VG | 486275 | 5396437 | 146 | 19.3 | 0 | 33.116 | 33 |
| 50 | 6500 | 97_54 | 269.44 | 279.29 | 9.85 | 3.07 | 3 VG | 486499 | 5396478 | 51 | 5.3 | 0.034 | 19.482 | 12 |
| 25 | 6500 | 97_54 | 286.66 | 308.03 | 21.37 | 1.05 | VG | 486498 | 5386466 | 32 | 11 | 0 | 11.152 | 23 |
| 75 | 6550 | 97_55 | 243.93 | 250.73 | 6.80 | 2.50 | | 486546 | 5396494 | 74 | 3.5 | 0.272 | 8.092 | 8 |
| 50 | 6500 | 97_55 | 267.98 | 273.92 | 5.94 | 0.19 | | 486546 | 5396481 | 53 | 0.8 | 0 | 0.272 | 4 |
| 50 | 6500 | 97_56 | 254.66 | 258.17 | 3.51 | 53.63 | 3 VG | 486536 | 5396479 | 53 | 1.9 | 1.156 | 179.826 | 4 |
| 50 | 6500 | 97_56 | 274.62 | 299.31 | 24.69 | 1.74 | 4 VG | 486536 | 5396477 | 38 | 12.4 | 0 | 18.904 | 22 |
| 150 | 6500 | 97_57 | 148.13 | 153.92 | 5.79 | 0.98 | | 486498 | 5396464 | 157 | 3.7 | 0.102 | 2.38 | 5 |
| 125 | 6500 | 97_57 | 192.63 | 198.79 | 6.16 | 1.28 | VG | 486497 | 5396443 | 119 | 3 | 0.034 | 2.686 | 6 |
| 200 | 6350 | 97_58 | 112.01 | 117.50 | 5.49 | 0.19 | | 486356 | 5396439 | 190 | 1.9 | 0 | 0.476 | 5 |
| 175 | 6350 | 97_58 | 131.22 | 141.73 | 10.52 | 0.43 | | 486354 | 5396429 | 171 | 3.5 | 0 | 1.972 | 8 |
| 125 | 6375 | 97_59 | 198.12 | 203.61 | 5.49 | 0.51 | | 486366 | 5396450 | 115 | 2.7 | 0.068 | 1.088 | 5 |
| 100 | 6375 | 97_59 | 210.31 | 217.54 | 7.22 | 0.58 | | 486365 | 5396444 | 106 | 3.6 | 0.068 | 2.992 | 6 |
| 75 | 6375 | 97_59 | 232.01 | 236.22 | 4.21 | 0.37 | VG | 486364 | 5396433 | 88 | 2.4 | 0.102 | 0.85 | 4 |
| 125 | 6250 | 97_60 | 188.00 | 191.66 | 3.66 | 1.63 | VG | 486255 | 5396449 | 124 | 2.8 | 1.258 | 2.176 | 4 |
| 100 | 6250 | 97_60 | 198.73 | 200.56 | 1.83 | 1.14 | 2 VG | 486255 | 5396442 | 111 | 5.6 | 0.204 | 9.656 | 13 |
| 100 | 6250 | 97_60 | 206.84 | 208.64 | 1.80 | 2.38 | | 486255 | 5396446 | 101 | 2.2 | 0.136 | 3.4 | 3 |
| 25 | 6550 | 97_61 | 251.61 | 273.77 | 22.16 | 1.71 | 2 VG | | 5396484 | 36 | 2.8 | 0 | 53.924 | 22 |
| 0 | 6550 | 97_61 | 295.66 | 304.25 | 8.60 | 0.78 | VG | | 5396495 | 0 | 3.6 | 0.306 | 4.828 | 10 |
| -25 | 6550 | 97_61 | 314.55 | 332.38 | 17.83 | 2.95 | 2 VG | | 5396501 | -22 | 3.7 | 0 | 91.834 | 22 |
| -50 | 6550 | 97_61 | 337.35 | 350.58 | 13.23 | 1.17 | 3 VG | | 5396507 | -42 | 3.3 | 0.204 | 11.424 | 16 |
| -75 | 6550 | 97_61 | 359.39 | 378.96 | 19.57 | 0.78 | 4 VG | | 5396514 | -66 | 2.5 | 0 | 6.29 | 22 |
| | | A_01 | | | 0.00 | | | | | | | | | |
| | | A_02 | | | 0.00 | | | | | | | | | |
| | 6400 | A_03 | | | 0.00 | | | | | | | | | |
| 75 | 6300 | A_04 | 211.00 | 227.00 | 16.00 | 0.420 | | 486294 | 5396457 | 84 | 4.7 | 0 | 2.33 | 16 |
| 100 | 6300 | A_05 | 197.00 | 202.00 | 5.00 | 52.81 | | 486398 | 5396449 | 109 | 2.3 | 0.87 | 351.43 | 7 |
| | 6450 | A_06 | | | 0.00 | | | | | | | | | |
| 25 | 6600 | A_07 | 278.00 | 281.00 | 3.00 | | | 486591 | 5369534 | 35 | 1.2 | | | |
| -50 | 6600 | A_08 | 341.61 | 354.63 | 13.02 | 1.48 | | 486604 | 5396549 | -47 | 2.9 | 0 | 6.14 | 17 |
| 100 | 6125 | A_09 | 211.00 | 218.00 | 7.00 | 0.090 | | 486128 | 5396424 | 102 | 3.9 | 0 | 0.23 | 8 |
| | 6350 | A_10 | | | 0.00 | | | | | | | | | |
| -25 | 6350 | A_11 | 337.60 | 341.70 | 4.10 | 0.08 | | 486369 | 5396466 | -34 | 1.7 | 0 | 0.61 | 7 |
| | 6050 | A_12 | | | 0.00 | | | | | | | | | |
| | 6400 | A_14 | | | 0.00 | | | | | | | | | |

# APPENDIX – 4

## WORKING NOTES RE MINERAL RESOURCE ESTIMATES




GEOEX LIMITED - RESOURCE POLYGONS ON LONGITUDINAL SECTION LOOKING NORTH - JANUARY 2008

| Hole ID | from (m) | to(m) | Core m | Uncut g/t | Horiz. Width | HorzWxg | VG | Polygon Number | Poly Area | Area of Influence | Category | SG | Polygon tonnes | grams | INDICATED tonnes | INDICATED ounces | Cumulative Indicated Tonnes | Cumulative Indicated Grade | Cumulative Indicated Ounces | INFERRED tonnes | INFERRED ounces | Cumulative Inferred Tonnes | Cumulative Inferred Grade | Cumulative Inferred Ounces |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97_01 | 210.77 | 222.99 | 12.22 | 135.770 | **5.30** | 719.58 | 2 VG | 125 | 404 | 20 | INDICATED | 2.8 | 5,995 | 813,941 | 5,995 | 26,171.7 | 5,995.0 | 135.77 | 26,171.7 | - | - | - | - | - |
| 97_56 | 254.66 | 258.17 | 3.51 | 53.630 | **1.90** | 101.90 | 3 VG | 174 | 293 | 17 | INDICATED | 2.8 | 1,559 | 83,609 | 1,559 | 2,688.4 | 7,554.0 | 118.8 | 28,860.1 | - | - | - | - | - |
| A_05 | 197.00 | 202.00 | 5.00 | 52.810 | **2.30** | 121.46 | | 159 | 556 | 24 | INDICATED | 2.8 | 3,581 | 189,113 | 3,581 | 6,080.8 | 11,135.0 | 97.6 | 34,940.9 | - | - | - | - | - |
| 87_09 | 181.05 | 182.21 | 1.16 | 35.090 | **10.00** | 350.90 | 2 VG | 150 | 395 | 20 | INDICATED | 2.8 | 11,060 | 388,095 | 11,060 | 12,479.0 | 22,195.0 | 66.4 | 47,419.9 | - | - | - | - | - |
| 97_25 | 77.97 | 82.75 | 4.79 | 19.108 | **2.80** | 53.50 | 3 VG | 33 | 20 | 4 | INDICATED | 2.8 | 157 | 3,000 | 157 | 96.5 | 22,352.0 | 66.1 | 47,516.4 | - | - | - | - | - |
| 69_21 | 130.45 | 155.11 | 24.66 | 18.820 | **4.90** | 92.22 | 2 VG | 155 | 80 | 9 | INDICATED | 2.8 | 1,098 | 20,664 | 1,098 | 664.4 | 23,450.0 | 63.9 | 48,180.8 | - | - | - | - | - |
| 88_40 | 204.89 | 213.24 | 8.35 | 18.579 | **1.60** | 29.73 | VG | 130 | 1124 | 34 | INFERRED | 2.8 | 5,036 | 93,564 | - | - | 23,450.0 | 63.9 | 48,180.8 | 5,036 | 3,009 | 5,036.0 | 18.6 | 3,008.5 |
| 69_06A | 186.84 | 195.71 | 8.87 | 14.680 | **8.00** | 117.44 | 3 VG | 155 | 80 | 9 | INDICATED | 2.8 | 1,792 | 26,307 | 1,792 | 845.9 | 25,242.0 | 60.4 | 49,026.7 | - | - | 5,036.0 | 18.6 | 3,008.5 |
| 97_16 | 165.66 | 179.37 | 13.72 | 11.000 | **6.50** | 71.50 | | 102 | 232 | 15 | INDICATED | 2.8 | 4,222 | 46,442 | 4,222 | 1,493.3 | 29,464.0 | 53.3 | 50,520.0 | - | - | 5,036.0 | 18.6 | 3,008.5 |
| 69_04 | 151.79 | 153.28 | 1.49 | 10.160 | **7.90** | 80.26 | | 78 | 684 | 26 | INFERRED | 2.8 | 15,130 | 153,721 | - | - | 29,464.0 | 53.3 | 50,520.0 | 15,130 | 4,943 | 20,166.0 | 12.3 | 7,951.3 |
| 69_19 | 163.59 | 165.14 | 1.55 | 9.510 | **1.39** | 13.22 | | 82 | 289 | 17 | INDICATED | 2.8 | 1,125 | 10,699 | 1,125 | 344.0 | 30,589.0 | 51.7 | 50,864.0 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 97_33 | 60.26 | 68.00 | 7.74 | 9.250 | **2.30** | 21.28 | | 23 | 218 | 15 | INDICATED | 2.8 | 1,404 | 12,987 | 1,404 | 417.6 | 31,993.0 | 49.9 | 51,281.6 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 97_10 | 162.70 | 185.01 | 22.31 | 9.060 | **6.20** | 56.17 | 3 VG | 119 | 290 | 17 | INDICATED | 2.8 | 5,034 | 45,608 | 5,034 | 1,466.5 | 37,027.0 | 44.3 | 52,748.1 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 97_14 | 224.33 | 257.77 | 33.44 | 8.190 | **14.90** | 122.03 | | 175 | 369 | 19 | INDICATED | 2.8 | 15,395 | 126,085 | 15,395 | 4,054.2 | 52,422.0 | 33.7 | 56,802.3 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 97_07 | 67.67 | 78.94 | 11.28 | 7.199 | **6.20** | 44.63 | | 25 | 215 | 15 | INDICATED | 2.8 | 3,732 | 26,867 | 3,732 | 863.9 | 56,154.0 | 31.9 | 57,666.2 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 97_28 | 222.50 | 237.20 | 14.69 | 7.160 | **7.90** | 56.56 | 2 VG | 140 | 262 | 16 | INDICATED | 2.8 | 5,795 | 41,492 | 5,795 | 1,334.2 | 61,949.0 | 29.6 | 59,000.4 | - | - | 20,166.0 | 12.3 | 7,951.3 |
| 81_16 | 280.72 | 293.98 | 13.26 | 7.110 | **1.50** | 10.67 | 2 VG | 139 | 1821 | 43 | INFERRED | 2.8 | 7,648 | 54,377 | - | - | 61,949.0 | 29.6 | 59,000.4 | 7,648 | 1,749 | 27,814.0 | 10.8 | 9,699.8 |
| 97_18 | 182.45 | 201.02 | 18.56 | 7.110 | **15.10** | 107.36 | 4 VG | 105 | 478 | 22 | INDICATED | 2.8 | 20,210 | 143,693 | 20,210 | 4,620.4 | 82,159.0 | 24.1 | 63,620.8 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 81_13 | 55.63 | 105.83 | 50.20 | 6.840 | **16.20** | 110.81 | 5 VG | 31 | 245 | 16 | INDICATED | 2.8 | 11,113 | 76,013 | 11,113 | 2,444.1 | 93,272.0 | 22.0 | 66,064.9 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 80_03 | 61.90 | 68.61 | 6.71 | 6.770 | **4.30** | 29.11 | VG | 24 | 174 | 13 | INDICATED | 2.8 | 2,095 | 14,183 | 2,095 | 456.0 | 95,367.0 | 21.7 | 66,520.9 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 97_09 | 187.63 | 192.88 | 5.24 | 6.440 | **3.10** | 19.96 | 4 VG | 97 | 190 | 14 | INDICATED | 2.8 | 1,649 | 10,620 | 1,649 | 341.5 | 97,016.0 | 21.4 | 66,862.4 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 87_06 | 187.76 | 196.17 | 8.41 | 6.400 | **4.00** | 25.60 | | 177 | 219.5 | 15 | INDICATED | 2.8 | 2,458 | 15,731 | 2,458 | 505.8 | 99,474.0 | 21.1 | 67,368.2 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 97_21 | 220.46 | 224.88 | 4.42 | 6.140 | **2.20** | 13.51 | VG | 202 | 250 | 16 | INDICATED | 2.8 | 1,540 | 9,456 | 1,540 | 304.0 | 101,014.0 | 20.8 | 67,672.2 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 69_01 | 160.02 | 167.64 | 7.62 | 6.080 | **4.90** | 29.79 | | 93 | 101 | 10 | INDICATED | 2.8 | 1,386 | 8,427 | 1,386 | 271.0 | 102,400.0 | 20.6 | 67,943.2 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 80_11 | 126.19 | 148.38 | 22.19 | 5.880 | **15.80** | 92.90 | 7 VG | 75 | 319 | 18 | INDICATED | 2.8 | 14,113 | 82,984 | 14,113 | 2,668.3 | 116,513.0 | 18.8 | 70,611.5 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 97_06 | 178.83 | 195.65 | 16.82 | 5.880 | **10.10** | 59.39 | 2 VG | 101 | 590 | 24 | INDICATED | 2.8 | 16,685 | 98,108 | 16,685 | 3,154.6 | 133,198.0 | 17.2 | 73,766.1 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 81_09 | 31.70 | 46.94 | 15.24 | 5.670 | **3.10** | 17.58 | VG | 5 | 125 | 11 | INDICATED | 2.8 | 1,085 | 6,152 | 1,085 | 197.8 | 134,283.0 | 17.1 | 73,963.9 | - | - | 27,814.0 | 10.8 | 9,699.8 |
| 97_04 | 179.89 | 200.41 | 20.51 | 5.320 | **20.80** | 110.66 | 3 VG | 110 | 799 | 28 | INFERRED | 2.8 | 46,534 | 247,561 | - | - | 134,283.0 | 17.1 | 73,963.9 | 46,534 | 7,960 | 74,348.0 | 7.4 | 17,660.0 |
| 97_33 | 80.01 | 85.62 | 5.61 | 4.870 | **2.30** | 11.20 | | 44 | 304 | 17 | INDICATED | 2.8 | 1,958 | 9,535 | 1,958 | 306.6 | 136,241.0 | 17.0 | 74,270.5 | - | - | 74,348.0 | 7.4 | 17,660.0 |
| 69_10 | 148.74 | 150.94 | 2.19 | 4.680 | **2.10** | 9.83 | VG | 63 | 789 | 28 | INFERRED | 2.8 | 4,639 | 21,711 | - | - | 136,241.0 | 17.0 | 74,270.5 | 4,639 | 698 | 78,987.0 | 7.2 | 18,358.1 |
| 69_17 | 161.12 | 168.98 | 7.86 | 4.440 | **6.30** | 27.97 | 2 VG | 89 | 129 | 11 | INDICATED | 2.8 | 2,276 | 10,105 | 2,276 | 324.9 | 138,517.0 | 16.7 | 74,595.4 | - | - | 78,987.0 | 7.2 | 18,358.1 |
| 97_24 | 116.07 | 121.46 | 5.39 | 4.400 | **4.10** | 18.04 | | 53 | 315 | 18 | INDICATED | 2.8 | 3,616 | 15,910 | 3,616 | 511.6 | 142,133.0 | 16.4 | 75,107.0 | - | - | 78,987.0 | 7.2 | 18,358.1 |
| 69_07 | 172.15 | 180.38 | 8.23 | 4.390 | **8.23** | 36.13 | | 37 | 1514 | 39 | INFERRED | 2.8 | 34,889 | 153,163 | - | - | 142,133.0 | 16.4 | 75,107.0 | 34,889 | 4,925 | 113,876.0 | 6.4 | 23,282.9 |
| 81_14 | 45.72 | 108.20 | 62.48 | 4.020 | **4.10** | 16.48 | 7 VG | 34 | 226 | 15 | INDICATED | 2.8 | 2,594 | 10,428 | 2,594 | 335.3 | 144,727.0 | 16.2 | 75,442.3 | - | - | 113,876.0 | 6.4 | 23,282.9 |
| 81_04 | 33.53 | 39.62 | 6.10 | 3.990 | **0.50** | 2.00 | | 3 | 795 | 28 | INFERRED | 2.8 | 1,113 | 4,441 | - | - | 144,727.0 | 16.2 | 75,442.3 | 1,113 | 143 | 114,989.0 | 6.3 | 23,425.7 |
| 69_02 | 123.75 | 147.83 | 24.08 | 3.880 | **5.90** | 22.89 | 5 VG | 49 | 518 | 23 | INDICATED | 2.8 | 8,557 | 33,201 | 8,557 | 1,067.6 | 153,284.0 | 15.5 | 76,509.9 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 69_06A | 164.53 | 168.83 | 4.30 | 3.870 | **3.20** | 12.38 | | 114 | 294 | 17 | INDICATED | 2.8 | 2,634 | 10,194 | 2,634 | 327.8 | 155,918.0 | 15.3 | 76,837.7 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 81_05 | 83.21 | 113.02 | 29.81 | 3.870 | **14.50** | 56.12 | 2 VG | 51 | 109 | 10 | INDICATED | 2.8 | 4,425 | 17,125 | 4,425 | 550.6 | 160,343.0 | 15.0 | 77,388.3 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 97_37 | 164.10 | 169.62 | 5.52 | 3.580 | **3.60** | 12.89 | | 120 | 229 | 15 | INDICATED | 2.8 | 2,308 | 8,263 | 2,308 | 265.7 | 162,651.0 | 14.8 | 77,654.0 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 97_02 | 83.82 | 113.84 | 30.02 | 3.520 | **16.40** | 57.73 | 5 VG | 56 | 257 | 16 | INDICATED | 2.8 | 11,801 | 41,540 | 11,801 | 1,335.7 | 174,452.0 | 14.1 | 78,989.7 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 97_07 | 46.24 | 49.90 | 3.66 | 3.420 | **2.01** | 6.87 | 2 VG | 6 | 230 | 15 | INDICATED | 2.8 | 1,294 | 4,425 | 1,294 | 142.3 | 175,746.0 | 14.0 | 79,132.0 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 69_12 | 114.30 | 134.05 | 19.75 | 3.280 | **11.60** | 38.05 | 2 VG | 61 | 518 | 23 | INDICATED | 2.8 | 16,825 | 55,186 | 16,825 | 1,774.5 | 192,571.0 | 13.1 | 80,906.5 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 97_43 | 75.59 | 82.42 | 6.83 | 3.250 | **2.80** | 9.10 | | 32 | 153 | 12 | INDICATED | 2.8 | 1,200 | 3,900 | 1,200 | 125.4 | 193,771.0 | 13.0 | 81,031.9 | - | - | 114,989.0 | 6.3 | 23,425.7 |
| 87_09 | 57.91 | 61.60 | 3.69 | 3.180 | **3.03** | 9.64 | VG | 19 | 256 | 16 | INDICATED | 2.8 | 2,172 | 6,907 | 2,172 | 222.1 | 195,943.0 | 12.9 | 81,254.0 | - | - | **114,989.0** | **6.3** | **23,425.7** |
| 81_03 | 37.86 | 44.68 | 6.83 | 3.140 | **6.80** | 21.35 | VG | 8 | 915 | 30 | INFERRED | 2.8 | 17,422 | 54,705 | - | - | 195,943.0 | 12.9 | 81,254.0 | 17,422 | 1,759 | 132,411.0 | 5.9 | 25,184.7 |
| 97_54 | 269.44 | 279.29 | 9.85 | 3.070 | **5.30** | 16.27 | 3 VG | 176 | 425 | 21 | INDICATED | 2.8 | 6,307 | 19,362 | 6,307 | 622.6 | 202,250.0 | 12.6 | 81,876.6 | - | - | 132,411.0 | 5.9 | 25,184.7 |
| 87_09 | 74.83 | 77.27 | 2.44 | 3.010 | **2.00** | 6.02 | | 42 | 383 | 20 | INDICATED | 2.8 | 2,145 | 6,456 | 2,145 | 207.6 | 204,395.0 | 12.5 | 82,084.2 | - | - | 132,411.0 | 5.9 | 25,184.7 |
| 97_61 | 314.55 | 332.38 | 17.83 | 2.947 | **3.70** | 10.90 | 2 VG | 197 | 2118 | 46 | INFERRED | 2.8 | 21,942 | 64,663 | - | - | 204,395.0 | 12.5 | 82,084.2 | 21,942 | 2,079 | 154,353.0 | 5.5 | 27,263.9 |
| 97_24 | 90.34 | 106.16 | 15.82 | 2.940 | **4.10** | 12.05 | 2 VG | 29 | 458 | 21 | INDICATED | 2.8 | 5,258 | 15,459 | 5,258 | 497.1 | 209,653.0 | 12.3 | 82,581.3 | - | - | 154,353.0 | 5.5 | 27,263.9 |
| 69_10 | 121.31 | 122.96 | 1.65 | 2.840 | **1.30** | 3.69 | | 40 | 546 | 23 | INDICATED | 2.8 | 1,987 | 5,643 | 1,987 | 181.4 | 211,640.0 | 12.2 | 82,762.7 | - | - | 154,353.0 | 5.5 | 27,263.9 |
| 81_10 | 37.49 | 80.99 | 43.49 | 2.780 | **6.30** | 17.51 | 4 VG | 7 | 667 | 26 | INFERRED | 2.8 | 11,766 | 32,709 | - | - | 211,640.0 | 12.2 | 82,762.7 | 11,766 | 1,052 | 166,119.0 | 5.3 | 28,315.7 |
| 97_22 | 73.55 | 81.26 | 7.71 | 2.750 | **5.60** | 15.40 | | 26 | 645 | 25 | INDICATED | 2.8 | 10,114 | 27,814 | 10,114 | 894.3 | 221,754.0 | 11.7 | 83,657.0 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 97_21 | 202.30 | 209.00 | 6.71 | 2.742 | **2.80** | 7.68 | | 167 | 152 | 12 | INDICATED | 2.8 | 1,192 | 3,268 | 1,192 | 105.1 | 222,946.0 | 11.7 | 83,762.1 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 80_03 | 80.13 | 90.95 | 10.82 | 2.660 | **7.10** | 18.89 | | 45 | 155 | 12 | INDICATED | 2.8 | 3,081 | 8,195 | 3,081 | 263.5 | 226,027.0 | 11.6 | 84,025.6 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 81_03 | 93.79 | 181.08 | 87.29 | 2.610 | **13.90** | 36.28 | 5 VG | 99 | 248 | 16 | INDICATED | 2.8 | 9,652 | 25,192 | 9,652 | 810.0 | 235,679.0 | 11.2 | 84,835.6 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 97_43 | 87.90 | 95.71 | 7.81 | 2.610 | **3.20** | 8.35 | | 36 | 166 | 13 | INDICATED | 2.8 | 1,487 | 3,881 | 1,487 | 124.8 | 237,166.0 | 11.1 | 84,960.4 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 97_20 | 116.01 | 131.86 | 15.85 | 2.530 | **7.60** | 19.23 | | 86 | 306 | 17 | INDICATED | 2.8 | 6,512 | 16,475 | 6,512 | 529.8 | 243,678.0 | 10.9 | 85,490.2 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 97_55 | 243.93 | 250.73 | 6.80 | 2.500 | **3.50** | 8.75 | | 170 | 448 | 21 | INDICATED | 2.8 | 4,390 | 10,975 | 4,390 | 352.9 | 248,068.0 | 10.8 | 85,843.1 | - | - | 166,119.0 | 5.3 | 28,315.7 |
| 88_27A | 72.24 | 79.95 | 7.71 | 2.450 | **4.00** | 9.80 | | 9 | 796 | 28 | INFERRED | 2.8 | 8,915 | 21,842 | - | - | 248,068.0 | 10.8 | 85,843.1 | 8,915 | 702 | 175,034.0 | 5.2 | 29,018.0 |
| 97_60 | 206.84 | 208.64 | 1.80 | 2.380 | **1.38** | 3.28 | VG | 168 | 90 | 9 | INDICATED | 2.8 | 348 | 828 | 348 | 26.6 | 248,416.0 | 10.8 | 85,869.7 | - | - | 175,034.0 | 5.2 | 29,018.0 |
| 80_09A | 89.79 | 95.28 | 5.49 | 2.300 | **5.20** | 11.96 | | 40A | 474.5 | 22 | INDICATED | 2.8 | 6,909 | 15,891 | 6,909 | 511.0 | 255,325.0 | 10.5 | 86,380.7 | - | - | 175,034.0 | 5.2 | 29,018.0 |
| 97_26 | 144.29 | 146.70 | 2.41 | 2.260 | **1.21** | 2.73 | VG | 111 | 223 | 15 | INDICATED | 2.8 | 756 | 1,709 | 756 | 54.9 | 256,081.0 | 10.5 | 86,435.6 | - | - | 175,034.0 | 5.2 | 29,018.0 |
| 69_20 | 217.47 | 220.28 | 2.80 | 2.140 | **2.80** | 5.99 | VG | 121 | 71 | 8 | INDICATED | 2.8 | 557 | 1,192 | 557 | 38.3 | 256,638.0 | 10.5 | 86,473.9 | - | - | 175,034.0 | 5.2 | 29,018.0 |
| 97_12 | 197.97 | 219.15 | 21.18 | 2.100 | **11.30** | 23.73 | 4 VG | 126 | 563 | 24 | INDICATED | 2.8 | 17,813 | 37,407 | 17,813 | 1,202.8 | 274,451.0 | 9.9 | 87,676.7 | - | - | 175,034.0 | 5.2 | 29,018.0 |
| 97_15 | 195.22 | 204.73 | 9.51 | 2.060 | **4.00** | 8.24 | | 100 | 1079 | 33 | INFERRED | 2.8 | 12,085 | 24,895 | - | - | 274,451.0 | 9.9 | 87,676.7 | 12,085 | 801 | 187,119.0 | 5.0 | 29,818.5 |
| 97_17 | 260.73 | 274.02 | 13.29 | 2.010 | **5.30** | 10.65 | | 179 | 423 | 21 | INDICATED | 2.8 | 6,277 | 12,617 | 6,277 | 405.7 | 280,728.0 | 9.8 | 88,082.4 | - | - | 187,119.0 | 5.0 | 29,818.5 |
| 69_21 | 83.52 | 97.72 | 14.20 | 2.000 | **2.50** | 5.00 | VG | 69 | 164.5 | 13 | INDICATED | 2.8 | 1,152 | 2,304 | 1,152 | 74.1 | 281,880.0 | 9.7 | 88,156.5 | - | - | 187,119.0 | 5.0 | 29,818.5 |
| 97_25 | 85.74 | 93.09 | 7.35 | 2.000 | **2.70** | 5.40 | VG | 35 | 130 | 11 | INDICATED | 2.8 | 983 | 1,966 | 983 | 63.2 | 282,863.0 | 9.7 | 88,219.7 | - | - | 187,119.0 | 5.0 | 29,818.5 |
| 87_05 | 135.58 | 142.04 | 6.46 | 1.980 | **2.50** | 4.95 | | 60 | 660 | 26 | INFERRED | 2.8 | 4,620 | 9,148 | - | - | 282,863.0 | 9.7 | 88,219.7 | 4,620 | 294 | 191,739.0 | 4.9 | 30,112.6 |
| 88_33 | 303.28 | 321.41 | 18.14 | 1.970 | **7.90** | 15.56 | | 208 | 5229 | 72 | INFERRED | 2.8 | 115,665 | 227,860 | - | - | 282,863.0 | 9.7 | 88,219.7 | 115,665 | 7,327 | 307,404.0 | 3.8 | 37,439.3 |

| Hole ID | from (m) | to(m) | Core m | Uncut g/t | Horiz. Width | HorzWxg | VG | Polygon Number | Poly Area | Area of Influence | Category | SG | Polygon tonnes | grams | INDICATED tonnes | INDICATED ounces | Cumulative Indicated Tonnes | Grade | Ounces | INFERRED tonnes | INFERRED ounces | Cumulative Inferred Tonnes | Grade | Ounces |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80_07 | 87.93 | 100.92 | 12.98 | 1.950 | **8.50** | 16.58 | 2 VG | 47 | 437 | 21 | INDICATED | 2.8 | 10,401 | 20,282 | 10,401 | 652.2 | 293,264.0 | 9.4 | 88,871.9 | - | - | 307,404.0 | 3.8 | 37,439.3 |
| 87_05 | 180.56 | 184.10 | 3.54 | 1.910 | **2.00** | 3.82 | | 103 | 225 | 15 | INDICATED | 2.8 | 1,260 | 2,407 | 1,260 | 77.4 | 294,524.0 | 9.4 | 88,949.3 | - | - | 307,404.0 | 3.8 | 37,439.3 |
| 97_43 | 61.14 | 67.21 | 6.07 | 1.910 | **2.90** | 5.54 | 2 VG | 12 | 465 | 22 | INDICATED | 2.8 | 3,776 | 7,212 | 3,776 | 231.9 | 298,300.0 | 9.3 | 89,181.2 | - | - | 307,404.0 | 3.8 | 37,439.3 |
| 87_16 | 70.41 | 106.71 | 36.30 | 1.860 | **14.30** | 26.60 | 5 VG | 56 | 257 | 16 | INDICATED | 2.8 | 10,290 | 19,139 | 10,290 | 615.4 | 308,590.0 | 9.0 | 89,796.6 | - | - | 307,404.0 | 3.8 | 37,439.3 |
| 97_53 | 151.18 | 188.18 | 37.00 | 1.850 | **19.30** | 35.71 | 6 VG | 117 | 184 | 14 | INDICATED | 2.8 | 9,943 | 18,395 | 9,943 | 591.5 | 318,533.0 | 8.8 | 90,388.1 | - | - | 307,404.0 | 3.8 | 37,439.3 |
| 88_30 | 136.40 | 143.41 | 7.01 | 1.848 | **2.70** | 4.99 | | 15 | 2255 | 47 | INFERRED | 2.8 | 17,048 | 31,505 | - | - | 318,533.0 | 8.8 | 90,388.1 | 17,048 | 1,013 | 324,452.0 | 3.7 | 38,452.3 |
| 97_28 | 205.71 | 213.21 | 7.50 | 1.780 | **3.80** | 6.76 | | 141 | 321 | 18 | INDICATED | 2.8 | 3,415 | 6,079 | 3,415 | 195.5 | 321,948.0 | 8.8 | 90,583.6 | - | - | 324,452.0 | 3.7 | 38,452.3 |
| 97_34 | 64.25 | 68.76 | 4.51 | 1.780 | **4.10** | 7.30 | VG | 21 | 311 | 18 | INDICATED | 2.8 | 3,570 | 6,355 | 3,570 | 204.3 | 325,518.0 | 8.7 | 90,787.9 | - | - | 324,452.0 | 3.7 | 38,452.3 |
| 97_56 | 274.62 | 299.31 | 24.69 | 1.740 | **12.40** | 21.58 | 4 VG | 195 | 221 | 15 | INDICATED | 2.8 | 7,673 | 13,351 | 7,673 | 429.3 | 333,191.0 | 8.5 | 91,217.2 | - | - | 324,452.0 | 3.7 | 38,452.3 |
| 97_48 | 359.66 | 365.64 | 5.97 | 1.714 | **1.70** | 2.91 | | 209 | 2178 | 47 | INFERRED | 2.8 | 10,367 | 17,769 | - | - | 333,191.0 | 8.5 | 91,217.2 | 10,367 | 571 | 334,819.0 | 3.6 | 39,023.7 |
| 97_61 | 251.61 | 273.77 | 22.16 | 1.711 | **2.80** | 4.79 | 2 VG | 193 | 844 | 29 | INFERRED | 2.8 | 6,617 | 11,322 | - | - | 333,191.0 | 8.5 | 91,217.2 | 6,617 | 364 | 341,436.0 | 3.6 | 39,387.7 |
| 81_01 | 34.59 | 81.69 | 47.09 | 1.700 | **0.75** | 1.28 | 2 VG | 18 | 838 | 29 | INFERRED | 2.8 | 1,760 | 2,992 | - | - | 333,191.0 | 8.5 | 91,217.2 | 1,760 | 96 | 343,196.0 | 3.6 | 39,483.9 |
| 81_16 | 134.51 | 139.90 | 5.39 | 1.690 | **3.90** | 6.59 | | 38 | 658 | 26 | INFERRED | 2.8 | 7,185 | 12,143 | - | - | 333,191.0 | 8.5 | 91,217.2 | 7,185 | 390 | 350,381.0 | 3.5 | 39,874.3 |
| 97_24 | 109.18 | 112.26 | 3.08 | 1.650 | **3.90** | 6.44 | VG | 52 | 60 | 8 | INDICATED | 2.8 | 655 | 1,081 | 655 | 34.8 | 333,846.0 | 8.5 | 91,252.0 | - | - | 350,381.0 | 3.5 | 39,874.3 |
| 97_60 | 188.00 | 191.66 | 3.66 | 1.628 | **2.80** | 4.56 | VG | 165 | 218 | 15 | INDICATED | 2.8 | 1,709 | 2,782 | 1,709 | 89.5 | 335,555.0 | 8.5 | 91,341.5 | - | - | 350,381.0 | 3.5 | 39,874.3 |
| 87_06 | 172.52 | 184.71 | 12.19 | 1.620 | **6.00** | 9.72 | | 145 | 230 | 15 | INDICATED | 2.8 | 3,864 | 6,260 | 3,864 | 201.3 | 339,419.0 | 8.4 | 91,542.8 | - | - | 350,381.0 | 3.5 | 39,874.3 |
| 97_25 | 97.38 | 108.08 | 10.70 | 1.620 | **4.90** | 7.94 | | 39 | 516 | 23 | INDICATED | 2.8 | 7,080 | 11,470 | 7,080 | 368.8 | 346,499.0 | 8.2 | 91,911.6 | - | - | 350,381.0 | 3.5 | 39,874.3 |
| 97_31 | 66.05 | 71.75 | 5.70 | 1.620 | **2.90** | 4.70 | | 25 | 215 | 15 | INDICATED | 2.8 | 1,746 | 2,829 | 1,746 | 90.9 | 348,245.0 | 8.2 | 92,002.5 | - | - | 350,381.0 | 3.5 | 39,874.3 |
| 69_03 | 149.87 | 160.02 | 10.15 | 1.590 | **6.10** | 9.70 | VG | 76 | 1068 | 33 | INFERRED | 2.8 | 18,241 | 29,003 | - | - | 348,245.0 | 8.2 | 92,002.5 | 18,241 | 933 | 368,622.0 | 3.4 | 40,806.9 |
| 80_03 | 119.60 | 125.09 | 5.49 | 1.580 | **3.80** | 6.00 | VG | 69 | 164.5 | 13 | INDICATED | 2.8 | 1,750 | 2,765 | 1,750 | 88.9 | 349,995.0 | 8.2 | 92,091.4 | - | - | 368,622.0 | 3.4 | 40,806.9 |
| 88_39 | 212.45 | 239.27 | 26.82 | 1.550 | **11.70** | 18.14 | | 149 | 3507 | 59 | INFERRED | 2.8 | 114,889 | 178,078 | - | - | 349,995.0 | 8.2 | 92,091.4 | 114,889 | 5,726 | 483,511.0 | 3.0 | 46,532.9 |
| 97_32 | 122.80 | 139.99 | 17.19 | 1.520 | **11.40** | 17.33 | | 92 | 345 | 19 | INDICATED | 2.8 | 11,012 | 16,738 | 11,012 | 538.2 | 361,007.0 | 8.0 | 92,629.6 | - | - | 483,511.0 | 3.0 | 46,532.9 |
| 97_29 | 267.25 | 271.07 | 3.83 | 1.510 | **1.70** | 2.57 | | 194 | 227.5 | 15 | INDICATED | 2.8 | 1,083 | 1,635 | 1,083 | 52.6 | **362,090.0** | **8.0** | 92,682.2 | - | - | 483,511.0 | 3.0 | 46,532.9 |
| 97_30 | 263.41 | 269.72 | 6.31 | 1.490 | **2.50** | 3.73 | | 194 | 227.5 | 15 | INDICATED | 2.8 | 1,593 | 2,374 | 1,593 | 76.3 | 363,683.0 | 7.9 | 92,758.5 | - | - | 483,511.0 | 3.0 | 46,532.9 |
| A_08 | 341.61 | 354.63 | 13.02 | 1.480 | **2.90** | 4.29 | | 191 | 1660 | 41 | INFERRED | 2.8 | 13,479 | 19,949 | - | - | 363,683.0 | 7.9 | 92,758.5 | 13,479 | 641 | 496,990.0 | 3.0 | 47,174.3 |
| 97_47 | 294.62 | 300.23 | 5.61 | 1.450 | **4.50** | 6.53 | | 211 | 1355 | 37 | INFERRED | 2.8 | 17,073 | 24,756 | - | - | 363,683.0 | 7.9 | 92,758.5 | 17,073 | 796 | 514,063.0 | 2.9 | 47,970.3 |
| 97_38 | 173.00 | 203.48 | 30.48 | 1.430 | **15.10** | 21.59 | 2 VG | 163 | 189 | 14 | INDICATED | 2.8 | 7,991 | 11,427 | 7,991 | 367.4 | 371,674.0 | 7.8 | 93,125.9 | - | - | 514,063.0 | 2.9 | 47,970.3 |
| 97_29 | 238.05 | 247.59 | 9.54 | 1.420 | **3.20** | 4.54 | | 172 | 310 | 18 | INDICATED | 2.8 | 2,778 | 3,945 | 2,778 | 126.8 | 374,452.0 | 7.7 | 93,252.7 | - | - | 514,063.0 | 2.9 | 47,970.3 |
| 69_11 | 141.21 | 145.18 | 3.96 | 1.410 | **2.90** | 4.09 | | 83 | 686 | 26 | INFERRED | 2.8 | 5,570 | 7,854 | - | - | 374,452.0 | 7.7 | 93,252.7 | 5,570 | 253 | 519,633.0 | 2.9 | 48,222.8 |
| 81_11 | 75.71 | 92.66 | 16.95 | 1.360 | **3.50** | 4.76 | | 46 | 315 | 18 | INDICATED | 2.8 | 3,087 | 4,198 | 3,087 | 135.0 | 377,539.0 | 7.7 | 93,387.7 | - | - | 519,633.0 | 2.9 | 48,222.8 |
| 69_08 | 123.29 | 129.02 | 5.73 | 1.340 | **4.90** | 6.57 | VG | 67 | 103 | 10 | INDICATED | 2.8 | 1,413 | 1,893 | 1,413 | 60.9 | 378,952.0 | 7.7 | 93,448.6 | - | - | 519,633.0 | 2.9 | 48,222.8 |
| 87_02 | 205.22 | 217.20 | 11.98 | 1.340 | **9.40** | 12.60 | | 160 | 146 | 12 | INDICATED | 2.8 | 3,843 | 5,150 | 3,843 | 165.6 | 382,795.0 | 7.6 | 93,614.2 | - | - | 519,633.0 | 2.9 | 48,222.8 |
| 97_52 | 147.95 | 150.66 | 2.71 | 1.340 | **1.66** | 2.22 | 3 VG | 95 | 263 | 16 | INDICATED | 2.8 | 1,222 | 1,637 | 1,222 | 52.7 | 384,017.0 | 7.6 | 93,666.9 | - | - | 519,633.0 | 2.9 | 48,222.8 |
| 88_40 | 177.39 | 184.40 | 7.01 | 1.337 | **1.60** | 2.14 | | 131 | 804 | 28 | INFERRED | 2.8 | 3,602 | 4,816 | - | - | 384,017.0 | 7.6 | 93,666.9 | 3,602 | 155 | 523,235.0 | 2.9 | 48,377.7 |
| 97_57 | 192.63 | 198.79 | 6.16 | 1.280 | **3.00** | 3.84 | VG | 142 | 234 | 15 | INDICATED | 2.8 | 1,966 | 2,516 | 1,966 | 80.9 | 385,983.0 | 7.6 | 93,747.8 | - | - | 523,235.0 | 2.9 | 48,377.7 |
| 80_14 | 87.48 | 95.10 | 7.62 | 1.250 | **5.50** | 6.88 | | 17 | 1193 | 35 | INFERRED | 2.8 | 18,372 | 22,965 | - | - | 385,983.0 | 7.6 | 93,747.8 | 18,372 | 738 | 541,607.0 | 2.8 | 49,116.1 |
| 81_09 | 208.94 | 221.19 | 12.25 | 1.220 | **3.80** | 4.64 | VG | 203 | 276 | 17 | INDICATED | 2.8 | 2,937 | 3,583 | 2,937 | 115.2 | 388,920.0 | 7.5 | 93,863.0 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 80_15 | 123.84 | 140.21 | 16.37 | 1.218 | **9.10** | 11.08 | VG | 55 | 482 | 22 | INDICATED | 2.8 | 12,281 | 14,958 | 12,281 | 481.0 | 401,201.0 | 7.3 | 94,344.0 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 97_51 | 200.92 | 211.44 | 10.52 | 1.214 | **6.30** | 7.65 | | 161 | 153 | 12 | INDICATED | 2.8 | 2,699 | 3,277 | 2,699 | 105.4 | 403,900.0 | 7.3 | 94,449.4 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 80_01 | 122.22 | 140.36 | 18.14 | 1.210 | **9.70** | 11.74 | VG | 91 | 251 | 16 | INDICATED | 2.8 | 6,817 | 8,249 | 6,817 | 265.2 | 410,717.0 | 7.2 | 94,714.6 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 81_11 | 141.88 | 152.46 | 10.58 | 1.210 | **2.18** | 2.64 | VG | 116 | 151 | 12 | INDICATED | 2.8 | 922 | 1,116 | 922 | 35.9 | 411,639.0 | 7.2 | 94,750.5 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 88_31 | 243.84 | 251.46 | 7.62 | 1.200 | **2.60** | 3.12 | | 134 | 595 | 24 | INDICATED | 2.8 | 4,332 | 5,198 | 4,332 | 167.2 | 415,971.0 | 7.1 | 94,917.7 | - | - | 541,607.0 | 2.8 | 49,116.1 |
| 97_48 | 336.50 | 342.50 | 6.00 | 1.200 | **2.70** | 3.24 | | 210 | 1819 | 43 | INFERRED | 2.8 | 13,752 | 16,502 | - | - | 415,971.0 | 7.1 | 94,917.7 | 13,752 | 531 | 555,359.0 | 2.8 | 49,646.7 |
| 87_09 | 128.02 | 147.52 | 19.51 | 1.190 | **16.00** | 19.04 | 2 VG | 84 | 894 | 30 | INFERRED | 2.8 | 40,051 | 47,661 | - | - | 415,971.0 | 7.1 | 94,917.7 | 40,051 | 1,533 | 595,410.0 | 2.7 | 51,179.2 |
| 97_31 | 95.01 | 113.23 | 18.23 | 1.180 | **8.90** | 10.50 | | 70 | 143 | 12 | INDICATED | 2.8 | 3,564 | 4,206 | 3,564 | 135.2 | 419,535.0 | 7.0 | 95,052.9 | - | - | 595,410.0 | 2.7 | 51,179.2 |
| 97_61 | 337.35 | 350.58 | 13.23 | 1.172 | **3.30** | 3.87 | 3 VG | 198 | 3142 | 56 | INFERRED | 2.8 | 29,032 | 34,026 | - | - | 419,535.0 | 7.0 | 95,052.9 | 29,032 | 1,094 | 624,442.0 | 2.6 | 52,273.3 |
| 80_02 | 47.55 | 62.94 | 15.39 | 1.170 | **10.20** | 11.93 | | 4 | 489 | 22 | INDICATED | 2.8 | 13,966 | 16,340 | 13,966 | 525.4 | 433,501.0 | 6.9 | 95,578.3 | - | - | 624,442.0 | 2.6 | 52,273.3 |
| 97_05 | 272.64 | 285.54 | 12.89 | 1.170 | **6.30** | 7.37 | | 181 | 2169 | 47 | INFERRED | 2.8 | 38,261 | 44,765 | - | - | 433,501.0 | 6.9 | 95,578.3 | 38,261 | 1,439 | 662,703.0 | 2.5 | 53,712.7 |
| 97_60 | 198.73 | 200.56 | 1.83 | 1.140 | **1.40** | 1.60 | VG | 166 | 65 | 8 | INDICATED | 2.8 | 255 | 291 | 255 | 9.3 | 433,756.0 | 6.9 | 95,587.6 | - | - | 662,703.0 | 2.5 | 53,712.7 |
| 69_18 | 203.76 | 214.88 | 11.13 | 1.130 | **10.40** | 11.75 | | 108 | 1151 | 34 | INFERRED | 2.8 | 33,517 | 37,874 | - | - | 433,756.0 | 6.9 | 95,587.6 | 33,517 | 1,218 | 696,220.0 | 2.5 | 54,930.5 |
| 97_16 | 200.74 | 203.67 | 2.93 | 1.116 | **1.00** | 1.12 | | 143 | 161 | 13 | INDICATED | 2.8 | 451 | 503 | 451 | 16.2 | 434,207.0 | 6.8 | 95,603.8 | - | - | 696,220.0 | 2.5 | 54,930.5 |
| 97_34 | 109.58 | 116.98 | 7.41 | 1.070 | **4.01** | 4.29 | | 88 | 64 | 8 | INDICATED | 2.8 | 719 | 769 | 719 | 24.7 | 434,926.0 | 6.8 | 95,628.5 | - | - | 696,220.0 | 2.5 | 54,930.5 |
| 81_02 | 97.11 | 121.86 | 24.75 | 1.060 | **7.90** | 8.37 | | 68 | 219 | 15 | INDICATED | 2.8 | 4,844 | 5,135 | 4,844 | 165.1 | 439,770.0 | 6.8 | 95,793.6 | - | - | 696,220.0 | 2.5 | 54,930.5 |
| 97_54 | 286.66 | 308.03 | 21.37 | 1.050 | **11.00** | 11.55 | VG | 195A | 358 | 19 | INDICATED | 2.8 | 11,026 | 11,577 | 11,026 | 372.3 | 450,796.0 | 6.6 | 96,165.9 | - | - | 696,220.0 | 2.5 | 54,930.5 |
| 81_16 | 192.63 | 206.44 | 13.81 | 1.040 | **3.90** | 4.06 | | 132 | 1817 | 43 | INFERRED | 2.8 | 19,842 | 20,636 | - | - | 450,796.0 | 6.6 | 96,165.9 | 19,842 | 664 | 716,062.0 | 2.4 | 55,594.0 |
| 87_06 | 200.74 | 218.08 | 17.34 | 1.030 | **7.00** | 7.21 | VG | 178 | 391 | 20 | INDICATED | 2.8 | 7,664 | 7,894 | 7,664 | 253.8 | 458,460.0 | 6.5 | 96,419.7 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 97_18 | 214.64 | 217.51 | 2.87 | 1.030 | **2.33** | 2.40 | VG | 146 | 336 | 18 | INDICATED | 2.8 | 2,192 | 2,258 | 2,192 | 72.6 | 460,652.0 | 6.5 | 96,492.3 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 87_06 | 222.20 | 227.47 | 5.27 | 1.020 | **3.00** | 3.06 | | 177 | 219.5 | 15 | INDICATED | 2.8 | 1,844 | 1,881 | 1,844 | 60.5 | 462,496.0 | 6.5 | 96,552.8 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 80_13 | 102.72 | 122.99 | 20.27 | 0.990 | **11.00** | 10.89 | | 50 | 437 | 21 | INDICATED | 2.8 | 13,460 | 13,325 | 13,460 | 428.5 | 475,956.0 | 6.3 | 96,981.3 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 97_44 | 179.28 | 182.88 | 3.60 | 0.990 | **2.40** | 2.38 | | 109 | 449 | 21 | INDICATED | 2.8 | 3,017 | 2,987 | 3,017 | 96.0 | 478,973.0 | 6.3 | 97,077.3 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 97_57 | 148.13 | 153.92 | 5.79 | 0.980 | **3.70** | 3.63 | | 80 | 553 | 24 | INDICATED | 2.8 | 5,729 | 5,614 | 5,729 | 180.5 | 484,702.0 | 6.2 | 97,257.8 | - | - | 716,062.0 | 2.4 | 55,594.0 |
| 87_01 | 191.57 | 220.98 | 29.41 | 0.940 | **18.70** | 17.58 | VG | 79 | 1500 | 39 | INFERRED | 2.8 | 78,540 | 73,828 | - | - | 484,702.0 | 6.2 | 97,257.8 | 78,540 | 2,374 | 794,602.0 | 2.3 | 57,967.9 |
| 81_10 | 98.45 | 103.33 | 4.88 | 0.937 | **1.50** | 1.41 | VG | 72 | 260 | 16 | INDICATED | 2.8 | 1,092 | 1,023 | 1,092 | 32.9 | 485,794.0 | 6.2 | 97,290.7 | - | - | 794,602.0 | 2.3 | 57,967.9 |
| 97_19 | 231.53 | 233.23 | 1.70 | 0.930 | **0.75** | 0.70 | | 148 | 914 | 30 | INFERRED | 2.8 | 1,919 | 1,785 | - | - | 485,794.0 | 6.2 | 97,290.7 | 1,919 | 57 | 796,521.0 | 2.3 | 58,025.3 |
| 87_08 | 88.09 | 152.89 | 64.80 | 0.920 | **2.60** | 2.39 | 4 VG | 77 | 143 | 12 | INDICATED | 2.8 | 1,041 | 958 | 1,041 | 30.8 | 486,835.0 | 6.2 | 97,321.5 | - | - | 796,521.0 | 2.3 | 58,025.3 |
| 97_11 | 199.89 | 218.18 | 18.29 | 0.920 | **12.40** | 11.41 | VG | 127 | 1080 | 33 | INFERRED | 2.8 | 37,498 | 34,498 | - | - | 486,835.0 | 6.2 | 97,321.5 | 37,498 | 1,109 | 834,019.0 | 2.2 | 59,134.6 |
| 97_13 | 169.07 | 176.66 | 7.59 | 0.910 | **4.50** | 4.10 | | 122 | 350 | 19 | INDICATED | 2.8 | 4,410 | 4,013 | 4,410 | 129.0 | 491,245.0 | 6.2 | 97,450.5 | - | - | 834,019.0 | 2.2 | 59,134.6 |
| 80_01 | 157.58 | 160.48 | 2.90 | 0.870 | **1.90** | 1.65 | VG | 153 | 483 | 22 | INDICATED | 2.8 | 2,570 | 2,236 | 2,570 | 71.9 | 493,815.0 | 6.1 | 97,522.4 | - | - | 834,019.0 | 2.2 | 59,134.6 |
| 69_11 | 128.11 | 134.57 | 6.46 | 0.850 | **4.40** | 3.74 | | 62 | 564 | 24 | INDICATED | 2.8 | 6,948 | 5,906 | 6,948 | 189.9 | 500,763.0 | 6.1 | 97,712.3 | - | - | 834,019.0 | 2.2 | 59,134.6 |
| 97_35 | 105.67 | 134.72 | 29.05 | 0.850 | **9.00** | 7.65 | 2 VG | 90 | 170 | 13 | INDICATED | 2.8 | 4,284 | 3,641 | 4,284 | 117.1 | 505,047.0 | 6.0 | 97,829.4 | - | - | 834,019.0 | 2.2 | 59,134.6 |

| Hole ID | from (m) | to(m) | Core | Uncut g/t | Horiz. | HorzWxg | VG | Polygon | Poly Area | Area of | Category | SG | Polygon | grams | INDICATED | INDICATED | Cumulative Indicated | | | INFERRED | INFERRED | Cumulative Inferred | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | m | | Width | | | Number | | Influence | | | tonnes | | tonnes | ounces | Tonnes | Grade | Ounces | tonnes | ounces | Tonnes | Grade | Ounces |
| 80_09 | 87.39 | 93.09 | 5.70 | 0.830 | **3.50** | 2.91 | VG | 40A | 474.5 | 22 | INDICATED | 2.8 | 4,650 | 3,860 | 4,650 | 124.1 | 509,697.0 | 6.0 | 97,953.5 | - | - | 834,019.0 | 2.2 | 59,134.6 |
| 81_10 | 140.21 | 153.10 | 12.89 | 0.820 | **2.40** | 1.97 | | 96 | 203 | 14 | INDICATED | 2.8 | 1,364 | 1,118 | 1,364 | 36.0 | 511,061.0 | 6.0 | 97,989.5 | - | - | 834,019.0 | 2.2 | 59,134.6 |
| 88_28 | 60.66 | 68.88 | 8.23 | 0.810 | **3.40** | 2.75 | | 10 | 1094 | 33 | INFERRED | 2.8 | 10,415 | 8,436 | - | - | 511,061.0 | 6.0 | 97,989.5 | 10,415 | 271 | 844,434.0 | 2.2 | 59,405.9 |
| 80_08A | 104.24 | 111.25 | 7.01 | 0.800 | **4.70** | 3.76 | | 48 | 399 | 20 | INDICATED | 2.8 | 5,251 | 4,201 | 5,251 | 135.1 | 516,312.0 | 5.9 | 98,124.6 | - | - | 844,434.0 | 2.2 | 59,405.9 |
| 88_40 | 144.63 | 160.32 | 15.70 | 0.800 | **1.60** | 1.28 | | 58 | 719 | 27 | INFERRED | 2.8 | 3,221 | 2,577 | - | - | 516,312.0 | 5.9 | 98,124.6 | 3,221 | 83 | 847,655.0 | 2.2 | 59,488.8 |
| 97_61 | 295.66 | 304.25 | 8.60 | 0.783 | **3.60** | 2.82 | VG | 192 | 1544 | 39 | INFERRED | 2.8 | 15,564 | 12,187 | - | - | 516,312.0 | 5.9 | 98,124.6 | 15,564 | 392 | 863,219.0 | 2.2 | 59,880.7 |
| 81_09 | 70.20 | 123.99 | 53.80 | 0.780 | **6.60** | 5.15 | | 71 | 298 | 17 | INDICATED | 2.8 | 5,507 | 4,295 | 5,507 | 138.1 | 521,819.0 | 5.9 | 98,262.7 | - | - | 863,219.0 | 2.2 | 59,880.7 |
| 97_61 | 359.39 | 378.96 | 19.57 | 0.777 | **2.50** | 1.94 | 4 VG | 199 | 2608 | 51 | INFERRED | 2.8 | 18,256 | 14,185 | - | - | 521,819.0 | 5.9 | 98,262.7 | 18,256 | 456 | 881,475.0 | 2.1 | 60,336.8 |
| 80_15 | 113.43 | 116.59 | 3.15 | 0.774 | **1.50** | 1.16 | | 54 | 400 | 20 | INDICATED | 2.8 | 1,680 | 1,300 | 1,680 | 41.8 | 523,499.0 | 5.8 | 98,304.5 | - | - | 881,475.0 | 2.1 | 60,336.8 |
| 69_11 | 151.61 | 157.34 | 5.73 | 0.770 | **4.20** | 3.23 | | 106 | 581 | 24 | INDICATED | 2.8 | 6,833 | 5,261 | 6,833 | 169.2 | 530,332.0 | 5.8 | 98,473.7 | - | - | 881,475.0 | 2.1 | 60,336.8 |
| 97_50 | 231.71 | 234.70 | 2.99 | 0.760 | **2.00** | 1.52 | | 136 | 1515 | 39 | INFERRED | 2.8 | 8,484 | 6,448 | - | - | 530,332.0 | 5.8 | 98,473.7 | 8,484 | 207 | 889,959.0 | 2.1 | 60,544.1 |
| 97_30 | 287.18 | 299.01 | 11.83 | 0.740 | **4.90** | 3.63 | | 196 | 464 | 22 | INDICATED | 2.8 | 6,366 | 4,711 | 6,366 | 151.5 | 536,698.0 | 5.7 | 98,625.2 | - | - | 889,959.0 | 2.1 | 60,544.1 |
| 69_16 | 156.85 | 169.47 | 12.62 | 0.730 | **11.70** | 8.54 | | 74 | 575 | 24 | INDICATED | 2.8 | 18,837 | 13,751 | 18,837 | 442.2 | 555,535.0 | 5.5 | 99,067.4 | - | - | 889,959.0 | 2.1 | 60,544.1 |
| 97_21 | 214.85 | 218.88 | 4.02 | 0.728 | **3.00** | 2.18 | VG | 169 | 177 | 13 | INDICATED | 2.8 | 1,487 | 1,083 | 1,487 | 34.8 | 557,022.0 | 5.5 | 99,102.2 | - | - | 889,959.0 | 2.1 | 60,544.1 |
| 69_20 | 238.51 | 243.23 | 4.72 | 0.720 | **4.70** | 3.38 | | 123 | 131 | 11 | INDICATED | 2.8 | 1,724 | 1,241 | 1,724 | 39.9 | 558,746.0 | 5.5 | 99,142.1 | - | - | 889,959.0 | 2.1 | 60,544.1 |
| 97_14 | 203.45 | 212.48 | 9.02 | 0.720 | **4.90** | 3.53 | | 144 | 224 | 15 | INDICATED | 2.8 | 3,073 | 2,213 | 3,073 | 71.1 | 561,819.0 | 5.5 | 99,213.2 | - | - | 889,959.0 | 2.1 | 60,544.1 |
| 80_10A | 95.22 | 104.12 | 8.90 | 0.710 | **6.60** | 4.69 | | 28 | 702 | 26 | INFERRED | 2.8 | 12,973 | 9,211 | - | - | 561,819.0 | 5.5 | 99,213.2 | 12,973 | 296 | 902,932.0 | 2.1 | 60,840.3 |
| 97_36 | 288.13 | 316.99 | 28.86 | 0.690 | **14.70** | 10.14 | | 182 | 1082 | 33 | INFERRED | 2.8 | 44,535 | 30,729 | - | - | 561,819.0 | 5.5 | 99,213.2 | 44,535 | 988 | 947,467.0 | 2.0 | 61,828.4 |
| 81_16 | 50.29 | 85.34 | 35.05 | 0.650 | **5.20** | 3.38 | | 13 | 759 | 28 | INFERRED | 2.8 | 11,051 | 7,183 | - | - | 561,819.0 | 5.5 | 99,213.2 | 11,051 | 231 | 958,518.0 | 2.0 | 62,059.4 |
| 81_11 | 277.83 | 339.97 | 62.15 | 0.640 | **5.80** | 3.71 | VG | 207 | 3246 | 57 | INFERRED | 2.8 | 52,715 | 33,738 | - | - | 561,819.0 | 5.5 | 99,213.2 | 52,715 | 1,085 | 1,011,233.0 | 1.9 | 63,144.2 |
| 81_12 | 38.40 | 106.71 | 68.31 | 0.640 | **7.50** | 4.80 | 2 VG | 11 | 525 | 23 | INDICATED | 2.8 | 11,025 | 7,056 | 11,025 | 226.9 | 572,844.0 | 5.4 | 99,440.1 | - | - | 1,011,233.0 | 1.9 | 63,144.2 |
| 97_01 | 173.00 | 186.87 | 13.87 | 0.621 | **7.20** | 4.47 | VG | 124 | 383 | 20 | INDICATED | 2.8 | 7,721 | 4,795 | 7,721 | 154.2 | 580,565.0 | 5.3 | 99,594.3 | - | - | 1,011,233.0 | 1.9 | 63,144.2 |
| 97_08 | 300.72 | 311.51 | 10.79 | 0.620 | **3.70** | 2.29 | | 183 | 7952 | 89 | INFERRED | 2.8 | 82,383 | 51,077 | - | - | 580,565.0 | 5.3 | 99,594.3 | 82,383 | 1,642 | 1,093,616.0 | 1.8 | 64,786.6 |
| 97_42 | 213.09 | 228.02 | 14.93 | 0.620 | **10.10** | 6.26 | 3 VG | 164 | 74 | 9 | INDICATED | 2.8 | 2,093 | 1,298 | 2,093 | 41.7 | 582,658.0 | 5.3 | 99,636.0 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 81_11 | 229.09 | 233.69 | 4.60 | 0.590 | **0.95** | 0.56 | | 204 | 392 | 20 | INDICATED | 2.8 | 1,043 | 615 | 1,043 | 19.8 | 583,701.0 | 5.3 | 99,655.8 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 69_14 | 185.53 | 206.14 | 20.60 | 0.580 | **15.80** | 9.16 | VG | 115 | 220 | 15 | INDICATED | 2.8 | 9,733 | 5,645 | 9,733 | 181.5 | 593,434.0 | 5.2 | 99,837.3 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 81_03 | 57.82 | 90.77 | 32.95 | 0.580 | **5.00** | 2.90 | | 27 | 262 | 16 | INDICATED | 2.8 | 3,668 | 2,127 | 3,668 | 68.4 | 597,102.0 | 5.2 | 99,905.7 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 97_59 | 210.31 | 217.54 | 7.22 | 0.580 | **3.60** | 2.09 | | 189 | 529 | 23 | INDICATED | 2.8 | 5,332 | 3,093 | 5,332 | 99.4 | 602,434.0 | 5.2 | 100,005.1 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 81_04 | 96.93 | 111.40 | 14.48 | 0.570 | **3.00** | 1.71 | | 66 | 124 | 11 | INDICATED | 2.8 | 1,042 | 594 | 1,042 | 19.1 | 603,476.0 | 5.2 | 100,024.2 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 81_10 | 207.26 | 232.87 | 25.60 | 0.560 | **5.00** | 2.80 | | 205 | 636 | 25 | INDICATED | 2.8 | 8,904 | 4,986 | 8,904 | 160.3 | 612,380.0 | 5.1 | 100,184.5 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 97_41 | 170.17 | 188.95 | 18.78 | 0.560 | **11.00** | 6.16 | VG | 158 | 321 | 18 | INDICATED | 2.8 | 9,887 | 5,537 | 9,887 | 178.0 | 622,267.0 | 5.0 | 100,362.5 | - | - | 1,093,616.0 | 1.8 | 64,786.6 |
| 69_15 | 105.61 | 108.51 | 2.90 | 0.550 | **1.70** | 0.94 | | 16 | 2255 | 47 | INFERRED | 2.8 | 10,734 | 5,904 | - | - | 622,267.0 | 5.0 | 100,362.5 | 10,734 | 190 | 1,104,350.0 | 1.8 | 64,976.4 |
| 81_16 | 233.48 | 242.01 | 8.53 | 0.540 | **1.50** | 0.81 | 2 VG | 133 | 1524 | 39 | INFERRED | 2.8 | 6,401 | 3,457 | - | - | 622,267.0 | 5.0 | 100,362.5 | 6,401 | 111 | 1,110,751.0 | 1.8 | 65,087.5 |
| 80_05 | 222.05 | 224.64 | 2.59 | 0.530 | **2.10** | 1.11 | | 154 | 791 | 28 | INFERRED | 2.8 | 4,651 | 2,465 | - | - | 622,267.0 | 5.0 | 100,362.5 | 4,651 | 79 | 1,115,402.0 | 1.8 | 65,166.8 |
| 97_46 | 243.99 | 256.92 | 12.92 | 0.520 | **8.50** | 4.42 | | 128 | 2147 | 46 | INFERRED | 2.8 | 51,099 | 26,571 | - | - | 622,267.0 | 5.0 | 100,362.5 | 51,099 | 854 | 1,166,501.0 | 1.8 | 66,021.2 |
| 69_17 | 178.64 | 188.73 | 10.09 | 0.510 | **6.50** | 3.32 | | 113 | 361 | 19 | INDICATED | 2.8 | 6,570 | 3,351 | 6,570 | 107.7 | 628,837.0 | 5.0 | 100,470.2 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 81_09 | 130.76 | 188.76 | 58.00 | 0.510 | **16.90** | 8.62 | | 118 | 172 | 13 | INDICATED | 2.8 | 8,139 | 4,151 | 8,139 | 133.5 | 636,976.0 | 4.9 | 100,603.7 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 97_59 | 198.12 | 203.61 | 5.49 | 0.510 | **2.70** | 1.38 | | 151 | 273 | 17 | INDICATED | 2.8 | 2,064 | 1,053 | 2,064 | 33.8 | 639,040.0 | 4.9 | 100,637.5 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 97_19 | 245.58 | 280.90 | 35.33 | 0.490 | **15.60** | 7.64 | | 180 | 481 | 22 | INDICATED | 2.8 | 21,010 | 10,295 | 21,010 | 331.0 | 660,050.0 | 4.8 | 100,968.5 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 97_13 | 142.46 | 150.91 | 8.44 | 0.480 | **5.01** | 2.40 | | 98 | 215 | 15 | INDICATED | 2.8 | 3,016 | 1,448 | 3,016 | 46.5 | 663,066.0 | 4.7 | 101,015.0 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 80_08A | 115.09 | 121.65 | 6.55 | 0.470 | **5.00** | 2.35 | | 73 | 503 | 22 | INDICATED | 2.8 | 7,042 | 3,310 | 7,042 | 106.4 | 670,108.0 | 4.7 | 101,121.4 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 81_01 | 81.69 | 128.78 | 47.09 | 0.470 | **4.60** | 2.16 | VG | 64 | 200 | 14 | INDICATED | 2.8 | 2,576 | 1,211 | 2,576 | 38.9 | 672,684.0 | 4.7 | 101,160.3 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 80_04 | 218.85 | 232.11 | 13.26 | 0.450 | **11.10** | 5.00 | 2 VG | 152 | 496 | 22 | INDICATED | 2.8 | 15,416 | 6,937 | 15,416 | 223.1 | 688,100.0 | 4.6 | 101,383.4 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 97_58 | 131.22 | 141.73 | 10.52 | 0.430 | **3.50** | 1.51 | | 112 | 187 | 14 | INDICATED | 2.8 | 1,833 | 788 | 1,833 | 25.3 | 689,933.0 | 4.6 | 101,408.7 | - | - | 1,166,501.0 | 1.8 | 66,021.2 |
| 87_07 | 243.35 | 267.89 | 24.54 | 0.420 | **3.80** | 1.60 | VG | 206 | 1956 | 44 | INFERRED | 2.8 | 20,812 | 8,741 | - | - | 689,933.0 | 4.6 | 101,408.7 | 20,812 | 281 | 1,187,313.0 | 1.7 | 66,302.3 |
| 97_32 | 153.50 | 164.74 | 11.25 | 0.420 | **2.70** | 1.13 | | 156 | 143 | 12 | INDICATED | 2.8 | 1,081 | 454 | 1,081 | 14.6 | 691,014.0 | 4.6 | 101,423.3 | - | - | 1,187,313.0 | 1.7 | 66,302.3 |
| A_04 | 211.00 | 227.00 | 16.00 | 0.420 | **4.70** | 1.97 | | 201 | 1771 | 42 | INFERRED | 2.8 | 23,306 | 9,789 | - | - | 691,014.0 | 4.6 | 101,423.3 | 23,306 | 315 | 1,210,619.0 | 1.7 | 66,617.0 |
| 69_09 | 121.77 | 125.36 | 3.60 | 0.410 | **2.70** | 1.11 | | 65 | 208 | 14 | INDICATED | 2.8 | 1,572 | 645 | 1,572 | 20.7 | 692,586.0 | 4.6 | 101,444.0 | - | - | 1,210,619.0 | 1.7 | 66,617.0 |
| 87_05 | 145.36 | 146.94 | 1.58 | 0.410 | **0.71** | 0.29 | | 81 | 110 | 10 | INDICATED | 2.8 | 219 | 90 | 219 | 2.9 | 692,805.0 | 4.6 | 101,446.9 | - | - | 1,210,619.0 | 1.7 | 66,617.0 |
| 97_52 | 131.37 | 138.23 | 6.86 | 0.410 | **4.20** | 1.72 | | 94 | 272 | 16 | INDICATED | 2.8 | 3,199 | 1,312 | 3,199 | 42.2 | 696,004.0 | 4.5 | 101,489.1 | - | - | 1,210,619.0 | 1.7 | 66,617.0 |
| 97_03 | 344.73 | 379.63 | 34.90 | 0.390 | **4.40** | 1.72 | | 185 | 3933 | 63 | INFERRED | 2.8 | 48,455 | 18,897 | - | - | 696,004.0 | 4.5 | 101,489.1 | 48,455 | 608 | 1,259,074.0 | 1.7 | 67,224.6 |
| 97_59 | 232.01 | 236.22 | 4.21 | 0.370 | **2.40** | 0.89 | VG | 187 | 1559 | 39 | INFERRED | 2.8 | 10,476 | 3,876 | - | - | 696,004.0 | 4.5 | 101,489.1 | 10,476 | 125 | 1,269,550.0 | 1.6 | 67,349.2 |
| 97_40 | 59.01 | 64.68 | 5.67 | 0.360 | **2.30** | 0.83 | | 2 | 859 | 29 | INFERRED | 2.8 | 5,532 | 1,992 | - | - | 696,004.0 | 4.5 | 101,489.1 | 5,532 | 64 | 1,275,082.0 | 1.6 | 67,413.2 |
| 69_19 | 179.92 | 181.60 | 1.68 | 0.340 | **1.50** | 0.51 | | 104 | 758 | 28 | INFERRED | 2.8 | 3,184 | 1,083 | - | - | 696,004.0 | 4.5 | 101,489.1 | 3,184 | 35 | 1,278,266.0 | 1.6 | 67,448.0 |
| 88_38 | 221.59 | 231.04 | 9.45 | 0.340 | **5.40** | 1.84 | | 200 | 702 | 26 | INFERRED | 2.8 | 10,614 | 3,609 | - | - | 696,004.0 | 4.5 | 101,489.1 | 10,614 | 116 | 1,288,880.0 | 1.6 | 67,564.0 |
| 69_05 | 159.72 | 165.51 | 5.79 | 0.320 | **3.40** | 1.09 | | 57 | 1338 | 37 | INFERRED | 2.8 | 12,738 | 4,076 | - | - | 696,004.0 | 4.5 | 101,489.1 | 12,738 | 131 | 1,301,618.0 | 1.6 | 67,695.1 |
| 80_12 | 239.36 | 242.93 | 3.57 | 0.310 | **2.90** | 0.90 | | 147 | 1071 | 33 | INFERRED | 2.8 | 8,697 | 2,696 | - | - | 696,004.0 | 4.5 | 101,489.1 | 8,697 | 87 | 1,310,315.0 | 1.6 | 67,781.8 |
| 87_03 | 180.75 | 196.90 | 16.15 | 0.300 | **2.80** | 0.84 | | 59 | 1714 | 41 | INFERRED | 2.8 | 13,438 | 4,031 | - | - | 696,004.0 | 4.5 | 101,489.1 | 13,438 | 130 | 1,323,753.0 | 1.6 | 67,911.4 |
| 80_06 | 241.61 | 252.27 | 10.65 | 0.290 | **8.40** | 2.44 | | 188 | 408 | 20 | INDICATED | 2.8 | 9,596 | 2,783 | 9,596 | 89.5 | 705,600.0 | 4.5 | 101,578.6 | - | - | 1,323,753.0 | 1.6 | 67,911.4 |
| 97_23 | 76.57 | 86.11 | 9.54 | 0.290 | **5.00** | 1.45 | | 30 | 458 | 21 | INDICATED | 2.8 | 6,412 | 1,859 | 6,412 | 59.8 | 712,012.0 | 4.4 | 101,638.4 | - | - | 1,323,753.0 | 1.6 | 67,911.4 |
| 97_06 | 225.77 | 231.22 | 5.46 | 0.289 | **2.90** | 0.84 | | 173 | 422 | 21 | INDICATED | 2.8 | 3,427 | 990 | 3,427 | 31.8 | 715,439.0 | 4.4 | 101,670.2 | - | - | 1,323,753.0 | 1.6 | 67,911.4 |
| 81_02 | 147.89 | 169.35 | 21.46 | 0.280 | **2.50** | 0.70 | | 157 | 344 | 19 | INDICATED | 2.8 | 2,408 | 674 | 2,408 | 21.7 | 717,847.0 | 4.4 | 101,691.9 | - | - | 1,323,753.0 | 1.6 | 67,911.4 |
| 97_45 | 297.64 | 300.59 | 2.95 | 0.280 | **10.00** | 2.80 | 3 VG | 186 | 6059 | 78 | INFERRED | 2.8 | 169,652 | 47,503 | - | - | 717,847.0 | 4.4 | 101,691.9 | 169,652 | 1,527 | 1,493,405.0 | 1.4 | 69,438.8 |
| 80_12 | 217.58 | 219.21 | 1.63 | 0.250 | **1.10** | 0.28 | | 107 | 691 | 26 | INFERRED | 2.8 | 2,128 | 532 | - | - | 717,847.0 | 4.4 | 101,691.9 | 2,128 | 17 | 1,495,533.0 | 1.4 | 69,455.9 |
| 81_04 | 62.03 | 73.40 | 11.37 | 0.250 | **0.70** | 0.18 | | 20 | 425 | 21 | INDICATED | 2.8 | 833 | 208 | 833 | 6.7 | 718,680.0 | 4.4 | 101,698.6 | - | - | 1,495,533.0 | 1.4 | 69,455.9 |
| 97_34 | 85.50 | 98.97 | 13.47 | 0.250 | **7.30** | 1.83 | VG | 43 | 498 | 22 | INDICATED | 2.8 | 10,179 | 2,545 | 10,179 | 81.8 | 728,859.0 | 4.3 | 101,780.4 | - | - | 1,495,533.0 | 1.4 | 69,455.9 |
| 97_49 | 234.03 | 236.83 | 2.80 | 0.230 | **2.00** | 0.46 | | 135 | 775 | 28 | INFERRED | 2.8 | 4,340 | 998 | - | - | 728,859.0 | 4.3 | 101,780.4 | 4,340 | 32 | 1,499,873.0 | 1.4 | 69,488.0 |
| 81_06 | 36.27 | 43.59 | 7.32 | 0.210 | **3.10** | 0.65 | | 5 | 125 | 11 | INDICATED | 2.8 | 1,085 | 228 | 1,085 | 7.3 | 729,944.0 | 4.3 | 101,787.7 | - | - | 1,499,873.0 | 1.4 | 69,488.0 |
| 97_55 | 267.98 | 273.92 | 5.94 | 0.190 | **0.80** | 0.15 | | 171 | 818 | 29 | INFERRED | 2.8 | 1,832 | 348 | - | - | 729,944.0 | 4.3 | 101,787.7 | 1,832 | 11 | 1,501,705.0 | 1.4 | 69,499.2 |
| 97_58 | 112.01 | 117.50 | 5.49 | 0.190 | **1.90** | 0.36 | | 87 | 154 | 12 | INDICATED | 2.8 | 819 | 156 | 819 | 5.0 | 730,763.0 | 4.3 | 101,792.7 | - | - | 1,501,705.0 | 1.4 | 69,499.2 |

| Hole ID | from (m) | to(m) | Core m | Uncut g/t | Horiz. Width | HorzWxg | VG | Polygon Number | Poly Area | Area of Influence | Category | SG | Polygon tonnes | grams | INDICATED tonnes | INDICATED ounces | Cumulative Indicated | | | INFERRED tonnes | INFERRED ounces | Cumulative Inferred | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | Tonnes | Grade | Ounces | | | Tonnes | Grade | Ounces |
| 97_15 | 224.24 | 231.53 | 7.28 | 0.150 | **2.10** | 0.32 | | 140 | 262 | 16 | INDICATED | 2.8 | 1,541 | 231 | 1,541 | 7.4 | 732,304.0 | 4.3 | 101,800.1 | - | - | 1,501,705.0 | 1.4 | 69,499.2 |
| 81_08 | 42.43 | 62.64 | 20.21 | 0.130 | **4.70** | 0.61 | | 22 | 155 | 12 | INDICATED | 2.8 | 2,040 | 265 | 2,040 | 8.5 | 734,344.0 | 4.3 | 101,808.6 | - | - | 1,501,705.0 | 1.4 | 69,499.2 |
| 88_40 | 259.84 | 265.72 | 5.88 | 0.100 | **2.20** | 0.22 | | 137 | 3101 | 56 | INFERRED | 2.8 | 19,102 | 1,910 | - | - | 734,344.0 | 4.3 | 101,808.6 | 19,102 | 61 | 1,520,807.0 | 1.4 | 69,560.6 |
| A_09 | 211.00 | 218.00 | 7.00 | 0.090 | **3.90** | 0.35 | | 129 | 1165 | 34 | INFERRED | 2.8 | 12,722 | 1,145 | - | - | 734,344.0 | 4.3 | 101,808.6 | 12,722 | 37 | 1,533,529.0 | 1.4 | 69,597.4 |
| A_11 | 337.60 | 341.70 | 4.10 | 0.080 | **1.70** | 0.14 | | 184 | 6944 | 83 | INFERRED | 2.8 | 33,053 | 2,644 | - | - | 734,344.0 | 4.3 | 101,808.6 | 33,053 | 85 | 1,566,582.0 | 1.4 | 69,682.4 |
| 88_29 | 106.68 | 108.17 | 1.49 | 0.070 | **0.60** | 0.04 | | 14 | 1845 | 43 | INFERRED | 2.8 | 3,100 | 217 | - | - | 734,344.0 | 4.3 | 101,808.6 | 3,100 | 7 | 1,569,682.0 | 1.4 | 69,689.4 |
| 97_27 | 70.47 | 84.12 | 13.66 | 0.050 | **9.90** | 0.50 | | 41 | 437 | 21 | INDICATED | 2.8 | 12,114 | 606 | 12,114 | 19.5 | 746,458.0 | 4.2 | 101,828.1 | - | - | 1,569,682.0 | 1.4 | 69,689.4 |
| 88_32 | 273.10 | 284.07 | 10.97 | 0.030 | **5.60** | 0.17 | | 138 | 4985 | 71 | INFERRED | 2.8 | 78,165 | 2,345 | - | - | 746,458.0 | 4.2 | 101,828.1 | 78,165 | 75 | 1,647,847.0 | 1.3 | 69,764.8 |
| 97_27 | 118.00 | 120.00 | 2.00 | 0.000 | **1.60** | 0.00 | | 85 | 328 | 18 | INDICATED | 2.8 | 1,469 | - | 1,469 | - | 747,927.0 | 4.2 | 101,828.1 | - | - | 1,647,847.0 | 1.3 | 69,764.8 |
| 97_39 | 50.00 | 60.90 | 10.90 | 0.000 | **4.50** | 0.00 | | 1 | 849 | 29 | INFERRED | 2.8 | 10,697 | - | - | - | 747,927.0 | 4.2 | 101,828.1 | 10,697 | - | 1,658,544.0 | 1.3 | 69,764.8 |
| A_07 | 278.00 | 281.00 | 3.00 | 0.000 | **1.20** | 0.00 | | 190 | 1592 | 40 | INFERRED | 2.8 | 5,349 | - | - | - | 747,927.0 | 4.2 | 101,828.1 | 5,349 | - | 1,663,893.0 | 1.3 | 69,764.8 |
| | | | | | | | | | | | | | | | | | | | | | - | 1,663,893.0 | 1.3 | 69,764.8 |
| | | | | | | | | | | | | | | | | | | | | | - | 1,663,893.0 | 1.3 | 69,764.8 |

# APPENDIX – 5

## SCOPING STUDY REPORT FOR GEOEX LIMITED
## BY
## P & E MINING CONSULTANTS INC.

## ADJUSTED BY GEOEX FOR INFLATION TO 2010

P&E MINING CONSULTANTS INC.
Geologists and Mining Engineers

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# Scoping Study Costs For Exploration Property Near Timmins, Ontario, Canada

**for**

**GEOEX LIMITED**

**September 2007**

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# 1.0 INTRODUCTION

Capital and operating costs were developed for GEOEX Limited for a narrow vein gold property in the Timmins, Ontario area. Estimates were prepared for:

> Preproduction expenditures for an exploration ramp from surface and lateral development on the ore zone; and
>
> Capital expenditures and operating costs for a 1,000 tonnes per day mining operation with an on site mill.

The deposit consists of veins with minimum widths of 1.5 metres to widths supporting narrow longhole open stopes.

All data and information are presented in metric units. All costs are presented in constant mid 2007 Dollars.

# 2.0 UNDERGROUND EXPLORATION PROGRAMME

## 2.1 Programme Parameters

The potentially economic mineralized zones would be mined by underground mining techniques. The potentially economic mineralization to be explored extends to the 150 metres below surface elevation. There is no surface outcrop and 30 to 35 metres of overburden comprising distinct layers of swampy organic, clay and glacial till materials.

To facilitate the underground exploration programme the following would be required:

- 5 kilometre gravel access road
- Generators for power
- Compressed air compressors
- Trailers for offices, dry, warehouse and storage
- Explosives magazines
- Ramp portal
- Other miscellaneous facilities and equipment

Development work would consist of:

- Ramp from surface to 150 metres vertical depth below surface.
- Drifting and crosscutting for exploration of mineralization

The property is located approximately 45 kilometres from a reasonably sized population centre.

A mining contractor would be used for the programme. The mining contractor would supply all equipment, consumables and manpower.

## 2.2 Surface Installations

The 5 kilometre access road would provide access to the site and be built to accommodate travel of transport trucks bring equipment and materials to the site. Gravel for the road would be provided from nearby gravel pits.

Power would be generated on site by generators with a total capacity of 1 megawatt. Two 0.5 megawatt generators would provide power to the underground operation and small surface operation. If one generator broke down the second would provide for power to continue to be supplied to critical equipment.

Compressors to provide the underground mine with compressed air would also be rented from the contractor.

All office, dry, warehouse and covered storage facilities would be provided by the contractor, on a rental basis, as part of the contract for the exploration programme. The ramp development and exploration programme period would be approximately 12 months which does not warrant purchase of these facilities. Explosive magazines would be placed on surface and be constructed from shipping containers.

Owner rented trailers and compressors might provide significant savings in component total cost terms, but would not significantly impact the total project budget.

## 2.3 Underground Development Requirements

The initial layers of material through which the underground ramp must pass will require special development techniques, until bedrock is reached. The swampy layer would be damned and ditched around the portal area and material inside the damn removed down to the clay layer. The clay layer would be frozen locally to allow for digging and if required breaking of the clay to create the ramp tunnel. As the face advanced a steel arch system or corrugated steel tunnel liner such as Armtec's Tunnel Liner Plate would be installed to provide the permanent ramp opening. A portable freezing plant would freeze the ground to be removed, before the next segment of liner plate was installed in the frozen ground. When the glacial till material was reached this material would be grouted with cement to consolidate the gravel and pebble material. The ramp face would be advanced by drilling and blasting techniques, similar to those used in developing the ramp in rock.

The ramp would be developed at a minus 15 percent gradient with dimensions of 4.5 metres wide by 3.6 metres high, to accommodate transport of development waste rock to surface using 17 tonne underground haul trucks.

Lateral development from the ramp to undertake sampling and exploration drilling would be undertaken at appropriate vertical intervals.

All development work would be performed by a mining contractor. The contractor would provide all equipment and facilities to undertake the exploration programme.

## 2.4 Materials and Manpower

All materials and manpower would be procured and supplied by the contractor to the project. The manpower would include all underground miners, mechanics, electricians, other labour and direct supervision for the project. As well the contractor would provide all surface personnel and project management and engineering related functions required to support the underground development programme.

Geology aspects of the project would be the only area of responsibility for the owner.

All manpower could commute from local communities to the project. This eliminates the need for camp accommodations and facilities to be provided.

## 2.5 Capital Expenditures

Table 1 shows the capital expenditures required to develop the ramp to the 150 metre below surface elevation. All costs are based on budget pricing provided by mining contractors to perform the work in similar conditions and locations in Canada. All rental rates were also provided by the contractors for surface equipment and facilities.

## 3.0 1,000 TONNES PER DAY MINING AND PROCESSING OPTION

A 1,000 tonnes per day mining operation would utilize the ramp and other infrastructure developed for the foregoing exploration programme. In addition, the underground mine would be developed to facilitate stoping, a processing plant would be constructed on surface and a power line would be constructed to replace on site power generation.

### 3.1 Underground Mine

To facilitate mining of the deposit at 1,000 tpd a fresh air ventilation raise and an exhaust ventilation raise would be required. Surface ventilation fans would be installed on the fresh air raise to push air into the underground mine. All ore would be trucked to surface in the ramp using underground haul trucks. Waste rock would be placed in mined out stopes using haul trucks as well.

Sublevels for access to ore mining areas would be developed from the ramp on approximately 25 metre vertical intervals. The sublevel accesses would be located approximately in the middle of the overall strike length of the potentially economic mineralized zone. The sublevel accesses would be developed 4.5 metres wide by 3.6 metres high to accommodate 17 tonne haul trucks. Services installed on the sublevels would include a 102 mm pipe compressed air line, 51 mm pipe water line, communications cable, central blasting cable and 220 volt power cable.

Other underground facilities would include a small maintenance shop, main dewatering sumps, fuel and lube bay, explosives magazine, refuge station and storage areas.

Water collection sumps would be located on each sublevel. Overflow drill holes in each sump would send water to the main water collection sumps, for settling, recirculation and/or discharge from the mine.

A small underground maintenance shop would be constructed, for the servicing of mining equipment, and include a warehouse and fuel and lube bays.

Explosives would be stored in underground powder and cap magazines, where several days requirements could be held. There would be separate powder and cap magazines.

A large storage area for materials would be provided at a strategic location in the mine. Smaller storage areas would be located in development and mining areas and be supplied from the main storage area.

Other underground infrastructure would include electrical substation cut-outs and a refuge station (equipped with tables, seating, potable water and telephones).

### 3.2 Mining Methods

The deposit would be mined using sublevel open stoping methods with unconsolidated waste rock backfill supplied from development headings.

In sublevel open stoping, mining proceeds longitudinally (along the strike length of a zone) in potentially economic mineralized zones, from the extremities of the orebody to the central access. Initial development consists of an undercut, in potentially economic mineralization, being created at the bottom, of the mining block, to the edges of the orebody. Sublevels would be spaced nominally 25 metres apart vertically. A slot raise is driven at the end of each stope and opened up to the full width of the zone.

Upholes are drilled and the holes loaded with ANFO. A number of rows are blasted at a time. After each blast all ore is mucked out from the undercut. This sequence continues until the central access is reached.

All potentially economic mineralization would be mucked from stopes by Load-Haul-Dump (LHD) units, loaded onto underground haul trucks and trucked to surface in the ramp. After stoping has commenced waste rock from development would be placed into mined out areas. Prior to stoping waste rock would be trucked to surface and placed on a small waste rock storage area.

Development waste rock would be placed into mined out areas to avoid trucking it to surface.

### 3.3 Surface Facilities

All mine surface support facilities would be constructed and operated by the mining contractor.

An explosives storage area for the mine would be located 500 metres from mining and other facilities. The magazines would be housed in metal shipping containers.

The mine services site would include a small surface maintenance shop, mine supervision, geology, engineering and administration offices; 20 kilometre power line and power substations for the mine and processing plant; warehouse; and water treatment facility.

The mine owner would provide geology and engineering services to the mine. This would ensure that the interests of the owner in maximizing the economic returns from the deposit are placed first. The geology department would be responsible for mapping and interpretation, sampling of production drill holes, grade control and ore reserve estimations. The engineering department would be responsible for mine planning and design, production scheduling, surveying, geotechnical design, and performance statistics and any other technical requirements that support the operation.

## 3.4 Capital Costs

Table 2 shows the capital expenditures required for the preproduction period. All costs are based on budget pricing provided by mining contractors to perform the work in similar conditions and locations in Canada. All rental rates were also provided by the contractors for surface equipment and facilities.

## 3.5 Manpower

All underground manpower including supervision, engineering staff as well as surface personnel and mine management personnel, to sustain the production rate, would be provided by the mining contractor.

## 3.6 Operating Costs

Table 3 and Table 4 provide operating costs for longhole and shrinkage mining and mine overhead costs for the operation. All costs are based on contractor rates to perform the work required. All rental rates were also provided by the contractors for surface equipment and facilities.

The total mining costs are as follows:

| | |
|---|---|
| Longhole Mining | $34/tonne |
| Shrinkage Mining | $60/tonne |

The total indirect costs for the mine operation are $30.73/tonne.

## 4.0 PROCESSING AND TAILINGS

All potentially economic mineralization would be processed at an onsite processing plant.

The plant would be a conventional gold processing plant using crushing, grinding, gravity concentration if amenable, cyanidation and electrowinning to produce gold dore bars.

The capital cost for a 1,000 tpd processing plant is estimated to be $35 million, including EPCM and indirect costs.

The operating cost is estimated to be $12 per tonne of potentially economic mineralization and includes all consumables, maintenance parts, power and manpower.

Custom processing of ore at a custom mill as an alternative option would eliminate the capital costs but require an ore transportation cost of $0.15 per tonne kilometre with the nearest custom milling site 50 kilometres distance which equates to a transportation cost of $7.50 per tonne. The custom milling cost could be expected to be an additional $18 per tonne.

Report Compiled by:

LICENSED PROFESSIONAL ENGINEER
M. K. BUCK
PROVINCE OF ONTARIO

Malcolm Buck, P.Eng.
Sr. Associate Mining Engineer
P&E Mining Consultants Inc.

**DISCLAIMER**

The purpose of this report was to provide Geoex Limited with basic operating and capital costs for a typical Timmins, Ontario narrow vein gold mining operation, in order that they may be included in a Preliminary Analysis. P&E Mining Consultants provided these costs to Geoex without specific knowledge of the property they were evaluating nor did P&E have the opportunity to review the final financial analysis derived from the costs provided. P&E is in no way responsible for the conclusions and recommendations drawn from any report in which Geoex has used the above mentioned operating and capital costs.

Insert new quantities for the values highlighted in yellow.

## Table 1. Exploration Program Underground Development Expenditures

| | | |
|---|---|---|
| Ramp to 150 metres below surface @ 15 % | 1,150 | metres |
| Development Rate Single Heading (metres/day) | 4.2 | metres |
| Development Rate Multiple Heading (metres/day) | 5.9 | metres |
| Months to Complete Development Program | 9 | months |
| Waste Rock S.G. | 2.9 | |
| Tonnes Trucked | 59,430 | tonnes |

| | Quantity | Units | Unit Cost ($) | Cost/Mth ($) | **Total Cost ($)** | **2010 Inflated** |
|---|---|---|---|---|---|---|
| **Infrastructure** | | | | | | |
| Gravel Access Road | 5 | km | $100,000 | | $500,000 | $525,000 |
| Water Management | 1 | lot | $200,000 | | $200,000 | $210,000 |
| Mobilization | 1 | lot | $150,000 | | $150,000 | $157,500 |
| Demobilization | 1 | lot | $75,000 | | $75,000 | $78,750 |
| Explosives Magazines and Storage (Shipping Containers) | 1 | lot | $75,000 | | $75,000 | $78,750 |
| **Direct Underground Development Costs** | | | | | | |
| Portal | 1 | ea. | $250,000 | | $250,000 | $262,500 |
| Overburden Ramp Section - Full Support System | 230 | metres | $10,000 | | $2,300,000 | $2,415,000 |
| Exploration Ramp to 150 mL (4.5 m wide X 3.6 m high) | 1,150 | metres | $3,000 | | $3,450,000 | $3,622,500 |
| Truck Haulage | 59,430 | tonnes | $5.20 | | $309,000 | $324,450 |
| Exploration Drifts & XC to 150 mL (3.6 m wide X 3.6 m high) | 1 | metres | $2,700 | | $3,000 | $3,150 |
| Truck Haulage | 38 | tonnes | $5.20 | | $0 | $0 |
| Underground Substation | 1 | each | $250,000 | | $250,000 | $262,500 |
| Misc. Construction (Sumps, doors, etc.) | 1 | lot | $100,000 | | $100,000 | $105,000 |
| **Mine General Services Costs** | | | | | | |
| Generator Leasing | 1 | each | | $25,000 | $225,000 | $236,250 |
| Compresssor Leasing | 2 | each | | $5,000 | $45,000 | $47,250 |
| Indirect Rentals | | | | $54,900 | $494,000 | $518,700 |
| Indirect Materials (incl. mine heating) | | | | $91,500 | $824,000 | $865,200 |
| Power | | | | $105,400 | $949,000 | $996,450 |
| Surface Trailers Rentals & Maintenance | | | | $45,750 | $412,000 | $432,600 |
| Indirect Labour | | | | $350,750 | $3,157,000 | $3,314,850 |
| Geology | | | | $45,750 | $412,000 | $432,600 |
| Surface Labour & Security | | | | $61,700 | $555,000 | $582,750 |
| Environmental | | | | $4,575 | $41,000 | $43,050 |
| Owner Management | | | | $29,700 | $267,000 | $280,350 |
| **TOTAL ON-SITE COST** | | | | | **$15,043,000** | **$15,795,150** |

Production Rate 1000 tpd

## Table 2. Capital Expenditures - 1,000 tonnes per day Operation

| | Quantity | Units | Unit Cost ($) | Cost/Mth ($) | Total Cost ($) | 2010 Inflated |
|---|---|---|---|---|---|---|
| **Capital Costs** | | | | | | |
| **Surface Infrastructure & Facilities** | | | | | | |
| Power Line | 20 | km | $100,000 | | $2,000,000 | $2,100,000 |
| Mine Substation | 1 | ea. | $600,000 | | $600,000 | $630,000 |
| Processing Plant | 1 | | $35,000,000 | | $35,000,000 | $36,750,000 |
| Tailings Area | 1 | | $4,000,000 | | $4,000,000 | $4,200,000 |
| Sewage Treatment | 1 | lot | $100,000 | | $100,000 | $105,000 |
| Water Treatment | 1 | lot | $250,000 | | $250,000 | $262,500 |
| **Underground Mine** | | | | | | |
| Mine Contractor Mobilization | 1 | lot | $100,000 | | $100,000 | $105,000 |
| Mine Contractor Demobilization | 1 | lot | $50,000 | | $50,000 | $52,500 |
| Mine Substation | 1 | each | $250,000 | | $250,000 | $262,500 |
| Main Intake Raise | 180 | metres | $2,500 | | $450,000 | $472,500 |
| Exhaust Raise | 180 | metres | $2,500 | | $450,000 | $472,500 |
| Misc. Underground Development | 100 | metres | $3,000 | | $300,000 | $315,000 |
| Underground Construction (Sumps, doors, etc.) | 1 | lot | $100,000 | | $100,000 | $105,000 |
| Main Surface Fans | 1 | lot | $300,000 | | $300,000 | $315,000 |
| Contingency (25%) | | | | | $1,238,000 | $1,299,900 |
| **TOTAL CAPITAL EXPENDITURES** | | | | | **$45,188,000** | **$47,447,400** |

## Table 3. Longhole Open Stoping Mining Costs - 1,000 tonnes per day

| | | |
|---|---|---|
| Ore SG | 2.9 | |
| Stope Width | 3.6 | metres |
| Stope Length | 50 | metres |
| Stope Height | 25 | metres |
| **Stope Tonnes** | 13,050 | tonnes |

| **Longhole Stope Development Costs** | | | | | **$** | **2010 Inflated** |
|---|---|---|---|---|---|---|
| Access Drift | 25 | metres | $3,000 | | $75,000 | $78,750 |
| Sill Drift | 50 | metres | $2,700 | | $135,000 | $141,750 |
| Slot Raise | 20 | metres | $1,500 | | $30,000 | $31,500 |
| Total Devlopment Cost | | | | | $240,000 | $252,000 |
| **Development Cost Per Tonne** | | | | | **$18** | **$19** |
| **Direct Costs - Longhole Mining** | | | | | **$/t** | |
| Drilling | | | | | $2.70 | $2.84 |
| Blasting | | | | | $1.50 | $1.58 |
| Mucking and Secondary Blasting | | | | | $3.25 | $3.41 |
| Truck Haulage | | | | | $4.50 | $4.73 |
| Stope Filling | | | | | $2.50 | $2.63 |
| Misc. Construction | | | | | $1.50 | $1.58 |
| **Total Direct Longhole Mining Cost** | | | | | **$16** | **$17** |
| **Total Longhole Dev. & Mining Cost** | | | | | **$34** | **$36** |

## Table 4. Shrinkage Stoping Mining Costs - 1,000 tonnes per day

| | | |
|---|---|---|
| Ore SG | 2.9 | |
| Stope Width | 2 | metres |
| Stope Length | 60 | metres |
| Stope Height | 30 | metres |
| **Stope Tonnes** | 10,440 | tonnes |

| **Shrinkage Stope Development Costs** | | | | | **$** | **2010 Inflated** |
|---|---|---|---|---|---|---|
| Sill Drift | 60 | metres | $1,500 | | $90,000 | $94,500 |
| Mucking Drift | 50 | metres | $1,800 | | $90,000 | $94,500 |
| Draw Raises | 25 | metres | $2,000 | | $50,000 | $52,500 |
| Manway Raise | 30 | metres | $2,200 | | $66,000 | $69,300 |
| Dev. Truck Haulage | 1,689 | tonnes | $4.50 | | $8,000 | $8,400 |
| Total Devlopment Cost | | | | | $304,000 | $319,200 |
| **Development Cost Per Tonne** | | | | | **$29** | **$31** |
| **Direct Costs - Shrinkage Mining** | | | | | **$/t** | |
| Drilling | | | | | $5.00 | $5.25 |
| Blasting | | | | | $2.00 | $2.10 |
| Mucking | | | | | $5.20 | $5.46 |
| Ground Support | | | | | $11.97 | $12.57 |
| Truck Haulage | | | | | $4.50 | $4.73 |
| Ventilation | | | | | $0.40 | $0.42 |
| Misc. Construction | | | | | $2.00 | 2.1 |
| **Total Direct Shrinkage Mining Cost** | | | | | **$31** | **$33** |
| **Total Shrinkage Dev. & Mining Cost** | | | | | **$60** | **$63** |

## Table 5. Mine General Operating Costs

| | | | | Cost/day ($) | ($/t) | 2010 Inflated |
|---|---|---|---|---|---|---|
| Generator Leasing | 1 | each | | $820 | $0.82 | **$0.86** |
| Compresssor Leasing | 2 | each | | $262 | $0.26 | **$0.28** |
| Indirect Rentals | | | | $1,800 | $1.80 | **$1.89** |
| Indirect Materials (incl. mine heating) | | | | $3,000 | $3.00 | **$3.15** |
| Power | | | | $3,500 | $3.50 | **$3.68** |
| Surface Trailers Rentals & Maintenance | | | | $1,500 | $1.50 | **$1.58** |
| Indirect Labour | | | | $13,700 | $13.70 | **$14.39** |
| Geology | | | | $1,500 | $1.50 | **$1.58** |
| Surface Labour & Security | | | | $2,000 | $2.00 | **$2.10** |
| Environmental | | | | $150 | $0.15 | **$0.16** |
| Owner Management | | | | $2,500 | $2.50 | **$2.63** |
| **TOTAL ON-SITE COST** | | | | | **$30.73** | **$32.27** |