Appendix 8

Geochemical Characterization Report for Waste Rock and Ore from the Doris Deposits, Hope Bay (SRK, November 2011)

Geochemical Characterization Report for Waste Rock and Ore from the Doris Deposits, Hope Bay

Report Prepared for

Hope Bay Mining Ltd.

Report Prepared by

SRK Consulting (Canada) Inc.
1CH008.043
November 2011

Geochemical Characterization Report for Waste Rock and Ore from the Doris Deposits, Hope Bay

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Geochemical Characterization Report for Waste Rock and Ore from the Doris Deposits, Hope Bay – Summary

This report provides an assessment of the acid rock drainage and metal leaching potential of waste rock and ore that would be produced as part of the proposed underground mining activities. The findings presented in this report are a compilation of static and mineralogy data obtained from various sources, including previous studies, samples recently characterized by SRK, and data generated internally by Newmont.

In general, samples from Doris are characterized by high levels of neutralization potential and total inorganic carbon. As a result, most samples were characterized as not-potentially acid generating.

Nunaliqutinut Qanugitni Tuhagakhaliat tapkununga Iqakut Uyaqat Havikhatlu talvanga Doris Piqaqni, Hope Bay – Nainaqhimayut

Una tuhagakhaliat piqagutauyuq naunaiyaqni tapkuat huguilat uyaqat quqluaqninit haviitlu maqilaqnit tahapkunanga iqakut uyaqat havikhatlu pinguqtauniat ilagiplugit tapkuat uuktugutauyut nunap iluani uyagakhiuqniq huliniit. Tapkuat nalvaqtauni ukunani tuhagakhaliat katitauhimani hunniqtaitni havikhaqaqnitlu tuhagakhat piyauyut tahapkunanga allatqinit pitaqviunit, ilautitlugit hivuani naunaiyaqnit, naunaiqtugat qangahaq qanugitni tapkunanga SRK-kut, tapkuatlu tuhagakhaliuqtauyut inmingnit tapkuat Newmont-kut.

Atuqpaknihat, nainaiyagat talvanga Doris qanugitnigiyai puqtuyunit naamalaqnit katitlugitlu huniqtangitnit carbon. Taimaittumik, amihuniqhat naunaiyagat qanugitnilgit huguilaittunaqhininik piqagutauni.

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ᐅᑯᐊ ᑐᓴᒐᒃᓴᑦ ᐱᑕᖅᑲᒻᒪᑕ ᓴᖅᑭᐅᒪᔪᓂᒃ ᖅᑲᐅᔨᓴᕈᑎᓂᒃ ᐆᑎᓄᔪᓐᓇᖅᑐᖅᑕᓕᖕᓂᒃ ᐅᔭᖅᑲᓂᒃ ᖅᑳᒥᓐᓂᐅᓴᔪᖅᑲᒻᒪᖕᓖᖅ ᐊᒻᒪᓗ ᓴᕕᕋᔭᒃᓴᖅᑕᓕᖕᓂᒃ ᓴᖅᑭᐊᔭᐅᒐᔭᖅᑐᓂᒃ ᐃᓚᒋᓕᐅᔾᔭᐅᒐᔭᖅᑐᓂᒃ ᑐᒃᓯᕌᓅᖕᒐᔪᓄᑦ ᓄᓇᐅᑉ ᐃᓗᐊᓂᒃ ᐅᔭᕋᓐᓂᐊᖅᑕᐅᓪᓗᑎᒃ ᐊᐅᓚᑕᓂᒃ. ᓇᓂᔭᐅᓯᒪᔪᑦ ᐅᓂᒃᑳᑦ ᐅᑯᓇᓂ ᑐᓴᒐᒃᓴᑦ ᒪᓕᒃᑐᑦ ᐊᑑᑕᐅᒋᐊᓕᖕᓂᒃ ᐱᖁᔭᖅᑎᒍᑦ ᖅᑲᓄᐃᑦᑐᖅᑕᖅᑲᒻᒪᖕᓖᖅ ᐊᒻᒪᓗ ᐊᑑᑎᔫᒃᓴᑦ ᖅᑲᓄᐃᑦᑑᖕᒪᖕᓖᑕ ᓄᐊᑕᐅᓯᒪᔪᑦ ᐱᔭᐅᓯᒪᖕᒪᑕ ᓇᑭᑐᐃᓐᓇᖅ, ᐃᓚᒋᔭᐅᓪᓗᑎᒃ ᖅᑲᐅᔨᓴᖅᑕᐅᖅᑲᑦᑕᖅᓯᒪᔪᑦ ᓱᖅᑯᐃᖅᑕᐅᑦᓯᐊᕋᓱᐊᖅᑲᑦᑕᖅᓯᒪᔪᑦ, ᐆᒃᑐᖅᑯᖅᑕᐅᓪᓗᑎᒃ ᒫᓐᓇᕋᑖᖕᒍᔪᔪᖅ ᐱᓕᓇᐊᓇᔪᔭᖕᒥᑦ ᐅᑯᐊ SRK-ᑯᑦ, ᓄᐊᑕᐅᔪᒻᒥᔪᑦ ᖅᑲᐅᔨᒪᔾᔪᑎᒃᓴᒫᖅ ᐱᔭᐅᔪᔪᑦ ᐃᓗᐊᓂᒃ ᓄᓇᐅᑉ ᐅᑯᐊ ᓄᐊᔪᔭᖕᒥᑦ Newmont-ᑯᑦ.

ᐃᑑᓐᓇᖕᒋᓐᓂᒃ ᐱᔭᐅᔪᔪᑦ, ᐆᒃᑐᖅᑯᖅᑕᐅᓂᑯᑦ ᐅᕙᖕᒐᑦ Doris-ᒥᒃ ᓇᓗᓇᐃᖅᑕᐅᔪᔪᑦ ᖁᑦᓯᖕᓂᖅᑲᓇᐊᖕᒋᓐᓂᒃ ᖅᑲᐅᔨᓴᖅᑕᑦ ᖅᑲᓄᖅ ᓱᖅᒍᓐᓇᖅᑐᖅᑕᖅᑲᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᒻᒪᓗ ᑲᑎᙵᐅᖅᑐᑦ ᐱᐅᓯᖅᓱᖅᑐᓂᒃ ᐱᑕᑖᑦ. ᑭᖑᖅᖓᒍᑦ ᖅᑲᐅᔨᓴᖅᑕᐅᔪᔪᑦ, ᐃᑑᓐᓇᐸᓗᑎᒃ ᐆᒃᑐᖅᑯᖅᑕᐅᔪᔪᑦ ᖅᑭᒥᖅᑭᔭᐅᔪᓪᓚᑕ ᐱᑕᖅᑲᖕᒋᑐᓪᒎᖅ ᓱᖅᑯᐃᔪᓐᓇᖅᑐᓂᒃ ᐆᑎᓄᔪᓐᓇᖅᑐᓂᒃ ᐅᔭᖅᑲᓂᒃ ᐱᔪᓂᒃ.

Technical Summary

Hope Bay Mining Ltd. (HBML), a wholly owned subsidiary of Newmont Mining (Newmont) is undertaking a comprehensive geochemical characterization program of mine waste at a number of gold deposits in the Hope Bay belt, Nunavut, Canada (Figure 1.1),including the Doris deposits. These studies were initiated primarily in support of an environmental assessment for HBML's Phase 2 mine plan. However, HBML are now advancing plans for expanding mining of the Doris deposits and are preparing an application for an amendment to their Doris North Type A water license for submission to the Nunavut Water Board (NWB). This report provides an assessment of the acid rock drainage and metal leaching (ARD/ML) potential of waste rock and ore that would be produced as part of the proposed underground mining activities, and was prepared in support of the amendment application to the Doris North Type A water licence.

The findings are based on a compilation of static (e.g. ABA) and mineralogy data obtained from various sources, including previous studies, samples recently characterized by SRK, and data generated internally by Newmont. The different testing campaigns used different analytical and data interpretation methods. A comparison of data was made to reconcile the different analytical methods and to select surrogate parameters for the assessment of ARD. Data analysis was performed according to deposit, deposit zone and rock type. Rock types were assigned to each sample using HBML's 2008 standard lithology codes.

The most significant finding from the XRD data from an ARD/ML perspective is that carbonate minerals are abundant in most rock types. Ferroan dolomite ((Ca,Mg,Fe)CO3) was the dominant carbonate mineral, although calcite ($CaCO_3$) and to a lesser degree, siderite (FeCO3) were also present. Pyrite was the only sulphide mineral detected using XRD methods however chalcopyrite and arsenopyrite have been identified visually.

In general, samples from Doris are characterized by high levels of neutralization potential (NP) and total inorganic carbon (TIC). As a result, most samples were characterized as not-potentially acid generating or non-PAG (i.e. ratios of NP to acid potential (AP) or TIC/AP greater than 3). The potential for localized ARD cannot be eliminated because a small proportion of samples was classified as potentially acid generating or PAG ((NP or TIC)/AP < 1). For each deposit, Table 1 outlines noteworthy attributes of the samples classified as PAG.

For many rock types at each of the deposits, classifications based on NP/AP ratios tended to show somewhat higher proportions of samples that were considered PAG or uncertain than the classifications based on TIC/AP ratios. This finding is likely due to the presence of iron carbonates in these samples. TIC values from iron carbonates overestimate the net amount of carbonate capable of providing acid neutralization and buffering due to potential acid generation from subsequent iron hydroxide formation after acid neutralization. For these samples, NP is likely to provide a more conservative and accurate indication of acid neutralization and buffering capacity. Conversely, the opposite was true for other rock types (a higher proportion of samples classified as PAG or uncertain based on TIC/AP ratios due to low carbonate mineral content). For this group of samples, silicate minerals, which are considered to be less effective at maintaining neutral pH conditions than carbonates, are likely contributing to the measured NP content. In these samples, TIC is considered to provide a more conservative indication of buffering capacity and acid neutralization potential.

A comparison of the 90th percentile levels of solid-phase elemental data with five times the average crustal abundance for basalt (Price 1997) indicated that a number of elements that could be mobile under neutral and alkaline pH conditions were elevated. These parameters include arsenic, boron, cadmium, molybdenum, antimony and selenium. Although selenium was identified as elevated in most rock types, the detection limits were high for selenium relative to the average crustal abundance. Some samples contained relatively high concentrations of sulphur in the form of sulphide minerals, suggesting that metal leaching under neutral to alkaline pH conditions may be a concern with respect to water quality. Kinetic test work is currently in progress to assess metal leaching rates. An interim report on the findings will be provided as part of the amendment application.

The Doris deposits will be mined using underground mining methods. The waste rock will be managed according to the protocols outlined in the Doris North Waste Rock and Ore Management Plan (SRK 2010). The PAG rock will be segregated and stored in a separate mineralized waste rock pile until it can be used as backfill in the underground mine. At closure, the backfilled rock will be flooded and inundated by permafrost, and is not expected to result in any long-term closure issues.

Table 1: Summary of ARD Potential for Doris Samples

ARD Classification Method	Sample Criteria	Proportion of Samples Classified as PAG
NP/AP	All samples	5.2%
	Ore	20.4% (n=113)
	Waste	2.1% (n=561)
	No. of samples	675
	Rock Type	Mafic volcanics (1 and 1 mixed), late gabbro intrusive (10a), quartz vein (12q and 12q mixed)
TIC/AP	All samples	9.8%
	Ore	11.4% (n=88)
	Waste	9.6% (n=513)
	No. of samples	602
	Rock Type	Mafic volcanics (1 and1 mixed), late gabbro intrusive (10a), diabase (11c), quartz vein (12q)

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1 Introduction

1.1 Scope

Hope Bay Mining Ltd. (HBML), a wholly owned subsidiary of Newmont Mining (Newmont) is undertaking a comprehensive geochemical characterization program of mine waste at a number of gold deposits in the Hope Bay belt, Nunavut, Canada (Figure 1.1), including the Doris deposits. The characterization program is in support of ongoing feasibility study requirements internal to Newmont and also a future environmental assessment.

HBML are now advancing plans for underground mining of the Doris deposits, and are preparing an amendment to their Doris North Type A water license for submission to the Nunavut Water Board (NWB). This report provides an assessment of the acid rock drainage and metal leaching (ARD/ML) potential of waste rock and ore that would be produced as part of the proposed underground mining activities. The findings are based on a compilation of static (e.g. ABA) and mineralogy data obtained from various sources, including previous studies, samples recently characterized by SRK and data generated internally by Newmont. Kinetic testing has also been completed on a number of samples from these deposits, and interim findings of the kinetic test program will be presented in a separate report.

1.2 Geological Context

The geological information was extracted from the Hope Bay project summary (Miramar 2007).

Hope Bay lies in the northeast corner of the Slave structural province of the Canadian Shield, which is comprised primarily of sedimentary, volcanic and intrusive rocks and is host to a number of significant gold, base metals and diamond deposits. The Hope Bay belt is a typical Archean greenstone belt, and extends over 80 km in length and is up to 20 km wide. The belt is comprised of mafic to felsic meta-volcanics (mainly meta-basalts), with localized sedimentary rocks, and is bounded by Archean granite intrusions and gneisses. The greenstone package has been deformed during multiple events and is transected by major north-south trending shear zones that appear to exert a significant control on the occurrence of mineralization, similar to other Archean greenstone gold camps. Overall the metamorphic grade is lower- to mid-greenschist facies except near the contact with the marginal granitoids where the rocks are hornfelsed to a lower amphibolite-facies metamorphic grade.

The Doris deposits are typical of the "Archean lode" or "greenstone-hosted" deposit style and occur within a steeply dipping, over 3km-long quartz vein system in folded and metamorphosed pillow basalts. At the north end, the vein exploited a stratigraphic contact to create a high-grade anticlinal hinge zone lying close to surface (the Doris Hinge), which will be the first Hope Bay resource to be brought into production as part of the existing Doris North Project.

The anticlinal fold axis extends south through Doris Lake, marking the transition between east-facing strata on the east shore of Doris Lake and west-facing strata on the west shore of Doris Lake. The Doris Hinge Zone is comprised of multiple ore bearing structures: the Lakeshore vein, the Central vein and the Hinge Zone. These veins make up the syn-deformational vein system that hosts high grade gold values in Doris North.

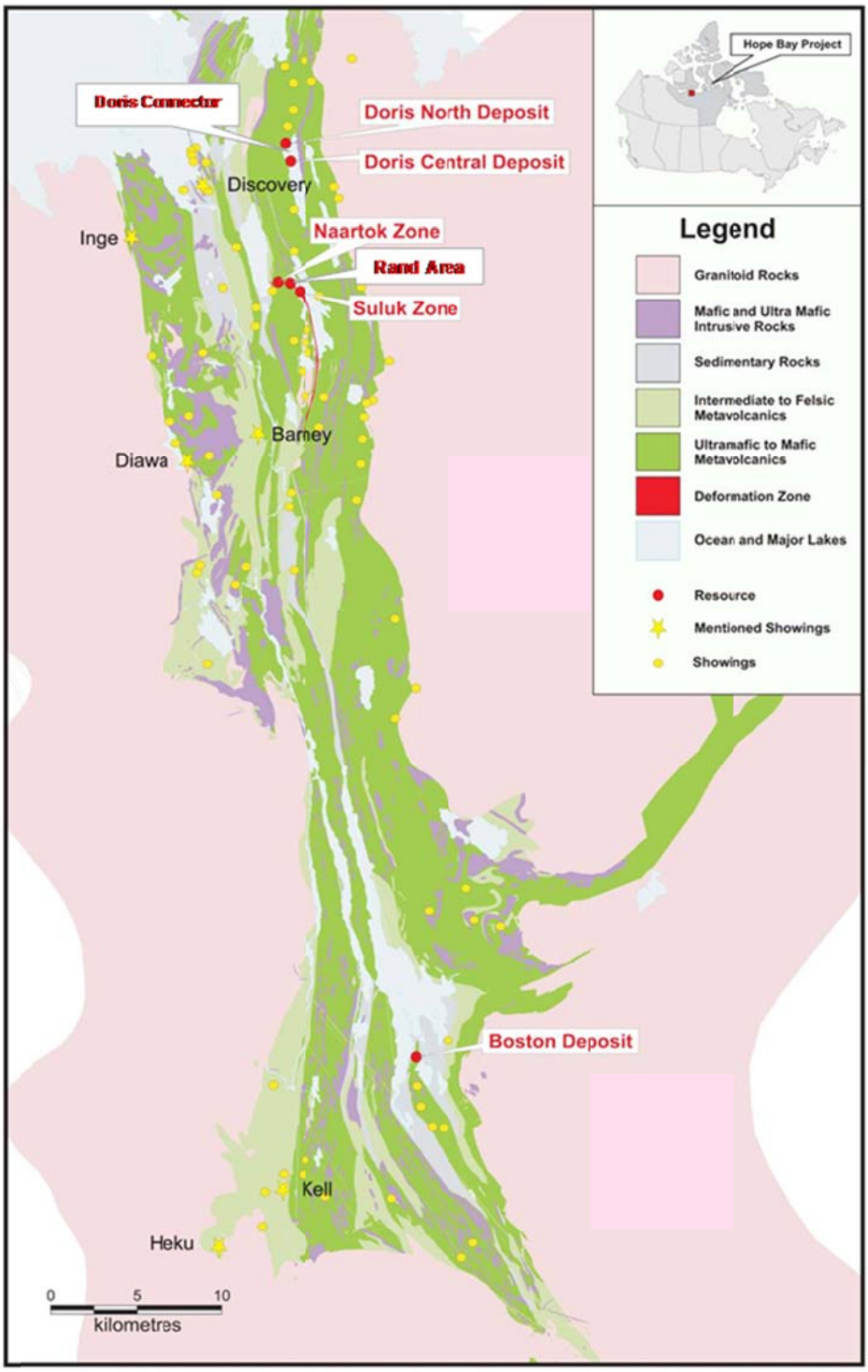

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Figure 1.1: Geology of Hope Bay Belt and Location of the Main Deposits

The Doris vein system is characterized by a series of north-south striking, sub-vertical, gold-bearing, ductile-brittle structures that commonly host wide, stylolitic, ribboned or bull quartz-veins. A total of nine sub-parallel structures have been identified within the Doris vein system. From west to east are: the West Valley Wall (WVW) set, C2/Stringer zone, Central (CV), Lakeshore (LV) and Island veins (IV). The vein systems are accompanied by variable hydrothermal alteration halos. Host rocks are variably carbonate (dolomite) altered and deformed basalts, with lesser gabbro. Gold-bearing structures have been traced by diamond drilling for over 2,300m, and from surface to a depth of 650m. Within the vein, gold is commonly associated with narrow tourmaline-chlorite septa oriented parallel to and along the vein margins. Gold is also associated with disseminated sulphides at the margins of the quartz veins, or with sulphide clusters within the vein. Occasionally, gold is present within brecciated zones adjacent to the quartz veins. Sulphide mineralization consists of trace to 2% pyrite, trace chalcopyrite, rare sphalerite and pyrrhotite.

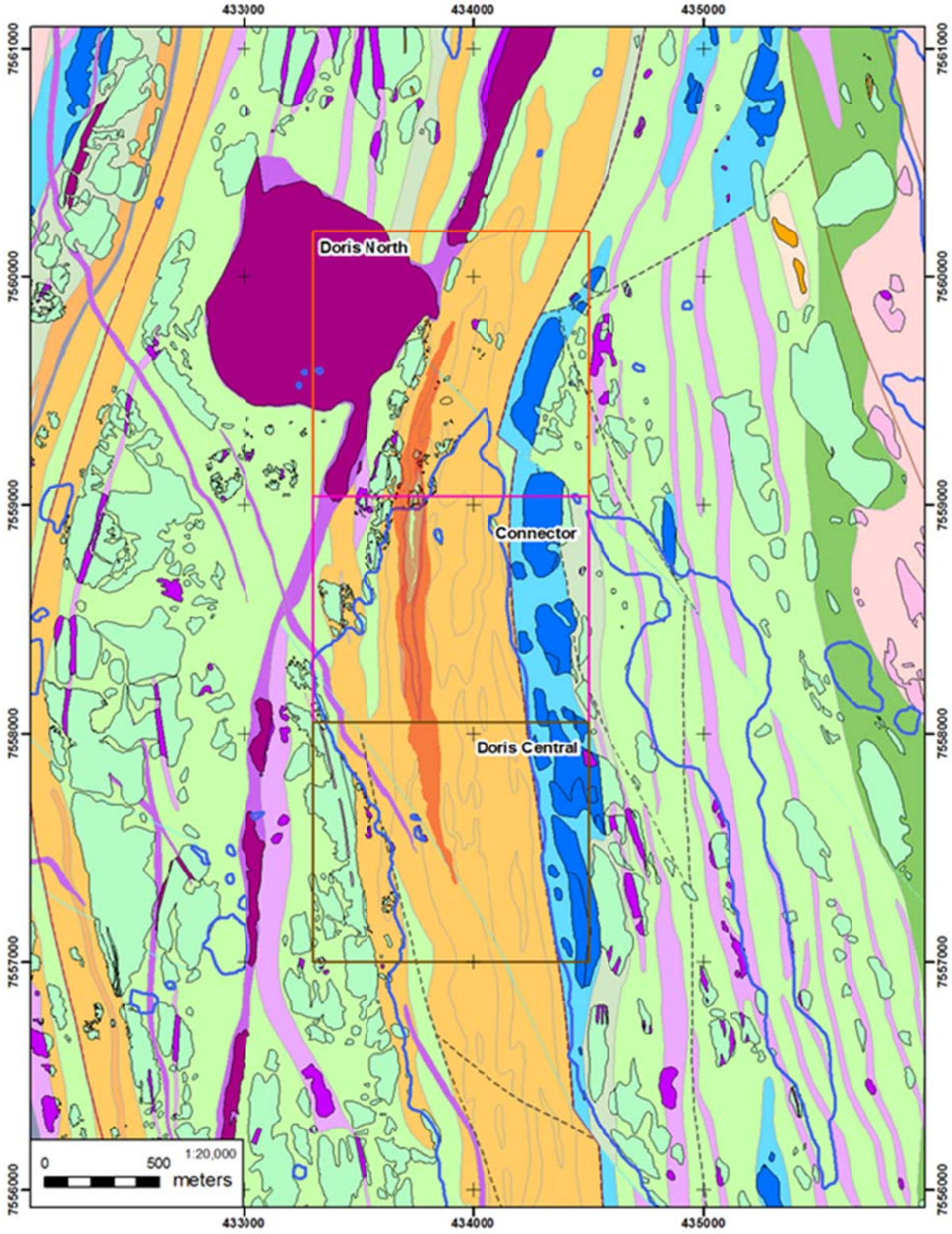
The Doris Project is divided into three main areas: Doris North located north of section 559040N (truncated UTM), Doris Connector from section 559040N to 558050N and Doris Central located south of section 558050N (Figure 1.2). A prominent diabase sill cross cuts each of these areas. Areas of gold mineralization located below the diabase are referred to as the Doris Lower deposits.

1.2.1 Stratigraphy

Doris stratigraphy consists of north-south, sub-vertical, west dipping, greenschist-altered Yellowknife-type volcanics. The stratiform package contains extensive variously deformed and altered pillow basalts, flow basalts and minor intermediate volcanics. The volcanics are intruded by Archaean gabbroic sills and dykes, minor intermediate and mafic dykes and extensive Neoproterozoic Franklin diabase dykes.

Lithologies comprise of mafic volcanic and plutonic lithologies and minor intercalated sediments. Mafic lithologies can be subdivided into Mg-tholeiites (C-type) and Fe-tholeiites (B-type) based on lithogeochemistry analyses. Both subdivisions contain amygdaloidal, variolitic, variably magnetic basalts and pillow flow basalts. Plutonic lithologies include diabase, gabbros and mafic dykes. Felsic units such as the feldspar porphyry make up a minor component of stratigraphy.

Mg and Fe rich pillow basalts are distinguished on surface by pillow morphology. Mg-tholeiites are generally pillow flows with meter scale pillows, thick ~2cm brown green chloritic pillow selvages and are pale green in appearance. In drill core Mg-tholeiites are fine grained with widely spaced pillow selvages and appear dark green. They can also appear massive with occasional visible pillow selvages. Mg-tholeiites are weakly deformed when compared to Fe-tholeiites, but may be strongly altered giving rise to a creamy grey appearance. Fe-tholeiites pillow basalts are smaller, flattened and generally less than 50cm in size. Pillow selvages are composed of black chlorite and are less than 1cm wide. In drill core they show greater deformation and often appear banded as a result of alteration and deformation. Thin massive flow basalt units, ranging in size up to 15m, are regularly intercalated with Fe pillow flow basalt.



Provided by client

Figure 1.2: Surface Geology around the Doris Deposits with the specific deposit outlines, and the 2009 vein shapes projected to surface in dark orange

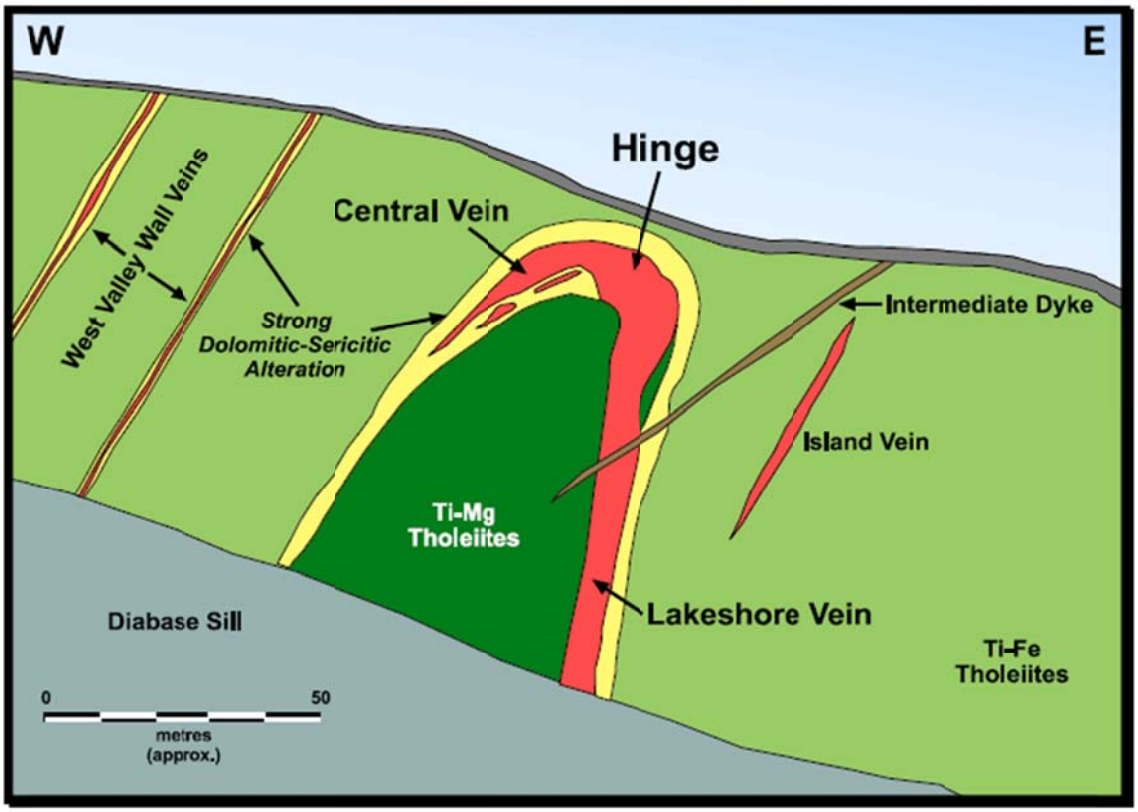


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Figure 1.3: Cartoon cross section of the Doris Deposits

Mafic plutonic lithologies include two generations of gabbros and basaltic dykes. One generation of gabbro appears dark green and is fine to coarse grained. They are generally located intruding near the fold core to the base of pillow basalt flows, which may indicate they are thicker portion of flows or feeder systems. A second generation of leucogabbro-quartz diorite intrudes stratigraphy and displays a medium to coarse grained texture with feldspar phenocrysts and rare micro-quartz eyes. These dykes range in size from 1 to 10m and may be related to quartz diorite intrusions mapped on the periphery of the Doris Suite. A series of black aphanitic dykes intrude stratigraphy at high angles to foliation and crosscut all stratigraphy except diabase.

A series of Franklin diabase dykes intrude the area and clearly crosscut all stratigraphy. The dykes vary in size, are coarse grained and display a felty texture. The most extensive intrusion occurs beneath Doris Central where a 100m thick diabase intersects mineralization. The diabase dykes are pristine and not offset by late faulting.

Felsic lithologies include a fine to medium grained pink moderately foliated dyke intercepted in Doris Connector and Doris Central but not observed at Doris North. Contacts are sharp and sub-parallel to foliation. Ghostly feldspar remnants are observed in drill core along with crosscutting quartz veins. This dyke is texturally indistinguishable from the Wolverine porphyry of the Patch Group rocks. Extrusive expressions of this unit are based upon drill log interpretation citing lack of chill margins and/or gradational contacts.

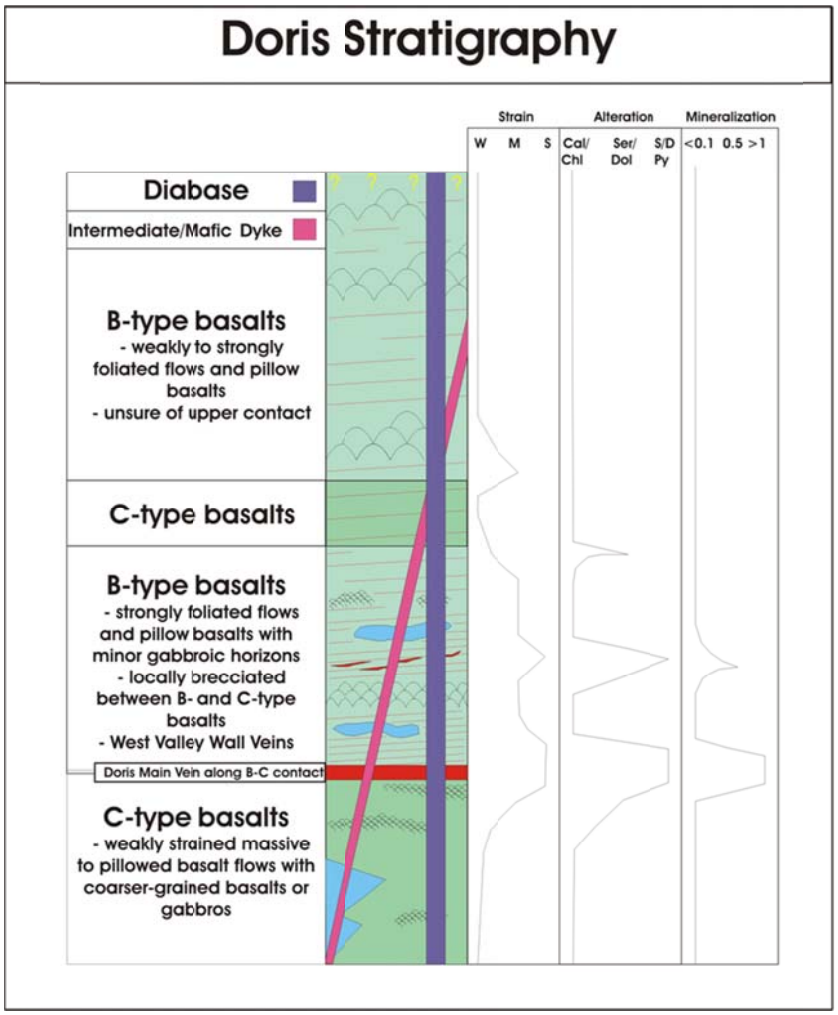

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Figure 1.4: Schematic Representation of Doris Stratigraphy with Major Gold Zones

1.2.2 Structure

Early deformation of the Doris system caused a tight isoclinal fold of the mafic basalt stratigraphy. The fold axis of this isoclinal antiform strikes approximately north south and is doubly plunging. The core of the anticline consists of a more massive Mg tholeiitic basalt. On top or outside of this unit is a Fe tholeiitic basalt. Belt wide deformation associated with the gold event caused a localized near vertical extension of the Doris system. During this extension the Fe tholeiite basalt was more susceptible to strain allowing a dilation of the contact in the anticline hinge and limbs where the Doris vein was formed. The regional fabric changes from a North South orientation within the Central and Connector areas of Doris to a NNE orientation within Doris North area. Later movements within this stress field caused the vein to dislocate along foliation parallel shear planes. At a later point in time the Doris vein was broken and sinestrally offset along North West striking brittle faults. There is a diabase dyke that post-dates the Doris mineralization and bisects the deposit areas.

1.2.3 Alteration

Two types of alteration are located within the region consisting of a weak “distal” and a strong “proximal” system. The weak “distal” alteration system is defined by Mg-Ca carbonate alteration

overprinting basaltic rocks and calcite-leucoxene alteration overprinting gabbroic rocks. A strong "proximal" hydrothermal alteration system is directly related to mineralized quartz veins. Alteration consists of iron dolomite-sericite-paragonite and quartz flooded zones. Sulphidization accompanying gold includes up to 5% pyrite, minor chalcopyrite and arsenopyrite. Alteration intensity decreases away from veining with vein size directly reflecting the alteration envelope size. Alteration may extend up to 45m above the crest of the fold and can range from 0 – 20m along the limbs.

1.2.4 Mineralization

Mineralization in the Doris system is typical of "Archean Lode" deposits. Visible and disseminated gold is found primarily within quartz veins that range from a few cm's to ~10 meters in scale. Gold is commonly associated with narrow tourmaline-chlorite septa oriented parallel to and along the vein margins. Veins contain high-grade intersections but are not consistently mineralized along strike. Visible gold (VG) mineralization consists of coarse leafy free milling grains located along vein margins, tourmaline septa, and wall-rock fragments, and is typically associated with pyrite. Disseminated sulphides consisting of trace to 2% pyrite, trace chalcopyrite, rare sphalerite and pyrrhotite, occur along the vein and septa margins as well as in clusters within the vein. Occasionally gold is present within brecciated zones adjacent to the quartz veins.

1.2.5 Geochemistry

Since drilling began in Doris Connector and Central, whole rock geochemical data (major element oxides) has been sparsely collected. More recently, samples have also been sent for inductively coupled plasma (ICP) emission and inductively coupled plasma mass spectrometry (ICP-MS) analysis of trace elements. In 2009, the importance of continuous down-hole whole rock data, particularly the Al2O3/TiO2 ratio, was recognized for distinguishing B-type basalts from C type basalts and significantly more samples were analyzed in 2010. In a general sense the C-type basalt makes up the core of the system, while the B-type basalt comprises the flanks. Veining and mineralization tends to occur along this lithologic contact.

1.3 Development Concept

The development of the Doris Connector, Central and Lower deposits would be the same as is currently used at Doris North. Access would be from the Doris North portal and a drift driven parallel and to the west of the deposits. The geology intersected will be the same as at Doris North. The drift will initially be used as an exploration drill platform for underground drilling to further define the stopes. Additional drifts and ramps would then be driven towards the stopes to allow mining using mechanized cut and fill methods.

At the south end of the drift there will be another drift driven towards the western shore of Doris Lake at 100m below the bottom of the lake. Once the drift reaches shore, a ventilation raise will be driven to surface, creating a ventilation circuit and a secondary/emergency egress for the crews. The mine plans will be updated on a regular basis and optimized based on the results of ongoing exploration activities, and are therefore subject to change.

1.4 Overview of Previous Work

A number of geochemical characterization studies on waste rock were previously conducted and documented in historical reports. A brief summary of ARD/ML potential for the Doris deposits is

presented based on the conclusions presented in these historical reports. SRK has incorporated previously reported data into this report (where possible) and created an overall database with the more recent test work.

Previous geochemical characterization studies focussed on the Doris North area (Rescan 1997, Rescan 2001, Knight Piesold 2001, Knight Piesold 2002, AMEC 2005, SRK 2007), but also included samples from the Doris Connector and Doris Central deposits. In 2007, Miramar Hope Bay Ltd. (MHBL) received a water license for its proposed Doris North underground mine. Based on NP/AP and NNP values, the majority of waste rock from Doris was classified as not potentially acid generating (non-PAG) with a small number of samples having an uncertain potential for ARD (AMEC 2005). Discrete and narrow intervals of Miramar's proposed portal contained high sulphide content, with the samples classified as potentially acid generating (PAG) (SRK 2007).

The Doris testing programs included four humidity cell (HC) tests on waste rock material. Three of the samples were from Doris Central and one from Doris North. On the basis of results from these tests, metal leaching was not considered to be a concern (Rescan 2001, AMEC 2005). However, detection limits were high for selected parameters.

2 Data Compilation

2.1 Sample Sets

2.1.1 Overview

The geochemical database compiled for the Doris project is from a number of sources, including historic reports and more recent geochemical characterization programs by SRK and Newmont. Details on tests and the testing methods used for each of these programs are discussed and an overall summary of the available data is provided in the following sections.

2.1.2 Historic Samples

ABA Program

Table 2.1 provides an inventory of previous waste rock geochemical characterization programs for Doris, including type and number of samples, analytical methods and testing laboratories. All of the available data for the historic samples is provided in Appendix A.

Table 2.1: Inventory of Previous Doris Waste Rock Geochemical Characterization Programs

Reference	Sample type	# of Samples	Samples in SRK Current Data Set	Analytical Methods							Lab	Comments
				Tot. S	SO4	Sobek NP	Modified NP	TIC	Metals	Details		
Rescan (1997)	drill core	74	73	x		x				Tot. S by Leco	Chemex (North Vancouver, BC)	76 samples noted in text but data for 74 samples reported. One duplicate sample removed from data set.
Rescan (2001)	drill core	76	76	x	x	x		x				
Knight Piesold (2001)	drill core	15	15	x	x	x		x	x			
AMEC (2005)	drill core	1	1	x	x		x	x		Tot. S by Leco, Sulphate method by HCl leach, TIC by CO2 measurement (Acme method)	Vizon (now Maxxam) (Vancouver, BC)	Only one new sample obtained for AMEC (2005). Sample had insufficient spatial information but lithology available.
SRK (2007)	drill core	125	125	x	x	x		x	x	Tot. S by Leco, Sulphate method by HCl leach, TIC by CO2 measurement (Acme method), metals by aqua regia/ICP & XRF	Vizon (now Maxxam) (Burnaby, BC)	From 4 drill holes in localized area
Total		**291**	**290**									

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Kinetic Program

Four humidity cell (HC) tests of waste rock and ore samples from Doris were operated for 39 weeks using the Price (1997) method at BC Research, in Vancouver, BC (Table 2.2). Three samples were from Doris Central and one from Doris North. The tests were operated under the direction of Rescan. Operational details and data are provided in Rescan (2001b). Relevant results will be presented in a separate kinetic testing report.

Table 2.2: List of Historic Humidity Cell Tests

Zone	Sample Type	Sample ID	Cycles	Rock Type
North	Waste	DOP #12	39	Mafic volcanic (1a)
Central	Waste	DUMV #5	39	Mafic volcanic (1a)
		DUG #6		Gabbro (10a)
	Ore	DUQ #1		Quartz vein (12q)

2.1.3 Newmont Samples

Newmont has their own internal standards, procedures and methods to assess the environmental geochemistry of mining wastes at their properties. Their analytical procedures and method of assessing the potential for acid rock drainage is known as Net Carbonate Value (NCV) (NMS 2003). Newmont also routinely carries out XRD analyses (using Rietveld refinement and pattern fitting) and metal analyses on all of the samples that are selected for NCV testing. These analyses are performed at Newmont Metallurgical Services (NMS) laboratory, located in Englewood, Colorado.

Key differences between the NCV method and the conventional ABA procedure are as follows:

- TIC is calculated as the difference between total carbon and organic carbon for the NCV method, whereas TIC is measured using ABA (Section 2.1.4).
- For NCV, acid neutralization potential and acid generation potential are reported in units of % carbon dioxide (versus $CaCO_3$ eq/tonne).
- For NCV, a neutralization potential (NP) titration method called ANPA is used for samples containing metal carbonates which includes metal acidity corrections The ABA method for NP does not include these corrections.

There are also some key differences in the analytical procedures for sulphur speciation. Nonetheless, some of the NCV parameters are the same or sufficiently analogous to more conventional ABA methods and can be used as surrogates for ABA parameters in the interpretation of data. Section 2.5 discusses how the NCV data was incorporated into the SRK data set.

NMS completed a program in 2006 program in support of a due diligence study on the property. The Newmont (2006) data set is an unpublished sample set that includes a total of 98 drill core samples from the Doris deposits. Samples were analyzed for NCV, metals by 4-acid digestion with ICP finish, and XRD using Rietveld refinement and whole pattern fitting. All samples were included in SRK's data set.

Newmont's sample selection was based on geochemical characterization of specific holes in a cross sections (also known as type sections), all of which were selected by Newmont/HBML geologists.

Sample composites for each hole were selected by NMS personnel with review by HBML geologists. The Newmont data are provided in Appendix B.

Table 2.3: Inventory of Newmont NCV Samples

Year	Deposit	Sample type	# of Samples	Samples in SRK (2009) Data Set	Analytical Methods	Lab
2006	Doris	drill core	98	98	Net Carbonate Value methods (see text for description).	Newmont Metallurgical Services (Englewood, Colorado)
Total			**98**	**98**		

2.1.4 SRK Samples

ABA Program

SRK has completed six ABA sampling and testing campaigns on waste rock and ore from Doris, as inventoried in Table 2.4 and described as follows:

- Doris Central: an initial phase of characterization of waste rock associated with a previous plan for underground mine development at the Doris Central deposit,
- Infill: a comprehensive sampling and testing program to address gaps in the spatial and geological coverage of the Doris deposit for an alternative mine development plan,
- Barrel: some additional static tests completed as part of a field barrel testing program,
- Doris North decline: characterization of waste rock from the Doris North decline,
- Doris tunnel: characterization of waste rock associated with a proposed tunnel alignment through Doris Connector, and
- Doris Central diabase: characterization of diabase waste rock at Doris Central.

Data are presented in Appendix C. The details of each sample set are discussed below.

Table 2.4: Inventory of SRK ABA Characterization Programs (2007-2010)

Sample Set	Year	Sample Type	# of Samples	Samples Included in Current Data Set	Comment
Doris Central	2007	drill core	138	138	
Infill	2008	assay pulps	112	112	
Barrel	2008	drill core	2	0	Data excluded because these sample intervals were included the ABA from pulps (see Infill 2008 program)
Doris North decline	2010	drill core	7	7	
Doris tunnel	2010	drill core	28	28	
Doris Central Diabase	2010	drill core	2	2	
Total			**289**	**287**	

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2007 Doris Central Program

In 2007 and prior to HBML's ownership of the Hope Bay project, a total of 138 samples were selected by SRK in support of plans by Miramar Hope Bay Ltd.'s (MHBL) for a Doris Central underground mine. Selection was based on obtaining samples of varying lithologies and spatial distribution from the development area.

All samples were submitted to Cantest Ltd. (now Maxxam Analytics) in Burnaby, BC for the analysis of paste pH, total sulphur (Leco), sulphate (HCl leach), TIC and modified Sobek NP. TIC was determined using a Leco furnace to measure CO2 gas evolved from HCl treatment of the sample at a third party laboratory. Standard Sobek NP was analyzed on approximately 10% of the sample set. Metals analysis was conducted on each sample using an aqua regia digestion with ICP-MS finish.

All samples have been included in the database.

2008 Infill Program

Samples for 2008 infill program were characterized by SRK on behalf of HBML. The objective of SRK's Hope Bay waste rock geochemical characterization program was to:

- Expand the spatial coverage of the Doris deposits provided by existing samples (e.g. historic samples (Section 2.1.2) and the Newmont (2006) sample set (Section 2.1.3).
- Provide sufficient spatial and geological coverage of the development area for an (now obsolete) open pit concept. (The current concept for mining of the Doris deposits is an underground mine).

A total of 112 ABA samples were selected by SRK in 2008 (Table 2.4).

The first step of phase one sample selection was to review the spatial distribution of existing Doris deposit samples relative to the mine workings and identify specific drill holes that would improve spatial coverage. Samples were selected from Doris North, Connector and Central. This was performed collaboratively by SRK and personnel from NMS. Selection of holes was limited to those with accessible exploration pulps.

Once holes were selected, samples were chosen by SRK using geological logs and ore/waste classifications (when available). Ore/waste classifications were assigned by HBML geologists based on assays results for individual pulp samples and using a nominal open pit gold cut-off grade of 0.5 g/t. The objective was to select approximately 10 m long sample composites over the entire length of each hole. Gaps exist where the interval was not sampled during the exploration program. Selection was based primarily on continuity of lithology and waste/ore classifications and secondarily on the continuity of alteration and pyrite content. Intervals classified as ore were composited according to length.

All samples were generated from composites of exploration pulps. The pulps were shipped to Cantest Ltd. (now Maxxam) in Burnaby, BC, where weight-averaged composites were made according to SRK instructions.

All samples were analyzed at Maxxam for paste pH, total sulphur (Leco), sulphate (HCl leach), total carbon (Leco), TIC, modified Sobek NP, and metals (aqua regia digestion followed by ICP-MS finish). For 37 samples, TIC was determined by using a Leco furnace to measure CO_2 gas evolved from HCl treatment of the sample at a third party laboratory. TIC was determined by the difference between total carbon and organic carbon (HCl leach and analysis of the solids by Leco) for 75 of the

samples. This latter method was initially chosen as it is comparable to the method used by NMS, who are also using this data for their internal geochemistry programs. Upon review of the TIC data, SRK identified that organic carbon was detected in samples that were not geologically expected to contain this carbon species (e.g. basalt). This resulted in the underestimation of TIC by difference. Accordingly, for all subsequent test work, SRK switched from calculating TIC to an analytical method that is commonly used in Canada. A 250 g split from each sample was shipped to NMS in Englewood, Colorado where the mineralogy for each sample was determined using XRD with Rietveld refinement and whole pattern fitting.

2008 Field Barrel Test Program

In October 2008, SRK set-up two field barrel tests from the Doris deposits at the Hope Bay site. The objective of these tests is to monitor the leaching and weathering of waste rock under local climactic conditions.

During barrel set-up, a composite sample was taken from each barrel test for geochemical characterization (ABA, metals, XRD and humidity cell). Almost all of the barrel intervals had exploration sample pulps available, which were characterized during the 2008 infill characterization program. For the purposes of ABA only, the exploration pulp samples have been included in the sample set for this report whereas the replicates obtained from the drill core were not for reasons of duplication.

2010 Doris North Decline Program

To further characterize material along the Doris North decline, SRK selected additional samples from existing exploration drillholes. Sample selection considered the spatial distribution of the geology (both Newmont's geological model and drillhole logs) and proximity of drillholes to the decline. The objective in sample selection was to capture the spatial and geological variability of material intersected by the portal and decline. An underlying assumption in sample selection was that diabase is geologically and geochemically uniform.

A total of 68 sample intervals were selected as candidates for characterization, however assay pulps for only seven of these samples were available. Analyses were conducted on seven weight-averaged composites that ranged in length from 0.89 to 7.39 m and included mafic metavolcanics (1), fine- to medium grained mafic dyke (10b) and diabase (11c). The composites were defined on the basis of lithological boundaries. All samples were submitted to Maxxam Analytics for trace metals analysis by aqua regia digestion with ICP-MS finish, and complete ABA analysis including: paste pH, total inorganic carbon (TIC), sulphate sulphur and Modified Sobek neutralization potential (NP) (Appendix C). QA/QC of the data set was performed by SRK.

2010 Doris Tunnel Program

The current mine plan assumes that access to Doris Connector and Doris Central will be provided via a tunnel from Doris North. The approximate tunnel alignment, including a 75 metre buffer zone to allow for flexibility in final design was provided to SRK by Newmont mine engineers. The distribution of drillhole intersections with the tunnel area was cross-referenced to the existing acid-base accounting (ABA) database. ABA data were available for a total of 31 samples, mostly from the Doris North end of the tunnel. To address gaps in spatial coverage, 26 additional samples were selected on the basis of availability of archived assay pulps.

Selected assay pulps within the tunnel alignment buffer were shipped to Maxxam Analytics in Burnaby, BC, where sample composites were prepared according to SRK instructions. Composite selections were based on sample continuity and also review of the drill logs, specifically geology, sulphide distribution and alteration.

Samples were analyzed for trace metals by aqua regia digestion with ICP finish, and ABA parameters, including paste pH, total sulphur (Leco), sulphate sulphur (HCl leach), TIC and modified Sobek NP. TIC was determined by using a Leco furnace to measure CO_2 gas evolved from HCl treatment of the sample at a third party laboratory. A 250 g split from each sample was shipped to NMS in Englewood, Colorado where the mineralogy for each sample was determined using XRD with Rietveld refinement and whole pattern fitting. QA/QC of the data was performed by SRK.

2010 Doris Central Diabase Program

For the purpose of geochemical characterization, two short drillholes were developed at a diabase outcrop at Doris Central. The drilling was performed by Rocky Mountain Soil Sampling (RMSS) under the direction of SRK in September 2010.

Newmont geology performed drill core logging and sampling. The logs included rock and alteration type using Newmont's standard codes and comments on the occurrence of sulphide and carbonate minerals. QA/QC of the data was performed by SRK and considered acceptable.

A total of two samples were shipped to ALS Laboratory in Yellowknife, NWT, Canada, where they were crushed and assayed. A sample split was shipped to Maxxam Analytics, in Burnaby, BC for the analysis of elemental analysis by aqua regia digestion with ICP finish and ABA parameters, including paste pH, total sulphur (Leco), sulphate sulphur (HCl leach), TIC and modified Sobek NP. TIC was determined by using a Leco furnace to measure CO_2 gas evolved from HCl treatment of the sample at a third party laboratory. QA/QC of the data was performed by SRK.

Kinetic Program

SRK is conducting a comprehensive kinetic test program for the Doris deposits, which includes both humidity cell (HC) and barrel tests. An overview of this program is provided as follows. Results will be provided in a separate kinetic testing report.

Table 2.5 outlines the HC samples from Doris. Selection of the test program was based on the statistical distribution of sulphur, NP, TIC and specific trace elements such that samples contain either "typical" or high "sulphur" levels and "typical" levels of NP and TIC. Furthermore, samples of both ore and waste were selected. Given the geological similarities between the different Doris deposits, kinetic tests from any of the Doris zones are assumed to representative of any of Doris North, Connector and Central for the purpose of water quality predictions. All samples selected for HC testing were also subjected to detailed mineralogical characterization.

There are five barrel samples from the Doris area operating at the Hope Bay site. Each barrel is loaded with hundreds of kilograms of broken up drill core that is allowed to weather under site climatic conditions. The leachate is collected from each barrel and submitted for analyses. Table 2.6 outlines the barrel tests from Doris that are currently in operation. Additional barrel samples are in progress on waste rock samples from other gold deposits in the vicinity, and will provide field data for rock units relevant to Doris, e.g. units that are regionally represented at Hope Bay such as mafic metavolcanics.

Table 2.5: Inventory of SRK HC Samples

Sample ID	Zone	Lithology	Rock Type	Economic Classification
HC-7	North	1a	Mafic Volcanic	W
HC-42	North	1a	Mafic Volcanic	W
HC-43	North	1a	Mafic Volcanic	W
HC-49	Central	1a	Mafic Volcanic	W
HC-50	Central	1a	Mafic Volcanic	W
HC-44	North	1a w, 12q, 10b	Mafic volcanic w. quartz vein, late mafic intrusives	W
HC-45	Central	1a w. 12q	Mafic volcanic w. quartz vein	O
HC-6	Central	7a mixed	Early gabbro	mixed
HC-46	Central	10a	Late gabbro	W
HC-51	Central	10a	Late gabbro	W
HC-65	North	10a	Late gabbro	Decline
HC-47	Central	11c	Diabase	W
HC-48	Central	11c	Diabase	W
HC-53	Central	12q	Quartz vein	W
HC-36	Central	12q	Quartz vein	W
HC-54	Central	12q	Quartz vein	O
HC-52	Central	12q	Quartz vein	O

Table 2.6: Inventory of SRK Barrel Samples

ID	Rock Code	Rock Type	Program	Sampling Events
W1[a]	1	Mafic volcanic	2008	4
W5[b]	7a	Early gabbro	2008	3
W13	10a	Late gabbro	2009	3
W10	11c	Diabase	2009	3
W9	12q with 1	Quartz vein with mafic volcanic	2009	3
W12	Blank	Blank	2009	1

[a]Same sample as HC-7

[b]Same sample as HC-6

2.1.5 Summary of Available Testing Data

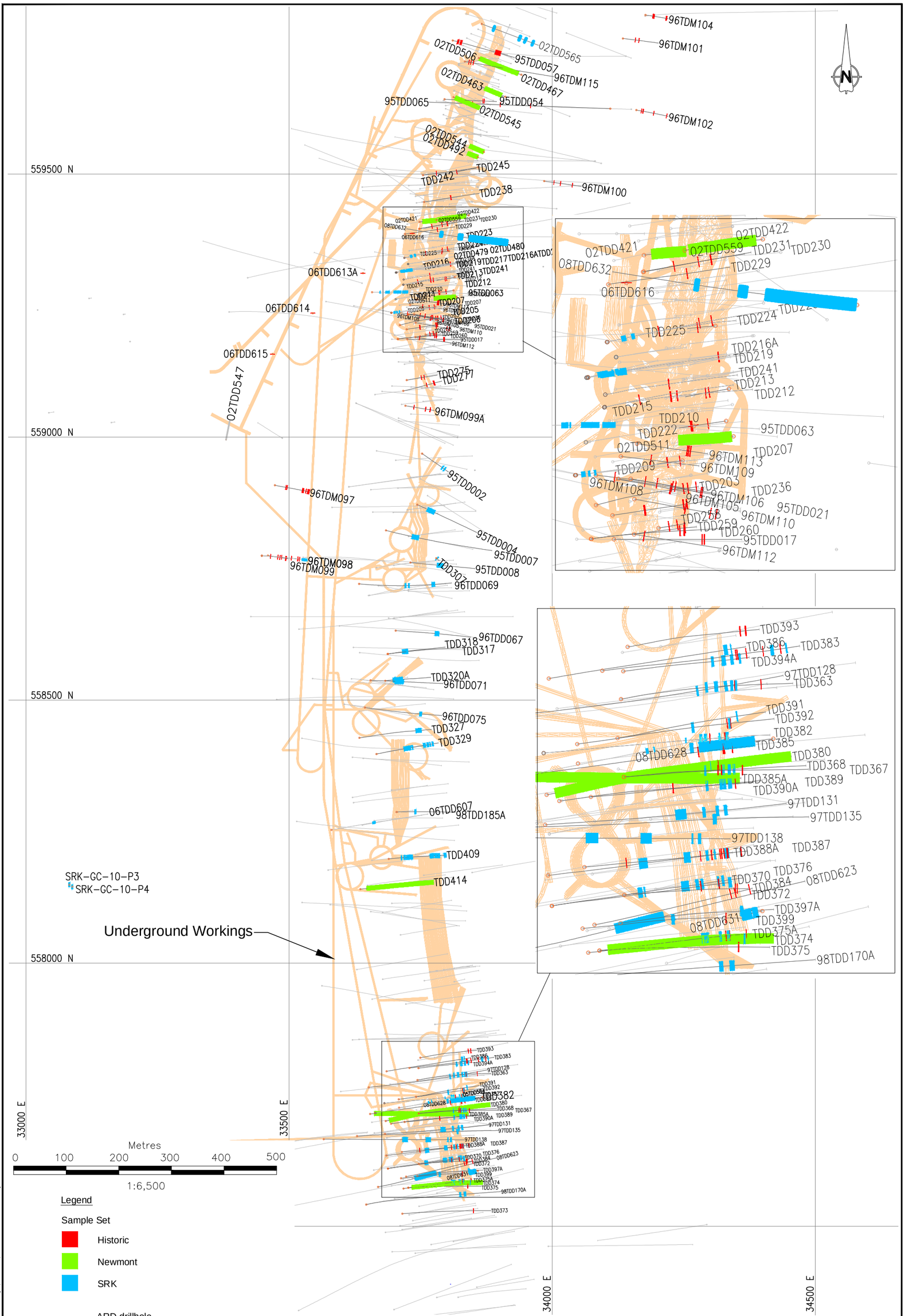
A summary of the testing data compiled for use in this report is provided in Table 2.7.

Table 2.7: Summary of Testing Programs

Deposit	Zone	XRD	ABA or NCV	Elemental Analyses
Doris	North	77	308	224
	Connector	65	92	75
	Central	102	275	226
	Total	**244**	**675**	**525**

2.2 Spatial Distribution of Samples

Figure 2.1 presents the spatial distribution of the ABA samples included in this report and the potential extent of the underground workings at Doris. As discussed in Section 1.3, the mine plans will be updated on a regular basis and optimized based on the results of ongoing exploration activities, and are therefore subject to change. In particular, given limitations on the amount of tailings that can be stored under subaqueous conditions, it is expected that some of the stopes indicated in Figure 2.1 would not be developed during this phase of mining.



srk consulting

SRK JOB NO.: 1CH008.043	**HOPE BAY MINING LTD.**	Waste Rock Geochemical Characterization Program
FILE NAME: ARD_PlanviewDorisRev2.dwg	Hope Bay Project	Plan view of Doris ABA Samples
		DATE: June 2011 / APPROVED: LNB / FIGURE: 2.1

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2.3 Assignment of Geological Attributes

For each sample obtained from drill core, the lithology, alteration type and visual pyrite content were assigned on a length-averaged basis using HBML's database of geology drill logs. The geological attributes and economic classification for each sample are presented in Appendix D. Ore/waste classifications were assigned by HBML geologists based on assays results for individual pulp samples and using a gold cut-off grade of 0.5 g/t. All calculations assumed that the entire sample interval was present. A description of the information and assumptions made when assigning and calculating attributes are described below.

2.3.1 Lithology

Lithology codes were assigned using HBML's 2008 standard lithology codes (Appendix E). Many samples had one unique lithology whereas others (principally the Newmont samples) were mixed and contained secondary and sometimes tertiary lithologies. For mixed samples, the proportion of each lithology was calculated for the sample interval. For data interpretation (e.g. graphing), samples are presented according to their dominant lithology.

The waste management units for the Doris North Waste Rock and Ore Management Plan were defined by the geological block model and the distribution of sulphur (SRK 2010). Consideration was also given to rock types that were geochemically distinct but not in the model (e.g. gabbro). The sample set for SRK (2010) consisted of the Doris North samples included in this report.

Table 2.8 summarizes the Doris North waste management units discussed in SRK (2010) and the lithology codes used herein to discuss the Doris deposit. In Table 2.8, the term mafic volcanic (1) is used interchangeably with basalt. Three of the waste management units (basalt, buffer zone and alteration zone) contain mafic volcanic rocks because the units are defined according to their proximity to the ore body. Geochemically, sulphide content statistically increases for samples of mafic volcanics with proximity to the ore body (SRK 2010).

Table 2.8: Relationship between Waste Management Units (SRK 2010) and Lithology Codes

Waste Management Unit (SRK 2010)	Corresponding Lithology Code
Basalt	Mafic Volcanic (1)
Gabbro	Late gabbro (10a)
Diabase	Diabase (11c, 11cm)
Buffer Zone	Mafic Volcanic (1)
Alteration Zone	Mafic Volcanic (1) Quartz Vein (12q)
Stope	Quartz Vein (12q)

2.3.2 Alteration

Logging of alteration is based on a relative scale using six rankings: none, very weak, weak, moderate, strong and very strong. Sericitic and chloritic alteration types were identified by HBML project geologists as being significant to deposit modelling at Doris.

Some assumptions were made by SRK in alteration assignments. According to HBML geologists, depending on the year of logging, a blank alteration field could denote that either the alteration type

was not present or that the alteration was not recorded (but may be present). For the purposes of alteration assignment, it was assumed that a blank field denoted no alteration was present. For some drill holes, the alteration log was missing discrete interval lengths that intersected some of the ABA sample intervals. For these samples, alteration type was not assigned.

2.4 Data Quality Assurance/Quality Control

2.4.1 Historic Samples

Quality Assurance/ Quality Control (QA/QC) procedures were not applied to samples from the historical sample sets. SRK accepted data for historical sample sets as they were received, as there was no option for re-analysis.

2.4.2 Newmont Samples

All 2006 NCV results provided by Newmont passed their internal QA/QC screening. SRK accepted NCV data as they were received.

2.4.3 SRK Samples

The quality of data for SRK ABA samples was assessed by SRK using rigorous QA/QA procedures. A number of samples were requested for re-analysis with all re-analyzed data deemed acceptable. All re-analyzed data were included in this report.

2.5 Use of Surrogates for Data Interpretation

The various geochemical characterization programs for Hope Bay waste rock have used different analytical methods. Most of the historical data and the more recent SRK data were generated using acid-base accounting methods (ABA), but there have been variations in the testing campaigns (e.g. standard vs. modified Sobek NP). Newmont's characterization programs used the net carbonate value (NCV) method, which consists of analytical and data interpretation methods that were developed internally by Newmont Metallurgical Services (NMS) and consists of analytical and data interpretation methods that typically differ from ABA methods (Section 2.1.3).

A comparison of data was made to reconcile the different analytical methods, with the objective of determining which parameters were to be used in the assessment of acid rock drainage for waste rock. All NCV data were converted to ABA units, which allowed for ARD interpretations using ABA terminology. Table 2.9 outlines the conclusions of the comparison and is a summary of the selected surrogates used in this report for the assessment of ARD.

Table 2.9: Summary of Data used for ARD Assessment

Parameter	ABA Sample Set	NCV Sample Set	Comment
Sulphur (Calculation of Acid Potential)	Total sulphur.	Total sulphur	
Neutralization Potential (NP)	Modified Sobek NP when available, otherwise standard Sobek NP.	NP data by NCV method not adopted.	For NCV samples, SRK adopted solid-phase calcium (Ca) by ICP or XRF as a surrogate for NP. Sobek NP values, if available, preferred to ICP calcium.
Total Inorganic Carbon (TIC)	Calculated or measured TIC (by Leco) preferred to measured TIC (by coulometry). Where both calculated and measured TIC (by Leco) exist, Leco data used. No samples have exclusively measured TIC by coulometry.	Use calculated TIC	Acid-insoluble carbon may be graphite or insoluble carbonate minerals. TIC data not available for all samples.

3 Results & Discussion

3.1 Mineralogy

A total of 246 samples from Doris were analyzed by XRD (Appendix F). Results are summarized in Tables 3.1 and 3.2. Ferroan dolomite, chlorite, plagioclase, and quartz were the dominant minerals in most types of rock, and muscovite, muscovite/sericite, paragonite, calcite, amphibole, biotite, pyroxene, epidote and talc were present at median concentrations of at least 5% in some types of rock (Table 3.1).

From an ARD/ML perspective, carbonate and sulphide minerals are of greatest importance and the focus of this discussion. Carbonate minerals identified by XRD in the Doris area include ferroan dolomite, calcite and siderite. Ferroan dolomite was the most abundant carbonate mineral, with median concentrations on the order of 20% in all three zones (Figure 3.1).

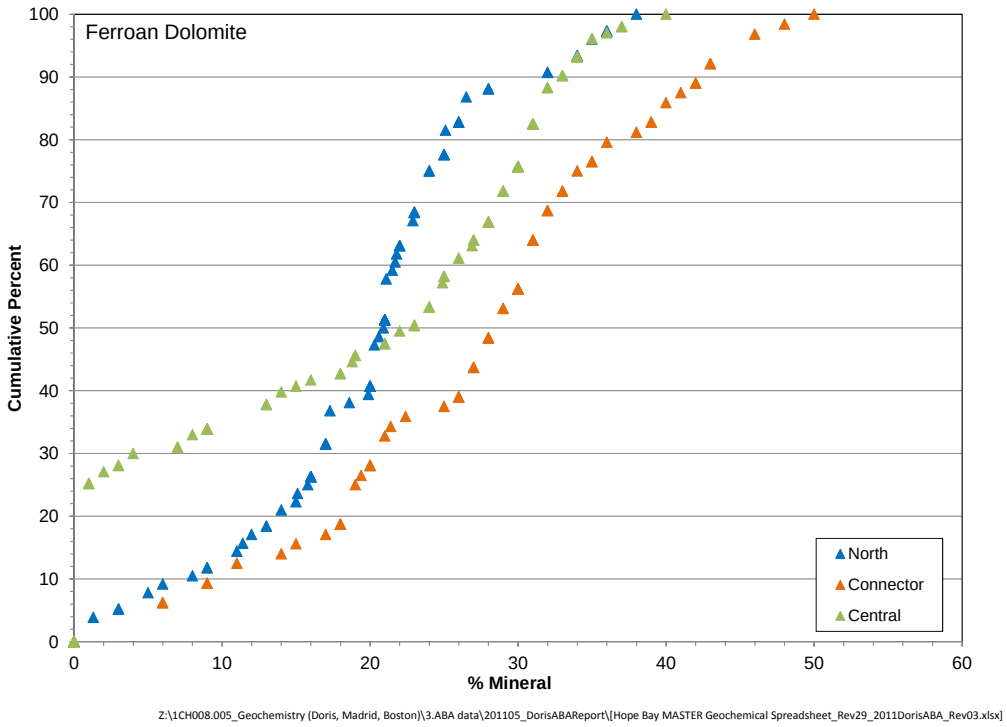

Figure 3.1: Distribution of Ferroan Dolomite for Doris Samples

Calcite and siderite minerals were present at significantly lower levels than ferroan dolomite and were absent in many of the samples (Table 3.2).

Pyrite was the only sulphide mineral detected by XRD and was absent in many of the samples. Where present, pyrite concentrations were as high as 14%.

Lithologies in the Doris sample set (North, Connector and Central) included: mafic to ultramafic volcanics (1, 1a, 1ay, 1p and 1u), intermediate metavolcanics (2a), sedimentary units (5aj), late granitoid rocks (9n, 9pf), late gabbro intrusives (10a), other late mafic intrusive units (10b), diabase (11c and 11cm) and quartz veins (12q). For each rock type, Table 3.1 presents median concentrations of each of the minerals detected by XRD, while Table 3.2 provides a summary of the dominant minerals and the distribution of carbonates and sulphides. Some key differences between rock types are noted as follows:

- Ferroan dolomite was typically absent from samples of sedimentary units (5) and diabase (11c and 11c mixed) (some samples below the 25th percentile had detectable levels) and had relatively low levels in samples of intermediate volcanic rocks (2a), mixed late gabbro intrusive (10a) and late mafic intrusives (10b).
- Calcite levels were highest in samples of intermediate volcanics (2a) and late granitoid rocks (9) and lowest in sedimentary units (5) and quartz veins (12q), although sample numbers were low for the aforementioned rock types.
- Siderite levels were highest in samples of mafic volcanics (1), mafic volcanics mixed with quartz vein (1 with 12q) and mixed quartz veins (12q mixed). Pyrite levels were highest in samples of mafic volcanics mixed with quartz veins (1 with 12q) and also quartz veins (12q and 12q mixed). This suggests that siderite and pyrite content is associated with ore.

Table 3.1: Median Mineral Levels for Lithologies in the Doris Area

Rock type	Albite	Amphibole	Ankerite/Dolomite	Biotite	Calcite	Chamosite Chlorite	Chlorite	Epidote	Gypsum	Ilmenite	Magnetite	Muscovite	Muscovite/Sericite	Paragonite	Plagioclase	Pyrite	Pyroxene	Quartz	Rutile	Scheelite	Siderite	Siderite/Magnesite	Stilpnomelane	Talc	Titanite	Count
Mafic to Ultramafic Volcanics (1, 1a, 1a and 1p)	nd	nd	24	nd	nd	nd	14	nd	nd	nd	nd	nd	nd	6	4	nd	nd	25	1	nd	nd	nd	nd	nd	nd	151
Mafic to Ultramafic Volcanics Mixed with Quartz Vein (1 + 12q)	nd	nd	25	nd	nd	nd	12	nd	nd	nd	nd	6	nd	14	3	1	nd	28	1	nd	nd	nd	nd	nd	nd	17
Mixed Mafic to Ultramafic Volcanics (1)	nd	nd	21	nd	2	nd	31	nd	nd	nd	nd	5	nd	nd	9	nd	nd	21	1	nd	nd	nd	nd	nd	nd	28
Intermediate Metavolcanic Rocks (2a)	nd	nd	8	nd	9	nd	27	1	nd	nd	nd	11	nd	9	18	nd	nd	20	1	nd	nd	nd	nd	nd	nd	2
Sedimentary Units (5aj)	nd	11	nd	17	nd	nd	16	nd	nd	nd	4	nd	nd	nd	29	nd	8	14	1	nd	nd	nd	nd	nd	nd	1
Late Granitoid Rocks (9n, 9pf)	nd	nd	9	nd	6	nd	21	nd	nd	nd	nd	nd	12	nd	25	nd	nd	18	1	nd	nd	nd	nd	nd	nd	3
Late Gabbro Intrusives (10a)	nd	nd	20	nd	3	nd	34	nd	nd	nd	nd	nd	nd	6	7	nd	nd	21	1	nd	nd	nd	nd	nd	nd	9
Mixed Late Gabbro Intrusives (10a)	nd	6	nd	nd	3	nd	34	10	nd	nd	nd	nd	nd	nd	17	nd	nd	14	1	nd	nd	nd	nd	nd	nd	12
Other Late Mafic Intrusives (10b)	nd	9	6	9	2	nd	16	nd	nd	1	nd	nd	2	2	27	nd	12	8	nd	nd	nd	nd	nd	10	nd	2
Diabase (11c and 11cm)	nd	11	nd	nd	1	nd	34	5	nd	nd	nd	nd	nd	nd	25	nd	2	8	nd	nd	nd	nd	nd	nd	nd	6
Mixed Diabase (11)	nd	24	nd	nd	1	nd	14	nd	nd	nd	nd	6	nd	nd	33	nd	17	4	1	nd	nd	nd	nd	nd	nd	1
Quartz veins (12q)	nd	nd	13	nd	nd	nd	nd	nd	nd	nd	nd	nd	7	3	nd	3	nd	70	2	nd	nd	nd	nd	nd	nd	8
Mixed Quartz veins (12q)	nd	nd	21	nd	nd	nd	4	nd	nd	nd	nd	6	nd	2	1	1	nd	61	1	nd	nd	nd	nd	nd	nd	4

nd=non-detectable

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Table 3.2: Summary of Mineralogy Data by Lithology

Lithology	Number of Samples	Dominant Minerals (i.e. with median concentrations >5%)					Carbonates												Sulphides			
		Ferroan Dolomite	Chlorite	Plagioclase	Quartz	Other	Ferroan Dolomite				Calcite				Siderite				Pyrite			
							P25	P50	P75	P90	P25	P50	P75	P90	P25	P50	P75	P90	P25	P50	P75	P90
Mafic to Ultramafic Volcanics (1, 1a, 1ay and 1p)	151	x	x		x	Paragonite,	19	24	30	35	0	0	2	7	0	0	4	8	0	0	1	2
Mafic to Ultramafic Volcanics Mixed with Quartz Vein (1 + 12q)	17	x	x		x	Muscovite, Paragonite,	16	25	30	33	0	0	6	10	0	0	3	4	0	1	1	2
Mixed Mafic to Ultramafic Volcanics (1)	28	x	x	x	x		13	21	28	32	1	2	4	9	0	0	2	3	0	0	0	1
Intermediate Metavolcanic Rocks (2a)	2	x	x	x	x	Calcite, Muscovite, Paragonite,	4	8	11	14	8	9	9	9	0	0	0	0	0	0	0	0
Sedimentary Units (5aj)	1		x	x	x	Amphibole, Biotite, Pyroxene,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Late Granitoid Rocks (9n, 9pf)	3	x	x	x	x	Calcite, Muscovite/Sericite	8	9	18	23	3	6	7	7	0	0	0	0	0	0	0	0
Late Gabbro Intrusives (10a)	9	x	x	x	x	Paragonite,	13	20	34	38	1	3	4	11	0	0	0	1	0	0	0	0
Mixed Late Gabbro Intrusives (10a)	12		x	x	x	Amphibole, Epidote,	0	0	17	19	1	3	5	9	0	0	0	0	0	0	1	1
Other Late Mafic Intrusives (10b)	2	x	x	x	x	Amphibole, Biotite, Pyroxene, Talc,	3	6	8	10	1	2	3	4	0	0	0	0	0	0	0	0
Diabase (11c and 11cm)	6		x	x	x	Amphibole,	0	0	0	7	0	1	3	4	0	0	0	0	0	0	1	1
Mixed Diabase (11)	1		x	x		Amphibole, Muscovite, Pyroxene,	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Quartz veins (12q)	8	x			x	Muscovite/Sericite,	4	13	27	27	0	0	0	0	0	0	0	2	1	3	5	11
Mixed Quartz veins (12q)	4	x			x	Muscovite,	16	21	29	33	0	0	0	1	0	0	1	1	0	1	2	2

nd=non-detectable

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3.2 Acid-Base Accounting

ABA data analysis is presented according to zone and rock type. The data are not presented in the context of alteration because there were no clear trends between ARD classifications and alteration types.

There were a total of 675 ABA samples from Doris, including the North, Connector and Central zones (Appendix G). The distribution of samples relative to the proposed underground workings at Doris is shown in Figure 2.1. Relatively few of the samples were from Connector (n=92). Accordingly, interpretations for the Connector zone may be prejudiced by the smaller sample set.

Paste pH values for Doris were neutral to alkaline with values ranging from 7.4 to 10.1.

Sulphur speciation data indicate that essentially all of the sulphur occurred as sulphide (Appendix G). The distribution of sulphur by zone and rock type is shown in Figure 3.2 and

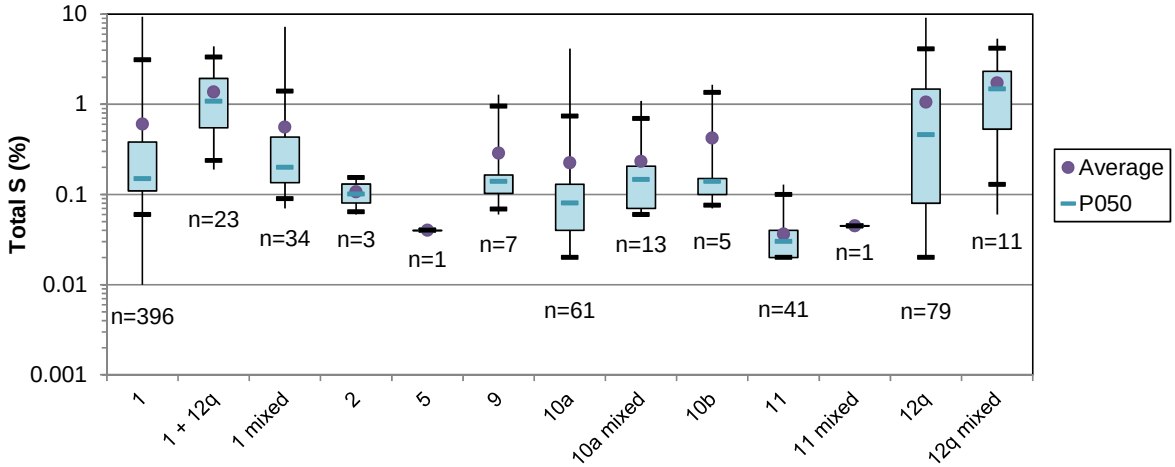

Figure 3.3. The distribution of sulphur content was similar for the North, Connector and Central samples, with the highest levels observed for Central and Connector (Figure 3.2). The selection criteria for many of the Central samples was based on an underground mine plan, therefore their higher sulphur content may be a result of sample proximity to the ore body. Some key differences between rock types are discussed as follows (Figure 3.3):

- Sulphur concentrations tended to be highest in the mafic volcanic mixed with quartz veins (1 with 12q), and in the quartz veins (12q and 12q mixed), with concentrations exceeding 1% in a substantial proportion of the samples.
- Sulphur concentrations were consistently very low (<0.1%) in the diabase (11c and 11c mixed) samples, and were also typically low in the late gabbro (10a), intermediate volcanic (2) and sedimentary units (5).
- Typical sulphur concentrations in most of the other units were in the range of 0.1 to 0.5%.

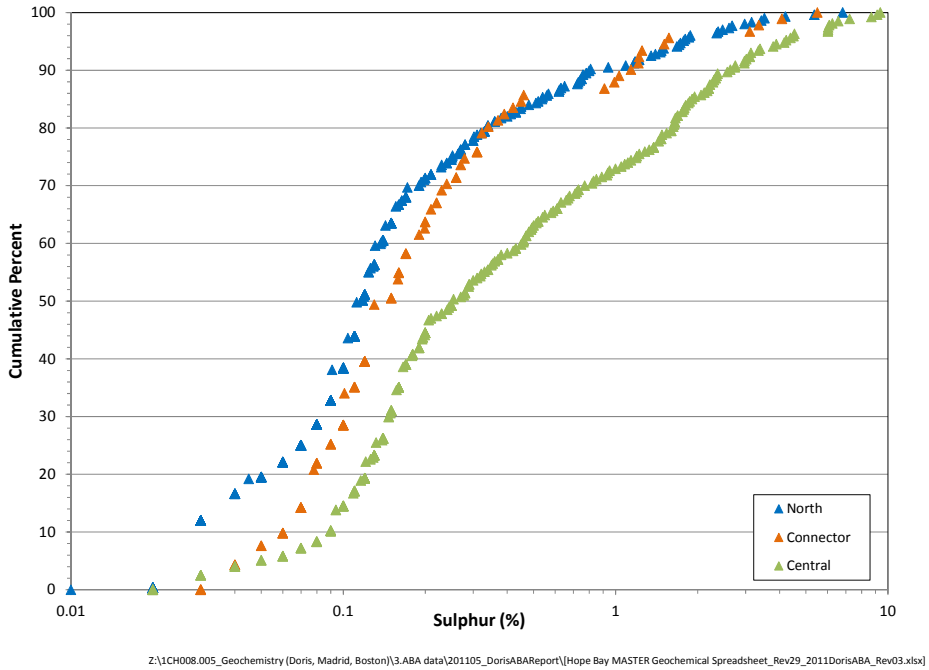

Figure 3.2: Distribution of Sulphur for Doris North, Connector and Central Samples

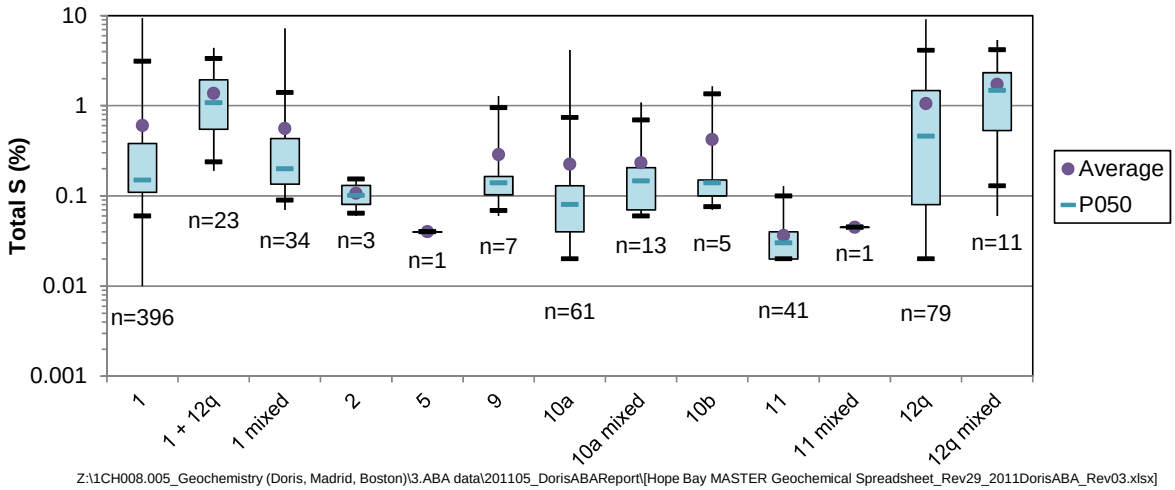

Figure 3.3: Percentile Distribution of Sulphur by Rock Type

(This plot is a conventional box and whisker graph, with the upper and lower extremes showing the minimum and maximum values, tick marks outside of the box showing the 10th and 90th percentiles, outer margins of the box showing the 25th and 75th percentiles and central division in the box showing the median value).

Figure 3.4 to Figure 3.6 present the distribution of NP and TIC according to deposit and rock type, while Figure 3.7 presents the relationship between NP and TIC for each of the deposits. Some key observations are discussed as follows:

- For all three zones, most samples had high levels of NP and TIC, with median values greater than 100 kg $CaCO_3$ eq/t.
- Samples from Doris Central and Doris Connecter tended to have higher levels of NP and TIC than samples from Doris North.

- NP and TIC levels were anomalously low (median levels less than 30 kg $CaCO_3$ eq/t) for samples of sedimentary units (5), late gabbro (10a), diabase (11c) and quartz vein (12q). The samples of late gabbro and diabase contained negligible amounts of TIC (median levels of 2 to 3 kg $CaCO_3$ eq/t).
- An appreciable portion of the Doris North samples (approximately 30 to 40%) had NP or TIC values of less than 20 kg $CaCO_3$ eq/t. Many of these samples were located outside of the main area of the workings and were lithologically characterized as late gabbro (10a), diabase (11c) and mafic volcanics (1a). However, several of these samples were quartz vein (12q) from within the workings. The mafic volcanic samples with low NP appear to be an anomaly as this unit generally contains abundant amounts of NP and TIC.
- The relationship between NP and TIC is not straightforward (Figure 3.7), partially as a result of the different analytical procedures that have been used for the Doris samples, and partially as a result of the iron carbonates that are present in these samples.
  - For Doris North samples with values of NP less than 100 kg $CaCO_3$ eq/t, NP tended to be higher than TIC. The NP for those samples were typically determined by the standard Sobek method or calculated from calcium content, and may reflect neutralization provided by silicate minerals rather than carbonates. For Doris North samples with NP between 100 and 300 kg $CaCO_3$ eq/t, there was no clear trend between NP and TIC. Samples with NP greater than TIC were analyzed by the Sobek NP method and were mostly mafic volcanics (1a) located outside of the mine workings or late gabbro (10a) and diabase (11c). Samples with TIC greater than NP were associated with either the modified Sobek NP method or NP calculated from calcium content. Generally there was parity between NP and TIC for values of NP greater than 300 kg $CaCO_3$ eq/t. This sample group included NP determined by all three methods (standard Sobek, modified Sobek and calcium content).
  - For Doris Connector samples, the sample set for NP and TIC was smaller with most samples having higher levels of TIC than NP, which is likely due to the presence of iron carbonate. NP was determined by the modified Sobek method for all samples except one.
  - A modest proportion of Doris Central samples with NP levels of less than approximately 170 kg $CaCO_3$ eq/t tended to have higher NP than TIC values. The NP measurements in this group of samples were either calculated from calcium or determined using the standard Sobek method, and tended to occur in mafic volcanics (1a), late gabbro (10a), diabase (11c) or quartz vein (12q), suggesting that silicates may be contributing to the NP results. Conversely, for NPs greater than approximately 170 kg $CaCO_3$ eq/t, NP levels reflecting all three test methods were lower than TIC, likely reflecting presence of iron carbonates.

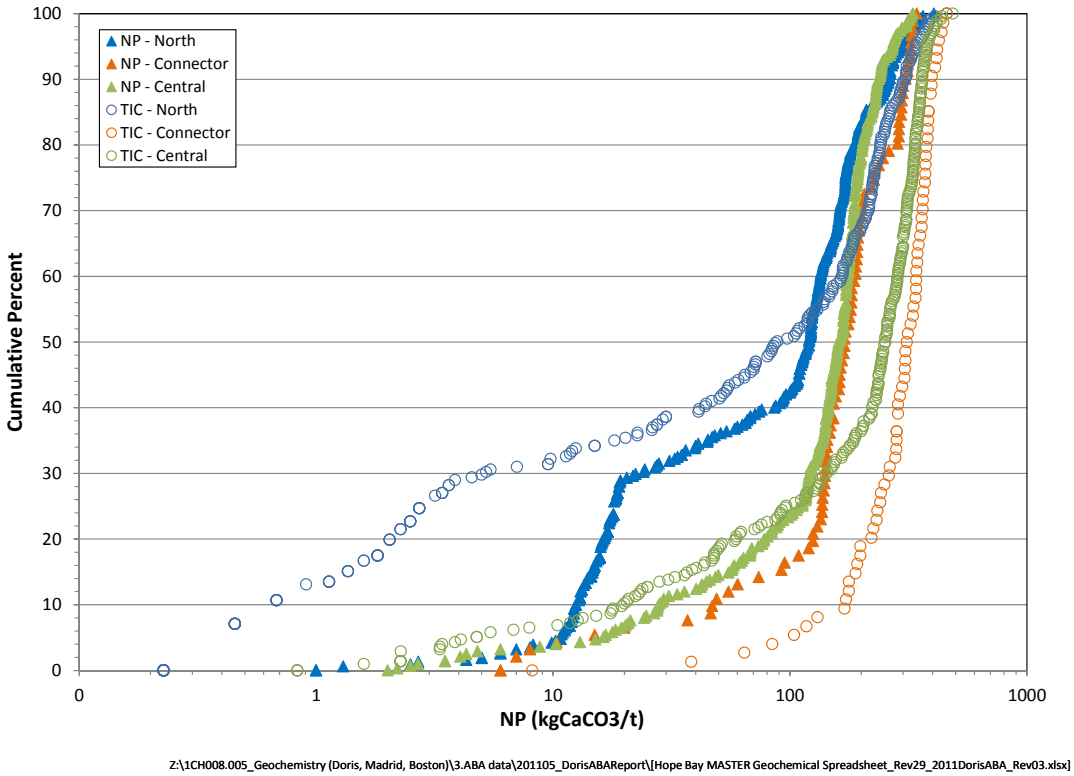

Figure 3.4: Distribution of NP and TIC for Doris North, Connector and Central Samples

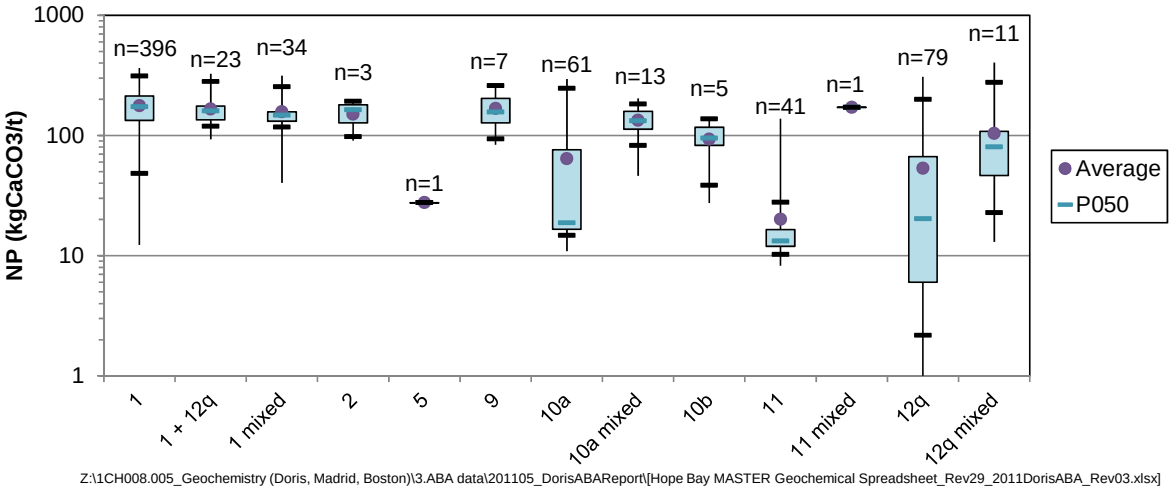

Figure 3.5: Percentile Distribution of NP by Rock Type

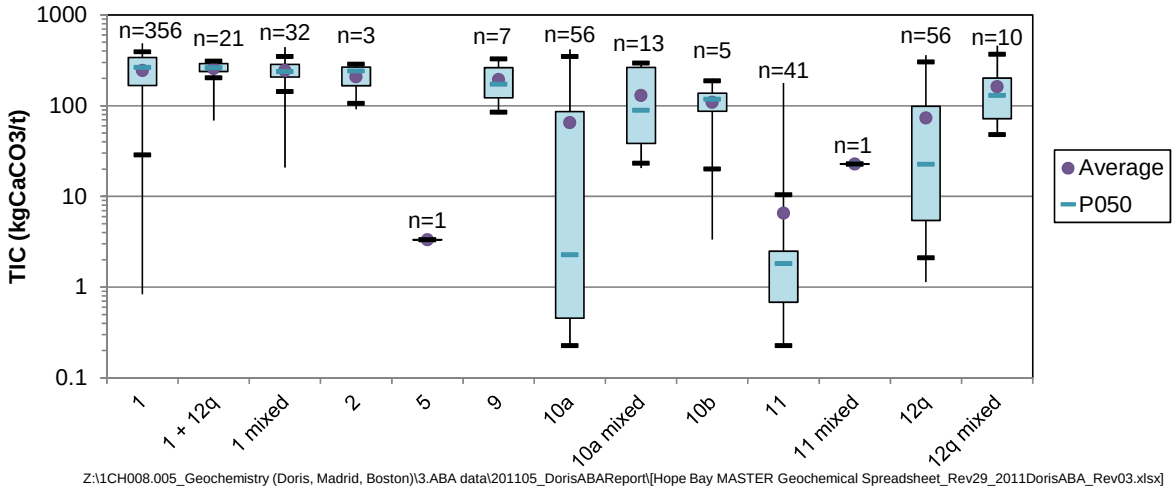

Figure 3.6: Percentile Distribution of TIC by Rock Type

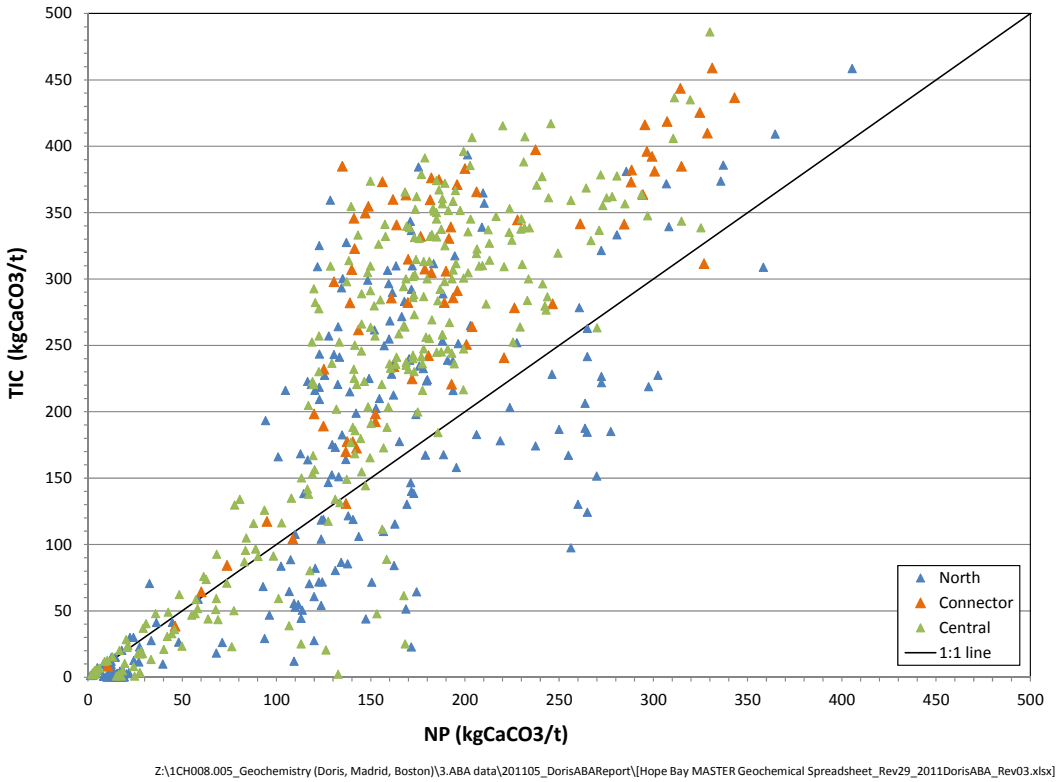

Figure 3.7: Comparison of NP and TIC Levels for Doris North, Connector and Central Samples

Figure 3.8 and Figure 3.9 and Table 3.3 show the ARD classifications of samples from Doris North, Connector and Central. Samples that were classified as ore are circled.

The majority of the samples are classified as non-PAG both by NP/AP ratios and by TIC/AP ratios. Many of the samples that were classified as uncertain (1< (NP or TIC)/AP< 3; n=74 (NP) or 82 (TIC)) or PAG ((NP or TIC)/AP < 1; n=34 (NP) or 59 (TIC)) were economically classified as ore or a mixture of ore and waste rock (denoted by the circles in Figure 3.8 and Figure 3.9). Lithologies with samples

classified as uncertain or PAG included mafic to ultramafic volcanics (1 and 1 mixed), mafic volcanics mixed with quartz vein (1 with 12q), sedimentary units (5), late gabbro (10a), other mafic to ultramafic intrusive (10b), diabase dyke (11c) and quartz vein (12q and 12q mixed) (Table 3.3). Intermediate volcanic (2a) and granitic intrusive (9n, 9nf) samples were consistently classified as non-PAG, however their respective sample sets were small.

For the mafic volcanics mixed with quartz veins (1 with 12q) and quartz veins (12q and 12q mixed), classifications based on NP/AP ratios tended to show somewhat higher proportions of samples that were considered PAG or uncertain than the classifications based on TIC/AP ratios (Table 3.3). This finding is likely due to the presence of iron carbonates in these samples, which results in TIC content that does not contribute to the actual amount of carbonate capable of providing acid neutralization and buffering. For these samples, NP is likely to provide a more accurate and conservative indication of acid neutralization potential buffering capacity.

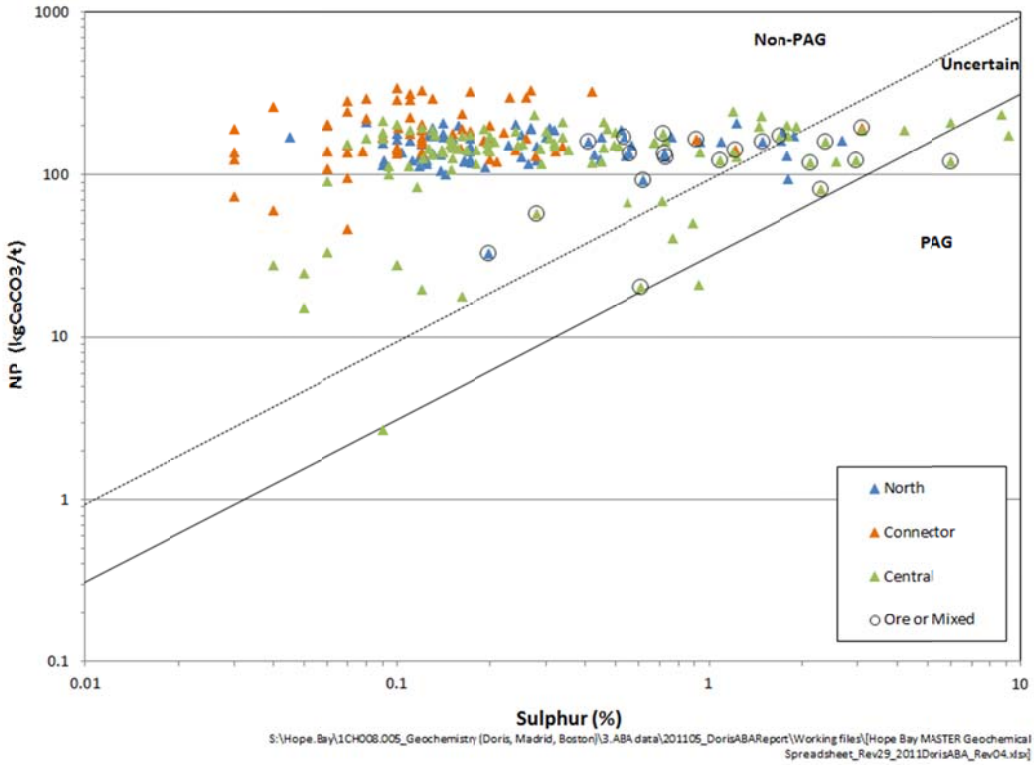

Figure 3.8: NP to AP (Expressed as Sulphur) for Doris North, Connector and Central Samples

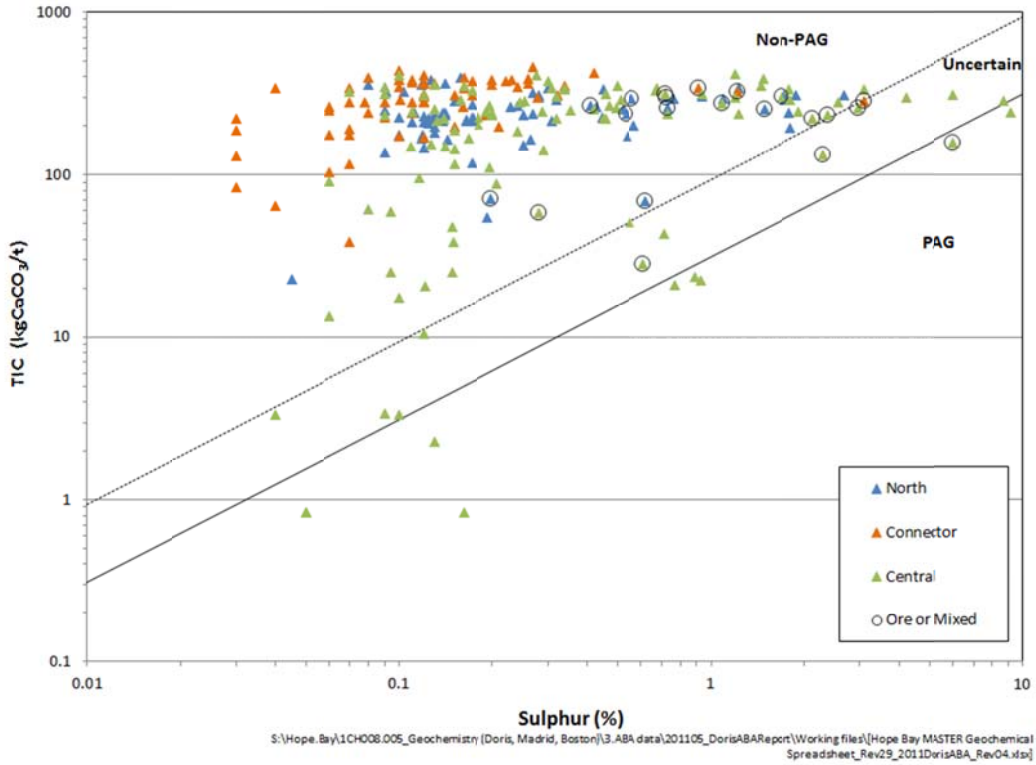

Figure 3.9: TIC to AP (Expressed as Sulphur) for Doris North, Connector and Central Samples

Table 3.3: ARD Classifications According to Rock Type

Lithology	Number of Samples		ARD Classification (% of Samples)					
			non-PAG		Uncertain		PAG	
			(NP or TIC)/AP >3		1 < (NP or TIC)/AP <3		(NP or TIC)/AP < 1	
	NP/AP	TIC/AP	NP/AP	TIC/AP	NP/AP	TIC/AP	NP/AP	TIC/AP
Mafic to ultramafic volcanic (1, 1a, 1ay, 1p and 1u)	396	356	91%	91%	8%	6%	2%	3%
Mafic to ultramafic volcanics (1) mixed with Quartz Vein (12q) only	23	21	74%	95%	26%	5%	0%	0%
Mixed mafic to ultramafic volcanics (1)	34	32	94%	94%	3%	3%	3%	3%
Intermediate Volcanics (2a)	3	3	100%	100%	0%	0%	0%	0%
Sedimentary units (5aj)	1	1	100%	0%	0%	100%	0%	0%
Granitic Intrusives (9n, 9nf)	7	7	100%	100%	0%	0%	0%	0%
Late gabbro intrusives (10a)	61	56	87%	38%	8%	18%	5%	45%
Mixed late gabbro intrusives (10a)	13	13	100%	100%	0%	0%	0%	0%
Other late mafic intrusives (10b)	5	5	80%	60%	20%	40%	0%	0%
Diabase (11c and 11cm)	41	41	100%	20%	0%	54%	0%	27%
Quartz veins (12q)	79	56	42%	46%	29%	30%	29%	23%
Mixed Quartz Veins (12q)	11	10	27%	40%	64%	60%	9%	0%

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Conversely, for the late gabbro (10a) and diabase (11c), classifications based on NP/AP ratios tended to have a lower proportions of samples that were considered PAG or uncertain than the classifications based on TIC/AP ratios. For these groups of samples, silicate minerals, which are considered to be less effective at maintaining neutral pH conditions, are likely contributing to the NP content and accordingly, TIC is considered to provide a more conservative indication of buffering capacity for classifying ARD potential.

The following discussion highlights some of the specific findings for each of the main rock units:

- Mafic Volcanics (1, 1a, 1ay, 1p, 1u) and mafic volcanic mixed with lithologies other than quartz vein (1 mixed) comprised the vast majority of the samples and the rock that is likely to be encountered during mining. Most samples were classified as non-PAG, although 8% and 6% of samples were classified as uncertain on the basis of NP/AP and TIC/AP, respectively (Table 3.3). A smaller proportion of samples (2-3%) were classified as PAG primarily on the basis of high sulphur content or low TIC. For samples classified as PAG or uncertain, the sample lengths were short, often less than 2 or 3 m and as short as 10 cm. This suggests that these materials will be well blended with the surrounding rock, although further investigation is warranted.
- Mafic Volcanics with quartz veins (1 with 12q) had a higher proportion of samples that were classified as uncertain as compared with mafic volanics (1 and 1 mixed). This was primarily due to the higher sulphur content. All of these samples were categorized as ore.
- Late gabbro intrusives (10a) tended to contain relatively little TIC, and classifications by TIC/AP ratios indicated a substantial portion of samples that would be classified as PAG (45%) or uncertain (18%). Most of the PAG and uncertain samples were short intervals (less than 1 m) sourced from one drill hole (06TDD614) located outside of the main area of the workings. This suggests that many of the gabbro samples may not be representative of run-of-mine rock.
- Diabase (11c and 11cm) samples tended to contain low sulphur, NP and TIC, and on the basis of TIC/AP, 54% of samples were classified as uncertain and 27% as PAG. However, the low sulphur content suggests that the risk for ARD is likely low.
- Quartz veins (12q) and quartz veins mixed with other units (12q mixed) tended to have higher sulphur and lower NP and TIC levels in comparison to other units, resulting in many of the samples being classified as uncertain or PAG. Most of these samples were from relatively narrow intervals (less than 3 m), and most were classified as ore from the Central zone.

3.3 Solid-Phase Elemental Composition

There were solid-phase elemental data for 525 samples from the Doris North, Connector and Central zones, although there were relatively few Doris Central samples in this data set. A statistical analysis of each element for the different rock types from Doris is presented in Appendix H.

Parameters were screened by comparing 90th percentile levels against ten times and five times the average crustal abundance for basalt (Price 1997). Table 3.4 presents a summary of elevated parameter according to lithology. Parameters listed in Table 3.4 that are neutral pH mobile elements include arsenic, boron, cadmium, molybdenum, antimony and selenium. Detection limits were high for selenium relative to the average crustal abundance; therefore it was flagged as elevated for each rock type even though all of the results were less than the detection limit. There were less than ten

data points of neutral pH elements for many rock types, including intermediate volcanic (2a), granitic intrusives (9n, 9f), sedimentary units (5)and other late mafic intrusives (10b).

Table 3.4: Summary of Elevated Solid-Phase Elements

Lithology	P90 > 10x Crustal Abundance[1]	P90 > 5x Crustal Abundance[1]	< 10 Data Points
Mafic to Ultramafic Volcanics (1, 1a, 1p, 1ay and 1u)	Ag, As, Cd, Sb, Bi, Tl, S, Se,		No
Mafic Volcanics Mixed with Quartz Vein (12q)	Ag, As, Cd, Sb, Bi, Tl, S, Se,		--
Other Mixed Mafic Volcanics	Ag, As, Cd, Sb, Bi, Tl, S, Se,		--
Intermediate Volcanics (2a)	Ag, As, Cd, Sb, Tl, Se,		Yes (e.g. Mo, Cu, Zn, As, Se)
Granitic Intrusives (9n, 9pf)	Bi,	B, Se,	Yes (e.g. Mo, Cu, Zn, As, Se)
Sedimentary Units (5aj)	Ag, As, Sb, Bi, Tl, Se,	B,	Yes (e.g. Mo, Cu, Zn, As, Se)
Late Gabbro Intrusives (10a)	Cu, Ag, Bi, Se,		No, but many samples from outside the mine workings.
Mixed Late Gabbro Intrusives	Ag, As, Cd, Sb, Bi, Tl, S, Se,	B,	Yes (e.g. U, Hg)
Other Late Mafic Intrusives (10b)	Ag, As, Bi, Se,	B,	Yes (e.g. Mo, Cu, Zn, As, Se)
Diabase (11c and 11cm)	Bi, Se,	Cu, B,	No, but many samples from outside the mine workings.
Mixed Diabase	As, Cd, Sb, Tl, Se,	Ag,	--
Quartz Veins (12q)	Ag, As, Bi, Hg, S, Se,	Mo, B,	No
Mixed Quartz Vein	Ag, As, Sb, Bi, Tl, S, Se,	Cd, Hg,	--

[1]Basalt

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4 Summary and Conclusions

This report provides an assessment of the acid rock drainage and metal leaching (ARD/ML) potential of waste rock and ore that would be produced as part of the proposed underground mining activities at the Doris deposits, and was prepared in support of the amendment application to the Doris North Type A water licence.

The findings are based on a compilation of static (e.g. ABA) and mineralogy data obtained from various sources, including previous studies, samples recently characterized by SRK and data generated internally by Newmont. The different testing campaigns used different analytical and data interpretation methods. A comparison of data was made to reconcile the different analytical methods and to select surrogate parameters for the assessment of ARD. Data analysis was performed according to deposit, deposit zone and rock type. Rock types were assigned to each sample using HBML's 2008 standard lithology codes.

The most significant finding from the XRD data from an ARD/ML perspective is that carbonate minerals are abundant in most rock types. Ferroan dolomite ($Ca(Mg,Fe)CO_3$) was the dominant carbonate mineral, although calcite ($CaCO_3$) and to a lesser degree, siderite ($FeCO_3$) were also present (Table 4.1). Pyrite was the only sulphide mineral detected using XRD methods however chalcopyrite and arsenopyrite have been identified visually.

The majority of the samples are classified as non-PAG both by NP/AP ratios and by TIC/AP ratios (Table 4.2). Many of the samples that were classified as uncertain (1< (NP or TIC)/AP< 3; n=74 (NP) or 82 (TIC)) or PAG ((NP or TIC)/AP < 1; n=34 (NP) or 59 (TIC)) were classified at a 0.5 g Au/t nominal open pit cut-off grade as ore or a mixture of ore and waste rock. Lithologies with samples classified as uncertain or PAG included mafic to ultramafic volcanics (1 and 1 mixed), mafic volcanics mixed with quartz vein (1 with 12q), sedimentary units (5), late gabbro (10a), other mafic to ultramafic intrusive (10b), diabase dyke (11c) and quartz vein (12q and 12q mixed) (Table 4.2). Intermediate volcanic (2a) and granitic intrusive (9n, 9nf) samples were consistently classified as non-PAG, however their respective sample sets were small.

For the mafic volcanics mixed with quartz veins (1 with 12q) and quartz veins (12q and 12q mixed), classifications based on NP/AP ratios tended to show somewhat higher proportions of samples that were considered PAG or uncertain than the classifications based on TIC/AP ratios (Table 4.3). This finding is likely due to the presence of iron carbonates in these samples, which result in TIC values that overestimate the actual amount of carbonate capable of providing buffering. For these samples, NP is likely to provide a more conservative indication of buffering capacity.

Conversely, for the late gabbro (10a) and diabase (11c), classifications based on NP/AP ratios tended to have lower proportions of samples that were considered PAG or uncertain than the classifications based on TIC/AP ratios (Table 4.3). For these groups of samples, silicate minerals, which are considered to be less effective at maintaining neutral pH conditions, are likely contributing to the NP content and accordingly, TIC is considered to provide a more conservative and accurate indication of buffering capacity and acid neutralization potential.

A comparison of the 90th percentile levels of solid-phase elemental data with five times the average crustal abundance for basalt (Price 1997) indicated that a number of elements that could be mobile under neutral pH conditions were elevated (Table 4.4). These parameters include arsenic, boron,

cadmium, molybdenum, antimony and selenium. Detection limits were high for selenium relative to the average crustal abundance; therefore it was identified as elevated for each rock type.

Kinetic test data will be discussed in a subsequent report.

The Doris deposits will be mined using underground mining methods. The waste rock will be managed according to the protocols outlined in the Doris North Waste Rock and Ore Management Plan (SRK 2010). The PAG rock will be segregated and stored in a separate mineralized waste rock pile until it can be used as backfill in the underground mine. At closure, the backfilled rock will be flooded and inundated by permafrost, and is not expected to result in any long-term closure issues.

Table 4.1: Summary of Carbonate and Sulphide XRD Data

Lithology	Number of Samples	Carbonates												Sulphides			
		Ferroan Dolomite				Calcite				Siderite				Pyrite			
		P25	P50	P75	P90	P25	P50	P75	P90	P25	P50	P75	P90	P25	P50	P75	P90
Mafic to Ultramafic Volcanics (1, 1a, 1ay and 1p)	151	19	24	30	35	nd	nd	2	7	nd	nd	4	8	nd	nd	1	2
Mafic to Ultramafic Volcanics Mixed with Quartz Vein (1 + 12q)	17	16	25	30	33	nd	nd	6	10	nd	nd	3	4	nd	1	1	2
Mixed Mafic to Ultramafic Volcanics (1)	28	13	21	28	32	1	2	4	9	nd	nd	2	3	nd	nd	nd	1
Intermediate Metavolcanic Rocks (2a)	2	4	8	11	14	8	9	9	9	nd	nd	nd	nd	nd	nd	nd	nd
Sedimentary Units (5aj)	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Late Granitoid Rocks (9n, 9pf)	3	8	9	18	23	3	6	7	7	nd	nd	nd	nd	nd	nd	nd	nd
Late Gabbro Intrusives (10a)	9	13	20	34	38	1	3	4	11	nd	nd	nd	1	nd	nd	nd	nd
Mixed Late Gabbro Intrusives (10a)	12	nd	nd	17	19	1	3	5	9	nd	nd	nd	nd	nd	nd	1	1
Other Late Mafic Intrusives (10b)	2	3	6	8	10	1	2	3	4	nd	nd	nd	nd	nd	nd	nd	nd
Diabase (11c and 11cm)	8	nd	nd	nd	7	nd	1	3	4	nd	nd	nd	nd	nd	nd	1	1
Mixed Diabase (11)	1	nd	nd	nd	nd	1	1	1	1	nd	nd	nd	nd	nd	nd	nd	nd
Quartz veins (12q)	8	4	13	27	27	nd	nd	nd	nd	nd	nd	nd	2	1	3	5	11
Mixed Quartz veins (12q)	4	16	21	29	33	nd	nd	nd	1	nd	nd	1	1	nd	1	2	2

nd=non-detectable

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Table 4.2: ARD Classifications According to Rock Type

Lithology	Number of Samples		ARD Classification (% of Samples)					
			non-PAG		Uncertain		PAG	
			(NP or TIC)/AP >3		1 < (NP or TIC)/AP <3		(NP or TIC)/AP < 1	
	NP/AP	TIC/AP	NP/AP	TIC/AP	NP/AP	TIC/AP	NP/AP	TIC/AP
Mafic to ultramafic volcanic (1, 1a, 1ay, 1p and 1u)	396	356	91%	91%	8%	6%	2%	3%
Mafic to ultramafic volcanics (1) mixed with Quartz Vein (12q) only	23	21	74%	95%	26%	5%	0%	0%
Mixed mafic to ultramafic volcanics (1)	34	32	94%	94%	3%	3%	3%	3%
Intermediate Volcanics (2a)	3	3	100%	100%	0%	0%	0%	0%
Sedimentary units (5aj)	1	1	100%	0%	0%	100%	0%	0%
Granitic Intrusives (9n, 9nf)	7	7	100%	100%	0%	0%	0%	0%
Late gabbro intrusives (10a)	61	56	87%	38%	8%	18%	5%	45%
Mixed late gabbro intrusives (10a)	13	13	100%	100%	0%	0%	0%	0%
Other late mafic intrusives (10b)	5	5	80%	60%	20%	40%	0%	0%
Diabase (11c and 11cm)	41	41	100%	20%	0%	54%	0%	27%
Quartz veins (12q)	79	56	42%	46%	29%	30%	29%	23%
Mixed Quartz Veins (12q)	11	10	27%	40%	64%	60%	9%	0%

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Table 4.3: Rock Types with Differences in ARD Classifications using NP/AP and TIC/AP

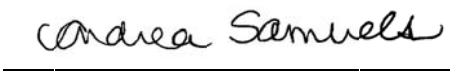
Rock Types with a More Conservative ARD Classification Method	
NP/AP	**TIC/AP**
Mafic volcanics mixed with quartz veins (1 with 12q) Quartz vein (12q and 12q mixed)	Late gabbro (10a) Diabase (11c)

Table 4.4: Summary of Elevated pH Neutral Mobile Solid-Phase Elements

Lithology	Code	P90 > 5x Average Crustal Abundance of Basalt (Price 1997)
Mafic to Ultramafic Volcanics	1	As, B, Cd, Sb, Se
Mafic Volcanics Mixed with Quartz Vein	1 with 12q	As, B, Cd, Sb, Se
Other Mixed Mafic Volcanics	1 (mixed)	As, B, Cd, Sb, Se
Intermediate Volcanics	2a	As, Cd, Sb, Se
Granitic Intrusives	9	B, Se
Sedimentary Units	5	As, B, Cd, Sb, Se
Late Gabbro Intrusives	10a	As, B, Cd, Sb, Se
Mixed Late Gabbro Intrusives	10a (mixed)	As, Cd, Sb,Se
Other Late Mafic Intrusives	10b	As, B, Se
Diabase	11c	As, B, Cd, Sb, Se
Quartz Veins	12q	As, B, Mo, Se
Mixed Quartz Vein	12q (mixed)	As, Cd, Sb, Se

This report, "**Geochemical Characterization Report for Waste Rock and Ore, Doris Deposits, Hope Bay**", was prepared by SRK Consulting (Canada) Inc.

Prepared by



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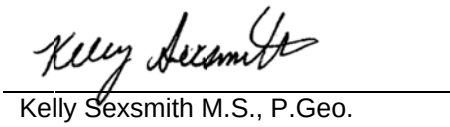

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Appendices

Appendix A: Geochemical Data – Historic Samples

Appendix A-1: Geochemical Data - Historic Samples
Acid-Base Accounting Data, Rescan (1997)

Zone	Lab ID	Drillhole	Depth From	Depth To	Paste pH	Total S	Sobek NP
			(m)	(m)		(Wt.%)	($kgCaCO_3/t$)
North		95TDD065	398.75	399.23	9.3	0.07	60
North		95TDD065	405.62	406.22	9.4	0.03	31
North		96TDM115	17.64	17.97	9.8	0.1	68
North		96TDM115	24.97	25.28	9.7	0.1	51
North		96TDM115	25.28	25.55	9.8	0.15	108
North		96TDM104	23.87	24.39	9.5	0.36	347
North		96TDM106	54.62	54.9	9.4	0.13	247
North		96TDM106	81.28	81.65	9.4	0.11	317
North		96TDM108	49.68	49.95	9.5	0.1	346
North		96TDM110	56.93	57.5	9.6	0.15	296
North		96TDM102	13.56	14.09	9.2	2.61	308
North		96TDM105	63.91	64.4	8.7	2.47	253
North		96TDM105	64.49	65.1	8.9	3.43	311
North		96TDM112	11	11.56	8.9	4.2	310
North		96TDM099A	55.62	56.06	9.3	3.16	327
North		95TDD017	105.22	105.68	8.8	0.21	41
North		95TDD017	107.65	108.51	8.8	0.06	87
North		95TDD021	90.9	91.36	8.7	0.09	123
North		95TDD021	92.47	92.81	8.8	0.07	91
North		95TDD065	231.02	231.5	8.7	0.02	40
North		96TDM100	26.87	27.16	8.8	0.16	86
North		96TDM102	82	82.26	8.8	0.07	54
North		96TDM106	21.05	21.29	8.8	0.02	66
North		96TDM109	33.16	33.47	8.8	0.13	108
North		96TDM115	11.96	12.2	8.9	0.14	74
North		96TDM099A	69.19	69.5	8.7	0.04	100
North		95TDD065	318.57	319.02	8.9	0.01	35
North		95TDD054	101.2	101.6	8.5	0.11	233
North		95TDD054	104.28	104.57	8.5	0.11	175
North		95TDD057	122.13	127.2	8.5	0.1	131
North	B	95TDD057	113.47	117.82	8.5	0.12	184
North		96TDM110	90	90.3	8.6	0.15	208
North		96TDM110	90.3	90.53	8.7	0.12	158
North		96TDM099A	68.26	68.59	8.5	0.04	143
North		96TDM099A	68.59	68.85	8.9	0.03	124
North		96TDM104	55.98	56.26	8.4	0.11	242
North		96TDM104	58.02	58.27	8.6	0.12	194
North		96TDM108	29.55	29.85	8.5	0.34	149
North		96TDM110	83.93	84.24	8.8	0.13	164
North		96TDM113	59.1	59.7	9.2	0.08	319
North		96TDM101	33.73	34.35	8.5	0.51	13
North		96TDM101	43.57	44.17	8.8	0.75	76
North		96TDM113	57.1	57.65	8.6	1.86	65
North		96TDM100	76.97	77.57	8	0.34	6
North		96TDM102	46.93	47.4	7.4	0.36	1
North		96TDM113	55.5	56.07	8.5	0.08	7
North		96TDM099A	56.06	56.65	8.8	1.22	63
North		96TDM104	20.2	20.72	8.4	0.06	14
North		96TDM104	21.36	22.06	8.5	0.06	13
North		96TDM099A	23.47	23.97	8.8	0.48	47
North		96TDM100	44.63	45.2	8.3	0.19	1
North		96TDM102	17.59	18.37	8.9	0.62	108
North		96TDM102	18.45	19.03	8.7	0.4	35
North		95TDD057*	12.78	16.47	9.1	0.14	45
North		95TDD057*	20.52	24.49	9.5	0.21	28
North		95TDD057*	117.00	126.24	8.5	0.2	202
North		96TDM098	77.26	77.53	9.4	0.09	322
North		96TDM097	30.07	30.67	9.6	0.15	323
North		96TDM098	94.08	94.7	8.8	3.36	289
North		96TDM097	83.63	83.93	8.8	0.04	144
North		96TDM097	83.93	84.2	9	0.05	153
North		96TDM098	23	23.26	8.5	0.37	166
North		96TDM097	74.55	75	8	1.14	8
North		96TDM097	75.7	76.38	8.2	0.31	7
North		96TDM097	77.23	77.91	8.5	1.57	47
North		96TDM097	74	74.6	8.6	0.05	20
North		96TDM098	98.38	99	8.1	0.16	6
North		96TDM097	33.21	33.95	8.7	0.17	49
North		96TDM098	51.94	52.47	8.7	0.46	55
North		96TDM099	26.75	27.55	8.5	0.31	37
North		96TDM099	32.2	32.7	8.4	4.08	92
North		96TDM099	47.55	48.11	8.3	1.25	15
North		96TDM099	48.84	49.5	8.2	1.03	6

*Sample drillhole originally identified as 96TDD057, which does not exist. Drillhole ID change to 95TDD057 after verifying that all lithologies matched the given interval.

Appendix A-2: Geochemical Data - Historic Samples
Acid-Base Accounting Data, Rescan (2001)

Zone	Lab ID	Other ID	Paste pH	Total S	Sulphate	Sulphide (calc'd)	TIC (Meas'd)	Sobek NP
				(Wt.%)	(Wt.%)	(Wt.%)	(Wt.%CO)	$kgCaCO_3/t$
North	DOUB #1		8.7	0.11	<0.01	0.11	5.08	162.9
North	DOP #5		8.7	0.21	<0.01	0.21	3.76	137.8
North	DOP #6		8.9	0.02	<0.01	0.02	6.1	172.9
North	DOP #8		9.3	0.8	<0.01	0.8	14.68	280.7
North	DOP #11		9.1	1.35	<0.01	1.35	14.95	308.3
North	DOP #12		9.4	1.68	<0.01	1.68	16.99	337.1
North	DOP #13		9	0.09	<0.01	0.09	6.96	195.5
North	DOP #15		9	0.78	<0.01	0.78	16.37	307
North	DOP #16		9.3	1.17	<0.01	1.17	13.6	358.4
North	DOP #19		9.4	0.33	<0.01	0.33	18.02	364.7
North	DOP #22		9.1	0.13	<0.01	0.13	6.17	171.7
North	DOP #1		8.3	<0.02	<0.01	0.02	0.23	6
North	7692	DOP #2	8.3	1.4	<0.01	1.4	1.32	22.3
North	5085	DOP #3	8.3	0.09	<0.01	0.09	0.42	8
North	DOP #4		8	<0.02	<0.01	0.02	0.66	12.5
North	DOP #7		8.4	<0.02	<0.01	0.02	<0.05	2.7
North	5820	DOP #9	8.3	0.43	<0.01	0.43	0.42	12.3
North	DOP #10		8.5	0.08	<0.01	0.08	0.89	18
North	6007	DOP #14	8.4	0.07	<0.01	0.07	0.24	5
North	7445	DOP #17	8	<0.02	<0.01	0.02	<0.05	1.3
North	8486	DOP #20	8.7	0.63	<0.01	0.63	1.32	24.1
North	8482	DOP #21	8.4	0.08	<0.01	0.08	0.1	2.5
North	7901	DOP #23	8.3	0.02	<0.01	0.02	0.52	12.3
North	7902	DOP#24	8.1	2.38	<0.01	2.38	0.66	14.5
North	7903	DOP#24	8.3	2.98	0.01	2.97	1.81	36.3
North	7627	DOP #25	8.2	0.38	<0.01	0.38	0.31	5
North	7629	DOP #26	8.1	<0.02	<0.01	0.02	0.17	4.3
Central	DUG #2		9	0.06	<0.01	0.06	3.53	117.8
Central	DUG #3		9.3	0.11	<0.01	0.11	11.12	225.6
Central	DUG #4		9.1	0.03	<0.01	0.03	0.79	26.7
Central	DUG #5		9.1	0.08	<0.01	0.08	1.35	42.1
Central	DUG #6		8.3	1.85	<0.01	1.85	5.71	77.8
Central	DUG #7		9	0.1	<0.01	0.1	1.58	45.9
Central	DUG #8		9	0.11	<0.01	0.11	2.61	68.1
Central	DUMV #1		9.4	0.16	<0.01	0.16	14.49	266.9
Central	DUMV #2		9.2	1.69	<0.01	1.69	12.18	243.1
Central	DUMV #5		8.9	6.57	<0.01	6.57	11.62	229.3
Central	DUMV #6		9.1	0.17	<0.01	0.17	0.86	28.2
Central	DUMV #7		8.7	0.23	<0.01	0.23	15.31	297
Central	DUMV #8		8.9	6.09	<0.01	6.09	14.07	249.4
Central	DUMV #9		9.2	0.14	<0.01	0.14	15.65	273.2
Central	DUMV #10		9.4	0.04	<0.01	0.04	16.23	264.4
Central	DUMV #11		9.2	1.05	<0.01	1.05	15.95	278.2
Central	DUMV #12		9.3	0.2	<0.01	0.2	16.33	238.1
Central	DUMV #13		9.2	0.09	<0.01	0.09	14.91	234.3
Central	DUMV #14		8.9	1.64	<0.01	1.64	16.63	280.7
Central	DUMV #15		8.9	0.35	<0.01	0.35	14.4	213
Central	DUMV #16		8.7	0.08	<0.01	0.08	12.31	242.5
Central	DUMV #17		8.6	4.5	<0.01	4.5	12.62	243.8
Central	DUMV #18		9.2	0.13	<0.01	0.13	1.01	76.3
Central	DUMV #19		8.9	0.06	<0.01	0.06	16.02	293.8
Central	DUMV #20		8.7	2.2	<0.01	2.2	15.82	256.3
Central	DUMV #21		8.8	3.79	<0.01	3.79	15.55	223.8
Central	DUMV #23		8.6	3.35	<0.01	3.35	13.05	241.3
Central	DUMV #24		8.8	0.2	<0.01	0.2	15.21	230
Central	DUMV #26		8.9	2.75	<0.01	2.75	12.38	211.3
Central	DUQ #1		8.8	1.87	<0.01	1.87	4.08	68.3
Central	DUQ #2		8.6	0.12	<0.01	0.12	0.67	13
Central	8372	DUQ #3	8.2	0.03	<0.01	0.03	0.21	3.5
Central	DUQ #4		7.9	0.02	<0.01	0.02	0.1	3.5
Central	7070	DUQ #5	8.5	4.54	0.01	4.53	9.54	199.2
Central	DUQ #6		8.5	0.02	<0.01	0.02	0.1	2.2
Central	9359	DUQ #7	8.5	1.6	<0.01	1.6	3.24	62.7
Central	DUQ #8		8.7	2.28	<0.01	2.28	4.62	84
Central	7503	DUQ #9	8.2	0.04	<0.01	0.04	0.24	4.8
Central	DUQ #10		8.3	0.07	<0.01	0.07	0.3	6
Central	5885	DUQ #11	8.3	2.2	0.01	2.19	2.16	42.6
Central	6624	DUQ #12	8.2	0.02	<0.01	0.02	0.07	2.5
Central	6633	DUQ #13	8.4	1.14	<0.01	1.14	5.12	102.8
Central	DUQ #14		8.3	0.95	<0.01	0.95	1.05	21.2
Central	DUQ #15		8.3	0.08	<0.01	0.08	0.88	16.7
Central	9634	DUQ #16	8.7	2.35	<0.01	2.35	3.34	61.4
Central	9630	DUQ #17	8.4	0.16	<0.01	0.16	0.52	8.8
Central	9737	DUQ #18	8	6.02	0.03	5.99	4.25	89
Central	9713	DUQ #19	8.4	0.03	<0.01	0.03	0.17	4.3
Central	6197	DUQ #20	8.4	0.14	<0.01	0.14	0.56	10.3

Appendix A-3: Geochemical Data - Historic Samples
Acid-Base Accounting Data, Knight Piesold (2001)

Zone	Lab ID	Paste pH	Total S	Sulphate	TIC (Meas'd)	Sobek NP	Fizz
			(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t	
North	27	8.6	1.5	<0.01	6.65	133.1	Moderate
North	34	8.1	1.18	<0.01	1.21	33.6	Moderate
North	25	8.6	0.27	<0.01	1	27.4	Moderate
North	24	8.7	0.75	<0.01	2.58	58.5	Moderate
North	5	8.5	0.16	<0.01	12.26	260.7	Moderate
North	4	8.6	0.15	<0.01	5.74	169.2	Moderate
North	35	8.7	0.08	<0.01	11.07	196.5	Moderate
North	33	8.3	0.07	<0.01	7.37	179.1	Moderate
North	32	8.9	1.46	<0.01	11.1	227.6	Moderate
North	30	8.9	0.12	<0.01	8.95	223.9	Moderate
North	26	9.3	0.11	<0.01	14.16	272.4	Moderate
North	29	9.4	0.05	<0.01	16.46	335.8	Moderate
North	31	9	0.33	<0.01	8.13	264.9	Moderate
North	28	8.8	5.37	<0.01	20.2	405.5	Moderate
North	23	9.3	0.17	<0.01	16.78	285.7	Moderate

Appendix A-4: Geochemical Data - Historic Samples
Multi-element ICP data, Knight Piesold (2001)

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	Ga	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	ppm	
North	27	17.3	39	2	18	0.3	20	17	945	3.44	27	<1	0.002	<1	18	<0.2	<0.5	<0.5	5	3.25	0.025	1	206	0.89	5	0	9	0.07	0.024	0.03	<1	<0.001	2.5	<1	<1	aqua regia
North	34	11.7	20	2	27	0.7	20	22	199	1.72	27	<1	0.005	<1	4	<0.2	<0.5	<0.5	12	0.94	0.007	<1	153	0.29	2	0.009	2	0.42	0.014	0.02	<1	<0.001	2	<1	1	aqua regia
North	25	9.1	11	3	9	0.9	6	4	184	0.62	5	<1	0.007	<1	4	<0.2	<0.5	<0.5	<1	0.46	0.002	<1	126	0.16	3	0	2	0.03	0.013	0.02	<1	<0.001	1	<1	<1	aqua regia
North	24	15.3	12	<2	5	0.4	23	12	546	1.6	22	<1	0.003	<1	5	<0.2	<0.5	<0.5	8	1.05	0.005	<1	222	0.68	4	0	5	0.33	0.023	0.03	<1	<0.001	2.7	<1	1	aqua regia
North	5	11.4	7	<2	4	10.9	6	4	2706	2.05	4	<1	0.17	<1	10	<0.2	<0.5	<0.5	3	5.5	0.002	3	157	3.25	5	0.001	1	0.32	0.023	0.01	<1	<0.001	1.5	<1	1	aqua regia
North	4	1.7	106	<2	109	<0.1	27	39	1048	9.63	3	<1	0	<1	65	<0.2	<0.5	<0.5	215	4.42	0.057	3	33	2.1	26	0.009	<1	3.74	0.008	0.06	<1	<0.001	12.7	<1	17	aqua regia
North	35	2	25	3	132	<0.1	2	33	2155	9.53	1	<1	0	<1	40	<0.2	0.5	<0.5	54	4.38	0.082	3	17	1.81	7	0.004	4	2.38	0.016	0.04	<1	<0.001	9.8	<1	13	aqua regia
North	33	3	21	<2	97	<0.1	2	26	1664	9.33	1	<1	0	<1	10	<0.2	<0.5	<0.5	51	2.92	0.069	4	32	2.32	6	0.004	2	3.26	0.015	0.06	<1	<0.001	8.9	<1	12	aqua regia
North	32	2.3	29	<2	95	<0.1	1	31	2051	8.65	110	<1	0	<1	57	<0.2	<0.5	<0.5	37	4.75	0.096	2	27	1.67	4	0.002	3	1.37	0.034	0.04	<1	<0.001	13.2	<1	8	aqua regia
North	30	1.8	71	<2	69	<0.1	98	46	1657	6.48	1	<1	0	<1	22	<0.2	<0.5	<0.5	184	7.18	0.019	2	181	3.81	3	0.031	5	4.21	0.017	0.17	<1	<0.001	14.5	<1	11	aqua regia
North	26	1.9	28	<2	76	<0.1	5	27	2626	9.33	4	<1	0	<1	28	<0.2	<0.5	<0.5	4	4.01	0.094	3	26	1.84	12	0.001	2	0.24	0.06	0.05	<1	<0.001	6.5	<1	1	aqua regia
North	29	1.4	85	<2	55	<0.1	130	48	1941	6.39	10	<1	0	<1	16	<0.2	<0.5	<0.5	80	7.96	0.019	1	119	4.15	3	0.001	3	1.55	0.038	0.03	<1	<0.001	12.8	<1	5	aqua regia
North	31	9.6	38	4	16	2.1	39	17	990	2.61	38	<1	0.02	<1	14	<0.2	0.5	<0.5	2	3.84	0.007	1	127	1.54	3	0	5	0.12	0.03	0.02	<1	<0.001	3.8	<1	<1	aqua regia
North	28	2.6	99	2	42	0.7	101	45	3164	10.3	229	<1	0	<1	36	<0.2	<0.5	0.6	7	7.73	0.012	1	30	2.81	4	0	3	0.09	0.023	0.04	<1	<0.001	6	<1	<1	aqua regia
North	23	1.7	84	2	66	<0.1	13	33	2038	8.53	19	<1	0	<1	25	<0.2	<0.5	<0.5	22	5.32	0.069	2	21	2.33	9	0.001	2	0.22	0.058	0.05	<1	<0.001	7.9	<1	1	aqua regia

Appendix A-5: Geochemical Data - Historic Samples
Acid-Base Accounting Data, AMEC (2005)

Zone	Drillhole	Depth From (m)	Depth To (m)	Paste pH	Total S (Wt.%)	Sulphate (Wt.%)	TIC (Meas'd) (Wt.%CO_2)	Modified NP $kgCaCO_3/t$
North	02TDD547	#N/A	#N/A	8.1	0.03	<0.01	0.06	16.5

Appendix A-6: Geochemical Data - Historic Samples
Acid-Base Accounting Data, SRK (2007)

Zone	Lab ID	Other ID	Paste pH	Total S	Sulphate	TIC (Meas'd)	Sobek NP
				(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t
North	HB-214526	214526	9.73	0.02	<0.01	0.1	12.125
North	HB-214527	214527	9.62	<0.02	<0.01	0.06	11.75
North	HB-214528	214528	9.73	<0.02	<0.01	0.02	12
North	HB-214529	214529	9.66	0.02	<0.01	0.05	12.25
North	HB-214530	214530	9.71	0.02	<0.01	0.11	15
North	HB-214531	214531	9.81	0.03	<0.01	0.07	11.375
North	HB-214532	214532	9.5	0.03	<0.01	0.08	13.25
North	HB-214533	214533	9.32	0.03	<0.01	0.09	12
North	HB-214534	214534	9.34	0.04	<0.01	0.08	18.125
North	HB-214535	214535	9.5	0.05	<0.01	0.11	11.75
North	HB-214536	214536	9.37	0.06	<0.01	0.14	10.75
North	HB-214537	214537	9.27	0.05	<0.01	0.12	18.375
North	HB-214538	214538	9.52	0.05	<0.01	0.22	13.25
North	HB-214539	214539	9.55	0.04	<0.01	0.12	15.75
North	HB-214540	214540	9.39	0.03	<0.01	0.1	11.25
North	HB-214541	214541	9.46	0.02	<0.01	0.08	17
North	HB-214542	214542	9.59	0.03	<0.01	0.09	13.75
North	HB-214543	214543	9.45	0.03	<0.01	0.09	12.125
North	HB-214544	214544	9.94	0.02	<0.01	0.06	12.25
North	HB-214545	214545	9.79	0.02	<0.01	0.03	16.75
North	HB-214546	214546	9.84	0.03	<0.01	0.05	12.875
North	HB-214547	214547	9.89	0.02	<0.01	0.02	12.5
North	HB-214548	214548	9.83	0.02	<0.01	0.03	8.25
North	HB-214549	214549	9.95	0.02	<0.01	0.03	16.125
North	HB-214550	214550	9.83	0.02	<0.01	0.04	11
North	HB-214551	214551	9.67	0.02	<0.01	<0.01	13
North	HB-214552	214552	9.75	0.02	<0.01	0.01	10.25
North	HB-214553	214553	10.08	<0.02	<0.01	<0.01	10.75
North	HB-214554	214554	10.05	0.02	<0.01	<0.01	9.875
North	HB-214555	214555	9.69	0.03	<0.01	0.01	13.75
North	HB-214291	214291	8.45	0.05	0.01	0.11	15.25
North	HB-214292	214292	8.49	0.03	0.02	0.2	17
North	HB-214293	214293	8.34	0.05	0.01	0.02	10.875
North	HB-214294	214294	8.54	0.02	0.01	0.15	18
North	HB-214295	214295	8.5	0.04	0.01	0.07	14.5
North	HB-214296	214296	8.69	0.09	0.01	0.12	15.75
North	HB-214297	214297	8.64	0.06	<0.01	0.09	14.75
North	HB-214298	214298	8.41	0.08	0.01	0.03	18.75
North	HB-214299	214299	8.13	0.11	0.01	0.01	14.875
North	HB-214300	214300	8.26	0.06	0.01	0.03	16
North	HB-214501	214501	7.91	0.74	0.01	0.01	17
North	HB-214502	214502	8.1	0.25	<0.01	0.02	15
North	HB-214503	214503	8.21	0.08	<0.01	0.01	19
North	HB-214504	214504	8.24	0.05	0.01	<0.01	17.75
North	HB-214505	214505	8.45	0.02	<0.01	0.01	18
North	HB-214506	214506	8.44	0.1	<0.01	0.08	15.75
North	HB-214507	214507	8.23	0.13	0.01	0.01	13.5
North	HB-214508	214508	8.24	0.27	0.01	<0.01	15.5
North	HB-214509	214509	8.4	0.09	0.01	<0.01	17
North	HB-214510	214510	8.31	0.3	0.01	0.02	18.625
North	HB-214511	214511	8.28	0.65	0.01	0.02	16.625
North	HB-214512	214512	8.49	<0.02	0.01	0.08	18.75
North	HB-214513	214513	7.93	0.21	0.01	0.02	16.25
North	HB-214514	214514	8.35	0.1	0.01	0.15	17.25
North	HB-214515	214515	8.43	0.03	0.01	0.06	15.75
North	HB-214516	214516	8.41	0.02	0.01	0.08	17.5
North	HB-214517	214517	8.78	0.04	0.02	0.16	19.125
North	HB-214518	214518	8.71	0.05	0.01	<0.01	18
North	HB-214519	214519	9.05	0.09	0.01	<0.01	17.375
North	HB-214520	214520	9.21	0.03	0.01	<0.01	19.25
North	HB-214521	214521	9.01	0.07	<0.01	0.12	18.75
North	HB-214522	214522	9.13	0.1	0.01	0.02	19
North	HB-214523	214523	9.14	0.04	0.01	0.03	15.875
North	HB-214524	214524	9.04	0.08	0.01	<0.01	18
North	HB-214525	214525	9.3	0.06	0.02	0.01	15.75

Appendix A-6: Geochemical Data - Historic Samples
Acid-Base Accounting Data, SRK (2007)

Zone	Lab ID	Other ID	Paste pH	Total S	Sulphate	TIC (Meas'd)	Sobek NP
				(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t
North	HB-214262	214262	8.43	0.12	0.06	8.22	250
North	HB-214263	214263	8.59	0.11	0.02	8.26	263.75
North	HB-214264	214264	8.55	0.1	0.06	8.15	277.5
North	HB-214265	214265	8.5	0.2	0.07	9.77	272.5
North	HB-214266	214266	8.62	0.1	0.06	7.84	218.75
North	HB-214267	214267	8.72	0.08	0.06	7.67	237.5
North	HB-214268	214268	8.67	0.08	0.06	10.64	265
North	HB-214269	214269	8.61	0.11	0.04	11.57	265
North	HB-214270	214270	8.76	0.12	0.06	9.98	272.5
North	HB-214271	214271	8.86	0.07	0.05	10.05	246.25
North	HB-214272	214272	8.7	0.09	0.1	10.02	302.5
North	HB-214273	214273	8.71	0.11	0.05	8.05	206.25
North	HB-214274	214274	8.75	0.12	0.04	9.09	263.75
North	HB-214275	214275	8.85	0.09	0.08	9.64	297.5
North	HB-214276	214276	8.91	0.09	0.05	7.36	255
North	HB-214277	214277	8.97	0.23	0.04	5.47	265
North	HB-214278	214278	8.9	<0.02	0.01	6.67	270
North	HB-214279	214279	9.22	<0.02	<0.01	5.74	260
North	HB-214280	214280	8.93	0.11	0.01	4.29	256.25
North	HB-214281	214281	9.1	2.35	0.02	2.83	174.375
North	HB-214282	214282	9.02	0.15	<0.01	1.93	147.5
North	HB-214283	214283	9.25	0.04	0.01	1.21	120
North	HB-214284	214284	8.86	0.81	0.01	0.53	109.375
North	HB-214285	214285	8.91	0.24	0.01	0.43	39.75
North	HB-214286	214286	9.29	<0.02	0.01	0.5	27
North	HB-214287	214287	8.17	3.52	0.03	0.11	20.5
North	HB-214288	214288	8.92	0.07	0.01	0.16	18
North	HB-214289	214289	8.89	0.3	0.01	0.12	18.5
North	HB-214556	214556	9	0.14	0.08	3.16	124.375
North	HB-214557	214557	8.94	0.13	0.06	3.15	150.625
North	HB-214558	214558	8.95	0.09	0.06	2.67	120
North	HB-214559	214559	8.86	0.1	0.07	2.26	168.75
North	HB-214560	214560	8.93	0.15	0.07	2.38	123.75
North	HB-214561	214561	8.89	0.1	0.06	2.32	110
North	HB-214562	214562	8.81	0.11	0.08	3.1	117.5
North	HB-214563	214563	8.83	0.06	0.06	3.16	122.5
North	HB-214564	214564	8.31	6.82	0.08	3.54	131.25
North	HB-214565	214565	8.9	0.09	0.05	2.84	106.875
North	HB-214566	214566	8.91	0.07	0.07	2.44	109.375
North	HB-214567	214567	8.94	0.11	0.05	1.95	113.125
North	HB-214568	214568	9.02	0.11	0.05	2.06	96.25
North	HB-214569	214569	9.03	0.09	0.03	1.15	71.25
North	HB-214570	214570	8.8	0.11	0.05	0.8	68.125
North	HB-214571	214571	8.86	0.12	0.06	1.28	93.75
North	HB-214572	214572	8.86	0.08	0.07	2.22	113.75
North	HB-214573	214573	8.51	0.14	0.06	3.68	102.5
North	HB-214574	214574	8.56	0.13	0.02	4.58	123.75
North	HB-214575	214575	8.57	0.11	0.07	5.23	140.625
North	HB-214576	214576	8.75	0.07	0.05	3.61	120.625
North	HB-214577	214577	8.79	0.1	0.07	3.9	107.5
North	HB-214578	214578	8.58	0.09	0.08	6.45	171.25
North	HB-214579	214579	8.38	0.06	0.06	7.38	188.75
North	HB-214580	214580	8.46	0.11	0.07	4.83	156.875
North	HB-214581	214581	8.3	0.09	0.05	3.81	134.375
North	HB-214582	214582	8.32	0.1	0.05	3.7	162.5
North	HB-214583	214583	8.33	0.08	0.05	4.67	143.75
North	HB-214584	214584	8.52	0.07	0.05	5.35	138.125
North	HB-214585	214585	8.74	0.14	0.06	4.74	110
North	HB-214586	214586	8.64	0.1	0.04	1.16	48.125
North	HB-214587	214587	8.58	0.15	0.02	0.55	24.375

Appendix A-7: Geochemical Data - Historic Samples
Multi-element ICP data, SRK (2007)

Zone	Lab ID	Other ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	Ga	Se
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	ppm	ppm
North	HB-214526	214526	4.1	391.1	1.9	91	0.1	16.7	21.6	439	5.31	0.5	0.1	15.9	0.4	49	0.1	0.1	0.1	429	1.4	0.057	3	56	0.45	24	0.378	6	2.02	0.412	0.17	0.1	0.01	0.001	2.4	0.1	10	0.5
North	HB-214527	214527	2.4	286.9	1.6	87	0.1	20.2	24.8	414	5.72	0.5	0.1	7.2	0.4	40	0.1	0.1	0.1	591	1.13	0.049	3	36	0.43	22	0.425	6	1.68	0.332	0.15	0.1	0.01	0.001	2.3	0.1	10	0.5
North	HB-214528	214528	2	257.7	2.7	74	0.1	23.8	23.4	385	5.37	0.5	0.1	5	0.3	38	0.1	0.3	0.1	592	1.1	0.041	3	30	0.49	17	0.39	8	1.68	0.328	0.13	0.1	0.01	0.001	2.3	0.1	9	0.5
North	HB-214529	214529	2.1	256.9	5.4	97	0.1	33.8	31	530	7.16	0.5	0.1	3.5	0.3	44	0.1	0.7	0.1	769	1.16	0.043	3	40	0.56	21	0.576	8	1.77	0.342	0.14	0.1	0.01	0.001	3	0.1	11	0.5
North	HB-214530	214530	1.9	254.7	1.6	86	0.1	23.4	25.3	457	5.6	0.5	0.1	7	0.4	41	0.1	0.1	0.1	522	1.14	0.058	3	34	0.63	22	0.387	26	1.71	0.329	0.17	0.1	0.01	0.001	2.7	0.1	9	0.5
North	HB-214531	214531	1.9	276.5	8.1	85	0.1	33.7	28.2	411	7.01	1.3	0.1	4.3	0.4	31	0.1	0.1	0.1	710	1	0.066	4	31	0.89	12	0.313	5	1.57	0.271	0.14	0.1	0.01	0.001	3.7	0.1	11	0.5
North	HB-214532	214532	2.4	372.2	1.9	93	0.1	25.4	32.6	457	8.03	0.5	0.1	5.7	0.5	29	0.2	0.1	0.1	754	0.97	0.079	5	31	0.58	32	0.378	9	1.4	0.243	0.24	0.1	0.01	0.001	3.3	0.1	12	0.5
North	HB-214533	214533	2.1	414.9	2.4	113	0.1	21.9	33	504	8.18	0.5	0.1	10.2	0.5	24	0.1	0.1	0.1	760	0.88	0.088	5	26	0.55	34	0.431	6	1.25	0.212	0.24	0.1	0.01	0.001	3.3	0.1	12	0.5
North	HB-214534	214534	1.7	498.2	5.8	91	0.1	12.2	24.4	470	6.04	0.6	0.1	18.4	0.6	19	0.1	0.1	0.2	406	0.86	0.111	6	19	0.58	41	0.209	9	1.06	0.151	0.29	0.1	0.01	0.001	3.2	0.1	10	0.5
North	HB-214535	214535	1.8	820.1	7.5	170	0.4	9.9	26.4	718	7.19	0.5	0.1	19.2	0.7	21	0.2	0.2	0.1	355	0.87	0.127	7	24	0.47	56	0.256	15	1.02	0.165	0.35	0.1	0.01	0.001	3.5	0.1	11	0.6
North	HB-214536	214536	2.1	726.7	11.4	180	0.2	7	23.6	721	6.35	1.5	0.1	9	0.9	25	0.4	0.3	0.1	192	1	0.161	9	24	0.53	74	0.19	12	1.04	0.16	0.43	0.1	0.01	0.001	3.6	0.1	11	0.6
North	HB-214537	214537	2.4	744.4	2	80	0.1	7.2	22.7	535	5.85	0.7	0.1	16.1	0.8	21	0.1	0.1	0.1	193	0.99	0.146	8	29	0.58	60	0.175	10	1.05	0.182	0.39	0.1	0.01	0.001	3.8	0.1	10	0.6
North	HB-214538	214538	2.7	671.6	13.1	107	0.1	7.8	28.2	571	6.65	5.2	0.2	15.9	0.9	18	0.2	0.1	0.1	202	1.05	0.159	9	32	0.76	54	0.179	39	1.25	0.161	0.4	0.1	0.01	0.001	3.8	0.1	13	0.6
North	HB-214539	214539	2.1	625.4	2.3	123	0.2	10.9	27.6	567	7.16	0.5	0.1	15.9	0.6	21	0.1	0.1	0.1	438	0.89	0.118	6	26	0.57	46	0.283	8	1.02	0.174	0.33	0.1	0.01	0.001	3.5	0.1	11	0.5
North	HB-214540	214540	1.8	491	4.3	156	0.2	18.6	29.1	569	7.87	0.5	0.1	9.6	0.5	24	0.2	0.1	0.1	733	0.79	0.081	5	24	0.41	37	0.426	8	0.97	0.168	0.22	0.1	0.01	0.001	2.9	0.1	11	0.5
North	HB-214541	214541	1.8	505	6.6	139	0.2	22.4	31.3	547	7.73	0.5	0.1	16	0.5	26	0.3	0.1	0.1	688	0.87	0.082	5	22	0.52	37	0.454	7	1.15	0.19	0.23	0.1	0.01	0.001	3.2	0.1	11	0.5
North	HB-214542	214542	1.5	441.3	3.7	143	0.1	29.8	36	568	9.13	0.5	0.1	14.7	0.4	24	0.2	0.1	0.1	940	0.78	0.071	4	21	0.46	36	0.571	6	1.05	0.168	0.2	0.1	0.01	0.001	2.8	0.1	12	0.5
North	HB-214543	214543	1.8	372	4.3	125	0.1	40.8	38.5	517	9.82	0.5	0.1	7.2	0.4	29	0.1	0.2	0.1	1064	0.95	0.063	4	33	0.55	27	0.492	8	1.34	0.232	0.2	0.1	0.01	0.001	3.2	0.1	14	0.5
North	HB-214544	214544	1.4	379.1	2.1	103	0.1	37.7	33.3	458	7.85	0.5	0.1	8.8	0.4	26	0.1	0.2	0.1	853	0.8	0.071	4	34	0.49	26	0.47	4	1.23	0.208	0.19	0.1	0.01	0.001	2.6	0.1	12	0.5
North	HB-214545	214545	1.6	273.1	3.6	67	0.1	28.5	25.6	387	6.1	0.5	0.1	8.5	0.4	33	0.1	0.3	0.1	553	1.05	0.067	4	27	0.76	15	0.266	25	1.58	0.287	0.16	0.1	0.01	0.001	3.1	0.1	10	0.5
North	HB-214546	214546	1.6	304.2	2.2	104	0.1	26	24.9	403	5.71	0.5	0.1	4.7	0.4	31	0.1	0.1	0.1	529	1.04	0.072	4	27	0.73	19	0.272	7	1.54	0.266	0.16	0.1	0.01	0.001	2.9	0.1	10	0.5
North	HB-214547	214547	1.9	407.6	2.2	95	0.1	20.4	25	477	6.04	0.5	0.1	4.4	0.5	30	0.1	0.1	0.1	471	0.99	0.079	5	27	0.54	28	0.348	5	1.38	0.249	0.23	0.1	0.01	0.001	2.9	0.1	10	0.5
North	HB-214548	214548	2.4	371.1	2.4	89	0.1	23.2	24.6	468	5.63	0.5	0.1	4.9	0.4	35	0.1	0.1	0.1	494	1.18	0.071	4	36	0.56	29	0.384	4	1.59	0.319	0.19	0.1	0.01	0.001	3	0.1	10	0.5
North	HB-214549	214549	1.9	344.7	1.4	92	0.1	23.7	24.7	474	5.71	0.5	0.1	6.2	0.4	32	0.1	0.1	0.1	531	1.03	0.065	4	29	0.48	22	0.456	2	1.46	0.288	0.16	0.1	0.01	0.001	2.5	0.1	10	0.5
North	HB-214550	214550	2	399.8	1.4	86	0.1	17.7	23.2	458	5.33	0.5	0.1	8	0.4	30	0.1	0.1	0.1	418	0.99	0.067	4	29	0.43	18	0.366	3	1.4	0.261	0.16	0.1	0.01	0.001	2.4	0.1	9	0.5
North	HB-214551	214551	2.4	399.3	1.6	80	0.1	17.1	22.5	455	5.34	0.5	0.1	7.9	0.5	34	0.1	0.1	0.1	386	1.1	0.075	5	37	0.39	9	0.431	2	1.53	0.31	0.12	0.1	0.01	0.001	2.5	0.1	9	0.5
North	HB-214552	214552	2.1	296.4	3.6	63	0.1	16.6	18.1	352	4.1	0.5	0.1	6.6	0.4	39	0.1	0.4	0.1	318	1.24	0.051	3	33	0.42	13	0.32	3	1.79	0.358	0.12	0.1	0.01	0.001	2.3	0.1	8	0.5
North	HB-214553	214553	2.4	265.2	1.9	64	0.1	18.5	18	345	4.07	0.5	0.1	6.2	0.4	45	0.1	0.2	0.1	319	1.36	0.053	3	39	0.46	15	0.333	3	2.02	0.433	0.13	0.1	0.01	0.001	2.4	0.1	9	0.5
North	HB-214554	214554	7.6	251.8	1.5	57	0.1	18.4	15.2	302	3.58	0.5	0.1	5.7	0.3	35	0.1	0.1	0.1	267	1.09	0.051	3	116	0.42	16	0.242	4	1.55	0.318	0.13	0.1	0.01	0.001	1.9	0.1	7	0.5
North	HB-214555	214555	2.2	367.6	2.8	75	0.1	16.7	18.8	353	4.28	0.7	0.1	8.2	0.5	38	0.1	0.1	0.1	263	1.29	0.091	5	33	0.55	47	0.222	4	1.67	0.344	0.25	0.1	0.01	0.001	2.8	0.1	9	0.5
North	HB-214291	214291	0.9	214.5	3.4	143	0.1	18.9	23	1583	6.63	1	0.1	0.6	0.3	5	<0.1	0.1	0.1	155	0.44	0.057	5	17	1.88	5	0.096	14	2.14	0.083	0.02	0.1	0.01	<0.001	4.9	<0.1	12	0.5
North	HB-214292	214292	0.4	151.8	2.7	122	<0.1	17.7	22.8	1694	7.04	0.6	<0.1	<0.5	0.2	5	<0.1	<0.1	<0.1	157	0.51	0.052	2	9	1.99	3	0.087	10	2.33	0.071	0.02	<0.1	<0.01	<0.001	4.9	<0.1	12	<0.5
North	HB-214293	214293	1	193.5	1.6	79	<0.1	22.7	27.6	1057	7.27	2.4	0.1	3.4	0.3	5	<0.1	0.1	0.1	184	0.35	0.06	3	15	2.18	9	0.117	11	2.25	0.075	0.04	<0.1	<0.01	<0.001	5.6	<0.1	13	0.5
North	HB-214294	214294	0.5	156.4	1.3	87	<0.1	17.7	21.5	1173	6.67	1.3	<0.1	24.4	0.2	5	<0.1	0.1	0.1	153	0.46	0.058	3	12	1.89	3	0.096	10	2.1	0.081	0.02	0.1	<0.01	<0.001	4.9	<0.1	11	0.6
North	HB-214295	214295	0.6	280.3	1.1	74	<0.1	17.4	25.2	1009	6.47	1.7	0.1	23.4	0.2	7	<0.1	0.1	0.1	139	0.45	0.053	6	11	1.95	5	0.116	10	2.04	0.084	0.03	0.1	<0.01	<0.001	3.7	<0.1	10	<0.5
North	HB-214296	214296	0.5	445.3	0.7	68	<0.1	20.5	31.5	951	6.65	3.9	<0.1	21.7	0.3	7	<0.1	0.1	0.1	164	0.54	0.053	4	12	1.94	7	0.139	11	2.08	0.091	0.04	<0.1	<0.01	<0.001	4.1	<0.1	11	0.8
North	HB-214297	214297	1.2	220.7	1.1	60	<0.1	18.3	26	771	6.19	2.2	0.1	4.7	0.2	9	<0.1	0.1	0.1	173	0.56	0.052	7	22	1.75	7	0.172	11	1.82	0.096	0.05	<0.1	<0.01	<0.001	4.5	<0.1	10	<0.5
North	HB-214298	214298	0.7	477.8	1.4	77	<0.1	23.5	31.6	1033	6.77	2.6	0.1	4	0.2	7	<0.1	0.1	0.1	174	0.43	0.053	6	16	2.11	5	0.126	13	2.08	0.094	0.02	<0.1	<0.01	<0.001	4	<0.1	12	0.6
North	HB-214299	214299	0.7	614.7	3.2	97	<0.1	24.3	30.3	1491	7.11	1.9	<0.1	6	0.3	6	<0.1	0.2	0.1	180	0.44	0.052	2	15	2.2	4	0.133	11	2.33	0.104	0.02	0.1	<0.01	<0.001	4.7	<0.1	13	0.9
North	HB-214300	214300	0.7	756	1.3	111	<0.1	21.9	28.9	1618	7.65	<0.5	0.1	3.8	0.3	5	0.1	0.1	<0.1	177	0.34	0.057	2	17	2.44	4	0.101	12	2.51	0.095	0.02	<0.1	<0.01	<0.001	3.8	<0.1	15	0.8
North	HB-214501	214501	0.7	5038.1	5.3	134	0.4	51.2	54.4	1623	9.22	5.3	0.1	70.2	0.2	6	<0.1	0.1	0.4	194	0.41	0.062	2	16	2.81	4	0.107	13	2.77	0.105	0.02	<0.1	<0.01	<0.001	4.3	<0.1	15	3
North	HB-214502	214502	0.7	1657	4.2	111	0.3	32.7	38.5	1418	7.35	1.2	0.1	13.2	0.3	6	<0.1	0.1	0.1	188	0.43	0.06	3	17	2.49	5	0.109	12	2.4	0.111	0.02	<0.1	0.01	<0.001	4.4	<0.1	12	1.5
North	HB-214503	214503	0.6	562.9	2	131	0.2	30.2	36.8	1826	7.99	0.5	<0.1	6.7	0.3	5	<0.1	<0.1	0.1	208	0.39	0.056	2	18	2.79	5	0.122	13	2.62	0.095	0.02	<0.1	<0.01	<0.001	3.7	<0.1	14	0.9
North	HB-214504	214504	0.4	263	1.6	143	<0.1	29.6	37.3	1991	8.55	<0.5	<0.1	1.3	0.3	5	<0.1	0.1	<0.1	201	0.35	0.055	1	14	2.88	4	0.108	16	2.76	0.087	0.02	<0.1	<0.01	<0.001	3.9	<0.1	15	<0.5
North	HB-214505	214505	0.5	153.2	1.9	105	<0.1	24	30.8	1605	11.41	1	0.1	0.8	0.2	7	<0.1	0.2	<0.1	189	0.31	0.048	2	13	2.6	8	0.107	31	2.61	0.083	0.03	0.1	<0.01	<0.001	3.5	<0.1	14	<0.5
North	HB-214506	214506	0.7	979.6	1.8	95	0.2	24.9	33.2	1418	7.59	0.6	0.1	1125.2	0.2	6	<0.1	0.1	0.1	181	0.38	0.059	2	17	2.4	3	0.113	18	2.39	0.087	0.02	<0.1	<0.01	<0.001	4.2	<0.1	13	0.6
North	HB-214507	214507	0.7	900.8	2.7	84	0.3	30.6	32.8	1418	6.98	0.7	0.1	14.5	0.3	4	<0.1	0.1	0.1	203	0.38	0.058	2	21	1.92	3	0.127	10	2.13	0.089	0.02	<0.1	<0.01	<0.001	4.9	<0.1	12	0.5
North	HB-214508	214508	1.3	2430.3	2.7	105	0.5	34.6	45.7	1365	7.01	1	0.1	18.3	0.2	5	<0.1	0.1	0.1	173	0.4	0.058	4	26	2.11	3	0.116	9	2.13	0.099	0.01	<0.1	0.01	<0.001	4.2	<0.1	12	1.6
North	HB-214509	214509	0.4	904.2	1.2	126	0.2	30.7	44.3	1532	8.97	0.6	0.1	6.2	0.2	6	<0.1	<0.1	<0.1	182	0.44	0.061	4	15	3.17	5	0.089	15	2.96	0.12	0.03	<0.1	<0.01	<0.001	4.8	<0.1	16	<0.5
North	HB-214510	214510	0.6	2489.4	2.8	113	0.4	35.6	47	1452	8.57	1.7	<0.1	4.9	0.2	5	<0.1	0.1	0.1	190	0.43	0.074	3	18	2.74	4	0.077	14	2.74	0.107	0.02	<0.1	<0.01	<0.001	5.4	<0.1	14	0.7
North	HB-214511	214511	1.3	4676.2	4.6	99	1.4	52.5	50.3	1096	6.91	4.2	0.1	61	0.2	5	<0.1	0.1	0.2	112	0.38	0.059	2	20	1.87	5	0.085	16	1.82	0.094	0.02	<0.1	0.01	<0.001	3.5	<0.1	10	3
North	HB-214512	214512	0.7	84.8	0.7	133	<0.1	30.4	32.8	1808	8.45	<0.5	0.1	1.7	0.3	6	<0.1	<0.1	<0.1	192	0.47	0.057	2	20	2.89	5	0.093	16	2.92	0.108	0.02	<0.1	<0.01	<0.001	5.5	<0.1	15	<0.5
North	HB-214513	214513	0.3	1643.2	3.1	142	0.3	38.3	47.5	1879	8.18	2	0.1	7.7	0.3	6	<0.1	0.1	0.2	174	0.48	0.064	4	14	2.76	5	0.09	16	2.77	0.112	0.02	0.1	<0.01	<0.001	5.3	<0.1	14	1.3
North	HB-214514	214514	0.3	364.1	1.9	123	0.2	30	39	1822	7.29	1.2	<0.1	1.1	0.2	6	<0.1	0.1	0.1	161	0.52	0.047	2	15	2.32	5	0.087	12	2.47	0.097	0.02	0.1	<0.01	<0.001	5.2	<0.1	12	<0.5
North	HB-214515	214515	0.3	22.9	1.8	124	<0.1	30.7	28.9	1803	6.77	0.9	<0.1	<0.5	0.2	5	<0.1	<0.1	<0.1	155	0.43	0.053	2	15	2.44	4	0.08	14	2.51	0.094	0.02	<0.1	<0.01	<0.001	4.5	<0.1	11	<0.5
North	HB-214516	214516	1.8	231.2	1	109	<0.1	32.9	31.3	1581	7.81	0.6	0.1	0.7	0.2	6	<0.1	<0.1	<0.1	164	0.48	0.049	2	36	2.64	6	0.08	15	2.65	0.102	0.03	<0.1	<0.01	<0.001	5.3	<0.1	13	<0.5
North	HB-214517	214517	0.4	296.5	1.1	70	<0.1	34.3	33.5	1099	6.55	1	<0.1	4.3	0.2	9	<0.1	<0.1	0.1	160	0.55	0.052	3	19	2.45	52	0.091	12	2.48	0.098	0.26	<0.1	<0.01	<0.001	4.5	0.1	11	<0.5
North	HB-214518	214518	0.4	267.4	1.1	52	<0.1	37.1	28.6	808	6.37	1.2	<0.1	4	0.2	13	<0.1	<0.1	0.1	154	0.43	0.049	3	21	2.32	28	0.106	9	2.29	0.093	0.2	<0.1	<0.01	<0.001	3.5	<0.1	10	<0.5
North	HB-214519	214519	0.5	98.8	2	33	<0.1	36.3	32.3	518	5.87	1.2	<0.1	1.5	0.2	23	<0.1	0.1	0.1	161	0.53	0.05	2	22	1.86	39	0.101	10	2.1	0.117	0.34	<0.1	<0.01	<0.001	2.9	<0.1	8	0.5
North	HB-214520	214520	0.4	219.2	1	43	<0.1	33.4	30.5	601	6.37	<0.5	<0.1	2.4	0.2	23	<0.1	<0.1	<0.1	176	0.52	0.05	2	24	2.14	39	0.088	10	2.36	0.128	0.34	<0.1	<0.01	<0.001	3.1	<0.1	9	<0.5
North	HB-214521	214521	0.7	94.8	1.8	34	<0.1	31.2	27.4	495	6.35	<0.5	0.1	2	0.3	25	<0.1	0.1	0.1	169	0.92	0.045	3	26	1.63	19	0.213	15	1.58	0.093	0.08	<0.1	<0.01	<0.001	2.9	<0.1	8	0.6
North	HB-214522	214522	0.5	44.5	2.8	42	0.1	39.6	33.1	544	6.32	1.2	<0.1	<0.5	0.3	28	0.1	0.2	0.1	174	0.74	0.056	3	25	2.08	32	0.164	11	2.22	0.131	0.28	<0.1	<0.01	<0.001	2.8	0.1	9	0.5
North	HB-214523	214523	0.4	48.9	2.1	50	<0.1	42	35.5	613	6.59	0.6	<0.1	<0.5	0.3	21	<0.1	0.2	<0.1	184	0.66	0.053	2	24	2.23	24	0.159	9	2.39	0.117	0.22	<0.1	<0.01	<0.001	2.5	0.1	11	<0.5
North	HB-214524	214524	0.4	53.1	6.3	52	<0.1	39.6	34.7	604	6.47	0.7	<0.1	<0.5	0.3	23	<0.1	0.1	0.1	167	0.78	0.049	2	25	1.83	8	0.151	10	2.22	0.139	0.05	<0.1	<0.01	<0.001	2.3	<0.1	10	0.6
North	HB-214525	214525	1	51.9	14.3	77	0.1	40.1	37.6	540	6.47	<0.5	<0.1	<0.5	0.3	43	0.1	0.1	<0.1	160	1.05	0.05	3	30	1.78	14	0.134	10	2.63	0.188	0.09	<0.1	<0.01	<0.001	2.4	<0.1	10	0.5
North	HB-214262	214262	2.3	50.1	2.2	149	0.1	3.5	39.6	1985	12.16	1.9	0.1	0.8	0.3	77	0.1	0.1	0.1	57	8.22	0.103	3	26	1.51	23	0.018	3	4.25	0.007	0.13	0.1	0.01	0.001	12.4	0.1	16	0.5
North	HB-214263	214263	1.7	37.3	1.1	124	0.1	2.3	31.3	2082	10.98	1	0.1	0.7	0.3	72	0.1	0.1	0.1	55	8.31	0.091	3	23	1.38	17	0.013	3	3.71	0.01	0.11	0.1	0.01	0.001	12.3	0.1	14	0.5
North	HB-214264	214264	1	35.8	2.1	141	0.1	2.8	33.5	2049	11.34	1.2	0.1	0.9	0.3	67	0.1	0.1	0.1	65	7.95	0.1	3	13	1.41	14	0.014	3	3.83	0.011	0.1	0.1	0.01	0.001	15.8	0.1	16	0.5
North	HB-214265	214265	1.3	47.3	1.4	131	0.1	2.6	31.9	2348	10.91	1.1	0.1	0.5	0.3	83	0.1	0.1	0.1	59	9.34	0.09	3	16	1.38	13	0.014	3	3.61	0.011	0.09	0.1	0.01	0.001	14.4	0.1	15	0.5
North	HB-214266	214266	0.9	44.4	0.9	136	0.1	2.9	37.3	2134	11.44	2.3	0.1	1.3	0.3	59	0.1	0.1	0.1	54	6.96	0.106	4	13	1.44	17	0.014	4	3.55	0.012	0.12	0.1	0.01	0.001	13.8	0.1	15	0.5
North	HB-214267	214267	0.6	33.6	0.5	133	0.1	3.2	34.9	2082	11.66	2.5	0.1	0.5	0.4	37	0.1	0.1	0.1	58	5.43	0.11	4	11	1.53	9	0.015	3	3.27	0.015	0.08	0.1	0.01	0.001	14.9	0.1	15	0.5
North	HB-214268	214268	1.7	36.4	1.1	93	0.1	3.4	31	2564	10.57	5	0.1	1.4	0.3	53	0.1	0.1	0.1	33	7.05	0.106	3	20	1.48	13	0.013	5	2.04	0.016	0.14	0.1	0.01	0.001	10.6	0.1	9	0.5
North	HB-214269	214269	1.4	35.1	1.7	70	0.1	2.7	28.8	2278	8.11	7.7	0.1	0.5	0.2	60	0.1	0.1	0.1	25	8.29	0.091	3	18	1.14	17	0.011	7	1.71	0.012	0.15	0.1	0.01	0.001	7.8	0.1	6	0.5
North	HB-214270	214270	0.9	38.4	1.5	116	0.1	2.5	32.8	2324	11.1	4.4	0.1	0.5	0.3	59	0.1	0.1	0.1	42	7.7	0.098	3	10	1.38	17	0.011	4	2.67	0.011	0.14	0.1	0.01	0.001	11.1	0.1	11	0.5
North	HB-214271	214271	1.1	51.3	1.1	150	0.1	2.6	34.5	2236	11.16	4.9	0.1	0.5	0.3	67	0.2	0.1	0.1	46	8.34	0.1	3	15	1.4	18	0.012	3	2.99	0.012	0.14	0.1	0.01	0.001	11.3	0.1	13	0.5
North	HB-214272	214272	1	42.3	1.1	149	0.1	3	36.9	2237	11.26	5.3	0.1	0.5	0.3	67	0.1	0.1	0.1	43	8.51	0.101	3	10	1.42	21	0.012	4	3.26	0.011	0.16	0.1	0.01	0.001	10.9	0.1	13	0.5
North	HB-214273	214273	0.9	45.2	3.8	157	0.1	2.7	37.7	1934	10.45	6.3	0.1	0.7	0.3	53	0.2	0.5	0.1	45	7.34	0.109	3	10	1.35	22	0.02	3	3.27	0.013	0.16	0.1	0.01	0.001	11.1	0.1	13	0.5
North	HB-214274	214274	0.8	31.1	0.9	113	0.1	3.9	33.6	2089	9.17	3.6	0.1	0.5	0.3	57	0.1	0.1	0.1	52	8.78	0.099	3	12	1.18	12	0.026	3	2.88	0.02	0.09	0.1	0.01	0.001	13.3	0.1	13	0.5
North	HB-214275	214275	2.5	35.8	1.2	124	0.1	2.1	31.2	1980	10.47	4.1	0.1	0.7	0.3	61	0.1	0.1	0.1	52	8.16	0.094	3	10	1.22	14	0.027	2	3.57	0.01	0.1	0.1	0.01	0.001	12.3	0.1	13	0.5
North	HB-214276	214276	1.7	34.3	1.6	136	0.1	2.5	30.4	1828	10.77	10.7	0.1	1.6	0.5	38	0.1	0.1	0.1	57	7.69	0.099	5	19	1.44	59	0.066	5	3.65	0.021	0.47	0.1	0.01	0.001	14.2	0.1	15	0.5
North	HB-214277	214277	2.7	55.6	14.3	81	0.3	3.5	37.6	2046	10.97	23.9	0.1	1.6	0.6	23	0.1	0.1	0.1	77	6.27	0.1	7	30	2.15	101	0.221	15	3.25	0.09	0.97	0.1	0.01	0.001	12.6	0.2	18	0.5
North	HB-214278	214278	1.5	39.8	0.6	40	0.1	1.8	29.2	2051	10.38	16.2	0.1	0.5	0.6	21	0.1	0.1	0.1	76	7.7	0.102	7	18	2.12	83	0.196	11	3.14	0.088	0.63	0.1	0.01	0.001	10.4	0.1	17	0.5
North	HB-214279	214279	1.3	21.7	2.1	42	0.1	2.1	31.3	1994	11.06	16.4	0.1	0.6	0.7	21	0.1	0.1	0.1	76	7.15	0.102	7	17	2.47	71	0.216	13	3.21	0.119	0.5	0.1	0.01	0.001	10.7	0.1	18	0.5
North	HB-214280	214280	1.6	18.8	6.2	43	0.1	2.9	38.9	1699	11.02	24.7	0.1	1.7	0.7	21	0.1	0.1	0.3	83	6.09	0.114	6	14	2.56	87	0.238	13	3.03	0.189	0.65	0.1	0.01	0.001	11.6	0.3	19	0.5
North	HB-214281	214281	3.5	130.6	62.8	162	0.6	3.2	65	1200	11.73	71.1	0.1	65.7	0.7	21	0.3	1.2	1.3	83	3.45	0.123	6	42	2.14	47	0.189	11	2.75	0.171	0.42	0.1	0.01	0.001	12.7	0.2	17	0.5
North	HB-214282	214282	2.1	247.7	47.5	218	0.1	3.3	36.4	809	8.87	4.2	0.1	5.3	0.7	18	0.4	0.1	0.1	90	2.34	0.118	8	27	2.61	17	0.317	8	2.98	0.101	0.13	0.1	0.01	0.001	12.1	0.1	19	0.5
North	HB-214283	214283	1.8	54.2	4.3	34	0.1	2.3	18	814	7.59	2.1	0.1	1.8	0.7	14	0.1	0.1	0.1	71	1.9	0.119	6	22	1.97	14	0.274	8	2.22	0.136	0.1	0.1	0.01	0.001	7.5	0.1	16	0.5
North	HB-214284	214284	2.2	149.1	283.8	1242	0.7	3.1	60	680	6.97	5.1	0.1	4.4	0.6	10	2.2	0.3	0.5	75	1.18	0.108	6	30	1.66	24	0.262	6	1.94	0.13	0.16	0.1	0.01	0.001	7.4	0.1	15	0.9
North	HB-214285	214285	2.1	54.5	112.8	339	0.7	3.3	29.6	654	5.53	1.1	0.1	1.9	0.6	10	1.1	0.3	0.1	57	1.26	0.11	6	28	1.3	8	0.289	5	1.54	0.141	0.04	0.1	0.01	0.001	6.7	0.1	13	0.5

Appendix A-7: Geochemical Data - Historic Samples
Multi-element ICP data, SRK (2007)

Zone	Lab ID	Other ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	Ga	Se
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	ppm	ppm
North	HB-214286	214286	1.1	14	39.5	289	0.1	2.2	14.4	490	4.08	0.5	0.1	0.5	0.5	9	0.7	0.1	0.1	42	1.26	0.102	5	15	1	5	0.221	3	1.14	0.12	0.02	0.1	0.01	0.001	5.1	0.1	10	0.5
North	HB-214287	214287	2.2	449.6	52.6	32	1	4.9	121.7	642	8.78	24.9	0.1	176.6	0.7	8	0.1	0.9	1.4	68	0.8	0.105	5	28	1.29	13	0.281	7	1.54	0.134	0.08	0.1	0.01	0.001	6.5	0.5	14	2.2
North	HB-214288	214288	1.2	20.1	4.7	19	0.1	2.1	16.4	637	5.38	0.6	0.1	6.1	0.6	8	0.1	0.1	0.1	60	0.94	0.108	6	18	1.29	5	0.269	4	1.52	0.13	0.02	0.1	0.01	0.001	5.2	0.1	14	0.5
North	HB-214289	214289	1.6	20.4	80.9	425	0.3	3.1	28.9	639	5.42	1.6	0.1	2.1	0.6	7	1.1	0.1	0.2	65	0.88	0.111	5	21	1.29	12	0.296	6	1.55	0.125	0.08	0.1	0.01	0.001	5.7	0.2	15	0.5
North	HB-214556	214556	0.7	31.8	1	124	<0.1	1.1	28.7	1565	8.46	0.7	<0.1	<0.5	0.4	43	0.1	0.1	<0.1	73	2.52	0.094	5	6	1.47	1	0.022	<1	2.37	0.014	<0.01	0.1	<0.01	<0.001	22.4	<0.1	14	0.6
North	HB-214557	214557	0.9	31.5	1.4	134	<0.1	0.8	32.3	1700	9.69	0.9	<0.1	<0.5	0.4	36	0.1	0.1	0.1	82	2.63	0.092	5	7	1.6	2	0.03	1	2.57	0.018	0.01	0.1	<0.01	<0.001	21	<0.1	15	0.5
North	HB-214558	214558	0.6	29.2	0.8	132	<0.1	0.8	30.4	1682	9.14	0.8	0.1	<0.5	0.5	37	0.2	0.1	<0.1	78	2.28	0.089	4	6	1.5	1	0.094	1	2.39	0.016	0.01	<0.1	<0.01	<0.001	19.1	<0.1	15	<0.5
North	HB-214559	214559	1.2	30.6	0.8	139	<0.1	1	31.7	1663	8.93	0.9	0.1	<0.5	0.5	34	0.2	0.1	<0.1	75	2.04	0.098	5	10	1.51	1	0.172	<1	2.36	0.016	<0.01	<0.1	<0.01	<0.001	17.4	<0.1	14	<0.5
North	HB-214560	214560	1	36.5	0.8	134	<0.1	0.9	31.4	1728	9.08	0.9	0.1	<0.5	0.6	35	0.1	0.1	<0.1	78	2.17	0.096	5	7	1.57	2	0.198	1	2.5	0.016	<0.01	<0.1	<0.01	<0.001	17.1	<0.1	14	0.8
North	HB-214561	214561	0.7	36.5	0.6	144	<0.1	0.7	31	1657	9.17	0.8	0.1	<0.5	0.5	33	<0.1	0.1	<0.1	79	2.1	0.095	5	6	1.64	2	0.168	2	2.64	0.016	<0.01	<0.1	<0.01	<0.001	19.5	<0.1	14	<0.5
North	HB-214562	214562	0.7	38.3	0.8	150	<0.1	0.8	34.9	1828	9.88	1.1	0.1	<0.5	0.6	46	0.1	0.1	<0.1	85	2.73	0.097	5	5	1.68	2	0.131	1	2.79	0.017	0.01	<0.1	<0.01	<0.001	20.1	<0.1	16	<0.5
North	HB-214563	214563	0.5	31.6	0.6	150	<0.1	0.6	30.4	1789	10.22	1.3	0.1	<0.5	0.5	59	0.1	<0.1	<0.1	91	2.71	0.098	6	3	1.72	1	0.029	<1	3.14	0.014	<0.01	<0.1	<0.01	<0.001	24.3	<0.1	18	<0.5
North	HB-214564	214564	1.4	21.5	2.2	75	<0.1	0.8	32	1356	10.02	113.3	<0.1	362.7	0.3	61	0.1	0.3	0.2	74	2.72	0.091	2	10	1.32	2	0.009	<1	1.98	0.019	<0.01	0.1	0.01	<0.001	16.8	<0.1	12	1.4
North	HB-214565	214565	0.6	30.8	0.5	136	<0.1	0.7	31.1	1713	9.44	1.8	0.1	2.3	0.6	47	0.1	0.1	<0.1	83	2.43	0.095	5	5	1.62	1	0.096	<1	2.69	0.014	<0.01	<0.1	<0.01	<0.001	20.3	<0.1	16	<0.5
North	HB-214566	214566	0.9	23.1	0.8	154	<0.1	0.8	30.8	1733	9.58	1.2	0.1	<0.5	0.6	35	0.1	0.1	<0.1	79	2.26	0.102	5	6	1.68	1	0.174	1	2.65	0.015	<0.01	<0.1	<0.01	<0.001	18.7	<0.1	15	0.5
North	HB-214567	214567	1.4	34	0.4	139	<0.1	0.9	31.7	1658	9.25	1.9	0.1	<0.5	0.6	28	0.1	0.1	<0.1	78	1.84	0.093	4	11	1.53	1	0.209	<1	2.33	0.016	<0.01	<0.1	<0.01	<0.001	16.1	<0.1	13	<0.5
North	HB-214568	214568	0.9	29.2	0.4	143	<0.1	1.1	33	1702	9.85	1.4	0.1	0.5	0.6	40	<0.1	0.1	<0.1	85	1.98	0.098	4	7	1.57	4	0.104	<1	2.44	0.016	<0.01	<0.1	<0.01	<0.001	16	<0.1	14	<0.5
North	HB-214569	214569	1.2	34.6	0.4	154	<0.1	1.1	31.1	1666	9.8	1.1	0.1	<0.5	0.6	21	0.1	0.1	<0.1	75	1.4	0.099	4	6	1.56	3	0.222	<1	2.3	0.014	<0.01	<0.1	<0.01	<0.001	11.4	<0.1	13	<0.5
North	HB-214570	214570	1.1	34.8	0.5	151	<0.1	1.1	30.7	1618	9.18	0.9	0.1	<0.5	0.6	22	0.1	0.1	<0.1	65	1.12	0.098	4	9	1.52	2	0.251	<1	2.27	0.014	0.01	0.1	<0.01	<0.001	10.1	<0.1	11	0.7
North	HB-214571	214571	1.3	35.9	0.4	146	<0.1	0.9	33.6	1667	9.12	1.5	0.1	<0.5	0.6	26	0.1	0.1	<0.1	66	1.47	0.094	4	9	1.52	2	0.259	<1	2.38	0.016	0.01	<0.1	<0.01	<0.001	12	<0.1	12	<0.5
North	HB-214572	214572	1	37.4	0.8	149	<0.1	1.3	31.3	1775	9.72	1.3	0.1	<0.5	0.6	42	0.1	0.1	<0.1	83	2.13	0.103	5	8	1.5	2	0.151	<1	2.55	0.016	0.01	<0.1	<0.01	<0.001	14.9	<0.1	13	<0.5
North	HB-214573	214573	0.8	25.2	1	124	<0.1	0.7	31.6	1630	9.65	3.1	<0.1	0.7	0.6	38	0.1	0.1	<0.1	87	3	0.094	5	5	1.4	2	0.046	<1	2.86	0.013	<0.01	<0.1	<0.01	<0.001	21.6	<0.1	16	<0.5
North	HB-214574	214574	0.6	33.6	0.4	146	<0.1	0.8	31.8	1689	10.19	1.3	<0.1	<0.5	0.6	46	0.1	<0.1	<0.1	92	3.79	0.099	5	3	1.36	1	0.044	<1	3.3	0.009	<0.01	<0.1	<0.01	<0.001	22.2	<0.1	17	<0.5
North	HB-214575	214575	0.5	45.5	0.5	139	<0.1	0.6	31.1	1605	9.88	0.8	<0.1	<0.5	0.4	57	0.2	<0.1	0.1	88	4.21	0.087	5	3	1.21	2	0.033	<1	3.15	0.01	<0.01	0.1	0.01	<0.001	23.5	<0.1	16	<0.5
North	HB-214576	214576	0.8	31.3	0.4	121	<0.1	1	31.5	1689	10.09	0.8	<0.1	<0.5	0.4	44	0.1	<0.1	<0.1	91	2.99	0.095	6	7	1.33	2	0.028	<1	2.88	0.015	<0.01	<0.1	<0.01	<0.001	25.1	<0.1	15	<0.5
North	HB-214577	214577	0.7	27.7	0.4	129	<0.1	0.7	28	1744	9.92	0.8	<0.1	202.2	0.4	45	0.1	<0.1	<0.1	91	3.13	0.096	5	5	1.31	1	0.029	<1	2.69	0.017	<0.01	<0.1	<0.01	<0.001	23.7	<0.1	16	<0.5
North	HB-214578	214578	0.5	28.4	0.6	120	<0.1	0.5	30.2	1938	10.01	0.9	<0.1	2.7	0.3	82	0.1	<0.1	<0.1	86	5.07	0.085	4	3	1.38	1	0.029	<1	3.16	0.01	<0.01	<0.1	<0.01	<0.001	24.6	<0.1	18	0.5
North	HB-214579	214579	0.9	21.9	0.6	125	<0.1	0.7	28.4	1585	9.9	0.9	<0.1	0.8	0.3	90	0.1	<0.1	<0.1	87	5.91	0.087	5	4	1.21	2	0.035	<1	3.03	0.01	<0.01	<0.1	<0.01	<0.001	21.7	<0.1	17	<0.5
North	HB-214580	214580	0.5	27.5	0.3	129	<0.1	0.7	32.2	1268	10.23	0.9	<0.1	<0.5	0.3	42	0.1	<0.1	<0.1	89	3.93	0.089	5	2	1.51	1	0.034	2	3.38	0.012	<0.01	<0.1	<0.01	<0.001	26.8	<0.1	17	<0.5
North	HB-214581	214581	0.7	33.9	1.3	122	<0.1	0.6	32	1060	10.21	1.8	<0.1	<0.5	0.4	27	<0.1	0.1	<0.1	87	3.13	0.089	5	5	1.56	1	0.076	4	3.22	0.02	<0.01	<0.1	0.01	<0.001	20.9	<0.1	17	<0.5
North	HB-214582	214582	0.6	22.5	1	124	<0.1	0.7	30.9	1327	9.74	1.1	<0.1	0.8	0.3	36	<0.1	0.1	<0.1	82	3.98	0.084	5	4	1.47	1	0.031	1	3.08	0.013	<0.01	<0.1	<0.01	<0.001	21.8	<0.1	16	<0.5
North	HB-214583	214583	0.9	29.2	0.2	120	<0.1	0.8	30.3	1162	10.11	0.9	<0.1	<0.5	0.3	32	<0.1	<0.1	<0.1	84	3.48	0.083	5	6	1.43	1	0.033	1	3.04	0.012	<0.01	<0.1	0.01	<0.001	23.9	<0.1	16	<0.5
North	HB-214584	214584	0.6	22.9	0.5	121	<0.1	0.6	29.4	1507	9.24	0.9	<0.1	1.1	0.3	37	0.1	<0.1	<0.1	83	3.55	0.077	4	4	1.43	1	0.024	3	2.69	0.011	<0.01	<0.1	<0.01	<0.001	23.5	<0.1	17	0.5
North	HB-214585	214585	0.7	33.5	0.5	130	<0.1	0.7	32.1	1661	9.88	1.1	<0.1	<0.5	0.3	33	0.1	0.1	<0.1	83	2.86	0.088	3	5	1.43	1	0.023	<1	2.4	0.016	<0.01	<0.1	<0.01	<0.001	23.8	<0.1	16	0.6
North	HB-214586	214586	1	31.4	1.1	86	<0.1	0.7	28.7	564	9.25	2.1	0.1	0.8	0.5	10	<0.1	0.1	<0.1	82	1.17	0.093	5	8	1.06	1	0.131	2	1.67	0.032	<0.01	0.1	0.01	<0.001	14.2	<0.1	13	0.8
North	HB-214587	214587	1.4	40.2	2.7	76	<0.1	0.7	32.2	491	9.53	4.1	0.1	1	0.6	7	<0.1	0.2	0.1	81	0.77	0.102	6	12	0.96	1	0.141	2	1.47	0.04	<0.01	<0.1	<0.01	<0.001	11.2	<0.1	13	<0.5

Appendix A-8: Geochemical Data - Historic Samples
Whole Rock Data, SRK (2007)

Zone	Lab ID	Other ID	SiO_2	TiO_2	Al^2O_3	Fe^2O_3	MnO	MgO	CaO	Na^2O	K^2O	P^20_5	Ba(F)	LOI	Total
			%	%	%	%	%	%	%	%	%	%	%	%	%
North	HB-214526	214526	47.88	2.5	13.99	16.97	0.21	5.19	10.09	2.4	0.46	0.15	0	0.09	99.93
North	HB-214527	214527	47.09	2.6	13.65	17.89	0.21	5.54	10.07	2.3	0.41	0.14	0	0.02	99.92
North	HB-214528	214528	47.69	2.26	14.47	16.36	0.19	5.63	10.24	2.36	0.5	0.11	0	0.15	99.96
North	HB-214529	214529	46	2.85	13.36	18.89	0.22	5.79	10.04	2.25	0.38	0.12	0	0.08	99.98
North	HB-214530	214530	47.86	2.31	13.7	17.11	0.22	5.66	9.84	2.4	0.45	0.15	0.01	0.28	99.99
North	HB-214531	214531	47.04	2.72	12.35	18.39	0.21	5.92	10.1	2.27	0.34	0.16	0	0.45	99.95
North	HB-214532	214532	46.37	3.24	11.72	21.03	0.22	5.01	9.34	2.27	0.43	0.26	0	<0.02	99.87
North	HB-214533	214533	46.26	3.43	11.06	21.72	0.25	5.06	9.27	2.23	0.45	0.21	0	<0.06	99.88
North	HB-214534	214534	47.76	3.21	11.45	20.01	0.24	4.15	9.14	2.52	0.67	0.27	0.01	0.21	99.64
North	HB-214535	214535	47.91	3.3	11.15	21.28	0.29	3.74	8.48	2.78	0.56	0.29	0.01	0.09	99.88
North	HB-214536	214536	49.53	2.89	11.07	20.61	0.3	3.28	8	2.66	0.82	0.35	0.01	0.2	99.72
North	HB-214537	214537	49.5	2.77	11.06	20.44	0.26	3.82	8.22	2.58	0.72	0.33	0.01	0.2	99.91
North	HB-214538	214538	50.02	2.85	11.14	19.48	0.26	3.51	8	2.69	0.94	0.36	0.01	0.67	99.93
North	HB-214539	214539	47.3	3.46	10.49	22.05	0.27	4.35	8.66	2.31	0.52	0.26	0	0.04	99.71
North	HB-214540	214540	45.42	3.77	10.56	22.97	0.27	5.1	9.29	2.12	0.36	0.2	0	<0.28	99.78
North	HB-214541	214541	45.92	3.49	11.11	22.01	0.25	5.03	9.22	2.19	0.41	0.2	0.01	<0.02	99.82
North	HB-214542	214542	43.9	4.01	10.61	23.94	0.26	5.37	9.13	2.03	0.36	0.19	0	<0.23	99.57
North	HB-214543	214543	43.81	3.91	10.98	23.39	0.23	5.58	9.33	2.06	0.34	0.16	0	<0.2	99.59
North	HB-214544	214544	46.14	3.04	12.01	20.47	0.23	5.65	9.62	2.23	0.35	0.17	0	<0.08	99.83
North	HB-214545	214545	47.75	2.35	12.72	17.73	0.21	5.84	10.23	2.31	0.32	0.2	0	0.31	99.97
North	HB-214546	214546	47.64	2.41	12.29	18.06	0.23	5.97	9.99	2.35	0.36	0.2	0	0.31	99.81
North	HB-214547	214547	48.4	2.45	12.41	18.16	0.23	5.45	9.8	2.29	0.36	0.2	0	0.12	99.87
North	HB-214548	214548	48.39	2.29	12.37	17.79	0.24	6.06	9.91	2.2	0.3	0.22	0	0.08	99.85
North	HB-214549	214549	47.8	2.48	12.3	18.23	0.24	6.29	9.93	2.23	0.28	0.15	0	0.04	99.97
North	HB-214550	214550	48.5	2.35	12.35	17.71	0.23	5.91	9.93	2.33	0.29	0.16	0	0.12	99.88
North	HB-214551	214551	48.74	2.27	12.24	17.57	0.23	5.93	9.78	2.35	0.33	0.18	0.01	0.2	99.83
North	HB-214552	214552	49.27	1.78	13.1	15.21	0.21	6.65	10.97	2.25	0.26	0.13	0	0.09	99.92
North	HB-214553	214553	49.27	1.73	12.87	14.98	0.21	7.13	11.12	2.14	0.26	0.19	0	0.06	99.96
North	HB-214554	214554	49.61	1.64	12.88	14.75	0.21	7.19	10.99	2.17	0.25	0.13	0	0.09	99.91
North	HB-214555	214555	49.44	2.08	12.2	16.74	0.21	5.9	9.93	2.33	0.46	0.21	0.01	0.17	99.68
North	HB-214291	214291	48.78	1.49	13.95	17.45	0.29	5.25	4.49	4.76	0.40	0.21	0.02	2.72	99.81
North	HB-214292	214292	47.55	1.47	13.83	18.55	0.31	5.58	4.76	4.41	0.37	0.16	0.02	2.92	99.92
North	HB-214293	214293	49.05	1.56	14.22	16.87	0.18	5.62	3.93	4.86	0.39	0.17	0.01	2.90	99.75
North	HB-214294	214294	48.77	1.47	13.80	17.76	0.22	5.40	4.49	4.68	0.33	0.17	0.01	2.76	99.85
North	HB-214295	214295	48.01	1.49	13.77	17.63	0.21	5.88	4.96	4.28	0.50	0.16	0.01	2.70	99.60
North	HB-214296	214296	47.56	1.50	14.04	17.74	0.19	5.59	5.03	4.31	0.52	0.16	0.01	2.80	99.45
North	HB-214297	214297	48.97	1.53	14.11	16.68	0.17	5.28	5.13	4.75	0.57	0.20	0.01	2.48	99.89
North	HB-214298	214298	48.21	1.50	14.15	17.40	0.20	5.77	4.36	4.44	0.65	0.16	0.02	2.93	99.78
North	HB-214299	214299	47.44	1.53	14.34	17.60	0.27	6.05	4.15	4.52	0.45	0.18	0.02	3.38	99.95
North	HB-214300	214300	47.29	1.53	14.67	17.63	0.27	6.16	3.82	4.59	0.43	0.15	0.02	3.36	99.91
North	HB-214501	214501	44.91	1.44	14.07	19.52	0.25	6.60	3.67	4.16	0.40	0.17	0.01	3.83	99.03
North	HB-214502	214502	47.61	1.50	14.09	17.60	0.25	6.21	4.36	4.25	0.57	0.15	0.03	3.22	99.85
North	HB-214503	214503	47.28	1.50	14.24	17.66	0.28	6.49	3.76	4.30	0.74	0.15	0.06	3.38	99.84
North	HB-214504	214504	45.92	1.48	13.99	19.19	0.30	6.86	3.49	4.06	0.68	0.21	0.05	3.67	99.89
North	HB-214505	214505	43.08	1.29	12.90	25.47	0.25	6.12	2.91	3.99	0.37	0.14	0.02	3.46	99.99
North	HB-214506	214506	47.87	1.48	14.30	17.65	0.25	6.05	3.80	4.80	0.49	0.15	0.02	3.13	99.99
North	HB-214507	214507	49.98	1.55	15.16	15.68	0.22	4.70	3.34	5.67	0.53	0.17	0.01	2.82	99.82
North	HB-214508	214508	49.05	1.42	13.86	17.16	0.23	5.42	4.01	5.09	0.26	0.14	0.01	2.73	99.39
North	HB-214509	214509	44.61	1.44	13.32	20.16	0.24	7.63	3.90	3.65	0.40	0.15	0.01	4.28	99.79
North	HB-214510	214510	46.30	1.46	13.90	18.81	0.24	6.62	3.55	4.31	0.47	0.19	0.01	3.69	99.54
North	HB-214511	214511	50.98	1.20	12.08	17.31	0.17	5.65	4.02	4.61	0.28	0.18	0.01	2.58	99.06
North	HB-214512	214512	45.25	1.41	13.50	20.08	0.30	7.26	4.11	3.54	0.49	0.17	0.02	3.77	99.90
North	HB-214513	214513	45.54	1.39	13.64	19.68	0.29	6.78	4.05	4.00	0.46	0.20	0.01	3.49	99.54
North	HB-214514	214514	46.32	1.39	13.19	19.32	0.32	6.57	4.68	3.83	0.53	0.13	0.03	3.26	99.57
North	HB-214515	214515	47.36	1.36	13.88	17.85	0.31	6.53	4.31	4.20	0.62	0.21	0.03	3.21	99.86
North	HB-214516	214516	45.61	1.37	13.61	19.82	0.27	6.88	4.43	3.67	0.60	0.14	0.04	3.42	99.86
North	HB-214517	214517	46.44	1.39	13.78	17.78	0.22	7.34	5.29	3.40	0.93	0.13	0.03	3.07	99.82
North	HB-214518	214518	46.82	1.36	13.82	17.40	0.19	7.29	5.50	3.51	0.77	0.13	0.02	2.89	99.68
North	HB-214519	214519	47.18	1.39	13.80	17.63	0.23	6.59	6.66	3.25	0.89	0.12	0.01	2.14	99.89
North	HB-214520	214520	47.26	1.32	14.33	17.53	0.23	6.63	5.70	3.47	0.96	0.16	0.02	2.37	99.99
North	HB-214521	214521	47.04	1.26	13.12	18.49	0.21	5.86	7.23	2.32	1.79	0.12	0.06	2.23	99.71
North	HB-214522	214522	47.16	1.33	13.81	17.69	0.23	6.94	6.21	2.92	1.07	0.14	0.02	2.37	99.89
North	HB-214523	214523	46.36	1.34	14.08	18.24	0.24	7.26	5.61	3.32	0.76	0.19	0.01	2.52	99.94
North	HB-214524	214524	46.51	1.29	13.48	19.42	0.27	6.79	6.47	2.63	0.85	0.13	0.02	2.15	99.99
North	HB-214525	214525	46.46	1.28	13.50	19.38	0.28	6.64	7.11	1.89	0.85	0.12	0.02	2.14	99.68
North	HB-214262	214262	43.38	1.33	12.31	15.63	0.23	2.77	10.56	0.33	1.54	0.22	0.02	11.29	99.61
North	HB-214263	214263	47.36	1.2	10.95	13.83	0.24	2.46	10.44	0.75	1.16	0.25	0.01	11.05	99.7
North	HB-214264	214264	46.64	1.23	11.36	14.49	0.24	2.54	10.17	1.18	0.92	0.21	0.01	10.85	99.84
North	HB-214265	214265	43.68	1.17	10.89	14.2	0.28	2.47	12.21	1.14	0.92	0.2	0.01	12.35	99.52
North	HB-214266	214266	47.2	1.25	11.65	14.65	0.23	2.55	8.95	0.95	1.36	0.22	0.02	10.59	99.62
North	HB-214267	214267	47.98	1.3	12.12	15.06	0.23	2.7	7.17	2.06	1	0.23	0.01	9.91	99.77
North	HB-214268	214268	46.26	1.2	11.05	13.29	0.29	2.57	9.02	0.98	1.85	0.22	0.01	12.86	99.6
North	HB-214269	214269	47.78	1.06	9.79	11.41	0.28	2.18	11.03	0.65	1.97	0.19	0.01	13.6	99.95
North	HB-214270	214270	46.74	1.19	10.95	13.69	0.26	2.41	9.65	0.75	1.68	0.21	0.02	12.22	99.77
North	HB-214271	214271	45.5	1.21	11.3	13.67	0.25	2.44	10.26	0.85	1.59	0.26	0.01	12.43	99.77
North	HB-214272	214272	44.99	1.21	11.19	14.09	0.26	2.49	10.66	0.42	1.62	0.21	0.02	12.62	99.78
North	HB-214273	214273	48.88	1.26	11.66	13.27	0.21	2.35	9	0.74	1.64	0.21	0.02	10.64	99.88
North	HB-214274	214274	49.49	1.15	10.58	11.4	0.23	2	10.83	1.65	0.91	0.2	0.01	11.24	99.69
North	HB-214275	214275	44.65	1.22	11.31	13.26	0.22	2.16	12.38	0.62	1.32	0.2	0.01	12.44	99.79
North	HB-214276	214276	48.57	1.18	10.98	13.67	0.22	2.6	9.83	0.28	2	0.21	0.03	10.33	99.9
North	HB-214277	214277	46.08	1.17	11.07	15.57	0.32	4	8.9	0.93	3.05	0.22	0.04	8.25	99.6
North	HB-214278	214278	43.23	1.16	10.84	15.3	0.33	4	10.89	1.2	2.49	0.38	0.03	9.89	99.74
North	HB-214279	214279	41.89	1.17	11.07	17.04	0.32	4.7	10.46	1.51	2.2	0.23	0.03	9.19	99.81
North	HB-214280	214280	41.16	1.24	11.65	17.95	0.32	5.04	9.53	1.82	2.55	0.32	0.05	8.23	99.86
North	HB-214281	214281	48.16	1.34	11.58	16.52	0.23	4.07	6.4	2.27	1.88	0.28	0.04	6.47	99.24
North	HB-214282	214282	50.9	1.4	12.99	14.73	0.2	4.93	5.1	3.93	0.5	0.26	0.01	4.74	99.69
North	HB-214283	214283	51.38	1.37	12.71	15.75	0.22	4.46	5.2	4.56	0.36	0.24	0.01	3.53	99.79
North	HB-214284	214284	53.45	1.42	13.14	14.87	0.21	4.01	3.79	5.05	0.41	0.26	0.01	2.95	99.57
North	HB-214285	214285	53.22	1.41	13.04	15.11	0.23	3.68	4.68	5.6	0.24	0.3	0.01	2.26	99.78
North	HB-214286	214286	53.55	1.34	12.63	14.85	0.21	3.73	5.69	5.57	0.17	0.22	0	1.79	99.75
North	HB-214287	214287	50.89	1.39	12.99	17.07	0.21	3.41	3.44	5.5	0.4	0.31	0.01	4.02	99.64
North	HB-214288	214288	52.81	1.37	13.02	15.62	0.22	3.88	4.81	5.55	0.27	0.32	0.01	2.02	99.9
North	HB-214289	214289	54.27	1.39	13.03	14.59	0.21	3.76	4.31	5.56	0.33	0.28	0	2.07	99.8
North	HB-214556	214556	53.13	1.34	12.51	16.04	0.20	2.90	4.31	4.10	0.06	0.23	0.01	4.90	99.73
North	HB-214557	214557	52.28	1.35	12.62	16.72	0.22	3.00	4.37	4.03	0.11	0.28	0.01	4.97	99.94
North	HB-214558	214558	52.66	1.35	12.67	16.78	0.22	2.93	4.37	3.92	0.11	0.26	0.01	4.57	99.84
North	HB-214559	214559	52.93	1.37	12.74	16.90	0.22	2.95	4.52	3.82	0.09	0.25	0.01	4.11	99.91
North	HB-214560	214560	52.80	1.36	12.62	16.80	0.23	3.03	4.83	3.67	0.08	0.24	0.01	4.29	99.95
North	HB-214561	214561	53.14	1.36	12.62	16.99	0.21	3.08	4.32	3.52	0.10	0.25	0.01	4.30	99.90
North	HB-214562	214562	52.06	1.34	12.47	16.69	0.22	3.04	4.91	3.58	0.10	0.24	0.01	5.05	99.71
North	HB-214563	214563	52.32	1.35	12.50	16.75	0.22	3.18	4.48	3.24	0.07	0.25	0.01	5.57	99.94
North	HB-214564	214564	49.86	1.26	11.90	15.84	0.17	2.50	4.69	4.28	0.05	0.21	0.01	5.08	95.85
North	HB-214565	214565	52.75	1.36	12.59	16.59	0.22	3.09	4.58	3.43	0.06	0.25	0.01	4.91	99.84
North	HB-214566	214566	52.88	1.35	12.61	16.81	0.22	3.12	4.52	3.57	0.07	0.23	0.01	4.53	99.92
North	HB-214567	214567	53.41	1.37	12.70	16.86	0.23	3.01	4.31	3.82	0.05	0.25	0.01	3.86	99.88
North	HB-214568	214568	53.28	1.37	12.77	16.89	0.22	2.97	4.33	3.75	0.03	0.26	0.01	3.93	99.80
North	HB-214569	214569	53.91	1.39	12.99	17.03	0.22	2.93	4.22	3.87	0.04	0.29	0.01	2.63	99.52
North	HB-214570	214570	54.22	1.39	12.87	17.16	0.23	2.97	4.79	3.24	0.05	0.31	0.01	2.72	99.96
North	HB-214571	214571	53.35	1.37	12.89	17.05	0.24	2.93	5.35	2.99	0.06	0.24	0.01	3.30	99.78
North	HB-214572	214572	52.77	1.36	12.76	16.86	0.24	2.82	5.31	3.20	0.04	0.26	0.01	4.28	99.92
North	HB-214573	214573	52.00	1.35	12.39	16.32	0.21	2.76	5.48	3.13	0.04	0.27	0.01	5.82	99.79
North	HB-214574	214574	51.08	1.32	12.22	16.18	0.21	2.55	6.32	2.78	0.03	0.22	0.01	6.74	99.67
North	HB-214575	214575	50.13	1.28	11.95	15.96	0.21	2.44	7.19	2.70	0.02	0.22	0.01	7.77	99.89
North	HB-214576	214576	52.26	1.34	12.52	16.41	0.21	2.56	5.02	3.49	0.03	0.23	0.01	5.79	99.88
North	HB-214577	214577	51.78	1.34	12.41	16.35	0.22	2.56	5.32	3.72	0.03	0.29	0.01	5.85	99.89
North	HB-214578	214578	48.74	1.24	11.47	15.33	0.25	2.63	8.40	2.57	0.02	0.21	0.01	8.71	99.59
North	HB-214579	214579	47.98	1.21	11.17	14.79	0.20	2.37	9.69	2.57	0.03	0.23	0.01	9.75	99.99
North	HB-214580	214580	50.42	1.31	12.14	16.01	0.17	2.93	6.45	2.68	0.02	0.26	0.01	7.44	99.84
North	HB-214581	214581	50.98	1.34	12.46	16.41	0.17	3.29	5.44	3.09	0.02	0.22	0.01	6.34	99.78
North	HB-214582	214582	49.67	1.31	11.95	15.67	0.20	3.09	6.91	2.75	0.02	0.23	0.01	7.98	99.80
North	HB-214583	214583	50.64	1.31	12.30	16.19	0.16	3.06	6.02	3.06	0.02	0.23	0.01	6.92	99.92
North	HB-214584	214584	50.62	1.30	12.00	15.48	0.22	3.12	6.30	3.16	0.02	0.23	0.01	7.38	99.83
North	HB-214585	214585	51.85	1.31	12.12	15.96	0.22	2.93	4.95	3.91	0.02	0.22	0.01	6.21	99.72
North	HB-214586	214586	53.75	1.36	12.80	17.43	0.20	3.05	3.50	5.17	0.08	0.25	0.01	2.38	99.97
North	HB-214587	214587	54.40	1.39	13.10	17.66	0.20	2.87	2.90	5.50	0.07	0.28	0.01	1.56	99.94

Appendix B: Geochemical Data – NMS Samples

Appendix B-1: Geochemical Data - NMS Samples

Net Carbonate Value Data, Newmont (2006) Sample Set

Zone	Lab ID	Paste pH	Total S	SAP650/SAP550	SCIS	Total C	CAP650/CAP550	CAI	ANP
			Total S	Sulphur after Pyrolysis	Elemental S	Total C	Carbon after Pyrolysis	Non-carbonate C	TIC
			%	%	%	%	%	%	$\%CO_2$
North	208827	8.62	0.119	0.16	0.33	2.135	0.68	0.03	7.7
North	208828	8.64	0.118	0.12	0.26	2.247	0.87	0.05	8.1
North	208829	8.69	0.129	0.15	0.28	2.383	0.87	0.01	8.7
North	208830	9.16	0.193	0.2	0.13	0.675	0.04	0.02	2.4
North	208831	9.84	0.045	0.07	0.03	0.318	0.02	0.04	1
North	208832	8.72	0.164	0.19	0.3	2.646	0.49	0.02	9.6
North	208833	8.78	0.264	0.29	0.77	1.959	0.27	0.01	7.2
North	208834	8.94	0.537	0.51	0.51	2.941	0.85	0.07	10.5
North	208835	9.46	0.622	0.49	0.57	0.824	0.04	0.02	3
North	208836	8.5	0.112	0.15	0.03	2.942	0.24	0.02	10.7
North	208837	8.5	0.137	0.21	0.08	2.95	0.69	0.06	10.6
North	208856	8.8	0.124	0.15	0.11	2.698	1.32	0.02	9.8
North	208857	8.96	0.559	0.39	0.44	3.551	1.45	0.03	12.9
North	208858	9.05	0.156	0.16	0.12	4.724	3.46	<0.01	17.3
North	208859	8.82	0.251	0.27	0.18	1.856	0.75	0.03	6.7
North	208870	8.5	0.448	0.28	0.56	2.722	1.13	0.01	10
North	208871	8.67	0.252	0.19	0.2	2.83	1.79	0.02	10.3
North	208872	8.66	0.269	0.21	0.23	2.872	1.88	<0.01	10.5
North	208873	8.58	0.164	0.14	0.12	2.611	1.28	0.02	9.5
North	208874	8.81	0.124	0.13	0.09	2.517	1.05	0.02	9.2
North	208875	8.62	0.229	0.19	0.21	3.13	1.41	<0.01	11.5
North	208885	8.56	0.712	0.47	0.73	3.02	1.52	0.05	10.9
North	208886	8.51	0.131	0.22	0.12	2.666	1.31	0.03	9.7
North	208887	8.7	0.412	0.38	0.4	3.236	2.05	0.03	11.8
North	208888	8.83	0.473	0.45	0.47	2.683	1.77	0.08	9.6
North	208889	8.5	0.138	0.16	0.12	2.647	1.21	0.07	9.5
North	208890	8.98	0.091	0.15	0.09	3.938	1.5	0.04	14.3
North	208891	8.87	0.724	0.47	0.7	3.638	1.96	0.03	13.2
North	208892	8.47	0.118	0.17	0.04	2.183	1.21	0.16	7.4
North	208893	8.67	0.172	0.15	0.13	2.831	1.45	0.19	9.7
North	208894	8.92	0.28	0.25	0.25	3.836	1.56	0.12	13.6
North	202714	8.88	0.729	0.39	0.7	3.17	1.73	0.08	11.3
North	202719	8.59	1.802	0.62	1.76	2.375	0.93	0.05	8.5
North	202766	8.87	0.126	0.13	0.12	4.663	3.37	0.07	16.9
North	202767	8.49	0.198	0.18	0.15	0.919	0.08	0.07	3.1
North	202768	8.56	0.118	0.15	0.14	4.326	1.66	0.03	15.8
North	202769	8.39	0.143	0.19	0.1	1.997	0.96	0.01	7.3
North	202770	9.04	0.567	0.52	0.53	2.432	1.19	0.01	8.9
North	202771	8.64	0.302	0.29	0.28	4.168	2.54	0.06	15.1
North	202772	8.6	0.104	0.15	0.11	4	1.51	0.07	14.4
North	202773	8.63	1.473	0.68	1.51	3.066	1.43	0.02	11.2
Connector	208876	8.71	0.078	0.12	0.09	3.398	1.24	<0.01	12.4
Connector	208877	8.6	0.159	0.18	0.14	3.164	1.5	0.02	11.5
Connector	208878	8.74	0.199	0.2	0.19	2.781	1.15	0.01	10.2
Connector	208879	8.72	0.323	0.26	0.28	3.71	1.14	0.03	13.5
Connector	208880	8.79	0.24	0.24	0.2	4.155	0.92	0.02	15.2
Connector	208881	8.7	1.213	0.7	1.22	3.888	1.02	0.02	14.2
Connector	208882	8.64	0.279	0.26	0.19	3.579	1.47	<0.01	13.1
Connector	208883	8.93	0.341	0.31	0.4	4.281	1.98	0.02	15.6
Connector	208884	9.08	0.101	0.14	0.08	3.56	2.73	0.08	12.8
Central	208895	8.65	0.319	0.34	0.26	2.684	1.09	0.03	9.7
Central	208896	8.72	0.494	0.3	0.49	3.099	1.44	0.03	11.3
Central	208897	9.12	0.277	0.27	0.15	4.976	3.35	0.09	17.9
Central	202708	9.49	0.133	0.1	0.15	0.171	0.06	0.07	0.4
Central	202709	9.43	0.129	0.07	0.1	0.051	0.01	0.02	0.1
Central	202710	8.76	0.459	0.3	0.47	2.672	1.36	0.01	9.8
Central	202711	8.78	1.222	0.48	1.11	2.867	1.1	0.02	10.4
Central	202713	9.54	0.106	0.12	0.12	0.263	0.05	0.08	0.7
Central	202715	8.65	0.18	0.29	0.14	2.564	0.8	0.1	9
Central	202716	8.64	1.196	0.6	1.25	3.608	1.29	0.04	13.1
Central	202717	8.45	0.421	0.38	0.44	3.053	0.96	0.03	11.1
Central	202718	8.57	1.081	0.56	1.21	3.321	1.19	0.01	12.2
Central	202720	8.72	0.936	0.54	1	3.833	1.49	0.08	13.8
Central	202721	8.73	0.094	0.13	0.12	0.847	0.26	0.13	2.6
Central	202746	9.86	0.08	0.16	0.08	0.854	0.08	0.07	2.7
Central	202747	9.77	0.196	0.22	0.03	1.394	0.32	0.06	4.9
Central	202748	9.45	0.06	0.11	0.2	1.169	0.2	0.07	4
Central	202749	8.98	0.241	0.22	0.21	2.335	1.22	0.12	8.1
Central	202750	9.36	0.121	0.12	0.1	0.428	0.05	0.18	0.9
Central	202751	8.94	0.126	0.17	0.13	1.944	0.73	0.1	6.8
Central	202752	8.57	0.109	0.14	0.05	1.897	0.86	0.09	6.6
Central	202755	8.67	0.244	0.22	0.23	3.438	1.27	0.1	12.3
Central	202756	8.37	0.179	0.19	0.15	2.856	1.51	0.17	9.9
Central	202757	9.19	0.147	0.11	0.11	0.325	0.04	0.03	1.1
Central	202758	9.04	0.206	0.15	0.16	1.097	0.11	0.04	3.9
Central	202759	8.47	0.195	0.21	0.19	3.246	1.25	0.05	11.7
Central	202760	8.42	0.199	0.2	0.19	2.818	1.28	0.03	10.2
Central	202761	8.52	0.321	0.24	0.21	3.738	1.38	0.09	13.4
Central	202762	8.61	0.678	0.41	0.67	4.189	1.76	0.1	15
Central	202763	8.36	2.973	0.93	3.13	3.101	0.94	0.03	11.3
Central	202764	8.74	0.149	0.14	0.11	0.483	0.06	0.01	1.7
Central	202722	8.06	0.289	0.3	0.12	2.97	1.39	0.04	10.8
Central	202723	9.71	0.094	0.11	0.05	0.408	0.05	0.1	1.1
Central	202724	8.31	0.132	0.15	0.07	2.717	1.81	0.12	9.5
Central	202725	8.92	0.116	0.12	0.07	1.252	0.45	0.12	4.2
Central	202726	8.11	0.139	0.15	0.1	2.675	1.42	0.04	9.7
Central	202727	8.37	0.254	0.24	0.12	3.485	1.31	0.07	12.5
Central	202728	8.35	0.157	0.18	0.12	3.544	1.34	0.07	12.7
Central	202729	8.95	0.147	0.11	0.11	0.683	0.14	0.1	2.1
Central	202730	8.31	0.354	0.29	0.33	3.1	1.19	0.11	11
Central	202731	8.35	0.13	0.17	0.09	3.145	1.3	0.12	11.1
Central	202732	8.52	0.512	0.34	0.42	3.551	1.27	0.07	12.8
Central	202733	8.72	0.67	0.39	0.78	4.05	1.47	0.07	14.6
Central	202734	8.63	2.594	1.04	2.53	2.974	0.75	0.05	10.7
Central	202735	8.54	2.117	0.75	2.23	2.759	0.4	0.08	9.8
Central	202736	8.34	0.359	0.18	0.15	1.771	0.61	0.15	5.9
Central	202737	8.38	0.45	0.23	0.4	2.733	1.19	0.1	9.7
Central	202738	8.45	0.166	0.18	0.41	2.042	0.91	0.03	7.4

Appendix B-2: Geochemical Data - NMS Samples
Multi-element ICP Data, Newmont (2006) Sample Set

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	S	Ga	Se	Te	Be	Sn	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
North	208827	<2	32	<10	151	0.6	<2	42	2053	11.489	16				66	4	46		105	5.1851			17	1.9928	99	0.1969		6.0363	0.165	0.492					<20			2		<2	<2	ICP-26-S
North	208828	<2	32	<10	150	<2	<2	41	1850	11.422	16				79	3	39		98	6.6217			14	1.5481	140	0.1258		5.9349	1.1946	0.5374					23			15		<2	<2	ICP-26-S
North	208829	<2	30	<10	146	0.8	<2	42	2207	11.461	21				77	3	47		98	6.9583			12	1.6461	207	0.2684		5.9066	1.3956	0.668					<20			4		<2	<2	ICP-26-S
North	208830	<2	67	<10	104	1	<2	55	2352	12.529	19				70	4	48		112	4.4653			12	2.218	303	0.7413		3.3193	2.8497	0.8669					<20			6		<2	<2	ICP-26-S
North	208831	<2	214	<10	111	0.6	40	70	2092	11.892	22				168	4	44		369	6.8614			53	3.3068	233	1.0538		6.8486	2.0319	0.7669					<20			8		<2	<2	ICP-26-S
North	208832	<2	25	<10	124	0.8	4	40	2117	10.957	26				55	3	40		97	4.9081			12	2.3582	171	0.1673		6.0104	0.7648	0.7873					<20			1		<2	<2	ICP-26-S
North	208833	<2	92	<10	122	<2	20	53	1748	11.514	29				38	3	39		268	4.6664			26	2.9485	83	0.2197		6.0128	0.5334	0.7363					<20			<10		<2	<2	ICP-26-S
North	208834	<2	117	<10	109	0.4	77	51	1814	7.9441	50				83	2	31		190	6.8283			82	2.2615	140	0.183		5.8882	1.1517	0.9391					<20			5		<2	<2	ICP-26-S
North	208835	<2	92	<10	880	<2	31	43	1277	7.862	40				78	4	23		109	3.7172			81	2.329	356	0.4395		4.7932	1.5135	1.5798					<20			<10		<2	<2	ICP-26-S
North	208836	<2	32	<10	127	<2	2	35	2509	10.468	25				52	3	36		81	4.9124			18	2.047	151	0.0814		5.5356	1.3381	0.8078					<20			<10		<2	<2	ICP-26-S
North	208837	<2	33	<10	136	<2	2	36	2326	10.39	31				52	2	33		84	5.3387			15	2.2726	183	0.1261		5.7324	1.0996	0.8452					<20			<10		<2	<2	ICP-26-S
North	208856	<2	31	<10	139	<2	3	38	2176	11.082	31				59	4	43		86	4.6627			15	1.9162	115	0.0762		6.0479	1.3473	0.5285					<20			4		<2	<2	ICP-26-S
North	208857	<2	66	<10	65	<2	11	39	1973	9.4542	48				79	3	37		88	5.3818			41	1.6393	88	0.0936		5.5778	0.9416	0.6377					<20			7		<2	<2	ICP-26-S
North	208858	<2	96	<10	73	<2	113	59	2096	8.1816	35				93	3	35		200	8.0579			109	2.6946	57	0.5227		6.6267	1.2954	0.5094					<20			14		<2	<2	ICP-26-S
North	208859	<2	51	<10	155	<2	9	49	1634	11.877	29				67	4	46		153	5.1774			15	1.9131	42	0.101		6.4169	1.6182	0.277					<20			11		<2	<2	ICP-26-S
North	208870	<2	54	<10	175	<2	5	44	1993	11.447	34				91	5	68		131	5.0219			18	1.9431	20	0.0855		6.0383	1.3551	0.4882					<20			35		<2	<2	ICP-26-S
North	208871	<2	89	<10	159	<2	20	53	1893	11.204	39				94	5	65		285	7.0347			16	2.2917	20	0.1038		6.1977	1.676	0.273					<20			45		<2	<2	ICP-26-S
North	208872	<2	106	<10	138	<2	62	55	1937	10.106	41				89	5	71		263	7.6325			57	2.5508	10	0.124		6.377	1.4568	0.3009					<20			42		<2	<2	ICP-26-S
North	208873	<2	32	<10	146	<2	5	41	2499	11.328	29				88	5	60		108	4.8181			17	1.9432	168	0.1056		6.0176	1.4134	0.8297					<20			26		<2	<2	ICP-26-S
North	208874	<2	30	<10	142	<2	6	41	2228	10.372	33				136	5	73		121	4.9125			14	2.1679	280	0.1076		6.7025	1.4419	1.2689					29			31		<2	<2	ICP-26-S
North	208875	<2	63	<10	108	<2	40	45	2193	9.9123	36				89	5	67		142	6.0805			46	2.1531	127	0.1156		6.4394	1.0148	1.0108					<20			41		<2	<2	ICP-26-S
North	208885	<2	30	<10	120	<2	3	38	2352	10.134	43				70	5	60		92	5.3408			28	1.951	109	0.1277		5.5998	1.098	0.8489					30			34		<2	<2	ICP-26-S
North	208886	<2	45	<10	133	<2	5	39	2252	10.781	35				58	4	69		130	5.3009			22	2.1323	108	0.1371		5.839	1.0203	0.6656					<20			32		<2	<2	ICP-26-S
North	208887	<2	82	<10	89	<2	48	43	1996	8.1876	41				70	3	56		214	6.4072			93	2.2555	86	0.1369		5.489	0.9162	0.6627					<20			17		<2	<2	ICP-26-S
North	208888	<2	58	<10	178	<2	34	35	1642	7.2566	30				66	2	42		114	6.3847			54	1.8296	63	0.2015		5.0678	0.8939	0.5507					<20			29		<2	<2	ICP-26-S
North	208889	<2	33	<10	132	<2	6	31	1953	9.5887	27				70	3	50		88	4.1933			22	1.5475	127	0.0699		5.5511	1.236	0.7109					<20			18		<2	<2	ICP-26-S
North	208890	<2	33	<10	93	<2	5	33	2116	9.3373	29				112	4	61		97	4.9102			16	1.6906	169	0.097		5.5888	0.99	1.018					<20			29		<2	<2	ICP-26-S
North	208891	<2	85	<10	61	<2	48	35	1435	5.7741	40				62	2	48		120	5.407			71	1.7737	55	0.0397		4.4892	0.7821	0.6824					<20			<10		<2	<2	ICP-26-S
North	208892	<2	25	<10	135	0.2	8	40	1994	12.17	19				66	3	40		93	4.511			16	1.9681	157	0.1323		6.6647	0.7505	0.8882					<20			3		<2	<2	ICP-26-S
North	208893	<2	36	<10	141	0.2	13	42	2259	11.993	17				88	3	33		98	4.7381			14	1.8393	210	0.1389		6.9072	1.0656	0.8996					<20			4		<2	<2	ICP-26-S
North	208894	<2	66	<10	110	0.4	12	38	2196	10.513	9				106	3	32		84	4.8722			17	1.5974	143	0.1148		6.1861	0.9824	0.8446					<20			<10		<2	<2	ICP-26-S
North	202714	<2	61	<10	<2	0.2	74	40	1345	5.4046	37				74	1	19		127	5.1134			160	1.6793	62	0.0344		4.4926	0.8138	0.5153					<20			6		<2	<2	ICP-26-S
North	202719	<2	61	<10	<2	0.4	41	35	1235	5.294	35				46	1	7		92	3.7694			122	1.1169	97	0.0287		3.2469	0.369	0.7479					<20			<10		<2	<2	ICP-26-S
North	202766	<2	92	<10	67	<2	91	45	1635	6.8448	33				93	5	53		201	7.0183			104	2.5309	7	0.0662		5.7619	1.1468	0.5824					<20			11		<2	<2	ICP-26-S
North	202767	<2	62	<10	9	1.2	16	9	384	1.4188	11				22	1	14		40	1.3057			87	0.3643	22	0.0143		1.1067	0.217	0.2209					<20			<10		<2	<2	ICP-26-S
North	202768	<2	30	<10	73	<2	4	32	2171	9.0259	14				106	6	55		84	5.1454			10	1.4701	36	0.1149		4.741	0.9582	0.5777					<20			<10		<2	<2	ICP-26-S
North	202769	<2	24	<10	108	<2	2	32	1374	9.2254	29				47	5	51		88	4.0382			131	1.4675	50	0.1129		4.8128	0.235	0.6292					<20			16		<2	<2	ICP-26-S
North	202770	<2	106	<10	249	<2	83	52	1592	7.3065	55				80	6	51		181	6.1153			90	2.2346	121	0.1979		5.3951	1.1532	1.257					<20			12		<2	<2	ICP-26-S
North	202771	<2	86	<10	57	<2	43	43	1997	7.6398	338				94	6	45		232	6.8411			51	1.867	53	0.1751		5.2516	1.0084	0.5631					<20			7		<2	<2	ICP-26-S
North	202772	<2	26	<10	90	<2	2	31	2107	9.1551	29				98	5	48		90	5.4851			9	1.4732	71	0.2068		4.7853	0.8052	0.8072					<20			23		<2	<2	ICP-26-S
North	202773	<2	85	<10	33	<2	72	39	1586	6.6713	81				71	4	34		156	6.3928			113	1.5241	33	0.0973		4.3653	0.6626	0.6665					<20			14		<2	<2	ICP-26-S
Connector	208876	<2	25	<10	100	<2	2	40	1956	10.022	36				92	4	70		108	5.5622			16	2.2329	94	0.0807		5.9809	0.9091	1.6208					10			22		<2	<2	ICP-26-S
Connector	208877	<2	27	<10	141	<2	<2	40	2273	10.526	36				71	5	58		100	5.7416			20	2.1132	104	0.0847		5.8612	1.3138	0.927					21			47		<2	<2	ICP-26-S
Connector	208878	<2	27	<10	140	<2	4	44	2075	10.417	29				82	5	62		114	5.008			34	2.514	150	0.0666		6.2849	1.3468	1.2011					17			7		<2	<2	ICP-26-S
Connector	208879	<2	27	<10	116	<2	<2	38	2140	9.94	30				92	3	54		90	5.6			27	1.53	125	0.0608		5.48	1.204	0.99					7			8		<2	<2	ICP-26-S
Connector	208880	<2	37	<10	126	<2	1	35	2136	9.8882	38				113	5	69		85	5.6487			22	1.4591	90	0.0711		5.5289	1.2555	0.6607					<20			29		<2	<2	ICP-26-S
Connector	208881	<2	68	<10	105	<2	3	32	2072	9.6952	33				122	4	49		79	5.6574			46	1.4064	77	0.0548		5.239	1.0797	0.6454					10			16		<2	<2	ICP-26-S
Connector	208882	<2	28	<10	126	<2	2	35	1939	9.9661	23				90	4	54		89	5.2212			19	1.6202	86	0.0709		5.6198	1.2894	0.9864					<20			22		<2	<2	ICP-26-S
Connector	208883	<2	39	<10	97	<2	25	36	1893	8.778	45				90	4	65		109	5.9505			29	2.0168	56	0.0727		5.611	1.0264	0.8227					12			32		<2	<2	ICP-26-S
Connector	208884	<2	92	<10	74	<2	116	48	1312	6.8927	36				77	3	58		193	7.8381			98	3.5899	<2	0.0265		6.1428	1.087	0.1907					6			6		<2	<2	ICP-26-S
Central	208895	<2	71	<10	146	<2	17	50	2173	11.942	27				81	4	38		211	6.24			17	2.2237	149	0.1172		6.4593	1.1539	0.7444					<20			<10		<2	<2	ICP-26-S
Central	208896	<2	58	<10	163	0.6	35	51	1922	11.197	44				88	3	40		163	6.0932			43	2.2975	94	0.1115		6.6706	1.4665	0.5284					<20			18		<2	<2	ICP-26-S
Central	208897	<2	85	<10	70	<2	111	53	1707	7.6859	68				104	3	34		208	9.2726			116	3.0552	76	0.0492		6.6946	1.1952	0.8581					<20			16		<2	<2	ICP-26-S
Central	202708	<2	97	<10	121	<2	28	79	1870	13.3	84				133	10	70		417	5.1798			24	3.0523	<2	0.9588		0.7411	1.8857	0.2157					41			28		<2	<2	ICP-26-S
Central	202709	<2	83	<10	139	<2	38	79	1951	13.553	46				154	8	69		380	5.3119			35	3.1467	<2	0.8956		7.7589	1.6733	0.1799					22			49		<2	<2	ICP-26-S
Central	202710	<2	50	<10	151	<2	15	51	1976	11.045	78				65	7	55		187	5.8653			39	2.1843	42	0.2738		6.3809	1.281	0.7834					6			22		<2	<2	ICP-26-S
Central	202711	<2	47	<10	112	<2	18	47	2117	11.086	77				87	7	52		129	5.1777			37	2.1625	14	0.2137		6.0823	1.3179	0.639					8			29		<2	<2	ICP-26-S
Central	202713	<2	72	<10	141	<2	38	78	1861	13.107	65				111	9	68		347	4.302			34	3.1951	<2	0.8795		7.5389	2.0124	0.1596					18			30		<2	<2	ICP-26-S
Central	202715	<2	70	<10	137	<2	3	47	2236	11.572	57				61	8	63		118	4.6785			18	2.2744	61	0.1587		6.3379	1.4177	0.7248					<20			83		<2	<2	ICP-26-S
Central	202716	<2	37	<10	109	<2	2	45	2330	10.974	83				98	8	64		111	5.4938			18	1.6388	101	0.1639		6.0832	1.3799	1.0554					<20			18		<2	<2	ICP-26-S
Central	202717	<2	25	<10	99	<2	1	39	1880	9.2971	48				88	6	48		90	4.7571			35	1.2605	93	0.1579		4.8965	1.2684	0.5695					<20			25		<2	<2	ICP-26-S
Central	202718	<2	38	<10	99	<2	2	40	1885	9.6958	51				91	6	55		98	4.9019			28	1.3128	119	0.2181		5.264	1.3044	0.7559					<20			78		<2	<2	ICP-26-S
Central	202720	<2	37	<10	130	<2	1	44	2173	10.664	82				119	6	51		103	5.5383			14	1.557	117	0.1816		5.9809	1.3975	0.9111					<20			21		<2	<2	ICP-26-S
Central	202721	<2	36	<10	152	<2	1	50	2016	11.914	27				159	7	73		134	4.0479			20	1.5309	<2	0.6747		6.1337	2.2735	0.0379					25			61		<2	<2	ICP-26-S
Central	202746	<2	143	<10	94	<2	114	71	1622	9.5591	59				137	8	76		303	6.7059			83	4.2678	<2	0.4649		6.9553	1.7438	0.5587					5			45		<2	<2	ICP-26-S
Central	202747	<2	89	<10	282	<2	43	63	1862	10.445	59				65	8	75		297	6.2475			39	2.9022	147	0.5828		6.519	2.0878	1.1158					16			40		<2	<2	ICP-26-S
Central	202748	<2	28	<10	43	<2	35	19	569	3.2902	51				60	2	60		78	3.6127			37	1.2002	551	0.1222		7.3766	2.8941	1.9347					1			21		<2	<2	ICP-26-S
Central	202749	<2	73	<10	129	<2	22	57	1484	11.54	57				51	7	63		295	7.4323			27	2.0299	77	0.3167		6.1036	0.4681	1.488					5			34		<2	<2	ICP-26-S
Central	202750	<2	72	<10	134	<2	30	74	1982	13.218	63				122	9	87		362	5.0499			42	3.1083	<2	0.9029		6.9816	1.9237	0.1438					20			51		<2	<2	ICP-26-S
Central	202751	<2	59	<10	133	<2	18	58	1695	11.155	46				54	6	72		232	5.8094			25	2.3501	30	0.4317		6.0312	1.1851	0.7274					<20			57		<2	<2	ICP-26-S
Central	202752	<2	30	<10	144	<2	2	44	2049	11.106	59				115	7	65		120	4.5324			12	1.6474	<2	0.193		5.969	2.4871	0.199					<20			29		<2	<2	ICP-26-S
Central	202755	<2	38	<10	105	<2	23	41	2434	9.9741	37				127	6	72		117	6.0774			63	1.9034	63	0.1768		5.4549	1.2949	0.6824					6			45		<2	<2	ICP-26-S
Central	202756	<2	38	<10	132	<2	8	45	2394	10.896	46				85	7	59		126	5.6524			19	1.9393	45	0.1846		5.6923	1.7877	0.5706					<20			19		<2	<2	ICP-26-S
Central	202757	<2	143	<10	106	<2	104	71	1741	10.51	53				165	7	79		338	6.7346			129	4.0348	<2	0.6215		7.3521	1.3429	0.1399					11			77		<2	<2	ICP-26-S
Central	202758	<2	145	<10	113	<2	92	69	1830	10.789	60				132	6	79		331	6.3421			105	4.1119	<2	0.5117		7.2521	1.3381	0.2111					9			62		<2	<2	ICP-26-S

Appendix B-2: Geochemical Data - NMS Samples
Multi-element ICP Data, Newmont (2006) Sample Set

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	S	Ga	Se	Te	Be	Sn	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
Central	202759	<2	51	<10	132	<2	7	46	2270	10.946	64				97	7	54		122	5.8084			22	1.9733	47	0.1569		5.9916	1.3521	0.7348					<20			54		<2	<2	ICP-26-S
Central	202760	<2	32	<10	146	<2	3	48	2397	11.207	46				125	6	69		124	5.6412			18	2.0156	96	0.2197		6.3803	2.0156	0.7291					5			28		<2	<2	ICP-26-S
Central	202761	<2	26	<10	120	<2	4	36	2251	9.9382	36				121	7	63		101	5.9382			20	1.5956	81	0.1321		5.4602	0.99	0.751					29			57		<2	<2	ICP-26-S
Central	202762	<2	55	<10	133	<2	22	38	2017	9.0276	14				106	6	69		112	6.3039			40	1.7093	39	0.0984		5.2516	1.0024	0.7847					2			43		<2	<2	ICP-26-S
Central	202763	<2	91	<10	45	<2	38	35	1530	7.7112	59				61	6	58		93	4.9064			135	1.7151	<2	0.0572		3.2649	0.49	0.5199					<20			16		<2	<2	ICP-26-S
Central	202764	<2	32	<10	144	<2	2	53	1846	11.651	23				108	6	66		151	4.2695			20	1.6687	<2	0.7405		6.0619	1.0719	0.1796					38			28		<2	<2	ICP-26-S
Central	202722	<2	73	<10	69	<2	31	44	1538	8.5497	40				69	4	44		246	5.805			47	2.0356	168	0.1077		6.7159	0.4295	2.4051					<20			25		<2	<2	ICP-26-S
Central	202723	<2	93	<10	153	<2	32	71	1922	12.389	37				106	5	57		354	4.5226			32	3.0723	62	0.863		7.0016	2.5769	0.2817					<20			19		<2	<2	ICP-26-S
Central	202724	<2	67	<10	135	7	22	55	1882	10.275	26				77	4	39		255	7.1036			25	1.8207	1334	0.4044		6.1275	1.3466	0.9303					<20			22		<2	<2	ICP-26-S
Central	202725	<2	30	<10	34	<2	38	18	624	3.1726	34				108	<2	34		73	3.346			79	1.0223	181	0.0827		7.4392	4.0654	1.1558					<20			25		<2	<2	ICP-26-S
Central	202726	<2	33	<10	151	<2	6	41	2314	10.768	36				100	4	45		104	5.7023			17	1.7458	112	0.1435		6.0235	1.8536	0.5946					<20			20		<2	<2	ICP-26-S
Central	202727	<2	40	<10	125	<2	22	43	2492	10.698	37				116	4	39		110	6.2061			43	2.0116	135	0.1752		5.8293	1.567	0.7157					<20			25		<2	<2	ICP-26-S
Central	202728	<2	46	<10	131	<2	5	40	2539	11.044	42				115	4	52		106	5.8097			24	1.8852	162	0.0914		5.9776	1.2875	0.9016					<20			31		<2	<2	ICP-26-S
Central	202729	<2	147	<10	124	<2	109	72	1770	10.966	45				162	5	56		320	6.132			203	4.396	3	0.58		7.41	1.542	0.076					<20			25		<2	<2	ICP-26-S
Central	202730	<2	57	<10	152	2.2	7	40	2293	10.772	32				90	4	45		104	5.6619			19	1.9557	99	0.1216		5.8293	1.3856	0.6419					<20			14		<2	<2	ICP-26-S
Central	202731	<2	31	<10	150	<2	4	39	2437	11.177	33				92	4	46		101	5.3336			21	1.9037	143	0.1027		5.859	1.8757	0.7151					<20			24		<2	<2	ICP-26-S
Central	202732	<2	52	<10	136	82.1	7	37	2171	9.5896	35				136	3	42		102	5.994			36	1.8984	175	0.1094		5.749	1.3347	0.7888					<20			18		<2	<2	ICP-26-S
Central	202733	<2	49	<10	185	<2	5	36	2172	9.6951	32				108	4	39		90	6.3173			42	1.5723	100	0.0998		5.542	1.0263	0.7712					<20			16		<2	<2	ICP-26-S
Central	202734	<2	89	<10	79	3.6	25	38	1593	7.8511	46				86	3	38		96	4.6819			102	1.3826	91	0.0652		4.7059	0.8323	0.7423					<20			18		<2	<2	ICP-26-S
Central	202735	<2	60	<10	66	<2	27	34	1510	7.4051	53				84	3	27		100	4.7683			118	1.5981	82	0.0334		4.4527	0.7391	0.7571					<20			15		<2	<2	ICP-26-S
Central	202736	<2	48	<10	154	<2	4	45	1828	10.963	31				84	3	54		120	4.382			17	1.7145	43	0.297		6.2281	1.6667	0.3708					<20			22		<2	<2	ICP-26-S
Central	202737	<2	43	<10	146	2.6	4	40	2129	10.585	29				99	3	42		99	4.7871			14	1.6156	154	0.1355		6.0446	1.8345	0.583					<20			21		<2	<2	ICP-26-S
Central	202738	<2	32	<10	150	<2	3	42	1826	10.586	30				68	3	36		103	5.6619			20	1.5989	127	0.2951		5.8473	0.1414	0.4944					<20			24		<2	<2	ICP-26-S

Appendix C: Geochemical Data – SRK Samples

Appendix C-1: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2007 Doris Central Program

Zone	Lab ID	Paste pH	Total S	Sulphate	TIC (Direct)	Sobek NP	Modified NP	Fizz
			(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t	kg$CaCO_3$/t	
Central	178701	8.86	0.12	<0.01	12.63	241.8	178.1	Strong
Central	178702	8.4	0.13	<0.01	11.24		181.3	Strong
Central	178703	8.48	0.15	<0.01	7.79		139.4	Strong
Central	178704	9.68	0.14	<0.01	3.83		83.0	Strong
Central	178705	8.52	0.16	<0.01	7.28		149.7	Strong
Central	178706	8.79	3.11	<0.01	13.22		193.1	Strong
Central	178707	8.51	7.23	0.01	14.5		225.0	Strong
Central	178708	8.65	0.16	<0.01	10.62		163.8	Strong
Central	178709	8.99	0.29	<0.01	15.2		185.0	Strong
Central	178710	8.5	0.14	<0.01	7.61	243.7	156.9	Strong
Central	178711	8.59	0.25	<0.01	1.62		29.3	Moderate
Central	178712	8.72	4.39	0.01	13.66		209.4	Strong
Central	178713	9.28	0.2	<0.01	19.23		311.3	Strong
Central	178714	8.68	0.36	<0.01	8.89		131.9	Strong
Central	178715	8.15	4.16	0.01	4.02		98.4	Moderate
Central	178716	8.49	0.38	<0.01	11.28		179.4	Strong
Central	178717	8.67	3.02	0.01	7.35		119.5	Strong
Central	178718	8.83	0.83	<0.01	15.42		185.0	Strong
Central	178719	8.5	0.09	<0.01	0.15		2.7	Slight
Central	178720	7.95	0.02	<0.01	0.1	1.6	2.0	None
Central	178721	9.29	0.19	<0.01	13.22		233.8	Strong
Central	178722	8.84	1.79	<0.01	10.14		173.1	Strong
Central	178723	9.07	0.09	<0.01	16.15		195.0	Strong
Central	178724	8.94	0.14	<0.01	12.96		167.5	Strong
Central	178725	8.91	1.63	<0.01	14.69		182.5	Strong
Central	178726	8.75	0.61	<0.01	1.24		20.3	Moderate
Central	178727	9.04	2.22	<0.01	15.71		285.0	Strong
Central	178728	8.67	0.54	<0.01	1.77		30.8	Moderate
Central	178729	8.54	1.28	<0.01	14.83		271.3	Strong
Central	178730	8.59	0.16	<0.01	11.35	268.3	188.1	Strong
Central	178731	8.77	0.15	<0.01	13.51		193.8	Strong
Central	178732	8.78	0.15	<0.01	13.22		180.0	Strong
Central	178733	8.43	0.14	<0.01	10.4		160.0	Strong
Central	178734	8.43	0.16	<0.01	11.39		165.0	Strong
Central	178735	8.54	0.23	<0.01	11.61		150.0	Strong
Central	178736	8.81	0.27	<0.01	12.6		172.5	Strong
Central	178737	8.87	0.15	<0.01	13.22		168.8	Strong
Central	178738	8.81	0.47	<0.01	8.97		159.4	Strong
Central	178739	8.78	1.65	<0.01	6.07		117.1	Strong
Central	178740	8.97	0.17	<0.01	10.4	241.2	177.5	Strong
Central	178741	9.2	0.4	<0.01	12.89		119.9	Moderate
Central	178742	9.15	2.64	<0.01	15.71		188.1	Moderate
Central	178743	9.33	0.85	<0.01	14.91		325.2	Strong
Central	178744	9.17	0.37	0.01	2.2		77.4	Strong
Central	178745	9.22	0.52	<0.01	14.76		223.6	Strong
Central	178746	8.7	6.25	<0.01	13.62		220.8	Strong
Central	178747	9.17	1.47	<0.01	16.67		272.1	Strong
Central	178748	9.31	0.11	<0.01	15.13		315.0	Strong
Central	178749	9.39	0.25	<0.01	17.88		310.6	Strong

Appendix C-1: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2007 Doris Central Program

Zone	Lab ID	Paste pH	Total S	Sulphate	TIC (Direct)	Sobek NP	Modified NP	Fizz
			(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t	kg$CaCO_3$/t	
Central	178750	9.13	0.63	<0.01	8.97	190.8	148.7	Moderate
Central	178751	9.25	0.12	0.04	13.7		230.4	Strong
Central	178752	9.33	0.18	<0.01	14.06		206.2	Strong
Central	178753	8.89	0.12	0.02	10.14		122.5	Moderate
Central	178754	9.01	0.13	<0.01	10.4		194.3	Strong
Central	178755	8.92	1.33	0.01	11.86		182.5	Strong
Central	178756	8.62	0.18	0.11	8.42		150.2	Strong
Central	178757	9.21	0.14	<0.01	15.49		191.2	Strong
Central	178758	9.14	0.14	<0.01	15.79		193.7	Strong
Central	178759	9.26	0.61	<0.01	19.16		319.7	Strong
Central	178760	9.02	0.43	<0.01	2.11	39.7	35.9	Moderate
Central	178761	9.14	0.49	0.03	10.21		170.1	Strong
Central	178762	9.13	1.6	<0.01	14.32		189.4	Strong
Central	178763	9.04	1.66	<0.01	15.2		203.0	Strong
Central	178764	8.94	2.33	<0.01	14.21		206.5	Strong
Central	178765	9.12	1.11	<0.01	14.61		185.0	Strong
Central	178766	9.06	2.17	<0.01	12.49		185.6	Strong
Central	178767	9.02	3.14	<0.01	14.87		229.8	Strong
Central	178768	8.86	0.25	<0.01	13.64		44.2	Moderate
Central	178769	9.02	1.69	<0.01	2.81		184.4	Strong
Central	178770	9.11	0.2	<0.01	16.39	270.5	189.4	Strong
Central	178771	8.89	0.43	<0.01	14.59		173.2	Strong
Central	178772	8.73	1.65	<0.01	15.91		244.4	Strong
Central	178773	9.09	0.58	<0.01	21.41		330.0	Strong
Central	178774	8.98	0.73	<0.01	13.64		149.9	Strong
Central	178775	9.22	0.12	<0.01	15.47		183.8	Strong
Central	178776	9.08	0.37	<0.01	16.46		149.9	Strong
Central	178777	9.16	1.38	<0.01	11.59		270.2	Strong
Central	178778	8.92	1.54	<0.01	11.62		168.2	Strong
Central	178779	8.42	9.38	0.01	10.78		185.0	Strong
Central	178780	8.69	3.39	<0.01	5.1	97.6	87.8	Moderate
Central	178781	8.72	1.38	<0.01	7.92		144.8	Moderate
Central	178782	9.02	0.15	<0.01	15.95		174.4	Strong
Central	178783	8.79	0.15	<0.01	11.66		167.6	Strong
Central	178784	9.18	0.17	<0.01	14.56		175.7	Strong
Central	178785	9.27	0.09	<0.01	16.1		168.2	Strong
Central	178786	9.17	0.08	<0.01	13.64		128.7	Strong
Central	178787	9.12	0.59	<0.01	17.45		199.3	Strong
Central	178788	8.71	2.74	<0.01	12.03		173.2	Strong
Central	178789	8.77	1.48	<0.01	5.54		93.6	Moderate
Central	178790	8.51	0.09	<0.01	10.45	258.7	168.8	Strong
Central	178791	8.57	0.14	<0.01	8.18		141.8	Strong
Central	178792	8.87	0.2	<0.01	13.24		199.3	Strong
Central	178793	8.9	1.95	<0.01	15.91		275.2	Strong
Central	178794	8.8	0.33	<0.01	0.78		29.0	Moderate
Central	178795	9.28	0.28	<0.01	1.93		63.7	Strong
Central	178796	9.2	0.48	<0.01	2.06		55.0	Strong
Central	178797	8.5	2.97	0.01	5.9		131.2	Strong
Central	178798	9.61	0.22	<0.01	0.35		24.3	Slight

Appendix C-1: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2007 Doris Central Program

Zone	Lab ID	Paste pH	Total S	Sulphate	TIC (Direct)	Sobek NP	Modified NP	Fizz
			(Wt.%)	(Wt.%)	(Wt.%CO_2)	kg$CaCO_3$/t	kg$CaCO_3$/t	
Central	178799	8.95	1	<0.01	5.79		133.7	Strong
Central	178800	8.59	0.09	0.01	8.8	241.3	175.1	Strong
Central	178801	8.64	0.09	<0.01	5.94		107.9	Strong
Central	178802	8.68	0.1	<0.01	6.75		119.1	Strong
Central	178803	8.53	0.12	<0.01	8.29		140.5	Strong
Central	178804	8.8	0.19	0.01	14.92		231.7	Strong
Central	178805	8.8	0.07	<0.01	11.37		188.1	Strong
Central	178806	8.49	0.19	<0.01	10.89		178.2	Strong
Central	178807	8.96	0.46	<0.01	13.42		201.8	Strong
Central	178808	8.38	1.76	0.01	3.12		73.7	Strong
Central	178809	8.73	1.38	0.01	2.1		56.9	Strong
Central	178810	9.06	0.82	0.01	1.44	218.9	44.5	Strong
Central	178811	8.73	0.18	<0.01	16.68		176.9	Strong
Central	178812	8.65	0.16	<0.01	17.23		178.8	Strong
Central	178813	8.55	3.89	<0.01	16.61		241.0	Strong
Central	178814	9	1.19	<0.01	18.37		245.6	Strong
Central	178815	8.75	0.17	<0.01	10.63		176.9	Strong
Central	178816	9.05	0.02	<0.01	2.27		58.1	Strong
Central	178817	8.49	0.28	<0.01	14.67		143.3	Strong
Central	178818	8.82	2.06	<0.01	12.87		186.9	Strong
Central	178819	9.1	0.66	<0.01	16.17		186.3	Strong
Central	178820	9.07	0.1	<0.01	18.3	337.1	220.1	Strong
Central	178821	8.85	0.11	<0.01	13.86		174.1	Strong
Central	178822	8.95	0.15	<0.01	14.63		181.6	Strong
Central	178823	8.75	1.78	<0.01	14.78		201.7	Strong
Central	178824	8.69	0.61	<0.01	10.89		190.9	Strong
Central	178825	8.67	0.21	<0.01	13.35		173.5	Strong
Central	178826	8.92	0.52	<0.01	15.62		139.7	Strong
Central	178827	8.95	0.13	<0.01	16.98		202.8	Strong
Central	178828	8.82	0.02	<0.01	0.18		4.1	slight

Appendix C-2: Geochemical Data - SRK Samples
Multi-element ICP data, 2007 Doris Central Program

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	Ga	Se	Te	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	ppm	ppm	ppm	
Central	178701	2.2	24.64	2.09	102.1	31	2.2	25.1	2347	9.03	4.1	0.1	3.2	0.3	58.7	0.09	0.04	0.04	30	5.35	0.081	3.3	30.1	1.43	6.7	0.002	23	1.67	0.02	0.05	0.1	6	<0.001	10.2	0.02	6.8	0.2	0.03	aqua regia
Central	178702	1.82	28.98	0.7	100.1	19	1.8	29.7	2255	9.35	0.3	0.1	0.4	0.2	65.5	0.12	0.02	0.02	47	5.22	0.074	2.4	20.9	1.49	9.4	0.005	30	2.1	0.013	0.04	0.1	5	<0.001	13.4	0.02	10.9	0.2	0.02	aqua regia
Central	178703	1.17	29.98	0.6	124.4	16	2	33.1	2177	10.56	0.2	0.1	0.6	0.2	62.9	0.1	0.02	0.02	66	4.4	0.08	2.4	14.2	1.59	9.3	0.008	31	3.09	0.01	0.03	0.1	5	<0.001	16.2	0.02	15	0.3	0.02	aqua regia
Central	178704	1.12	98.25	2.17	54.1	40	108.4	30.5	814	4.4	1	0.2	1.8	1	58.5	0.07	0.02	0.04	104	3.03	0.045	6.8	91.5	2.64	15.8	0.116	38	2.6	0.277	0.1	0.1	5	<0.001	5.8	0.04	7.5	0.2	0.02	aqua regia
Central	178705	1.07	36.46	1.05	128.3	27	3.3	33.5	1933	10.63	0.2	0.1	0.2	0.2	64.3	0.09	0.02	0.02	71	5.64	0.087	2.2	13.8	1.56	13	0.015	32	3.81	0.012	0.05	0.1	5	<0.001	18.8	0.02	16.8	0.2	0.02	aqua regia
Central	178706	3.51	61.53	2.71	51.8	438	4.3	27.1	1645	8.18	33.7	0.1	1081	0.2	29	0.1	0.12	0.22	7	5.62	0.074	0.9	35.2	1.31	4.9	0.001	31	0.22	0.028	0.04	0.2	5	<0.001	6	0.02	0.9	1.3	0.15	aqua regia
Central	178707	3.71	150.5	4.85	42	1292	6.4	49.1	2102	11.86	104.5	0.1	1062	0.2	44.2	0.15	0.15	0.55	7	6.94	0.13	2	35.4	1.82	9	0.002	31	0.57	0.042	0.09	0.2	5	<0.001	9.8	0.02	1.7	3.5	0.66	aqua regia
Central	178708	1.55	28.37	2.69	103.5	28	1	27.9	1912	9.66	9.4	0.1	3.8	0.3	34.4	0.08	0.26	0.03	47	5.16	0.083	4.2	18.5	1.38	2.2	0.017	20	2.53	0.022	0.02	0.1	5	<0.001	16	0.02	10.7	0.3	0.02	aqua regia
Central	178709	1.07	32.85	0.83	108.9	23	1.7	30.9	2122	9.48	3.7	0.1	8.4	0.3	43.3	0.11	0.02	0.04	14	5.76	0.086	2.1	12.2	1.34	9.7	0.001	20	0.97	0.044	0.05	0.1	5	<0.001	9.6	0.02	2.9	0.3	0.03	aqua regia
Central	178710	2.37	14.62	0.86	110.5	29	12.1	29.9	1672	10	1	0.1	3.9	0.6	23.2	0.02	0.02	0.03	53	4.12	0.09	6.2	71.4	2.62	12.6	0.002	23	3.57	0.03	0.07	0.1	5	<0.001	10.6	0.02	8.6	0.3	0.02	aqua regia
Central	178711	10.14	5.42	0.94	10.3	80	6	3.5	257	1.09	8.3	0.1	119.1	0.1	6.9	0.03	0.05	0.03	3	0.8	0.005	0.5	125.5	0.25	1.4	0.001	33	0.11	0.009	0.01	0.1	5	<0.001	1.7	0.02	0.3	0.1	0.05	aqua regia
Central	178712	5.68	92.53	3.62	77.7	3240	18.4	27.3	1849	8.68	59.6	0.1	9792	0.2	35	0.22	0.09	0.31	7	5.58	0.064	0.7	61.1	1.54	4.8	0.001	32	0.16	0.028	0.05	0.1	5	<0.001	8	0.02	0.7	1.7	0.93	aqua regia
Central	178713	1.43	84.61	1.11	48.7	68	94.6	41.5	1639	6.33	83.8	0.1	100.4	0.1	47.7	0.13	0.03	0.02	21	8.19	0.016	0.6	34.7	2.77	4.5	0.001	20	0.3	0.054	0.05	0.1	5	<0.001	12	0.02	0.7	0.6	0.06	aqua regia
Central	178714	2.2	29.45	0.74	124	131	1.2	29.9	1313	10.44	3	0.1	420.7	0.2	25.1	0.11	0.06	0.04	49	3.7	0.078	2.1	20.6	1.81	4	0.003	29	3.1	0.015	0.06	0.1	5	<0.001	16	0.02	13.4	0.7	0.02	aqua regia
Central	178715	3.94	203.3	2.8	117.6	1322	9.5	42.4	1001	13.52	8.2	0.1	5751	0.4	8.7	0.03	0.12	0.32	44	1.91	0.079	2.9	70.1	2.1	5.8	0.003	31	4.28	0.013	0.07	0.1	7	<0.001	13.4	0.02	10.7	4	0.22	aqua regia
Central	178716	1.56	34.32	2.08	103.3	37	1.7	25.5	2612	10.67	0.7	0.1	37.8	0.2	46.1	0.15	0.1	0.07	47	5.47	0.089	1.9	19.9	1.77	7.2	0.004	21	2.66	0.017	0.05	0.1	5	<0.001	13.6	0.02	11.6	0.5	0.06	aqua regia
Central	178717	8.87	64.34	5.64	36.9	2025	2.3	14.2	1160	4.99	24	0.1	7245	0.1	20	0.08	0.07	0.29	4	3.11	0.045	0.5	105.1	0.82	5	0.001	27	0.17	0.024	0.04	0.1	5	<0.001	4.5	0.02	0.8	1.4	0.15	aqua regia
Central	178718	3.12	61.35	2.65	77.8	234	0.9	25.2	2014	8.7	10.9	0.1	618.3	0.2	32.3	0.11	0.04	0.07	6	5.37	0.076	1.2	32.3	1.34	6.9	0.001	25	0.2	0.042	0.07	0.1	5	<0.001	8.2	0.02	0.7	0.4	0.03	aqua regia
Central	178719	10.73	2.64	1.18	5.6	33	2.9	1.1	37	0.29	2.6	0.1	62.1	0.1	1.5	0.03	0.04	0.02	2	0.07	0.002	0.5	129.8	0.02	0.7	0.001	29	0.02	0.006	0.01	0.1	5	<0.001	0.2	0.02	0.1	0.1	0.02	aqua regia
Central	178720	11.11	2.38	1.51	5.3	14	3.1	0.7	32	0.22	0.5	0.1	3	0.1	1.7	0.02	0.11	0.02	2	0.05	0.001	0.5	152	0.02	0.8	0.001	27	0.01	0.005	0.01	0.1	5	<0.001	0.1	0.02	0.1	0.1	0.02	aqua regia
Central	178721	2.09	22.86	1.99	76.6	34	22.6	30.1	1261	5.59	26	0.1	12.9	1.2	110.3	0.13	0.04	0.06	35	5.86	0.089	11.7	60.1	2.98	15.2	0.001	20	1.83	0.043	0.07	0.1	6	<0.001	10.4	0.02	3.1	0.2	0.04	aqua regia
Central	178722	10.06	30.92	3.86	30.1	2033	32.7	25.8	1094	4.49	43.5	0.1	3190	0.1	33.7	0.1	0.13	0.45	7	4.32	0.018	0.5	112.8	1.32	4.8	0.001	39	0.1	0.02	0.03	0.1	5	<0.001	6.1	0.02	0.3	1	0.74	aqua regia
Central	178723	2.29	29.79	0.68	85.3	23	2.2	28.8	2160	9.31	11.5	0.1	8.1	0.3	34.5	0.08	0.02	0.02	9	5.63	0.084	2.5	23.9	1.53	5.4	0.001	32	0.32	0.047	0.04	0.1	5	<0.001	9.2	0.02	1.3	0.3	0.02	aqua regia
Central	178724	2.33	25	0.87	73.8	16	1.2	24.6	2093	9.2	4.6	0.1	2.3	0.4	37.2	0.09	0.02	0.02	10	4.97	0.086	2.9	27.9	1.43	9.1	0.001	30	1.21	0.053	0.06	0.1	5	<0.001	10.1	0.02	2.9	0.4	0.02	aqua regia
Central	178725	3.89	60.61	1.47	57.2	169	1.8	26.3	2036	8.73	13.5	0.1	688.7	0.2	25.4	0.1	0.04	0.11	8	5.21	0.067	0.8	41.9	1.46	6.2	0.001	31	0.32	0.04	0.05	0.1	5	<0.001	8.1	0.02	1.3	1	0.05	aqua regia
Central	178726	12.28	15.21	0.49	5.3	525	3.8	6.3	200	1.04	7.7	0.1	2345	0.1	3.5	0.02	0.04	0.04	2	0.53	0.003	0.5	146	0.16	1.6	0.001	34	0.04	0.009	0.01	0.1	5	<0.001	0.9	0.02	0.2	0.3	0.06	aqua regia
Central	178727	5.75	91.23	2.92	39.9	1728	72.1	44.7	2063	6.4	84	0.1	5282	0.1	30.8	0.13	0.06	0.29	11	6.58	0.011	0.5	75.7	2.07	4.5	0.001	28	0.3	0.041	0.05	0.1	5	<0.001	7.9	0.02	0.8	0.8	0.39	aqua regia
Central	178728	13.17	7.18	1.34	8	267	9.6	4.2	336	1.28	9.9	0.1	376.2	0.1	3.2	0.02	0.05	0.05	4	0.8	0.003	0.5	160.9	0.31	1.5	0.001	33	0.13	0.009	0.01	0.1	5	<0.001	2	0.02	0.4	0.2	0.12	aqua regia
Central	178729	3.97	161.6	2.48	24.3	291	32.4	35.7	2821	7.08	71.5	0.1	315.7	0.9	24.3	0.03	0.07	0.19	26	6.76	0.08	3.9	70.3	3.05	14.8	0.001	32	1.47	0.042	0.11	0.1	5	<0.001	11.9	0.02	3.8	0.4	0.18	aqua regia
Central	178730	2.32	27.38	0.71	102.3	16	2.9	26.7	2160	9.38	2.5	0.1	0.3	0.3	54.7	0.08	0.02	0.02	37	5.1	0.082	2.8	31.9	1.58	8.9	0.003	20	2.25	0.023	0.06	0.1	5	<0.001	11.7	0.02	9.1	0.3	0.04	aqua regia
Central	178731	2.2	37.55	0.76	92	23	2.5	25.4	2512	9.21	5	0.1	1.9	0.3	68.4	0.11	0.04	0.02	28	5.96	0.087	3	29	1.63	8.2	0.002	21	1.7	0.027	0.06	0.1	5	<0.001	10.8	0.02	6.5	0.4	0.02	aqua regia
Central	178732	1.41	29.99	0.62	107.3	27	2.1	28.6	2407	9.64	1.4	0.1	0.4	0.3	68.2	0.16	0.02	0.03	27	5.42	0.081	3.2	17.8	1.52	11.3	0.002	22	1.58	0.02	0.06	0.1	5	<0.001	9.4	0.02	6.3	0.5	0.02	aqua regia
Central	178733	1.55	44.61	0.55	119	15	2.1	31.6	2262	10.05	0.1	0.1	4.1	0.2	61.8	0.11	0.02	0.02	58	4.55	0.072	2.4	18.8	1.5	8	0.006	30	2.51	0.016	0.03	0.1	5	<0.001	16.6	0.02	12.7	0.1	0.02	aqua regia
Central	178734	1.12	37.92	0.64	122.2	23	1.1	29.1	2192	9.79	1.3	0.1	9.8	0.2	44.9	0.13	0.02	0.02	39	4.98	0.076	2.1	11.5	1.38	6.7	0.004	30	2.13	0.015	0.03	0.1	5	<0.001	13.6	0.02	10.2	0.2	0.02	aqua regia
Central	178735	1.3	30.64	0.79	120.8	19	1	31.5	1866	9.56	2.8	0.1	6.4	0.2	38.4	0.11	0.03	0.02	35	4.39	0.074	2.1	12.5	1.27	5.6	0.003	29	1.9	0.027	0.03	0.3	5	<0.001	14.1	0.02	9.5	0.2	0.02	aqua regia
Central	178736	1.17	25.36	2.62	117.5	25	0.9	29.3	2387	10.49	4.9	0.1	14.9	0.2	39.2	0.09	0.23	0.02	36	4.98	0.09	1.7	14.4	1.53	5.3	0.002	20	2	0.037	0.04	8	5	<0.001	13.5	0.02	9.1	0.3	0.02	aqua regia
Central	178737	1.38	34.17	0.63	122.1	13	0.9	30.3	2337	10.87	4.4	0.1	2.5	0.3	37.8	0.09	0.03	0.02	32	5.07	0.092	2.2	14.4	1.54	6.7	0.002	20	1.82	0.036	0.05	0.1	5	<0.001	12.2	0.02	8.4	0.3	0.02	aqua regia
Central	178738	1.44	29.42	11.26	126.3	82	1.5	31.6	2062	10.05	4.1	0.1	322.9	0.2	49.1	0.11	1.07	0.05	37	5.03	0.087	1.4	15.2	1.47	14	0.003	20	2.4	0.023	0.05	0.1	5	<0.001	11.7	0.02	10.5	0.6	0.04	aqua regia
Central	178739	4.53	53.84	2.23	58.1	2964	5.1	19.1	1029	5.74	20.4	0.1	20009	0.2	52.2	0.11	0.11	0.24	22	3.24	0.065	1.2	64.1	1.19	8.4	0.002	20	1.15	0.022	0.04	0.1	5	<0.001	7.3	0.02	4.3	1.1	0.09	aqua regia
Central	178740	1.86	22.23	1.76	66	20	21.2	29.6	1144	5.35	1.5	0.1	28.4	0.9	101.2	0.09	0.05	0.06	79	4.46	0.083	8.2	129.4	3.05	12.7	0.004	20	2.13	0.031	0.05	0.1	5	<0.001	10.2	0.02	7.7	0.1	0.02	aqua regia
Central	178741	1.7	55.69	1.63	84.8	47	0.9	29.3	2094	9.62	15.8	0.1	18	0.2	89.3	0.15	0.09	0.03	24	3.32	0.085	1.9	20.3	1.57	4.9	0.002	20	0.68	0.045	0.07	0.1	5	<0.001	14.2	0.02	4.2	0.3	0.02	aqua regia
Central	178742	2.24	106.8	5.61	166.4	455	0.9	36.7	2093	10.66	36	0.1	594.9	0.2	32.7	0.33	0.14	0.22	9	4.59	0.092	1.1	25.6	1.87	9.2	0.001	20	0.37	0.075	0.07	0.1	5	<0.001	11	0.02	1.4	1.4	0.09	aqua regia
Central	178743	1.23	70.84	1.23	27.8	128	96.5	40.8	1385	6.03	90.3	0.1	32.9	0.1	53.4	0.05	0.1	0.12	40	9.15	0.015	1.7	49.1	2.66	5	0.002	20	1.45	0.033	0.07	0.1	5	<0.001	9.3	0.02	2.8	0.4	0.17	aqua regia
Central	178744	1.78	27.25	3.16	114.7	56	1.8	29.2	1083	10.51	8	0.1	32	0.3	9.9	0.18	0.11	0.03	88	2.4	0.091	3.4	20.8	2.45	4.4	0.201	20	3.53	0.05	0.04	0.5	5	<0.001	17	0.02	18.3	0.4	0.02	aqua regia
Central	178745	2.42	57.67	2.01	138.5	99	2	25.2	2359	8.98	16.9	0.1	145	0.2	30	0.39	0.04	0.05	8	5.91	0.083	1.3	28.5	1.84	13.5	0.001	20	0.32	0.048	0.07	0.1	5	<0.001	9.2	0.02	1.2	0.5	0.08	aqua regia
Central	178746	4.82	372.9	5.21	39.6	1942	76.4	58.2	2150	10.67	114.4	0.1	1013	0.2	34.1	0.13	0.26	1.51	9	6.18	0.035	0.8	54.5	2.03	2.3	0.001	20	0.21	0.015	0.02	0.2	5	<0.001	4	0.02	0.7	5.9	1.38	aqua regia
Central	178747	2.42	94.47	2.55	83	752	76.6	46.9	3167	11.13	74.8	0.1	317.8	0.1	37.3	0.18	0.13	0.22	29	7.28	0.02	0.5	49.3	2.64	5.1	0.001	20	0.85	0.037	0.05	0.1	5	<0.001	10.1	0.02	1.9	1.1	0.44	aqua regia
Central	178748	0.85	76.41	4.77	65.1	48	104	42.3	1486	6.8	38.1	0.1	3.6	0.1	27.4	0.1	0.37	0.02	53	7.83	0.016	0.5	70.8	3.3	2.8	0.001	20	1.41	0.05	0.03	0.1	5	<0.001	14	0.02	3.7	0.2	0.03	aqua regia
Central	178749	1.72	73.07	1.12	46.7	91	91.8	45.9	1440	5.99	62.9	0.1	43	0.1	44.4	0.09	0.07	0.02	33	7.85	0.016	0.5	54.3	3.01	4.1	0.001	20	0.95	0.055	0.05	0.1	5	<0.001	12.1	0.02	2.1	0.2	0.04	aqua regia
Central	178750	6.35	18.78	15.82	19.1	352	22.3	13.9	1033	3.02	26.5	0.1	912.6	0.2	46	0.06	1.59	0.09	8	3.91	0.028	1.1	84.2	1.44	5.3	0.001	20	0.2	0.028	0.04	0.1	5	<0.001	5.1	0.02	0.5	0.2	0.16	aqua regia
Central	178751	1.66	25.26	1.02	70.9	24	1.8	29.3	2113	9.47	17.9	0.1	10.5	0.2	40.3	0.09	0.04	0.02	20	6.05	0.087	1.4	18.6	1.74	4.7	0.001	20	1.55	0.033	0.05	0.1	5	<0.001	11.3	0.02	4.6	0.4	0.02	aqua regia
Central	178752	1.73	41.97	0.91	67	18	1.4	26.4	2174	8.57	3.2	0.1	3.1	0.2	44	0.06	0.03	0.03	11	5.59	0.087	1.8	18.4	1.44	7.9	0.001	20	0.56	0.046	0.04	0.1	5	<0.001	9.6	0.02	1.7	0.4	0.02	aqua regia
Central	178753	1.15	22.19	0.68	130.8	11	1.2	27.1	1896	9.13	0.9	0.1	0.2	0.2	44.2	0.12	0.03	0.02	51	4.01	0.08	2	13.8	1.29	5.4	0.003	20	2.14	0.02	0.02	0.1	5	<0.001	15.4	0.02	12.1	0.5	0.02	aqua regia
Central	178754	1.1	23.94	1.16	134.7	25	1.3	27.1	2329	9.35	1.5	0.1	0.6	0.2	47	0.12	0.02	0.02	38	5.16	0.088	1.9	12.3	1.58	6.7	0.002	20	1.87	0.027	0.04	0.1	5	<0.001	14.4	0.02	8.8	0.4	0.02	aqua regia
Central	178755	1.36	34.26	2.24	115.1	100	1.5	33.3	2247	9.94	35.2	0.1	83.6	0.1	50.2	0.14	0.05	0.05	33	5.03	0.085	0.9	14.5	1.62	10.9	0.002	20	1.71	0.035	0.06	0.1	5	<0.001	13.2	0.02	7.8	0.6	0.02	aqua regia
Central	178756	1.02	33.01	0.71	123.9	36	0.7	32.4	2049	10.3	0.5	0.1	0.4	0.2	41.1	0.08	0.02	0.03	76	4.08	0.083	2.1	10.4	1.92	2.7	0.007	20	3.25	0.015	0.01	0.1	7	<0.001	21.8	0.02	17.2	0.7	0.02	aqua regia

Appendix C-2: Geochemical Data - SRK Samples
Multi-element ICP data, 2007 Doris Central Program

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	Ga	Se	Te	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	ppm	ppm	ppm	
Central	178757	1.02	22.57	0.61	79.6	18	1.4	26.5	2232	9.4	8.1	0.1	10.4	0.2	31.6	0.07	0.03	0.02	14	5.34	0.083	1.8	11.2	1.68	8.1	0.001	20	0.71	0.046	0.06	0.1	5	<0.001	9	0.02	2.3	0.3	0.02	aqua regia
Central	178758	1.19	22.08	0.66	76.7	21	0.4	24.9	1942	8.73	11.2	0.1	0.6	0.2	34.7	0.09	0.05	0.02	8	5.24	0.081	1.6	12.7	1.29	8.4	0.001	20	0.3	0.046	0.05	0.1	5	<0.001	7.9	0.02	1.2	0.3	0.02	aqua regia
Central	178759	1.29	64.13	1.2	47.6	95	79.4	38.1	1715	6.28	77.9	0.1	23.2	0.1	49.6	0.11	0.05	0.03	22	8.2	0.014	0.5	27.3	2.55	6	0.001	20	0.25	0.028	0.06	0.1	5	<0.001	7.8	0.02	0.5	0.4	0.08	aqua regia
Central	178760	6.71	9.02	1.19	7.1	393	10.3	5.3	263	1.13	15.3	0.1	226.3	0.2	12.4	0.03	0.07	0.11	4	0.98	0.016	0.6	84.6	0.3	3.1	0.001	20	0.08	0.015	0.03	0.1	5	<0.001	1.6	0.02	0.2	0.1	0.28	aqua regia
Central	178761	1.63	28.44	0.85	75.3	341	2.7	27.6	1734	9.09	14.3	0.1	1414	0.2	26	0.09	0.03	0.04	26	4.44	0.088	1.1	18	1.61	4	0.001	20	1.9	0.03	0.04	0.1	5	<0.001	11.3	0.02	6.2	0.5	0.05	aqua regia
Central	178762	3.17	30.52	2.34	69.4	351	1.4	20.3	1946	8.5	11.4	0.1	1958	0.1	28.8	0.14	0.08	0.14	8	5.07	0.069	0.6	35.8	1.47	4.9	0.001	20	0.21	0.029	0.04	0.2	5	<0.001	7.1	0.02	0.8	1	0.13	aqua regia
Central	178763	2.34	31.69	4.03	55	140	4.3	23.7	1749	8.12	26	0.1	138.1	0.1	28.3	0.12	0.11	0.03	11	5.56	0.089	0.6	17.6	1.45	4.3	0.001	20	0.16	0.033	0.04	0.3	5	<0.001	7	0.02	0.5	0.9	0.05	aqua regia
Central	178764	3.32	32.09	3.51	58.8	236	2.7	22.4	1753	7.47	28.4	0.1	44.2	0.1	26.5	0.16	0.09	0.29	6	5.74	0.055	0.5	36.7	1.41	3.8	0.001	20	0.15	0.029	0.04	0.2	5	<0.001	5.9	0.02	0.5	1	0.13	aqua regia
Central	178765	1.41	39.08	1.76	57.3	83	1.3	26.9	1849	8.61	22.2	0.1	8.4	0.2	23.8	0.08	0.05	0.11	7	5.29	0.089	0.7	15.4	1.38	6.6	0.001	20	0.2	0.04	0.06	0.1	5	<0.001	7.5	0.02	0.6	0.6	0.04	aqua regia
Central	178766	4.17	53.86	2.51	44.1	1972	2.7	19.9	1774	6.96	15.9	0.1	7551	0.1	26.6	0.11	0.08	0.17	6	5.12	0.073	0.6	47.9	1.41	6	0.001	20	0.17	0.03	0.04	0.4	5	<0.001	5.5	0.02	0.6	1.2	0.1	aqua regia
Central	178767	1.6	46.7	2.47	57	173	0.8	26	2183	9.31	73.6	0.1	27.8	0.2	33.7	0.12	0.08	0.15	9	6.6	0.086	0.6	16.5	1.76	5.7	0.001	20	0.67	0.032	0.06	0.1	5	<0.001	8.7	0.02	2.1	0.8	0.09	aqua regia
Central	178768	1.34	30.92	188.4	109.8	120	5.7	28.8	2153	9.41	6.3	0.1	7.8	0.3	40.5	0.13	19.42	0.12	25	5.13	0.091	2.6	16.5	1.65	9.9	0.002	20	1.34	0.036	0.06	0.1	5	<0.001	12.8	0.02	5.2	0.2	0.02	aqua regia
Central	178769	10.74	16.74	4.21	14.6	383	14.7	12.2	351	2.38	41.9	0.1	899	0.1	12.6	0.09	0.16	0.19	3	1.28	0.008	0.5	138.3	0.38	3.1	0.001	20	0.06	0.018	0.02	0.1	5	<0.001	2	0.02	0.2	0.8	0.18	aqua regia
Central	178770	1.48	26.56	1.69	97.3	28	2	32.6	2317	10.2	28.9	0.1	38.6	0.3	35.2	0.14	0.09	0.03	9	5.45	0.095	2.4	17.3	1.52	41.6	0.001	20	0.25	0.061	0.04	0.1	5	<0.001	9.6	0.02	1	0.2	0.02	aqua regia
Central	178771	2.06	35.76	1.8	106.2	49	2.7	28.6	2110	9.36	10.1	0.1	33.8	0.2	30	0.14	0.1	0.06	18	5.06	0.087	1.5	26.2	1.35	7.7	0.001	20	0.64	0.05	0.04	0.1	5	<0.001	10.2	0.02	2.7	0.4	0.05	aqua regia
Central	178772	3.37	17.2	2.69	47	1342	14.5	22.7	1725	7.02	36.6	0.1	493.3	0.1	47.6	0.13	0.24	0.23	9	6.69	0.055	0.6	41.2	1.8	3	0.001	27	0.12	0.024	0.02	0.2	5	<0.001	8.1	0.02	0.4	0.9	0.7	aqua regia
Central	178773	0.96	94.29	2.48	80.8	77	76	46.5	1922	8	68.1	0.1	23.2	0.1	71.1	0.16	0.17	0.11	34	9.27	0.02	0.5	33.3	3.12	3.3	0.001	20	0.38	0.024	0.03	0.2	5	<0.001	12.4	0.02	1.2	0.4	0.06	aqua regia
Central	178774	1.84	51.35	2.45	77.4	147	4.2	32.7	1912	9.21	9	0.1	428.9	0.3	35.7	0.13	0.14	0.06	10	3.95	0.086	1.1	21.5	1.38	5.7	0.001	20	0.25	0.035	0.04	0.1	5	<0.001	8.7	0.02	1	0.5	0.06	aqua regia
Central	178775	1.15	28.36	1.5	116.5	39	1.3	28.6	2079	9.38	8.4	0.1	7.8	0.3	32.4	0.18	0.06	0.02	13	4.96	0.09	2.3	13	1.4	4.8	0.001	20	0.36	0.048	0.03	0.1	5	<0.001	10.9	0.02	1.5	0.1	0.02	aqua regia
Central	178776	0.89	84.97	1.75	58.3	43	69	44.4	1523	5.65	55.2	0.1	25.8	0.3	59.2	0.13	0.07	0.05	28	7.24	0.044	2	25.3	2.21	10.8	0.001	20	0.54	0.042	0.05	0.1	5	<0.001	9.2	0.02	1.2	0.2	0.02	aqua regia
Central	178777	1.39	41.39	2.15	115.3	73	2.6	37.5	1944	10.33	11.3	0.1	22.4	0.3	24.6	0.12	0.07	0.15	28	4.44	0.101	1.6	15.9	1.51	6.2	0.002	20	1.5	0.063	0.05	0.3	5	<0.001	12.8	0.02	5.3	0.6	0.03	aqua regia
Central	178778	2.95	64.49	2.21	66.8	930	2.3	26.8	1883	7.31	9	0.1	4558	0.1	29.4	0.17	0.08	0.09	9	5.36	0.08	0.9	37.1	1.31	5.2	0.001	20	0.42	0.038	0.04	0.3	5	<0.001	7.9	0.02	1.5	1.2	0.04	aqua regia
Central	178779	3.15	219.4	6.14	66	874	6.9	56	1857	14.2	136	0.1	991.2	0.2	37.1	0.15	0.14	1.08	12	5.46	0.106	0.8	38.5	1.56	8	0.001	20	0.75	0.051	0.08	0.2	5	<0.001	9.2	0.02	2.5	5.1	0.54	aqua regia
Central	178780	5.48	69.53	2.93	26.7	231	2.8	16	780	4.55	49.7	0.1	184.2	0.1	20.9	0.11	0.11	0.27	2	2.35	0.047	0.6	67.6	0.72	3.3	0.001	26	0.14	0.024	0.03	0.1	5	<0.001	2.9	0.02	0.4	1.7	0.11	aqua regia
Central	178781	1.19	75.93	2.14	83.5	127	5.5	30	1824	10.66	36.8	0.1	234.9	0.2	20.6	0.1	0.05	0.15	31	4.09	0.095	1.1	13.2	1.61	2.8	0.002	20	2.34	0.028	0.03	0.1	5	<0.001	13.7	0.02	6.9	0.6	0.07	aqua regia
Central	178782	3.06	26.04	1.34	94.1	28	1.8	29.5	2222	9.42	6.2	0.1	11.7	0.3	48.9	0.17	0.05	0.02	13	5.79	0.088	2.3	37.6	1.39	8.3	0.001	20	0.26	0.042	0.04	0.1	5	<0.001	10.9	0.02	1.2	0.1	0.02	aqua regia
Central	178783	0.97	33.45	4.7	122.1	32	1	28.5	2130	9.6	0.9	0.1	8.3	0.3	46.7	0.15	0.27	0.02	53	4.96	0.086	3	10.2	1.43	4.8	0.003	20	2.15	0.032	0.03	0.1	5	<0.001	19.2	0.02	12	0.2	0.02	aqua regia
Central	178784	2.25	38.18	1.69	196.8	40	1.8	29.7	1930	9.45	2.2	0.1	20.7	0.4	45.1	0.33	0.06	0.03	18	5.3	0.088	3.1	26.4	1.35	17	0.001	20	0.74	0.093	0.07	0.1	5	<0.001	10.5	0.02	3	0.3	0.02	aqua regia
Central	178785	12.75	26.46	0.78	85.8	29	5.1	30	2105	9.39	3.3	0.1	3.4	0.3	39.7	0.09	0.06	0.02	8	5.41	0.09	2.6	169.9	1.37	6.3	0.001	20	0.21	0.043	0.03	0.1	5	<0.001	10.5	0.02	0.7	0.1	0.02	aqua regia
Central	178786	1.2	40.89	1.21	145.7	28	1.7	31.3	2057	10.09	13	0.1	8.8	0.3	27.4	0.27	0.08	0.03	15	3.74	0.094	2	13.5	1.49	4.3	0.001	20	0.41	0.041	0.04	0.1	5	<0.001	9.7	0.02	1.8	0.2	0.02	aqua regia
Central	178787	1.22	32.29	2.31	102.4	65	1.8	27.6	2367	10.53	7.7	0.1	237.7	0.2	40.5	0.18	0.1	0.09	8	6.89	0.088	1.2	12.8	1.71	3.6	0.001	23	0.17	0.033	0.03	0.1	5	<0.001	9.8	0.02	0.7	0.4	0.04	aqua regia
Central	178788	3.47	60.06	2.6	40.6	513	3	23.2	2026	7.23	26.7	0.1	1880	0.2	35.9	0.11	0.08	0.59	5	6.03	0.07	0.7	40.3	1.39	6	0.001	20	0.22	0.032	0.04	0.1	5	<0.001	7.2	0.02	0.8	1.1	0.22	aqua regia
Central	178789	7.63	59.51	6.92	25.1	1011	19.1	18.8	683	3.24	40.4	0.1	2392	0.1	21.7	0.12	0.19	0.42	3	2.63	0.056	0.5	92.9	0.71	3.2	0.001	20	0.07	0.014	0.02	0.1	5	<0.001	5.2	0.02	0.3	0.7	0.34	aqua regia
Central	178790	1.61	24.67	1.35	118.3	17	2.3	31.9	2562	10.27	0.3	0.1	15.6	0.2	74.3	0.16	0.05	0.02	63	6.19	0.089	2.1	17	1.66	6	0.006	20	2.72	0.01	0.03	0.1	5	<0.001	18.8	0.02	13.9	0.3	0.02	aqua regia
Central	178791	1.18	26.81	1.62	135.5	15	2.1	34.5	2259	10.88	0.2	0.1	11.2	0.2	54	0.12	0.03	0.02	77	4.2	0.093	2.6	11.5	1.84	4.1	0.007	20	3.27	0.009	0.02	0.1	5	<0.001	20.5	0.02	16.4	0.1	0.02	aqua regia
Central	178792	0.9	43.55	1.62	93.6	26	1.5	33.1	2181	9.91	12.2	0.1	17	0.2	39.6	0.09	0.06	0.02	25	6.34	0.09	1.8	10.6	1.44	4.9	0.002	20	1.72	0.023	0.03	0.1	5	<0.001	12	0.02	5.6	0.2	0.02	aqua regia
Central	178793	1.96	43.04	2.67	52.3	396	56.5	32.6	1939	6.9	63.3	0.1	462.6	0.1	42.9	0.19	0.09	0.27	10	7.45	0.026	0.5	29	2.09	3	0.004	20	0.21	0.019	0.02	0.1	5	<0.001	9.1	0.02	0.8	0.8	0.2	aqua regia
Central	178794	0.72	34.46	5.06	38.6	30	5.1	32.5	1030	7.58	2.7	0.1	6.4	0.5	14.5	0.01	0.06	0.05	56	1.4	0.099	3.7	7.4	1.79	14.9	0.279	20	2.4	0.128	0.07	0.2	5	<0.001	5.3	0.02	16.4	0.5	0.02	aqua regia
Central	178795	0.85	23.53	5.29	53.3	21	3.6	27	1143	6.84	3.4	0.1	8.7	0.5	16.7	0.01	0.06	0.04	46	2.37	0.092	4.1	5.9	2.77	22.6	0.279	20	2.68	0.191	0.11	0.2	5	<0.001	4.8	0.02	12.1	0.3	0.02	aqua regia
Central	178796	0.52	43.65	6.29	46.9	30	3.8	21.8	1232	7.42	5.3	0.1	5.5	0.6	15.5	0.03	0.05	0.03	56	2.53	0.104	4.9	6.8	2.27	18.9	0.301	20	2.8	0.094	0.13	0.3	5	<0.001	7	0.03	13.6	0.2	0.02	aqua regia
Central	178797	1.13	46.56	11.35	45.5	106	2.9	35.7	1322	9.27	11.7	0.1	19.8	0.5	24.9	0.08	0.09	0.16	45	5.86	0.09	3.5	15.2	1.62	28.4	0.13	20	2.42	0.054	0.25	0.3	5	<0.001	8.9	0.46	11.1	0.7	0.03	aqua regia
Central	178798	0.68	124.9	3.95	37.2	84	161.9	34.8	524	4.29	11.8	0.3	28.8	1.6	63.5	0.04	0.02	0.05	121	2.27	0.034	6.5	95.7	2.23	39.9	0.169	20	3.82	0.581	0.31	0.1	5	<0.001	5.4	0.17	8.9	0.3	0.02	aqua regia
Central	178799	0.73	40.4	11.23	157	85	3	28.1	1888	9.66	7.6	0.1	16.3	0.4	32.1	0.26	0.16	0.07	63	5.88	0.103	5.3	9.5	2.18	32.1	0.104	20	3.32	0.047	0.25	0.1	5	<0.001	11.9	0.1	13.6	0.4	0.02	aqua regia
Central	178800	0.68	33.1	4.76	139.8	24	2.5	28.3	2109	9.82	1.4	0.1	2.1	0.3	53.6	0.16	0.03	0.02	65	7.2	0.09	4.7	8.9	1.35	4.8	0.028	20	3.04	0.015	0.02	0.1	5	<0.001	19.1	0.02	14.2	0.2	0.02	aqua regia
Central	178801	1.23	32.11	1.16	154.2	8	0.8	34.6	1417	10.84	0.1	0.1	0.5	0.3	66.6	0.11	0.04	0.02	82	4.25	0.099	2.8	6.6	1.49	2.3	0.011	20	3.67	0.008	0.01	0.1	5	<0.001	23.6	0.02	18.5	0.2	0.02	aqua regia
Central	178802	1.63	34.65	3.79	134.5	10	0.9	34.8	1785	9.98	0.1	0.1	0.6	0.2	65.2	0.13	0.04	0.02	82	5.09	0.093	2.4	5.4	1.35	1.9	0.01	20	3.18	0.009	0.01	0.1	5	<0.001	23.1	0.02	16.8	0.3	0.02	aqua regia
Central	178803	0.79	41.02	0.97	123.7	12	1.3	31.2	1986	10.03	0.1	0.1	5.6	0.2	43.3	0.1	0.03	0.02	74	5.01	0.088	2.5	6.7	1.51	2.3	0.01	20	3.15	0.009	0.01	0.1	5	<0.001	20.9	0.02	15.8	0.1	0.02	aqua regia
Central	178804	3.5	50.47	1.68	85.5	29	40.5	29.2	1928	7.29	8.6	0.1	22.8	0.1	73.8	0.16	0.05	0.03	42	7.52	0.036	1.1	72.5	2.36	5.3	0.003	20	1.3	0.024	0.05	0.1	5	<0.001	10.1	0.02	3.3	0.2	0.02	aqua regia
Central	178805	0.76	103.9	1.11	121.6	22	91	50	1553	9.22	1.2	0.1	8.9	0.1	46	0.11	0.07	0.02	155	5.64	0.033	1.5	110.7	3.87	2.7	0.004	20	3.81	0.015	0.02	0.1	5	<0.001	21.6	0.02	10	0.4	0.02	aqua regia
Central	178806	1.21	37.69	1.84	154.7	36	3.1	33.2	2415	10.64	1.4	0.1	3	0.3	47	0.17	0.09	0.02	60	6.25	0.094	2.9	15	1.58	5.3	0.011	20	2.81	0.029	0.02	0.1	5	<0.001	19.5	0.02	13	0.3	0.02	aqua regia
Central	178807	5.89	79.42	4.16	74.2	77	27.7	30.1	1771	6.7	9.4	0.1	33.3	0.2	56.4	0.15	0.07	0.04	21	6.32	0.052	1.7	86.1	1.61	9.3	0.001	20	0.62	0.058	0.05	0.2	5	<0.001	9.7	0.02	2.1	0.3	0.02	aqua regia
Central	178808	2.79	111.9	165.3	597.5	397	74.8	39.1	1020	11.24	5.4	0.1	1076	0.2	15	1.05	0.17	0.73	186	2.93	0.047	2.2	127.7	3.5	84.3	0.142	20	3.64	0.04	0.57	2.3	10	<0.001	21.9	0.04	13.6	4	0.04	aqua regia
Central	178809	3.79	119.2	65.63	165.9	358	3.4	50.5	583	6.54	2.4	0.1	666.4	0.4	12.6	0.2	0.14	0.6	41	2.21	0.077	3.3	43.4	1.68	48.5	0.115	20	1.79	0.051	0.37	1	5	<0.001	8.9	0.31	8.2	2.7	0.02	aqua regia
Central	178810	1.17	81.97	11.63	26.4	182	4.7	36.9	791	9.16	1.1	0.1	321.9	0.6	15.5	0.03	0.09	0.71	88	1.79	0.105	3.3	13	2.65	63	0.286	20	2.87	0.111	0.73	1.4	5	<0.001	16.4	0.45	17.2	1.6	0.02	aqua regia
Central	178811	1.2	31.66	2.49	91.8	38	2.5	30.9	2662	10.78	9.8	0.1	2.5	0.3	64.3	0.15	0.05	0.04	12	6.52	0.095	2.4	14.7	1.65	7.6	0.002	20	0.34	0.04	0.05	0.1	5	<0.001	11.8	0.02	1.2	0.3	0.02	aqua regia
Central	178812	1.02	34.52	5.63	91.4	88	2.3	30.4	2435	10.59	14	0.1	1.9	0.3	57.1	0.24	0.18	0.02	7	5.88	0.089	2	9.5	1.62	8	0.001	20	0.15	0.02	0.06	0.1	5	<0.001	9.4	0.02	0.5	0.4	0.02	aqua regia

Appendix C-2: Geochemical Data - SRK Samples
Multi-element ICP data, 2007 Doris Central Program

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Hg_CV	Sc	Tl	Ga	Se	Te	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ug/g	ppm	ppm	ppm	ppm	ppm	
Central	178813	2.71	25.31	8.27	58.1	3728	23.5	32.5	2389	10.38	81.1	0.1	356.8	0.2	71	0.18	0.13	0.25	11	8	0.085	1	23.7	2.19	7.2	0.001	20	0.16	0.028	0.07	0.1	5	<0.001	10.6	0.02	0.5	1.2	1.67	aqua regia
Central	178814	0.92	90.13	4.52	73.7	441	63.2	44.5	2197	8.95	47.8	0.1	34.6	0.1	69.4	0.2	0.1	0.08	47	8.5	0.027	0.6	63.1	3.18	3.8	0.001	20	1.18	0.026	0.07	0.1	5	<0.001	12.9	0.02	2.7	0.7	0.19	aqua regia
Central	178815	0.46	117.2	1.57	85.2	47	73.4	48.9	1659	8.79	7.6	0.1	9.8	0.1	54.9	0.11	0.07	0.02	160	6.33	0.029	1.6	126.4	3.36	2	0.006	20	3.58	0.015	0.05	0.1	5	<0.001	20.7	0.02	9.5	0.3	0.02	aqua regia
Central	178816	0.55	128.5	1.91	95	76	67.3	45.3	1336	5.77	1.2	0.1	5.3	0.1	22.5	0.05	0.09	0.02	131	2.32	0.031	1.3	118.4	3.4	8.7	0.168	20	3.9	0.004	0.05	0.1	5	<0.001	13.5	0.02	7	0.3	0.02	aqua regia
Central	178817	2.13	28.71	2.3	136.8	106	2.5	28.4	2117	9.55	4.8	0.1	294.7	0.4	37.4	0.23	0.08	0.03	10	5.63	0.11	3	26.6	1.44	8.9	0.002	20	0.35	0.049	0.04	0.1	5	<0.001	12.8	0.02	1.2	0.5	0.03	aqua regia
Central	178818	3.13	40.39	3.23	67.1	335	3.2	21.7	1802	7.18	25.5	0.1	1283	0.2	33.9	0.16	0.09	0.16	7	5.91	0.077	0.7	41.2	1.35	5	0.002	20	0.16	0.024	0.04	0.1	5	<0.001	6.9	0.02	0.5	0.8	0.1	aqua regia
Central	178819	1.59	55.58	1.71	79	188	7.2	29.2	2209	9.54	12.6	0.1	681.3	0.3	32.9	0.12	0.06	0.04	9	5.4	0.093	1.4	18.1	1.64	7.1	0.001	20	0.28	0.043	0.06	0.1	5	<0.001	9.6	0.02	1	0.7	0.03	aqua regia
Central	178820	1.18	32.7	1.26	100.2	15	2.6	25.8	2323	9.19	11.4	0.1	3.3	0.3	40.2	0.16	0.05	0.02	7	7.47	0.083	1.9	12.5	1.62	4.5	0.001	20	0.17	0.033	0.03	0.1	5	<0.001	8.5	0.02	0.6	0.3	0.02	aqua regia
Central	178821	1.26	22.72	1.01	135.3	17	1.9	31	2266	10.03	0.5	0.1	1.9	0.3	52.5	0.13	0.02	0.02	28	5.25	0.087	2.6	12.2	1.5	7.6	0.001	20	1.21	0.032	0.04	0.1	5	<0.001	13.7	0.02	5.6	0.3	0.02	aqua regia
Central	178822	0.98	25.17	1.67	90.8	26	1.7	26.2	2294	8.55	6.1	0.1	1	0.3	51.7	0.13	0.05	0.02	13	5.32	0.083	2.6	10.4	1.35	4.9	0.001	20	0.4	0.028	0.04	0.1	5	<0.001	10.4	0.02	1.7	0.3	0.02	aqua regia
Central	178823	3.8	29.83	10.36	61.9	251	3.1	27.4	2467	8.71	62.8	0.1	43.6	0.2	56.9	0.16	0.08	0.1	7	6.97	0.078	0.8	47.1	1.58	7.6	0.001	20	0.21	0.03	0.08	0.1	5	<0.001	8.5	0.02	0.7	0.6	0.02	aqua regia
Central	178824	2.31	27.82	6.2	93.9	148	2.3	27	2316	8.63	22.2	0.1	46.9	0.2	57.2	0.29	0.07	0.04	7	6.19	0.078	1.1	28.1	1.48	7.9	0.001	20	0.16	0.018	0.06	0.1	5	<0.001	7.7	0.02	0.6	0.4	0.02	aqua regia
Central	178825	1	30.88	2.13	136.5	100	1.3	31.2	2325	10.41	4.9	0.1	3	0.3	50.6	0.2	0.06	0.02	39	6.05	0.091	2.8	11.7	1.47	2.9	0.002	20	1.57	0.024	0.02	0.1	5	<0.001	16.8	0.02	8.1	0.4	0.02	aqua regia
Central	178826	1.19	30.39	1.63	102.2	56	1.5	29.9	2391	10.98	11.7	0.1	32.4	0.2	30.5	0.18	0.05	0.05	11	4.43	0.091	1.6	11.5	1.57	5.3	0.001	20	0.28	0.032	0.04	0.3	5	<0.001	10.2	0.02	1.2	0.4	0.02	aqua regia
Central	178827	0.96	36.76	0.96	143.1	25	3.7	26.7	2266	9.53	14.4	0.1	9.4	0.3	36	0.27	0.04	0.02	8	6.35	0.094	2.2	9.1	1.71	4.9	0.001	20	0.2	0.039	0.03	0.2	5	<0.001	9.9	0.02	0.8	0.2	0.02	aqua regia
Central	178828	6.98	1.32	0.71	4.9	61	1.9	0.7	40	0.22	0.4	0.1	281.7	0.1	1.6	0.04	0.05	0.02	2	0.08	0.001	0.5	89.8	0.03	0.5	0.001	20	0.02	0.005	0.01	0.1	5	<0.001	0.2	0.02	0.1	0.1	0.02	aqua regia

Appendix C-3: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2008 Infill Program

Zone	Lab ID	Paste pH	Total S (Wt.%)	Sulphate (Wt.%)	Total C (Wt.%C)	TOC (meas'd) (Wt.%C)	TIC (Calc'd) (Wt.%C)	TIC (Meas'd) (Wt.%CO_2)	Modified NP $kgCaCO_3/t$	Fizz
Central	08TDD623-SRK-WR-372	9.4	0.05	<0.01	<0.01	0.02	0.01		24.8	None
Central	08TDD623-SRK-WR-373	9.15	0.04	<0.01	0.14	0.1	0.04		27.6	Moderate
Central	08TDD623-SRK-WR-374	8.88	0.16	<0.01	0.06	0.06	0.01		17.8	Slight
Central	08TDD623-SRK-WR-375	8.47	0.89	0.01	0.36	0.08	0.28		49.9	Strong
Central	08TDD623-SRK-WR-376	8.37	0.77	0.01	0.35	0.1	0.25		40.2	Strong
Central	08TDD623-SRK-WR-377	9.25	0.1	<0.01	0.08	0.04	0.04		27.5	None
Central	08TDD623-SRK-WR-378	8.09	0.15	<0.01	1.5	0.09	1.41		127.5	Strong
Central	08TDD623-SRK-WR-379	8.17	0.15	<0.01	2.35	0.09	2.26		158.7	Strong
Central	08TDD623-SRK-WR-380	8.31	0.14	<0.01	1.86	0.07	1.79		137.4	Strong
Central	08TDD623-SRK-WR-381	8.37	0.19	0.01	3	0.07	2.93		193.1	Strong
Central	08TDD623-SRK-WR-382	8.12	0.15	<0.01	1.81	0.08	1.73		147.3	Strong
Central	08TDD623-SRK-WR-383	8.09	0.55	0.01	0.71	0.1	0.61		67.8	Strong
Central	08TDD623-SRK-WR-384	8.33	0.28	0.01	0.81	0.11	0.7		57.3	Strong
Central	08TDD623-SRK-WR-385	8.32	0.71	<0.01	0.59	0.07	0.52		69.1	Strong
Central	08TDD623-SRK-WR-386	8.09	0.06	<0.01	0.25	0.09	0.16		33.4	Strong
Central	08TDD623-SRK-WR-387	9.25	0.05	<0.01	0.05	0.05	0.01		15.1	None
Central	08TDD628-SRK-WR-303	8.86	1.47	<0.01	4.69	0.03	4.66		231.3	Strong
Central	08TDD628-SRK-WR-304	8.23	9.13	0.02	2.91	0.03	2.88		172.5	Strong
Central	08TDD628-SRK-WR-305	8.44	6.04	0.02	3.71	0.09	3.62	13.64	207.5	Strong
Central	08TDD628-SRK-WR-306	8.66	3.11	0.01	4.07	0.02	4.05		187.5	Strong
Central	08TDD628-SRK-WR-307	8.91	1.44	<0.01	4.25	0.03	4.22		197.5	Strong
Central	08TDD628-SRK-WR-308	8.98	0.3	<0.01	4.51	0.02	4.49		185.0	Strong
Central	08TDD628-SRK-WR-309	9.02	0.1	<0.01	4.88	<0.01	4.88		203.8	Strong
Central	08TDD628-SRK-WR-310	8.77	0.09	<0.01	3.78	0.02	3.76		181.3	Strong
Central	08TDD628-SRK-WR-311	8.5	0.09	<0.01	2.84	0.02	2.82		168.8	Strong
Central	08TDD628-SRK-WR-312	8.58	0.2	<0.01	2.93	0.02	2.91		172.5	Strong
Central	08TDD628-SRK-WR-313	8.54	0.46	<0.01	3.81	0.04	3.77		213.1	Strong
Central	08TDD628-SRK-WR-314	9.22	0.16	<0.01	4.23	<0.01	4.23		173.8	Strong
Central	08TDD628-SRK-WR-315	8.28	0.11	<0.01	2.99	0.05	2.94		187.5	Strong
Central	08TDD631-SRK-WR-433	8.82	1.91	<0.01	3.25		--	10.89	199.3	Strong
Central	08TDD631-SRK-WR-434	8.78	1.81	<0.01	3.74		--	12.69	172.9	Strong
Central	08TDD631-SRK-WR-435	8.34	6.03	0.01	1.99		--	6.89	120.3	Strong
Central	08TDD631-SRK-WR-436	8.81	2.57	<0.01	3.62		--	12.43	120.6	Strong
Central	08TDD631-SRK-WR-437	8.5	0.47	<0.01	3.32		--	11.77	191.9	Strong
Central	08TDD631-SRK-WR-438	8.93	0.34	<0.01	4.26		--	14.85	212.4	Strong
Central	08TDD631-SRK-WR-439	8.44	8.69	0.01	3.8		--	12.5	233.2	Strong
Central	08TDD631-SRK-WR-440	8.8	0.07	<0.01	4.41		--	14.37	154.2	Strong
Central	08TDD631-SRK-WR-441	9.14	0.31	<0.01	4.5		--	14.96	169.2	Strong
Central	08TDD631-SRK-WR-442	8.26	0.93	<0.01	0.37		--	0.98	20.8	Strong
Central	08TDD631-SRK-WR-443	8.61	4.23	0.01	4.03		--	13.13	189.2	Strong
Central	08TDD631-SRK-WR-444	8.42	2.3	0.01	1.85		--	5.9	80.5	Strong
Central	08TDD631-SRK-WR-445	9.27	0.5	<0.01	4.53		--	15.55	183.1	Strong
Central	08TDD631-SRK-WR-446	9.32	0.34	<0.01	4.55		--	14.92	170.7	Strong
Central	08TDD631-SRK-WR-447	9.12	0.72	<0.01	4.2		--	13.79	178.2	Strong
Central	08TDD631-SRK-WR-448	9.34	0.13	<0.01	4.9		--	15.88	188.1	Strong
North	08TDD632-SRK-WR-358	8.21	0.14	<0.01	2.82	0.03	2.79		178.0	Strong
North	08TDD632-SRK-WR-359	8.15	0.11	<0.01	2.59	0.04	2.55		162.1	Strong
North	08TDD632-SRK-WR-360	8.22	0.13	<0.01	2.89	0.03	2.86		193.7	Strong
North	08TDD632-SRK-WR-361	8.26	0.12	<0.01	2.57	0.05	2.52		154.7	Strong
North	08TDD632-SRK-WR-362	8.25	0.12	<0.01	1.8	0.04	1.76		127.5	Strong
North	08TDD632-SRK-WR-363	7.98	0.09	<0.01	1.73	0.07	1.66		114.5	Strong
North	08TDD632-SRK-WR-364	8.24	0.12	<0.01	2.78	0.04	2.74		161.1	Strong
North	08TDD632-SRK-WR-365	8.35	0.14	<0.01	2.95	0.07	2.88		170.4	Strong
North	08TDD632-SRK-WR-366	8.34	0.17	<0.01	3.3	0.04	3.26		166.5	Strong
North	08TDD632-SRK-WR-367	8.16	0.24	<0.01	3.24	0.06	3.18		203.0	Strong
North	08TDD632-SRK-WR-368	8.35	0.1	<0.01	2.75	0.06	2.69		180.1	Strong
North	08TDD632-SRK-WR-369	8.39	0.19	<0.01	2.85	0.03	2.82		161.5	Strong
North	08TDD632-SRK-WR-370	8.29	0.17	<0.01	2.8	0.1	2.7		149.1	Strong
North	08TDD632-SRK-WR-371	8.15	0.13	<0.01	2.25	0.06	2.19		134.9	Strong
Connector	95TDD002-SRK-316	9.4	0.2	<0.01	4.37	0.05	4.32		161.9	Strong
Connector	95TDD002-SRK-317	9.29	0.1	<0.01	4.69	0.07	4.62		135.0	Strong
Connector	95TDD004-SRK-318	8.55	0.03	<0.01	1.62	0.07	1.55	5.76	136.9	Strong
Connector	95TDD004-SRK-319	9.27	0.04	<0.01	4.11	0.01	4.1		261.3	Strong
Connector	95TDD004-SRK-320	9.25	0.06	<0.01	3.2	0.03	3.17		203.8	Strong
Connector	95TDD004-SRK-321	9.19	0.16	<0.01	4.81	0.04	4.77		237.5	Strong
Connector	95TDD007-SRK-322	8.92	0.11	<0.01	3.37	0.03	3.34		226.3	Strong
Connector	95TDD007-SRK-323	9.13	0.07	<0.01	1.46	0.06	1.4	5.17	95.0	Strong
Connector	95TDD007-SRK-324	9.1	0.07	<0.01	0.57	0.11	0.46		46.3	Strong
Connector	95TDD007-SRK-325	8.9	0.04	<0.01	0.8	0.03	0.77		60.1	Strong
Connector	95TDD008-SRK-326	9.36	0.26	<0.01	4.74	0.03	4.71		299.4	Strong
Connector	95TDD008-SRK-327	9.47	0.17	<0.01	3.82	0.08	3.74		326.9	Strong
Connector	96TDD067-SRK-WR-328	8.65	0.06	<0.01	1.4	0.15	1.25		108.8	Strong
Connector	96TDD067-SRK-WR-329	8.54	0.03	<0.01	1.08	0.07	1.01		73.8	Strong
Connector	96TDD067-SRK-WR-330	8.32	0.07	<0.01	2.42	0.11	2.31		152.5	Strong

Appendix C-3: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2008 Infill Program

Zone	Lab ID	Paste pH	Total S (Wt.%)	Sulphate (Wt.%)	Total C (Wt.%C)	TOC (meas'd) (Wt.%C)	TIC (Calc'd) (Wt.%C)	TIC (Meas'd) (Wt.%CO_2)	Modified NP kg$CaCO_3$/t	Fizz
Connector	96TDD071-SRK-WR-331	8.56	0.15	<0.01	2.59	0.21	2.38		152.5	Strong
Connector	96TDD071-SRK-WR-332	8.54	0.07	0.01	2.18	0.05	2.13		137.5	Strong
Connector	96TDD071-SRK-WR-333	8.17	0.1	<0.01	2.14	0.07	2.07		142.5	Strong
Connector	96TDD071-SRK-WR-334	8.65	0.12	<0.01	3.73	0.06	3.67		190.0	Strong
Connector	96TDD075-SRK-WR-335	9.42	0.12	<0.01	4.95	0.03	4.92		328.8	Strong
Connector	96TDD075-SRK-WR-336	9.48	0.1	<0.01	5.27	0.03	5.24		343.1	Strong
North	96TDM097-SRK-WR-337	8.28	0.03	<0.01	2.34	0.07	2.27		125.0	Strong
Connector	98TDD185A-SRK-WR-418	8.73	0.09	<0.01	2.95		--	9.9	172.0	Strong
Connector	TDD307-SRK-WR-545	9.49	0.42	<0.01	5.1		--	18.74	324.7	Strong
Connector	TDD307-SRK-WR-546	8.94	0.07	<0.01	3.55		--	12.39	246.6	Strong
Connector	TDD307-SRK-WR-547	8.8	0.03	<0.01	2.76		--	9.72	192.9	Strong
Connector	TDD317-SRK-WR-338	9.39	0.12	<0.01	3.84	0.06	3.78		170.0	Strong
Connector	TDD318-SRK-WR-339	9.29	0.12	<0.01	4.41	0.02	4.39		206.3	Strong
Connector	TDD318-SRK-WR-340	9.1	0.16	<0.01	4.08	0.01	4.07		192.5	Strong
Connector	TDD318-SRK-WR-341	8.39	3.11	0.01	3.5	0.07	3.43		193.8	Strong
Connector	TDD320A-SRK-WR-342	9.41	0.2	<0.01	4.62	0.02	4.6		200.0	Strong
Connector	TDD320A-SRK-WR-343	9.28	0.91	<0.01	4.11	0.02	4.09		163.8	Strong
Connector	TDD320A-SRK-WR-344	9.39	0.17	<0.01	4.51	0.01	4.5		186.3	Strong
Connector	TDD320A-SRK-WR-345	8.46	0.15	<0.01	3.76	0.07	3.69		178.8	Strong
Connector	TDD327-SRK-WR-419	9.21	0.07	<0.01	4.6		--	15.03	284.5	Strong
Connector	TDD327-SRK-WR-420	9.32	0.23	<0.01	4.8		--	16.79	300.7	Strong
Connector	TDD329-SRK-WR-346	9.33	0.12	<0.01	4.53	0.05	4.48		156.3	Strong
Connector	TDD329-SRK-WR-347	9.27	0.26	<0.01	4.42	0.06	4.36		168.8	Strong
Connector	TDD329-SRK-WR-348	8.04	0.21	<0.01	2.43	0.05	2.38		120.0	Strong
Connector	TDD329-SRK-WR-349	9.54	0.27	<0.01	5.55	0.04	5.51		331.3	Strong
Connector	TDD329-SRK-WR-350	9.44	0.11	<0.01	4.92	0.3	4.62		315.0	Strong
Connector	TDD409-SRK-WR-421	8.54	0.11	<0.01	3.2		--	10.67	180.7	Strong
Connector	TDD409-SRK-WR-422	9.66	0.09	<0.01	3.58		--	12.43	169.8	Strong
Connector	TDD409-SRK-WR-423	8.92	0.12	<0.01	3.74		--	12.58	161.1	Strong
Connector	TDD409-SRK-WR-424	8.12	0.19	<0.01	3.17		--	10.3	162.3	Strong
Connector	TDD409-SRK-WR-425	8.53	0.06	<0.01	2.3		--	7.81	140.5	Strong
Connector	TDD409-SRK-WR-426	9.48	0.1	<0.01	4.78		--	16.83	288.6	Strong
Connector	TDD409-SRK-WR-427	9.38	0.11	<0.01	4.63		--	16.43	288.2	Strong
Connector	TDD409-SRK-WR-428	9.4	0.08	<0.01	5.03		--	17.45	296.6	Strong
Connector	TDD409-SRK-WR-429	8.72	0.08	<0.01	3.21		--	10.6	220.8	Strong
Connector	TDD409-SRK-WR-430	8.68	0.06	<0.01	3.37		--	11.04	200.9	Strong
Connector	TDD409-SRK-WR-431	8.91	0.13	<0.01	4.66		--	16.02	294.5	Strong
Connector	TDD409-SRK-WR-432	8.05	0.12	<0.01	2.51		--	7.48	136.8	Strong

Appendix C-4: Geochemical Data - SRK Samples
Multi-element ICP data, 2008 Infill Samples

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	%	ppm	ppm	
Central	08TDD623-SRK-WR-372	0.3	127.7	4.3	49	<0.1	73.2	22.1	325	3.57	1	0.3	1.7	1.6	85	<0.1	<0.1	<0.1	157	2.45	0.035	6	81	1.51	37	0.168	<20	4.76	0.683	0.3	0.3	0.00001	2.8	<0.1	<0.05	9	<0.5	aqua regia
Central	08TDD623-SRK-WR-373	0.4	12.3	1.2	34	<0.1	2.9	18.5	951	7.05	0.8	<0.1	<0.5	0.6	28	<0.1	<0.1	<0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	0.00001	8	<0.1	<0.05	14	<0.5	aqua regia
Central	08TDD623-SRK-WR-374	0.4	35.1	7.2	179	<0.1	2.1	19.9	916	6.62	1.8	<0.1	<0.5	0.6	15	0.3	<0.1	<0.1	55	1.18	0.096	5	16	1.61	18	0.339	29	2.55	0.209	0.08	0.3	0.00001	8.8	<0.1	0.15	13	<0.5	aqua regia
Central	08TDD623-SRK-WR-375	0.6	34	112.7	1438	0.2	2.5	36.1	1121	8.14	17.4	<0.1	3.7	0.6	20	2.4	<0.1	0.5	59	1.84	0.1	4	28	2.11	39	0.234	<20	3.45	0.101	0.45	0.5	0.00001	7.2	0.3	0.9	14	<0.5	aqua regia
Central	08TDD623-SRK-WR-376	0.3	43.5	16.1	91	<0.1	3.7	26.5	736	7.63	54.5	<0.1	<0.5	0.6	15	<0.1	<0.1	0.2	69	1.71	0.095	4	23	1.99	8	0.251	<20	3.29	0.091	0.06	0.3	0.00001	8.7	0.1	0.8	15	1	aqua regia
Central	08TDD623-SRK-WR-377	0.4	87.7	8.5	32	<0.1	175.2	33.7	428	3.68	163.7	0.3	<0.5	1.2	64	<0.1	<0.1	0.2	114	1.97	0.033	5	120	2.57	32	0.165	<20	4.11	0.575	0.27	0.1	0.00001	5.4	0.1	0.08	8	<0.5	aqua regia
Central	08TDD623-SRK-WR-378	0.4	35.3	1.9	126	<0.1	2	30.4	1538	9.74	1.2	<0.1	<0.5	0.3	73	<0.1	<0.1	<0.1	81	4.9	0.088	3	13	1.63	9	0.023	<20	4.34	0.02	0.04	0.6	0.00001	18.7	<0.1	0.11	16	<0.5	aqua regia
Central	08TDD623-SRK-WR-379	0.4	28.4	1.2	112	<0.1	2.3	27.8	2131	9.08	1.2	<0.1	<0.5	0.3	57	<0.1	<0.1	<0.1	63	5.23	0.084	3	14	1.66	16	0.009	<20	3.45	0.031	0.07	0.2	0.00001	16.2	<0.1	0.15	13	<0.5	aqua regia
Central	08TDD623-SRK-WR-380	0.7	6.8	1.3	68	<0.1	16.4	28.2	1108	6.81	0.7	0.2	<0.5	1.2	58	<0.1	<0.1	<0.1	94	4.74	0.1	10	104	2.39	30	0.009	<20	4.05	0.041	0.21	0.1	0.00001	9.6	<0.1	0.12	9	<0.5	aqua regia
Central	08TDD623-SRK-WR-381	0.4	34	1.8	104	<0.1	2.1	27.3	1742	7.75	2.2	<0.1	0.8	0.3	59	<0.1	<0.1	<0.1	39	6.95	0.09	5	24	1.39	22	0.01	<20	2.85	0.084	0.1	0.2	0.00001	12.2	<0.1	0.23	9	<0.5	aqua regia
Central	08TDD623-SRK-WR-382	0.3	35.3	2.3	92	<0.1	2.1	27.6	1346	9.84	2.8	<0.1	<0.5	0.4	26	<0.1	<0.1	<0.1	70	5.66	0.086	6	15	1.77	17	0.074	<20	3.92	0.044	0.05	0.5	0.00001	15.6	<0.1	0.13	15	<0.5	aqua regia
Central	08TDD623-SRK-WR-383	0.5	37	26	270	0.2	3.3	27.3	1194	9.72	9.3	<0.1	89.8	0.6	17	0.5	<0.1	0.1	72	2.77	0.096	4	48	2.34	45	0.245	<20	3.51	0.134	0.3	1.5	0.00001	10.1	0.1	0.55	16	<0.5	aqua regia
Central	08TDD623-SRK-WR-384	0.3	35.5	6	66	0.1	1.2	25.6	1103	8.15	9.2	<0.1	116	0.6	18	<0.1	<0.1	0.1	70	3.15	0.092	4	14	1.64	22	0.327	<20	3.02	0.125	0.14	0.8	0.00001	7.3	<0.1	0.24	15	<0.5	aqua regia
Central	08TDD623-SRK-WR-385	0.5	87.8	53.4	280	0.3	1.5	42.3	912	10.4	3.1	<0.1	31.7	0.7	23	0.4	<0.1	0.4	85	2.39	0.093	5	29	2.12	73	0.29	<20	3.45	0.162	0.4	1	0.00001	12.9	0.2	0.75	16	1.1	aqua regia
Central	08TDD623-SRK-WR-386	0.2	66.7	0.7	21	<0.1	1.5	15.4	669	6.05	0.9	<0.1	<0.5	0.6	12	<0.1	<0.1	<0.1	50	1.66	0.098	5	12	1.52	6	0.289	<20	2.11	0.189	0.05	0.2	0.00001	5.4	<0.1	<0.05	13	<0.5	aqua regia
Central	08TDD623-SRK-WR-387	0.3	286.2	1.3	64	<0.1	22.3	17.6	367	4.18	1.3	<0.1	6.9	0.4	50	0.1	<0.1	<0.1	282	1.48	0.066	5	36	0.74	30	0.209	28	2.23	0.446	0.19	<0.1	0.00001	3.4	<0.1	<0.05	8	<0.5	aqua regia
Central	08TDD628-SRK-WR-303	0.7	36.3	2.4	82	0.2	2.4	26.4	2322	9.3	34.5	<0.1	18.2	0.2	31	0.1	<0.1	<0.1	9	6.29	0.09	<1	35	2.02	14	<0.001	<20	0.3	0.068	0.08	<0.1	<0.00001	8.3	<0.1	1.51	1	<0.5	aqua regia
Central	08TDD628-SRK-WR-304	1.5	71.3	14.1	47	0.9	5.3	39.7	1775	11.49	139.8	<0.1	364.6	0.2	43	0.1	0.3	0.5	7	5.05	0.128	<1	121	1.25	10	<0.001	<20	0.28	0.057	0.07	0.1	<0.00001	6.5	<0.1	8.84	1	3.1	aqua regia
Central	08TDD628-SRK-WR-305	0.9	30	10.7	44	0.5	3	31.4	1997	10.68	116.7	<0.1	335.9	0.2	42	<0.1	0.2	0.2	9	5.82	0.103	<1	47	1.67	11	<0.001	<20	0.28	0.059	0.09	<0.1	<0.00001	7.4	<0.1	6.25	<1	1.7	aqua regia
Central	08TDD628-SRK-WR-306	0.9	29.8	5.3	56	0.3	4.3	28.3	2229	9.88	67.9	<0.1	227	0.2	34	<0.1	0.1	0.2	10	5.86	0.095	<1	96	1.6	16	<0.001	<20	0.34	0.068	0.1	<0.1	<0.00001	7.5	<0.1	3.33	1	0.6	aqua regia
Central	08TDD628-SRK-WR-307	1.1	23.9	5.2	77	0.2	5	28.4	2163	9.11	40.3	<0.1	153.1	0.2	42	0.1	<0.1	<0.1	11	5.61	0.098	<1	144	1.58	14	0.002	<20	0.36	0.074	0.09	0.1	<0.00001	7.9	<0.1	1.47	1	0.8	aqua regia
Central	08TDD628-SRK-WR-308	0.7	44.8	0.9	65	<0.1	3.4	28.1	2382	10.1	10.7	<0.1	73.9	0.3	27	<0.1	<0.1	<0.1	12	5.26	0.098	2	74	1.96	12	<0.001	<20	0.68	0.092	0.06	<0.1	<0.00001	10.4	<0.1	0.33	2	<0.5	aqua regia
Central	08TDD628-SRK-WR-309	0.5	31.7	1	76	<0.1	3.3	27.3	2598	9.82	4.8	<0.1	6.6	0.4	34	<0.1	<0.1	<0.1	10	5.75	0.096	3	60	1.86	14	<0.001	<20	0.65	0.082	0.07	<0.1	<0.00001	8.9	<0.1	0.12	2	<0.5	aqua regia
Central	08TDD628-SRK-WR-310	0.7	29.7	1	78	<0.1	2.2	25.1	2200	8.83	3.4	<0.1	5.2	0.3	37	0.1	<0.1	<0.1	12	5.74	0.1	2	45	1.58	13	<0.001	<20	1.44	0.054	0.08	<0.1	<0.00001	8.5	<0.1	0.1	3	<0.5	aqua regia
Central	08TDD628-SRK-WR-311	0.4	30.6	0.9	148	<0.1	2.2	27.2	2200	9.16	2.2	<0.1	2.5	0.3	46	0.1	<0.1	<0.1	61	5.11	0.09	3	23	1.61	8	0.005	<20	3	0.026	0.03	<0.1	<0.00001	15.9	<0.1	0.09	14	<0.5	aqua regia
Central	08TDD628-SRK-WR-312	0.4	35.5	0.8	129	<0.1	2.8	27	2325	9.62	3.1	<0.1	6.9	0.2	52	0.1	<0.1	<0.1	58	5.24	0.094	2	30	1.61	9	0.003	<20	2.81	0.029	0.04	<0.1	<0.00001	16.1	<0.1	0.22	13	<0.5	aqua regia
Central	08TDD628-SRK-WR-313	0.5	39.3	1.2	131	<0.1	2.6	30.4	2334	10.34	14.1	<0.1	8.7	0.2	47	0.1	<0.1	<0.1	30	6.26	0.093	2	36	1.89	12	0.004	<20	2.27	0.046	0.07	<0.1	<0.00001	12	<0.1	0.47	8	<0.5	aqua regia
Central	08TDD628-SRK-WR-314	0.4	31.6	1.7	98	<0.1	2.4	26.8	2396	9.6	4.5	<0.1	2.1	0.3	49	0.2	<0.1	<0.1	14	5.45	0.096	3	34	1.53	12	0.001	<20	0.74	0.079	0.08	<0.1	<0.00001	11.5	<0.1	0.19	3	<0.5	aqua regia
Central	08TDD628-SRK-WR-315	0.3	30.6	0.7	138	<0.1	1.9	28.9	2482	10.48	1.6	<0.1	0.6	0.2	48	<0.1	<0.1	<0.1	60	5.24	0.088	3	24	2.25	9	0.005	<20	3.44	0.019	0.06	<0.1	<0.00001	15.4	<0.1	0.12	15	<0.5	aqua regia
Central	08TDD631-SRK-WR-433	0.3	10.3	2.4	44	0.2	4	11.8	2001	5.21	26.3	<0.1	276.2	0.3	38	0.1	<0.1	0.1	6	5.59	0.081	<1	106	1.48	10	0.002	<20	0.2	0.04	0.06	0.1	<0.00001	5.3	<0.1	2.04	<1	0.8	aqua regia
Central	08TDD631-SRK-WR-434	0.4	37.9	1.6	70	0.2	2.6	27.8	2058	9.05	23.3	<0.1	79.9	0.2	27	<0.1	<0.1	0.2	15	4.54	0.088	<1	35	1.64	10	0.001	<20	0.73	0.062	0.06	<0.1	<0.00001	8.8	<0.1	1.71	2	0.7	aqua regia
Central	08TDD631-SRK-WR-435	0.3	37.3	3	27	1.2	4.2	26.4	1185	7.22	89.5	<0.1	3208.8	0.1	24	<0.1	0.1	0.5	4	3.31	0.052	<1	106	0.91	8	<0.001	<20	0.16	0.038	0.05	<0.1	<0.00001	3.8	<0.1	5.69	<1	3	aqua regia
Central	08TDD631-SRK-WR-436	0.2	35.4	2.2	45	0.3	3	32.6	1846	8.55	43.4	<0.1	176.6	0.2	18	<0.1	0.1	0.3	8	3.83	0.088	<1	28	1.66	10	<0.001	<20	0.36	0.071	0.07	<0.1	<0.00001	9.2	<0.1	2.45	1	1.1	aqua regia
Central	08TDD631-SRK-WR-437	0.2	28.5	0.8	84	<0.1	2.8	30	1853	8.27	9.1	<0.1	11.2	0.2	25	<0.1	<0.1	<0.1	17	5.15	0.081	1	27	1.83	11	0.001	<20	1.75	0.05	0.06	<0.1	<0.00001	9.8	<0.1	0.49	5	0.6	aqua regia
Central	08TDD631-SRK-WR-438	0.4	33.3	0.9	60	<0.1	2.8	24.7	2112	8.55	17.3	<0.1	10.2	0.2	33	<0.1	0.2	<0.1	9	4.75	0.075	1	21	1.63	10	<0.001	<20	0.71	0.056	0.06	<0.1	<0.00001	8.7	<0.1	0.35	1	<0.5	aqua regia
Central	08TDD631-SRK-WR-439	0.4	65.1	4	53	0.8	4.1	38.4	1895	10.72	76.7	<0.1	704.3	0.2	38	0.1	0.1	0.6	7	5.34	0.092	<1	45	1.72	13	<0.001	<20	0.25	0.067	0.08	<0.1	<0.00001	7.2	<0.1	8.26	<1	1.6	aqua regia
Central	08TDD631-SRK-WR-440	0.2	23.9	0.5	53	<0.1	2.4	23.8	2044	8.09	7.4	<0.1	1	0.2	26	<0.1	<0.1	<0.1	9	4.17	0.077	2	24	1.69	9	<0.001	<20	0.38	0.062	0.06	<0.1	<0.00001	8.3	<0.1	0.08	1	<0.5	aqua regia
Central	08TDD631-SRK-WR-441	0.3	23.9	1.4	86	<0.1	1.8	25.2	2012	8.77	17.6	<0.1	7.4	0.2	30	0.1	<0.1	<0.1	10	4.23	0.087	1	28	1.48	6	<0.001	<20	0.18	0.046	0.05	<0.1	<0.00001	8	<0.1	0.31	<1	<0.5	aqua regia
Central	08TDD631-SRK-WR-442	1.3	7.4	3.4	9	<0.1	5.9	4.6	203	1.49	26.5	<0.1	17.4	<0.1	6	<0.1	<0.1	<0.1	<2	0.58	0.007	<1	229	0.15	2	<0.001	<20	0.03	0.017	0.01	<0.1	<0.00001	0.6	<0.1	0.94	<1	0.5	aqua regia
Central	08TDD631-SRK-WR-443	0.5	42.7	4.9	56	0.3	2.5	27.4	1751	9.17	79.7	<0.1	83.5	0.2	32	0.1	0.2	0.2	10	4.69	0.08	<1	52	1.57	5	<0.001	<20	0.15	0.036	0.05	0.1	<0.00001	7.2	<0.1	4.02	<1	0.8	aqua regia
Central	08TDD631-SRK-WR-444	0.9	28.5	3	23	0.6	7.1	13.2	863	4.1	45.5	<0.1	2000	<0.1	18	<0.1	0.2	0.2	4	2.43	0.038	<1	163	0.67	4	<0.001	<20	0.08	0.024	0.03	0.1	<0.00001	2.9	<0.1	2.17	<1	0.8	aqua regia
Central	08TDD631-SRK-WR-445	0.5	28.2	1.1	69	<0.1	2.9	24.8	1936	7.98	12	<0.1	46.1	0.2	38	0.1	<0.1	<0.1	7	5.04	0.081	<1	60	1.24	10	<0.001	<20	0.18	0.046	0.05	<0.1	<0.00001	6.6	<0.1	0.51	<1	<0.5	aqua regia
Central	08TDD631-SRK-WR-446	0.4	29.6	0.9	73	<0.1	2	23.3	1835	7.79	10.2	<0.1	22.5	0.2	30	<0.1	<0.1	<0.1	6	4.59	0.079	<1	32	1.19	8	<0.001	<20	0.16	0.04	0.04	<0.1	<0.00001	7	<0.1	0.32	<1	<0.5	aqua regia
Central	08TDD631-SRK-WR-447	0.6	26.6	1.1	75	0.2	2.5	20	1733	6.89	5.5	<0.1	783.9	0.1	28	0.1	0.1	<0.1	6	4.76	0.071	<1	73	1.15	6	<0.001	<20	0.21	0.034	0.03	<0.1	<0.00001	6.1	<0.1	0.72	<1	0.6	aqua regia
Central	08TDD631-SRK-WR-448	0.4	33.3	0.7	101	<0.1	2.3	23.9	1944	8.22	6.2	<0.1	1.8	0.2	29	0.1	0.1	<0.1	8	5.01	0.077	1	43	1.25	7	<0.001	<20	0.22	0.041	0.04	<0.1	<0.00001	6.7	<0.1	0.14	1	<0.5	aqua regia
North	08TDD632-SRK-WR-358	0.3	26.7	0.5	123	<0.1	4.1	28.5	2509	10.59	1.1	<0.1	0.9	0.3	62	0.1	<0.1	<0.1	57	5.06	0.088	3	20	1.71	15	0.006	<20	3.14	0.04	0.08	<0.1	<0.00001	14.6	<0.1	0.11	13	<0.5	aqua regia
North	08TDD632-SRK-WR-359	0.5	31.1	0.5	136	<0.1	4.6	30.7	2304	11.12	1.4	<0.1	0.7	0.2	71	<0.1	<0.1	<0.1	59	4.62	0.092	3	16	1.68	16	0.005	<20	3.47	0.037	0.07	<0.1	<0.00001	14.2	<0.1	0.1	13	0.7	aqua regia
North	08TDD632-SRK-WR-360	0.4	30.1	0.4	123	<0.1	4.5	29.2	2679	10.86	0.8	<0.1	0.8	0.3	59	0.1	<0.1	<0.1	57	5.29	0.093	3	38	1.98	15	0.006	<20	3.31	0.041	0.08	<0.1	<0.00001	14.3	<0.1	0.09	12	0.6	aqua regia
North	08TDD632-SRK-WR-361	0.2	20.1	0.3	123	<0.1	3.7	28.7	2492	9.81	0.7	<0.1	1	0.2	48	<0.1	<0.1	<0.1	58	4.56	0.089	3	34	1.91	11	0.006	<20	3.32	0.04	0.08	<0.1	<0.00001	14.8	<0.1	0.11	14	0.7	aqua regia
North	08TDD632-SRK-WR-362	0.3	12.2	0.3	105	<0.1	3.6	28.9	1695	11.53	0.9	<0.1	1.6	0.2	17	<0.1	<0.1	<0.1	63	3.37	0.098	4	42	2.53	8	0.004	<20	4.8	0.055	0.11	<0.1	<0.00001	15.7	<0.1	0.1	15	1	aqua regia
North	08TDD632-SRK-WR-363	0.4	19.7	0.3	135	<0.1	2.8	32.8	1784	12	0.7	<0.1	1.5	0.2	21	<0.1	<0.1	<0.1	76	3.06	0.086	3	42	2.65	4	0.006	<20	5.13	0.052	0.08	<0.1	<0.00001	20.1	<0.1	0.08	18	0.8	aqua regia
North	08TDD632-SRK-WR-364	0.3	35.7	0.5	116	<0.1	4.6	28.2	2695	10.44	0.8	<0.1	0.7	0.2	68	<0.1	<0.1	<0.1	53	5.08	0.093	2	38	1.69	13	0.004	<20	3.08	0.04	0.09	<0.1	<0.00001	14.4	<0.1	0.11	13	<0.5	aqua regia
North	08TDD632-SRK-WR-365	0.2	29.7	0.5	115	<0.1	3.9	28.4	2679	10.29	1.3	<0.1	2.7	0.2	71	0.1	<0.1	<0.1	54	5.27	0.09	2	34	1.53	11	0.004	<20	2.86	0.038	0.06	<0.1	<0.00001	15.1	<0.1	0.11	13	0.7	aqua regia
North	08TDD632-SRK-WR-366	0.4	47.7	0.6	113	<0.1	4.8	29.8	2712	11.04	1.8	<0.1	2.9	0.3	59	<0.1	<0.1	<0.1	47	5.44	0.089	3	40	1.63	15	0.003	<20	2.74	0.051	0.1	<0.1	<0.00001	13.8	<0.1	0.14	11	0.5	aqua regia
North	08TDD632-SRK-WR-367	0.2	42	0.6	139	<0.1	4.6	28.7	3137	11.34	1.7	<0.1	2.1	0.2	47	0.1	<0.1	<0.1	55	5.84	0.085	2	36	2	14	0.006	<20	3.15	0.039	0.05	<0.1	<0.00001	14.9	<0.1	0.21	13	0.5	aqua regia
North	08TDD632-SRK-WR-368	0.2	32.7	0.4	112	<0.1	1.8	26.3	2401	9.86	0.8	<0.1	1.6	0.2	60	0.1	<0.1	<0.1	54	4.95	0.084	3	29	1.59	16	0.006	<20	2.84	0.041	0.06	<0.1	<0.00001	14.2	<0.1	0.08	12	0.6	aqua regia
North	08TDD632-SRK-WR-369	0.2	46.7	0.4	118	<0.1	2.5	28.9	2328	10.22	3.5	<0.1	11.7	0.3	63	0.1	<0.1	<0.1	53	4.96	0.091	2	26	1.55	14	0.006	<20	2.82	0.046	0.07	<0.1	<0.00001	14.9	<0.1	0.18	12	0.6	aqua regia
North	08TDD632-SRK-WR-370	0.4	36	0.5	113	<0.1	2.3	27.4	2248	9.65	2.9	<0.1	1.5	0.2	58	<0.1	<0.1	<0.1	51	4.67	0.081	2	30	1.48	11	0.007	<20	2.64	0.031	0.05	0.6	<0.00001	14.2	<0.1	0.16	12	<0.5	aqua regia
North	08TDD632-SRK-WR-371	0.3	37.4	1	134	<0.1	3.5	29	2408	11.03	1.2	<0.1	<0.5	0.2	47	0.1	<0.1	<0.1	62	4.7	0.087	3	19	1.67	14	0.014	<20	3.77	0.028	0.05	0.5	<0.00001	15.9	<0.1	0.12	14	<0.5	aqua regia
Connector	95TDD002-SRK-316	0.6	42.1	0.8	108	<0.1	2.4	28.9	1777	9.9	29.8	<0.1	11.3	0.3	33	0.1	<0.1	<0.1	11	5.12	0.095	2	44	1.51	7	0.003	<20	0.31	0.065	0.07	<0.1	<0.00001	7	<0.1	0.22	1	<0.5	aqua regia
Connector	95TDD002-SRK-317	0.3	36.5	0.8	97	<0.1	3.4	27.5	2188	9.45	18.7	<0.1	2.5	0.3	37	0.1	<0.1	<0.1	12	6.41	0.091	3	36	1.55	9	0.003	<20	0.55	0.065	0.07	<0.1	<0.00001	8.1	<0.1	0.11	2	<0.5	aqua regia
Connector	95TDD004-SRK-318	0.3	100.3	0.4	74	<0.1	129.3	42.6	1079	6.16	2.8	<0.1	3	<0.1	45	<0.1	<0.1	<0.1	146	5.66	0.017	1	174	4.93	2	0.101	<20	4.72	0.011	0.02	<0.1	<0.00001	17.2	<0.1	<0.05	9	<0.5	aqua regia
Connector	95TDD004-SRK-319	0.2	97.9	0.3	44	<0.1	111.2	40.1	1212	6.32	3.3	<0.1	2.5	<0.1	66	<0.1	<0.1	<0.1	95	6.93	0.018	<1	108	4.26	7	0.002	<20	2.43	0.055	0.04	<0.1	<0.00001	18.1	<0.1	<0.05	6	<0.5	aqua regia
Connector	95TDD004-SRK-320	0.3	28.2	1.8	55	<0.1	78.7	35	1127	5.81	3.8	<0.1	2.3	0.4	73	<0.1	<0.1	<0.1	78	5.9	0.039	3	109	3.57	11	0.073	<20	2.55	0.059	0.04	<0.1	<0.00001	12.6	<0.1	0.06	5	<0.5	aqua regia
Connector	95TDD004-SRK-321	0.3	30.2	1.2	56	<0.1	74.7	33.2	1539	6.04	61.8	<0.1	3.6	<0.1	70	0.1	<0.1	<0.1	45	8.8	0.013	<1	81	3.42	9	0.032	<20	1.27	0.048	0.06	0.1	<0.00001	9.4	<0.1	0.19	2	<0.5	aqua regia
Connector	95TDD007-SRK-322	0.3	101.8	0.6	61	<0.1	103.8	45.2	1516	5.92	15.9	<0.1	3.9	<0.1	46	<0.1	0.1	<0.1	91	7.79	0.018	<1	116	2.82	8	0.073	<20	2.81	0.036	0.05	<0.1	<0.00001	10.6	<0.1	0.12	5	<0.5	aqua regia
Connector	95TDD007-SRK-323	0.5	61	3.2	55	<0.1	53.6	30.3	834	4.33	3.3	0.2	4.1	0.9	76	<0.1	<0.1	<0.1	77	3.5	0.063	5	157	2.79	10	0.154	<20	2.82	0.082	0.03	<0.1	<0.00001	7.2	<0.1	0.08	5	<0.5	aqua regia
Connector	95TDD007-SRK-324	1	51.2	2.5	54	<0.1	50.3	27.1	689	3.66	6	0.2	1.5	1.1	65	<0.1	<0.1	<0.1	69	2.47	0.069	6	155	2.17	14	0.186	<20	2.79	0.095	0.03	<0.1	<0.00001	4	<0.1	0.08	6	<0.5	aqua regia
Connector	95TDD007-SRK-325	0.2	108.3	1.2	46	<0.1	79.4	31	710	3.69	1.7	<0.1	2.2	<0.1	27	0.1	<0.1	<0.1	59	3.02	0.016	<1	128	1.8	1	0.24	<20	2.77	0.031	<0.01	0.2	<0.00001	2.7	<0.1	0.05	3	<0.5	aqua regia
Connector	95TDD008-SRK-326	0.1	78.5	0.6	60	<0.1	100.7	44.2	1288	6.69	73.7	<0.1	7.5	<0.1	41	<0.1	<0.1	<0.1	73	8.08	0.017	<1	88	3.76	7	0.001	<20	1.92	0.113	0.06	<0.1	<0.00001	15.3	<0.1	0.3	5	<0.5	aqua regia
Connector	95TDD008-SRK-327	0.2	94.2	0.9	51	0.2	84.5	39.8	1554	6.42	72.8	<0.1	39.8	<0.1	28	<0.1	0.1	<0.1	38	8.79	0.018	<1	42	2.94	7	0.003	<20	0.95	0.112	0.07	<0.1	<0.00001	11.4	<0.1	0.21	2	<0.5	aqua regia
Connector	96TDD067-SRK-WR-328	0.3	103.4	0.5	64	<0.1	105.3	36.8	909	4.77	5.4	<0.1	1.7	<0.1	22	<0.1	<0.1	<0.1	116	4.88	0.017	<1	168	3.28	1	0.18	75	3.76	0.025	0.04	<0.1	<0.00001	8.9	<0.1	0.06	7	<0.5	aqua regia
Connector	96TDD067-SRK-WR-329	0.2	103.2	0.6	94	<0.1	121.6	36.9	970	5.48	2	<0.1	2	<0.1	27	<0.1	0.1	<0.1	86	2.65	0.016	<1	128	3.6	7	0.16	<20	3.98	0.02	0.05	<0.1	<0.00001	8	<0.1	<0.05	5	<0.5	aqua regia
Connector	96TDD067-SRK-WR-330	0.2	83.7	0.9	251	<0.1	172.9	45.1	1643	10.85	3.3	<0.1	12.8	<0.1	13	<0.1	0.1	<0.1	132	4.04	0.018	<1	142	4.59	11	0.003	<20	5.54	0.016	0.13	<0.1	<0.00001	17	<0.1	0.09	9	<0.5	aqua regia
Connector	96TDD071-SRK-WR-331	0.6	23.5	1.1	145	<0.1	6.9	29.9	1800	9.36	6	0.1	11.4	0.4	91	<0.1	0.1	<0.1	50	5.41	0.095	4	33	1.7	22	0.005	<20	3.35	0.015	0.08	<0.1	<0.00001	10.4	<0.1	0.17	10	<0.5	aqua regia
Connector	96TDD071-SRK-WR-332	0.7	41	1.8	95	<0.1	40.4	35.9	1347	6.83	2.5	0.2	1.2	1	125	<0.1	0.1	<0.1	185	5.01	0.087	10	174	4.12	374	0.01	<20	3.95	0.041	0.04	<0.1	<0.00001	19.5	<0.1	0.08	13	<0.5	aqua regia
Connector	96TDD071-SRK-WR-333	0.3	36	1.1	132	<0.1	2.5	28.8	2094	9.72	3.9	<0.1	0.8	0.3	109	<0.1	<0.1	<0.1	74	6	0.087	3	21	1.41	30	0.01	<20	3.83	0.022	0.04	<0.1	<0.00001	16.7	<0.1	0.1	15	<0.5	aqua regia
Connector	96TDD071-SRK-WR-334	0.3	32.1	0.7	109	<0.1	2.9	28	2179	9.29	10.6	<0.1	33.7	0.3	74	0.2	<0.1	<0.1	29	6.12	0.088	3	22	1.54	19	0.002	<20	1.86	0.045	0.12	<0.1	<0.00001	9.3	<0.1	0.13	7	<0.5	aqua regia
Connector	96TDD075-SRK-WR-335	<0.1	93.6	1	55	<0.1	104.5	40.7	1390	6.45	43.7	<0.1	17.1	<0.1	42	<0.1	0.1	<0.1	68	8.58	0.018	<1	77	3.28	4	<0.001	<20	1.53	0.108	0.06	<0.1	<0.00001	14.3	<0.1	0.15	3	<0.5	aqua regia
Connector	96TDD075-SRK-WR-336	<0.1	86.8	1.6	51	<0.1	87.6	36.3	1436	5.94	23.5	<0.1	3.7	<0.1	46	0.1	0.1	<0.1	37	8.47	0.016	<1	52	2.88	5	<0.001	<20	0.97	0.088	0.09	<0.1	<0.00001	9.6	<0.1	0.1	2	<0.5	aqua regia

Appendix C-4: Geochemical Data - SRK Samples
Multi-element ICP data, 2008 Infill Samples

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Method
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	%	ppm	ppm	
North	96TDM097-SRK-WR-337	<0.1	48.1	0.6	108	<0.1	16.2	31.2	1637	9.82	2.7	<0.1	0.7	0.4	94	<0.1	<0.1	<0.1	111	4.04	0.087	5	31	1.89	11	0.009	<20	2.77	0.035	0.06	<0.1	<0.00001	19.6	<0.1	<0.05	13	<0.5	aqua regia
Connector	98TDD185A-SRK-WR-418	0.6	13.5	1.7	101	<0.1	23	29.9	1131	5.33	3.9	0.2	3.7	1	123	0.1	0.1	<0.1	81	5.03	0.089	9	127	3.17	24	0.004	<20	2.25	0.034	0.07	<0.1	<0.00001	10.3	<0.1	0.07	8	<0.5	aqua regia
Connector	TDD307-SRK-WR-545	0.2	98.6	0.7	36	<0.1	84	39.7	1273	5.39	73.6	<0.1	11.4	<0.1	29	<0.1	0.2	<0.1	30	7.34	0.016	<1	58	3.29	4	<0.001	<20	0.69	0.044	0.04	<0.1	<0.00001	10.7	<0.1	0.36	2	<0.5	aqua regia
Connector	TDD307-SRK-WR-546	0.1	91.1	0.4	57	<0.1	119.8	42.4	1238	5.32	58	<0.1	105.7	<0.1	29	<0.1	<0.1	<0.1	87	5.52	0.016	<1	106	4.2	1	0.007	<20	2.76	0.03	0.02	<0.1	<0.00001	15.2	<0.1	0.06	6	<0.5	aqua regia
Connector	TDD307-SRK-WR-547	0.1	62.5	0.5	49	<0.1	103.9	36.9	1062	4.6	16.7	<0.1	3	<0.1	20	<0.1	0.1	<0.1	73	5.06	0.017	<1	113	3.86	1	0.048	<20	2.72	0.027	0.01	<0.1	<0.00001	12.6	<0.1	<0.05	5	<0.5	aqua regia
Connector	TDD317-SRK-WR-338	<0.1	31.5	0.6	81	<0.1	3.2	26.9	1737	9.25	10.6	<0.1	0.9	0.3	27	0.1	<0.1	<0.1	21	4.7	0.09	2	31	1.54	11	0.001	<20	1.26	0.108	0.08	<0.1	<0.00001	10	<0.1	0.11	4	<0.5	aqua regia
Connector	TDD318-SRK-WR-339	<0.1	27.7	0.7	62	<0.1	2.1	22.8	2158	8.95	17.4	<0.1	1.1	0.3	44	<0.1	<0.1	<0.1	17	6.06	0.088	2	33	1.53	12	0.002	<20	1.05	0.112	0.1	<0.1	<0.00001	9.3	<0.1	0.11	3	<0.5	aqua regia
Connector	TDD318-SRK-WR-340	<0.1	32	0.8	66	<0.1	1.6	23.6	2090	9.05	15.3	<0.1	15.1	0.3	40	<0.1	<0.1	<0.1	17	5.62	0.091	2	30	1.48	13	0.002	<20	1.15	0.091	0.11	<0.1	<0.00001	9.5	<0.1	0.15	4	<0.5	aqua regia
Connector	TDD318-SRK-WR-341	<0.1	212.3	2.1	66	0.2	11.4	45.1	1896	8.54	22.2	<0.1	596.6	0.2	41	<0.1	<0.1	0.4	17	5.75	0.099	<1	63	1.59	13	0.002	<20	1.33	0.08	0.13	<0.1	<0.00001	9.5	<0.1	3.07	5	2.6	aqua regia
Connector	TDD320A-SRK-WR-342	<0.1	31.8	0.8	113	<0.1	1.9	26	2082	8.79	20.9	<0.1	9.8	0.2	54	0.1	<0.1	<0.1	12	5.79	0.086	2	16	1.41	12	<0.001	<20	0.4	0.111	0.07	<0.1	<0.00001	8.8	<0.1	0.2	1	<0.5	aqua regia
Connector	TDD320A-SRK-WR-343	<0.1	35	1	93	0.1	2.4	26.6	1810	9.03	8.6	<0.1	650.6	0.2	49	0.1	<0.1	<0.1	9	5.03	0.091	1	28	1.34	14	0.001	<20	0.42	0.105	0.08	<0.1	<0.00001	8.5	<0.1	0.96	1	0.6	aqua regia
Connector	TDD320A-SRK-WR-344	<0.1	28.9	0.6	106	<0.1	1.6	25.8	1982	9.11	19.8	<0.1	7.4	0.3	55	0.1	<0.1	<0.1	9	5.28	0.086	2	20	1.32	16	0.001	<20	0.42	0.086	0.11	<0.1	<0.00001	7.1	<0.1	0.16	2	<0.5	aqua regia
Connector	TDD320A-SRK-WR-345	<0.1	29.5	0.8	131	<0.1	2	28	2176	10.06	11.3	<0.1	1.4	0.3	70	0.1	<0.1	<0.1	37	5.61	0.089	3	24	1.53	18	0.003	<20	1.95	0.035	0.1	<0.1	<0.00001	11.3	<0.1	0.14	10	<0.5	aqua regia
Connector	TDD327-SRK-WR-419	0.2	89.5	0.5	55	<0.1	90.8	38.8	1384	5.8	11.4	<0.1	5.7	<0.1	31	<0.1	<0.1	<0.1	74	8.36	0.015	<1	89	2.83	4	0.001	<20	1.62	0.044	0.02	<0.1	<0.00001	14.2	<0.1	0.06	4	<0.5	aqua regia
Connector	TDD327-SRK-WR-420	0.2	80.9	0.6	46	<0.1	92	39.6	1322	5.92	49.6	<0.1	6.5	<0.1	37	0.1	<0.1	<0.1	59	7.94	0.015	<1	79	3.55	2	<0.001	<20	1.39	0.042	0.02	<0.1	<0.00001	14	<0.1	0.25	3	<0.5	aqua regia
Connector	TDD329-SRK-WR-346	<0.1	30.2	0.7	116	<0.1	1.8	28.5	1888	9.85	12.1	<0.1	1.6	0.3	39	0.1	<0.1	<0.1	9	5.15	0.091	3	29	1.49	10	<0.001	<20	0.35	0.086	0.06	<0.1	<0.00001	9.4	<0.1	0.14	1	0.7	aqua regia
Connector	TDD329-SRK-WR-347	<0.1	34.3	0.8	106	<0.1	5	27.8	1699	9.62	11.3	<0.1	62.8	0.3	43	0.2	<0.1	<0.1	17	5.1	0.087	2	37	1.48	8	0.001	<20	0.52	0.077	0.05	<0.1	<0.00001	11.4	<0.1	0.25	2	<0.5	aqua regia
Connector	TDD329-SRK-WR-348	<0.1	36	0.7	142	<0.1	1.2	27.3	1439	10.01	2.6	<0.1	7	0.3	55	<0.1	<0.1	<0.1	61	3.71	0.093	3	26	1.49	1	0.006	<20	2.9	0.028	<0.01	<0.1	<0.00001	18.7	<0.1	0.19	16	<0.5	aqua regia
Connector	TDD329-SRK-WR-349	<0.1	63.2	1.3	44	0.2	90.5	41.7	1450	6.04	35.1	<0.1	14.7	<0.1	34	0.1	<0.1	<0.1	18	8.87	0.023	<1	44	2.62	5	<0.001	<20	0.43	0.102	0.05	<0.1	<0.00001	10.4	<0.1	0.26	<1	<0.5	aqua regia
Connector	TDD329-SRK-WR-350	<0.1	87.2	0.4	53	<0.1	91	40.8	1336	6.09	2.6	<0.1	13.4	<0.1	26	<0.1	<0.1	<0.1	65	8.02	0.016	<1	78	3.18	2	<0.001	<20	1.51	0.084	0.03	<0.1	<0.00001	13.8	<0.1	0.11	4	<0.5	aqua regia
Connector	TDD409-SRK-WR-421	0.4	29.9	0.7	122	<0.1	2.9	28.5	2474	9.55	1.9	<0.1	1.2	0.2	48	0.1	<0.1	<0.1	51	5.66	0.093	2	36	1.53	15	0.003	<20	2.25	0.038	0.05	<0.1	<0.00001	14.6	<0.1	0.1	12	<0.5	aqua regia
Connector	TDD409-SRK-WR-422	0.4	25	0.7	158	<0.1	2.7	30.2	2320	10.18	2.1	<0.1	0.6	0.3	45	0.2	<0.1	<0.1	42	5.82	0.093	3	38	1.56	16	0.002	<20	1.93	0.07	0.07	<0.1	<0.00001	13.8	<0.1	0.11	9	<0.5	aqua regia
Connector	TDD409-SRK-WR-423	0.4	31.2	0.8	129	<0.1	3	31	2193	9.52	6.6	<0.1	1.1	0.4	46	0.1	<0.1	<0.1	33	5.58	0.09	3	45	1.5	19	0.002	<20	1.56	0.099	0.09	<0.1	<0.00001	11.7	<0.1	0.12	7	<0.5	aqua regia
Connector	TDD409-SRK-WR-424	0.4	33.6	0.6	134	<0.1	2.3	28.9	2441	10.78	1.9	<0.1	2.5	0.2	60	<0.1	<0.1	<0.1	56	5.83	0.09	3	20	1.97	23	0.004	<20	3.24	0.03	0.07	<0.1	<0.00001	13.8	<0.1	0.1	13	<0.5	aqua regia
Connector	TDD409-SRK-WR-425	0.8	16.6	1.3	91	<0.1	21.5	30.6	1334	6.13	1.7	0.2	<0.5	1.1	105	0.1	<0.1	<0.1	142	4.29	0.1	12	139	3.39	16	0.005	<20	3.08	0.052	0.04	<0.1	<0.00001	13.9	<0.1	0.06	11	<0.5	aqua regia
Connector	TDD409-SRK-WR-426	0.2	91.8	0.3	53	<0.1	97.1	44	1465	6.35	25.7	<0.1	3.7	<0.1	16	<0.1	<0.1	<0.1	61	8.42	0.016	<1	81	2.81	4	<0.001	<20	1.36	0.115	0.03	<0.1	<0.00001	14.1	<0.1	0.07	4	<0.5	aqua regia
Connector	TDD409-SRK-WR-427	0.1	95.9	0.3	54	<0.1	93.8	42.7	1367	6.22	4	<0.1	5.2	<0.1	16	<0.1	<0.1	<0.1	81	7.91	0.016	<1	92	3.27	3	<0.001	<20	1.9	0.103	0.02	2.4	<0.00001	15.6	<0.1	0.1	5	<0.5	aqua regia
Connector	TDD409-SRK-WR-428	0.2	94.2	0.4	53	<0.1	108.4	42.5	1384	6.17	13.4	<0.1	3.3	<0.1	18	<0.1	<0.1	<0.1	68	8.33	0.017	<1	78	2.96	6	<0.001	<20	1.47	0.138	0.03	<0.1	<0.00001	14.8	<0.1	0.05	4	<0.5	aqua regia
Connector	TDD409-SRK-WR-429	0.3	92.9	0.4	60	<0.1	104.4	44	1320	6.21	18	<0.1	1.5	<0.1	37	<0.1	<0.1	<0.1	155	8.4	0.016	<1	138	3.16	7	0.002	<20	4.01	0.059	0.02	<0.1	<0.00001	20.5	<0.1	0.07	9	<0.5	aqua regia
Connector	TDD409-SRK-WR-430	0.2	96.5	0.3	57	<0.1	120.9	44.5	1319	6.48	2.3	<0.1	1.9	<0.1	29	<0.1	<0.1	<0.1	155	7.66	0.017	<1	140	4.09	2	0.003	<20	4.02	0.061	0.01	<0.1	<0.00001	21.5	<0.1	<0.05	9	<0.5	aqua regia
Connector	TDD409-SRK-WR-431	0.2	94.5	0.8	51	<0.1	90.8	40.9	1595	6.45	40	<0.1	6.5	<0.1	41	0.1	<0.1	<0.1	58	7.61	0.017	<1	75	3.49	7	<0.001	<20	1.75	0.072	0.13	<0.1	<0.00001	12.9	<0.1	0.12	3	<0.5	aqua regia
Connector	TDD409-SRK-WR-432	0.4	33.9	0.9	132	<0.1	1.6	30.2	2016	10.05	1.9	<0.1	<0.5	0.2	89	0.2	<0.1	<0.1	79	5.65	0.087	3	15	1.51	3	0.009	<20	3.11	0.04	<0.01	<0.1	<0.00001	20.7	<0.1	0.13	16	<0.5	aqua regia

Appendix C-6: Geochemical Data - SRK Samples
Multi-element ICP data, 2010 Samples (Doris North Decline, Doris tunnel & Doris Central Diabase Sampling Programs)

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm
Central	1056308	0.2	250	2.3	71	0.1	30.9	21.2	443	4.34	0.5	<0.1	4.8	0.4	53	<0.1	<0.1	<0.1	244	1.56	0.058	3	13	0.78	15	0.282	<20	2.44	0.456	0.16	<0.1	<10	2.9	<0.1	<0.05	9	<0.5	<0.2
Central	1056309	0.3	315.8	1.8	76	0.1	22	21	458	4.94	0.7	<0.1	5.6	0.5	48	<0.1	<0.1	<0.1	303	1.62	0.076	4	13	0.68	20	0.269	222	2.29	0.395	0.2	<0.1	<10	3.1	<0.1	<0.05	10	<0.5	<0.2
Central	05TDD584-SRK-WR-824	0.8	38.8	1	78	<0.1	13.2	26.2	2102	8.19	8.9	<0.1	83.4	0.3	44	<0.1	<0.1	<0.1	19	6.05	0.073	3	93	1.81	10	0.002	<20	1.42	0.045	0.05	0.1	<10	11.6	<0.1	0.09	4	<0.5	<0.2
Central	05TDD584-SRK-WR-825	0.8	38.2	1.3	138	<0.1	3.8	32.3	1659	8.79	32.4	<0.1	272.4	0.2	50	0.1	<0.1	<0.1	31	4.69	0.082	1	81	1.26	7	0.003	<20	1.99	0.023	0.04	3.4	<10	9.8	<0.1	0.72	8	<0.5	<0.2
Central	TDD382-SRK-WR-851	0.4	36.1	0.7	119	<0.1	1.6	27.2	2230	9.12	2.2	<0.1	2.8	0.2	58	0.1	<0.1	<0.1	27	5.93	0.094	2	18	1.51	10	0.002	<20	1.71	0.023	0.06	<0.1	<10	10.3	<0.1	0.13	7	0.6	<0.2
Connector	06TDD607-SRK-WR-826	0.5	32.1	0.8	107	<0.1	2.9	29	2247	8.71	3	<0.1	3.4	0.3	49	0.2	<0.1	<0.1	40	5.56	0.086	3	28	1.57	14	0.003	<20	1.95	0.035	0.07	<0.1	<10	13.7	<0.1	0.14	10	<0.5	<0.2
Connector	96TDM098-SRK-WR-835	0.4	72.4	0.8	73	<0.1	17.3	34.7	1777	9.31	24.9	<0.1	1.2	0.2	38	0.1	<0.1	<0.1	20	5.35	0.067	3	50	1.75	15	0.001	<20	0.61	0.071	0.13	<0.1	<10	7.7	<0.1	0.22	2	<0.5	<0.2
Connector	96TDM098-SRK-WR-836	0.4	31.4	0.7	71	<0.1	5.7	28	2234	9.72	8.3	<0.1	<0.5	0.4	34	<0.1	<0.1	<0.1	13	4.96	0.086	3	43	1.46	20	0.002	<20	0.7	0.093	0.1	<0.1	<10	8.5	<0.1	0.1	2	<0.5	<0.2
North	02TDD565-SRK-WR-678	0.6	25.4	0.6	179	<0.1	1.2	27.7	1775	10.12	1.7	<0.1	<0.5	0.3	38	0.1	<0.1	<0.1	56	4.7	0.095	4	25	1.71	7	0.008	<20	3.08	0.031	0.05	<0.1	<10	15.6	<0.1	0.14	13	<0.5	--
North	02TDD565-SRK-WR-679	0.3	28.7	0.9	117	<0.1	2.8	27.8	1642	9.66	<0.5	<0.1	1.1	0.3	51	<0.1	<0.1	<0.1	61	5.21	0.086	3	35	1.25	22	0.035	<20	2.92	0.02	0.07	<0.1	<10	13.9	<0.1	0.1	14	<0.5	--
North	02TDD565-SRK-WR-680	0.2	97.4	0.2	45	<0.1	95.9	35.8	875	5.17	<0.5	<0.1	2.4	<0.1	32	<0.1	<0.1	<0.1	116	1.96	0.019	2	226	3.57	6	0.269	<20	3.23	0.053	0.04	<0.1	<10	6.1	<0.1	<0.05	7	0.5	--
North	02TDD565-SRK-WR-681	0.6	19.1	9.4	186	<0.1	2.3	29.4	1156	10.71	4.1	<0.1	108.9	0.4	22	0.2	<0.1	<0.1	68	4.92	0.129	4	65	1.6	37	0.1	<20	3.87	0.038	0.23	0.3	<10	14.3	<0.1	0.3	17	0.6	--
North	08TDD632-SRK-WR-682	0.5	83.2	1	20	<0.1	4.8	27.6	564	9.93	<0.5	<0.1	7.2	0.7	17	<0.1	<0.1	<0.1	92	0.55	0.105	4	55	1.53	138	0.363	<20	3.46	0.078	1.58	0.3	<10	19.7	0.3	<0.05	18	<0.5	--
North	08TDD632-SRK-WR-683	0.3	295.4	2.1	58	<0.1	18.3	13.9	301	3.75	<0.5	<0.1	8	0.4	44	<0.1	<0.1	<0.1	251	1.38	0.059	4	35	0.52	25	0.213	<20	1.98	0.386	0.16	<0.1	<10	2.3	<0.1	<0.05	8	<0.5	--
North	08TDD632-SRK-WR-684	0.2	288.1	1	52	<0.1	21.9	14	295	3.78	<0.5	<0.1	7.4	0.5	51	<0.1	<0.1	<0.1	246	1.47	0.062	4	37	0.56	25	0.22	<20	2.05	0.395	0.15	<0.1	<10	2.5	<0.1	<0.05	8	<0.5	--
North	95TDD063-SRK-WR-827	0.6	44.8	0.6	91	<0.1	2.6	25.6	2478	8.96	1.5	<0.1	1.4	0.3	71	<0.1	<0.1	<0.1	23	6.26	0.086	4	52	1.5	31	0.002	<20	1.07	0.119	0.14	<0.1	<10	11.5	<0.1	0.08	4	<0.5	<0.2
North	95TDD063-SRK-WR-828	0.5	33.9	0.7	93	<0.1	1.9	26.2	2129	8.85	5.2	<0.1	<0.5	0.3	66	<0.1	<0.1	<0.1	37	5.56	0.086	3	50	1.46	12	0.002	<20	1.77	0.086	0.07	<0.1	<10	16.3	<0.1	0.15	8	<0.5	<0.2
North	95TDD063-SRK-WR-829	0.6	35.7	0.8	98	<0.1	2.2	29.1	2242	8.76	6.9	<0.1	109.3	0.3	52	<0.1	<0.1	<0.1	34	5.47	0.086	3	59	1.55	15	0.002	<20	1.64	0.1	0.08	<0.1	<10	16.4	<0.1	0.32	7	<0.5	<0.2
North	95TDD063-SRK-WR-830	0.9	36	1.4	40	<0.1	2.7	28.2	2066	8.37	20.5	<0.1	27.7	0.3	37	<0.1	<0.1	<0.1	20	5.38	0.086	3	71	1.86	24	0.002	<20	1.61	0.057	0.18	<0.1	<10	10.1	<0.1	0.78	5	<0.5	<0.2
North	95TDD063-SRK-WR-831	0.6	30.6	0.5	81	<0.1	3.4	25.9	1798	9.31	4.3	<0.1	4	0.3	25	<0.1	<0.1	<0.1	33	5.06	0.085	5	53	2.29	18	0.003	<20	3.03	0.048	0.1	<0.1	<10	13	<0.1	0.13	9	<0.5	<0.2
North	95TDD063-SRK-WR-832	0.6	25.6	0.5	122	<0.1	2.8	29.3	2269	10.03	1.9	<0.1	2	0.3	44	<0.1	<0.1	<0.1	47	5.29	0.086	3	37	1.69	19	0.005	<20	2.67	0.038	0.08	<0.1	<10	14.8	<0.1	0.09	12	<0.5	<0.2
North	95TDD063-SRK-WR-833	0.7	93.7	0.9	135	<0.1	12.1	35.2	1883	11.52	10.1	<0.1	3.1	0.2	41	<0.1	<0.1	<0.1	148	3.78	0.08	2	40	2.3	4	0.01	<20	3.72	0.03	0.03	<0.1	<10	22	<0.1	0.64	16	0.8	<0.2
North	95TDD063-SRK-WR-834	0.4	65	0.5	121	<0.1	22.5	37	1490	10.51	6.7	<0.1	1.6	0.3	41	<0.1	<0.1	<0.1	163	4.56	0.073	4	48	2.16	4	0.014	<20	4.04	0.02	0.03	<0.1	<10	24.8	<0.1	0.18	17	<0.5	<0.2
North	TDD207-SRK-WR-837	1.4	29	2.9	36	0.2	4.5	21.8	1661	6.54	35.5	<0.1	65.4	0.2	38	<0.1	<0.1	0.1	5	3.91	0.072	<1	80	1.18	10	<0.001	<20	0.27	0.038	0.09	<0.1	<10	6	<0.1	1.71	<1	1	<0.2
North	TDD207-SRK-WR-838	0.5	29	1.4	69	<0.1	2.4	24.4	2303	8.84	8.7	<0.1	1.7	0.2	59	0.2	<0.1	<0.1	7	6.22	0.081	2	49	1.43	13	0.001	<20	0.36	0.046	0.11	<0.1	<10	7.4	<0.1	0.14	1	<0.5	<0.2
North	TDD207-SRK-WR-839	0.7	35.9	1.1	61	0.1	3.9	23.7	2020	7.8	7.3	<0.1	581.6	0.2	50	<0.1	<0.1	<0.1	8	5.88	0.082	2	67	1.23	10	0.001	<20	0.52	0.054	0.06	<0.1	<10	8.9	<0.1	0.44	2	<0.5	<0.2
North	TDD216A-SRK-WR-840	0.4	30.6	3.2	44	0.3	3.5	25.9	1950	8.48	44.7	<0.1	159.2	0.2	35	<0.1	<0.1	0.1	8	4.72	0.082	1	32	1.56	11	<0.001	<20	0.33	0.048	0.1	<0.1	<10	8.5	<0.1	2.04	1	0.6	<0.2
North	TDD216A-SRK-WR-841	0.3	63.9	0.9	118	<0.1	17.5	30.7	1643	8.6	9.7	<0.1	22.5	0.2	48	0.2	<0.1	<0.1	61	4.14	0.066	2	27	1.96	11	0.002	<20	1.27	0.035	0.08	<0.1	<10	12.9	<0.1	0.28	6	0.9	<0.2
North	TDD216A-SRK-WR-842	0.3	40.2	0.3	90	<0.1	16.5	27.9	1541	8.21	17.4	<0.1	58.9	0.1	39	<0.1	<0.1	<0.1	93	3.67	0.069	2	35	1.6	5	0.004	<20	2	0.022	0.03	<0.1	<10	16.9	<0.1	0.16	10	<0.5	<0.2
North	TDD216A-SRK-WR-843	0.4	55.5	0.4	94	<0.1	19	30.5	1704	8.95	19.5	<0.1	8.3	0.1	42	0.2	<0.1	<0.1	55	4.79	0.069	2	23	1.87	9	0.002	<20	1.32	0.022	0.08	<0.1	<10	11.6	<0.1	0.26	6	<0.5	<0.2
North	TDD216A-SRK-WR-844	0.2	57.9	0.8	105	<0.1	16.5	33.3	2205	9.57	27.1	<0.1	188.2	0.1	36	<0.1	<0.1	<0.1	80	5.56	0.075	1	22	2.05	7	0.002	<20	1.71	0.027	0.05	<0.1	<10	13.7	<0.1	1.14	7	0.7	<0.2
North	TDD219-SRK-WR-845	0.4	71.8	2.1	66	0.2	10.6	28.8	1713	7.92	32.3	<0.1	173.9	0.2	31	<0.1	<0.1	<0.1	28	4.71	0.077	1	28	1.85	9	<0.001	<20	0.72	0.046	0.08	<0.1	<10	10.4	<0.1	1.7	3	1.1	<0.2
North	TDD219-SRK-WR-846	0.6	55	0.6	178	<0.1	17.8	32.8	1708	9.09	8.1	<0.1	50.4	0.1	42	0.3	<0.1	<0.1	66	3.84	0.077	2	28	1.7	7	0.002	<20	1.43	0.036	0.05	<0.1	<10	16.3	<0.1	0.43	8	<0.5	<0.2
North	TDD219-SRK-WR-847	0.4	54	0.8	74	<0.1	21.8	29.3	1603	8	37.3	<0.1	50.2	0.1	39	<0.1	<0.1	<0.1	40	4.29	0.067	1	28	1.77	8	0.002	<20	1.08	0.036	0.07	<0.1	<10	12.9	<0.1	1.03	4	0.6	<0.2
North	TDD219-SRK-WR-848	0.5	79	1	80	0.1	14.2	29.4	2169	9.3	42.4	<0.1	173.9	0.1	34	<0.1	<0.1	<0.1	43	5.03	0.074	1	26	1.89	6	0.002	<20	1.38	0.034	0.05	<0.1	<10	13.8	<0.1	1.6	6	1.1	0.3
North	TDD224-SRK-WR-849	0.3	36.6	1.1	84	0.1	4.2	28.2	2111	9.01	19.3	<0.1	116.6	0.1	25	<0.1	<0.1	<0.1	19	4.87	0.089	1	17	1.79	9	0.002	<20	1.21	0.034	0.07	<0.1	<10	9.5	<0.1	0.98	5	0.9	<0.2
North	TDD224-SRK-WR-850	0.4	38.6	1.1	89	0.1	2.7	30.3	1882	9.83	52.8	<0.1	279.7	0.1	27	0.1	<0.1	<0.1	16	5.12	0.082	<1	31	1.32	7	0.001	<20	0.89	0.05	0.06	<0.1	<10	10.1	<0.1	2.51	4	1.6	<0.2

Appendix C-5: Geochemical Data - SRK Samples
Acid-Base Accounting Data, 2010 Samples (Doris North Decline, Doris tunnel & Doris Central Diabase Sampling Programs)

Zone	Lab ID	Paste pH	Total S (Wt.%)	Sulphate (Wt.%)	Total C (Wt.%C)	TIC (Meas'd) ($Wt.\%CO_2$)	Modified NP $kgCaCO_3/t$	Fizz
Central	1056308	10	0.02	<0.01	--	0.1	16.3	None
Central	1056309	9.63	0.03	<0.01	--	0.21	18.4	Slight
Central	05TDD584-SRK-WR-824	9.02	0.09	<0.01	3.87	15.29	216.6	Strong
Central	05TDD584-SRK-WR-825	9.3	0.73	<0.01	2.76	10.38	163.4	Strong
Central	TDD382-SRK-WR-851	8.99	0.12	<0.01	4.03	13.72	195.3	Strong
Connector	06TDD607-SRK-WR-826	8.66	0.12	<0.01	3.57	12.43	189.1	Strong
Connector	96TDM098-SRK-WR-835	9.53	0.22	<0.01	4.08	16.57	182.2	Strong
Connector	96TDM098-SRK-WR-836	9.47	0.1	<0.01	4.55	15.4	147.2	Strong
North	02TDD565-SRK-WR-678	8.41	0.15	<0.01	2.36	8.76	142.3	Strong
North	02TDD565-SRK-WR-679	8.19	0.12	<0.01	1.92	7.22	136.8	Strong
North	02TDD565-SRK-WR-680	8.63	0.02	<0.01	0.48	1.82	44.8	Strong
North	02TDD565-SRK-WR-681	8.09	0.33	<0.01	1.44	5.24	125.0	Strong
North	08TDD632-SRK-WR-682	8.46	<0.02	<0.01	0.05	0.15	21.7	None
North	08TDD632-SRK-WR-683	9.02	0.02	<0.01	0.05	0.11	13.1	None
North	08TDD632-SRK-WR-684	8.94	0.02	<0.01	0.04	-0.02	14.7	None
North	95TDD063-SRK-WR-827	9.22	0.08	<0.01	4.67	15.73	210.3	Strong
North	95TDD063-SRK-WR-828	8.94	0.15	<0.01	3.68	12.47	167.9	Strong
North	95TDD063-SRK-WR-829	8.92	0.32	0.01	3.84	12.72	188.4	Strong
North	95TDD063-SRK-WR-830	8.72	0.76	0.01	3.81	12.87	171.6	Strong
North	95TDD063-SRK-WR-831	8.52	0.13	<0.01	3.21	9.83	179.7	Strong
North	95TDD063-SRK-WR-832	8.57	0.09	<0.01	3.34	11	157.2	Strong
North	95TDD063-SRK-WR-833	8.46	0.54	0.01	2.23	7.63	131.3	Strong
North	95TDD063-SRK-WR-834	8.38	0.17	<0.01	1.6	5.21	123.9	Strong
North	TDD207-SRK-WR-837	8.63	1.78	0.01	3.2	10.71	130.5	Strong
North	TDD207-SRK-WR-838	9.03	0.14	<0.01	4.8	16.07	209.7	Strong
North	TDD207-SRK-WR-839	9.15	0.45	<0.01	4.19	14.82	171.6	Strong
North	TDD216A-SRK-WR-840	8.65	1.88	0.01	3.94	13.65	172.1	Strong
North	TDD216A-SRK-WR-841	9.1	0.28	<0.01	3.84	13.17	148.4	Strong
North	TDD216A-SRK-WR-842	8.95	0.17	<0.01	2.77	9.47	138.9	Strong
North	TDD216A-SRK-WR-843	8.91	0.27	<0.01	4.14	13.98	194.6	Strong
North	TDD216A-SRK-WR-844	8.77	1.22	0.01	4.22	14.93	209.0	Strong
North	TDD219-SRK-WR-845	8.7	1.71	0.01	3.85	12.77	161.5	Strong
North	TDD219-SRK-WR-846	8.94	0.43	0.01	3.42	11.63	132.8	Strong
North	TDD219-SRK-WR-847	8.77	1.09	0.01	3.52	13.06	159.7	Strong
North	TDD219-SRK-WR-848	8.63	1.73	0.01	3.91	13.72	183.4	Strong
North	TDD224-SRK-WR-849	8.66	0.94	0.01	4.11	13.5	159.0	Strong
North	TDD224-SRK-WR-850	8.67	2.68	0.01	3.86	13.65	163.5	Strong

Appendix C-6: Geochemical Data - SRK Samples
Multi-element ICP data, 2010 Samples (Doris North Decline, Doris tunnel & Doris Central Diabase Sampling Programs)

Zone	Lab ID	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm
Central	1056308	0.2	250	2.3	71	0.1	30.9	21.2	443	4.34	0.5	<0.1	4.8	0.4	53	<0.1	<0.1	<0.1	244	1.56	0.058	3	13	0.78	15	0.282	<20	2.44	0.456	0.16	<0.1	<10	2.9	<0.1	<0.05	9	<0.5	<0.2
Central	1056309	0.3	315.8	1.8	76	0.1	22	21	458	4.94	0.7	<0.1	5.6	0.5	48	<0.1	<0.1	<0.1	303	1.62	0.076	4	13	0.68	20	0.269	222	2.29	0.395	0.2	<0.1	<10	3.1	<0.1	<0.05	10	<0.5	<0.2
Central	05TDD584-SRK-WR-824	0.8	38.8	1	78	<0.1	13.2	26.2	2102	8.19	8.9	<0.1	83.4	0.3	44	<0.1	<0.1	<0.1	19	6.05	0.073	3	93	1.81	10	0.002	<20	1.42	0.045	0.05	0.1	<10	11.6	<0.1	0.09	4	<0.5	<0.2
Central	05TDD584-SRK-WR-825	0.8	38.2	1.3	138	<0.1	3.8	32.3	1659	8.79	32.4	<0.1	272.4	0.2	50	0.1	<0.1	<0.1	31	4.69	0.082	1	81	1.26	7	0.003	<20	1.99	0.023	0.04	3.4	<10	9.8	<0.1	0.72	8	<0.5	<0.2
Central	TDD382-SRK-WR-851	0.4	36.1	0.7	119	<0.1	1.6	27.2	2230	9.12	2.2	<0.1	2.8	0.2	58	0.1	<0.1	<0.1	27	5.93	0.094	2	18	1.51	10	0.002	<20	1.71	0.023	0.06	<0.1	<10	10.3	<0.1	0.13	7	0.6	<0.2
Connector	06TDD607-SRK-WR-826	0.5	32.1	0.8	107	<0.1	2.9	29	2247	8.71	3	<0.1	3.4	0.3	49	0.2	<0.1	<0.1	40	5.56	0.086	3	28	1.57	14	0.003	<20	1.95	0.035	0.07	<0.1	<10	13.7	<0.1	0.14	10	<0.5	<0.2
Connector	96TDM098-SRK-WR-835	0.4	72.4	0.8	73	<0.1	17.3	34.7	1777	9.31	24.9	<0.1	1.2	0.2	38	0.1	<0.1	<0.1	20	5.35	0.067	3	50	1.75	15	0.001	<20	0.61	0.071	0.13	<0.1	<10	7.7	<0.1	0.22	2	<0.5	<0.2
Connector	96TDM098-SRK-WR-836	0.4	31.4	0.7	71	<0.1	5.7	28	2234	9.72	8.3	<0.1	<0.5	0.4	34	<0.1	<0.1	<0.1	13	4.96	0.086	3	43	1.46	20	0.002	<20	0.7	0.093	0.1	<0.1	<10	8.5	<0.1	0.1	2	<0.5	<0.2
North	02TDD565-SRK-WR-678	0.6	25.4	0.6	179	<0.1	1.2	27.7	1775	10.12	1.7	<0.1	<0.5	0.3	38	0.1	<0.1	<0.1	56	4.7	0.095	4	25	1.71	7	0.008	<20	3.08	0.031	0.05	<0.1	<10	15.6	<0.1	0.14	13	<0.5	--
North	02TDD565-SRK-WR-679	0.3	28.7	0.9	117	<0.1	2.8	27.8	1642	9.66	<0.5	<0.1	1.1	0.3	51	<0.1	<0.1	<0.1	61	5.21	0.086	3	35	1.25	22	0.035	<20	2.92	0.02	0.07	<0.1	<10	13.9	<0.1	0.1	14	<0.5	--
North	02TDD565-SRK-WR-680	0.2	97.4	0.2	45	<0.1	95.9	35.8	875	5.17	<0.5	<0.1	2.4	<0.1	32	<0.1	<0.1	<0.1	116	1.96	0.019	2	226	3.57	6	0.269	<20	3.23	0.053	0.04	<0.1	<10	6.1	<0.1	<0.05	7	0.5	--
North	02TDD565-SRK-WR-681	0.6	19.1	9.4	186	<0.1	2.3	29.4	1156	10.71	4.1	<0.1	108.9	0.4	22	0.2	<0.1	<0.1	68	4.92	0.129	4	65	1.6	37	0.1	<20	3.87	0.038	0.23	0.3	<10	14.3	<0.1	0.3	17	0.6	--
North	08TDD632-SRK-WR-682	0.5	83.2	1	20	<0.1	4.8	27.6	564	9.93	<0.5	<0.1	7.2	0.7	17	<0.1	<0.1	<0.1	92	0.55	0.105	4	55	1.53	138	0.363	<20	3.46	0.078	1.58	0.3	<10	19.7	0.3	<0.05	18	<0.5	--
North	08TDD632-SRK-WR-683	0.3	295.4	2.1	58	<0.1	18.3	13.9	301	3.75	<0.5	<0.1	8	0.4	44	<0.1	<0.1	<0.1	251	1.38	0.059	4	35	0.52	25	0.213	<20	1.98	0.386	0.16	<0.1	<10	2.3	<0.1	<0.05	8	<0.5	--
North	08TDD632-SRK-WR-684	0.2	288.1	1	52	<0.1	21.9	14	295	3.78	<0.5	<0.1	7.4	0.5	51	<0.1	<0.1	<0.1	246	1.47	0.062	4	37	0.56	25	0.22	<20	2.05	0.395	0.15	<0.1	<10	2.5	<0.1	<0.05	8	<0.5	--
North	95TDD063-SRK-WR-827	0.6	44.8	0.6	91	<0.1	2.6	25.6	2478	8.96	1.5	<0.1	1.4	0.3	71	<0.1	<0.1	<0.1	23	6.26	0.086	4	52	1.5	31	0.002	<20	1.07	0.119	0.14	<0.1	<10	11.5	<0.1	0.08	4	<0.5	<0.2
North	95TDD063-SRK-WR-828	0.5	33.9	0.7	93	<0.1	1.9	26.2	2129	8.85	5.2	<0.1	<0.5	0.3	66	<0.1	<0.1	<0.1	37	5.56	0.086	3	50	1.46	12	0.002	<20	1.77	0.086	0.07	<0.1	<10	16.3	<0.1	0.15	8	<0.5	<0.2
North	95TDD063-SRK-WR-829	0.6	35.7	0.8	98	<0.1	2.2	29.1	2242	8.76	6.9	<0.1	109.3	0.3	52	<0.1	<0.1	<0.1	34	5.47	0.086	3	59	1.55	15	0.002	<20	1.64	0.1	0.08	<0.1	<10	16.4	<0.1	0.32	7	<0.5	<0.2
North	95TDD063-SRK-WR-830	0.9	36	1.4	40	<0.1	2.7	28.2	2066	8.37	20.5	<0.1	27.7	0.3	37	<0.1	<0.1	<0.1	20	5.38	0.086	3	71	1.86	24	0.002	<20	1.61	0.057	0.18	<0.1	<10	10.1	<0.1	0.78	5	<0.5	<0.2
North	95TDD063-SRK-WR-831	0.6	30.6	0.5	81	<0.1	3.4	25.9	1798	9.31	4.3	<0.1	4	0.3	25	<0.1	<0.1	<0.1	33	5.06	0.085	5	53	2.29	18	0.003	<20	3.03	0.048	0.1	<0.1	<10	13	<0.1	0.13	9	<0.5	<0.2
North	95TDD063-SRK-WR-832	0.6	25.6	0.5	122	<0.1	2.8	29.3	2269	10.03	1.9	<0.1	2	0.3	44	<0.1	<0.1	<0.1	47	5.29	0.086	3	37	1.69	19	0.005	<20	2.67	0.038	0.08	<0.1	<10	14.8	<0.1	0.09	12	<0.5	<0.2
North	95TDD063-SRK-WR-833	0.7	93.7	0.9	135	<0.1	12.1	35.2	1883	11.52	10.1	<0.1	3.1	0.2	41	<0.1	<0.1	<0.1	148	3.78	0.08	2	40	2.3	4	0.01	<20	3.72	0.03	0.03	<0.1	<10	22	<0.1	0.64	16	0.8	<0.2
North	95TDD063-SRK-WR-834	0.4	65	0.5	121	<0.1	22.5	37	1490	10.51	6.7	<0.1	1.6	0.3	41	<0.1	<0.1	<0.1	163	4.56	0.073	4	48	2.16	4	0.014	<20	4.04	0.02	0.03	<0.1	<10	24.8	<0.1	0.18	17	<0.5	<0.2
North	TDD207-SRK-WR-837	1.4	29	2.9	36	0.2	4.5	21.8	1661	6.54	35.5	<0.1	65.4	0.2	38	<0.1	<0.1	0.1	5	3.91	0.072	<1	80	1.18	10	<0.001	<20	0.27	0.038	0.09	<0.1	<10	6	<0.1	1.71	<1	1	<0.2
North	TDD207-SRK-WR-838	0.5	29	1.4	69	<0.1	2.4	24.4	2303	8.84	8.7	<0.1	1.7	0.2	59	0.2	<0.1	<0.1	7	6.22	0.081	2	49	1.43	13	0.001	<20	0.36	0.046	0.11	<0.1	<10	7.4	<0.1	0.14	1	<0.5	<0.2
North	TDD207-SRK-WR-839	0.7	35.9	1.1	61	0.1	3.9	23.7	2020	7.8	7.3	<0.1	581.6	0.2	50	<0.1	<0.1	<0.1	8	5.88	0.082	2	67	1.23	10	0.001	<20	0.52	0.054	0.06	<0.1	<10	8.9	<0.1	0.44	2	<0.5	<0.2
North	TDD216A-SRK-WR-840	0.4	30.6	3.2	44	0.3	3.5	25.9	1950	8.48	44.7	<0.1	159.2	0.2	35	<0.1	<0.1	0.1	8	4.72	0.082	1	32	1.56	11	<0.001	<20	0.33	0.048	0.1	<0.1	<10	8.5	<0.1	2.04	1	0.6	<0.2
North	TDD216A-SRK-WR-841	0.3	63.9	0.9	118	<0.1	17.5	30.7	1643	8.6	9.7	<0.1	22.5	0.2	48	0.2	<0.1	<0.1	61	4.14	0.066	2	27	1.96	11	0.002	<20	1.27	0.035	0.08	<0.1	<10	12.9	<0.1	0.28	6	0.9	<0.2
North	TDD216A-SRK-WR-842	0.3	40.2	0.3	90	<0.1	16.5	27.9	1541	8.21	17.4	<0.1	58.9	0.1	39	<0.1	<0.1	<0.1	93	3.67	0.069	2	35	1.6	5	0.004	<20	2	0.022	0.03	<0.1	<10	16.9	<0.1	0.16	10	<0.5	<0.2
North	TDD216A-SRK-WR-843	0.4	55.5	0.4	94	<0.1	19	30.5	1704	8.95	19.5	<0.1	8.3	0.1	42	0.2	<0.1	<0.1	55	4.79	0.069	2	23	1.87	9	0.002	<20	1.32	0.022	0.08	<0.1	<10	11.6	<0.1	0.26	6	<0.5	<0.2
North	TDD216A-SRK-WR-844	0.2	57.9	0.8	105	<0.1	16.5	33.3	2205	9.57	27.1	<0.1	188.2	0.1	36	<0.1	<0.1	<0.1	80	5.56	0.075	1	22	2.05	7	0.002	<20	1.71	0.027	0.05	<0.1	<10	13.7	<0.1	1.14	7	0.7	<0.2
North	TDD219-SRK-WR-845	0.4	71.8	2.1	66	0.2	10.6	28.8	1713	7.92	32.3	<0.1	173.9	0.2	31	<0.1	<0.1	<0.1	28	4.71	0.077	1	28	1.85	9	<0.001	<20	0.72	0.046	0.08	<0.1	<10	10.4	<0.1	1.7	3	1.1	<0.2
North	TDD219-SRK-WR-846	0.6	55	0.6	178	<0.1	17.8	32.8	1708	9.09	8.1	<0.1	50.4	0.1	42	0.3	<0.1	<0.1	66	3.84	0.077	2	28	1.7	7	0.002	<20	1.43	0.036	0.05	<0.1	<10	16.3	<0.1	0.43	8	<0.5	<0.2
North	TDD219-SRK-WR-847	0.4	54	0.8	74	<0.1	21.8	29.3	1603	8	37.3	<0.1	50.2	0.1	39	<0.1	<0.1	<0.1	40	4.29	0.067	1	28	1.77	8	0.002	<20	1.08	0.036	0.07	<0.1	<10	12.9	<0.1	1.03	4	0.6	<0.2
North	TDD219-SRK-WR-848	0.5	79	1	80	0.1	14.2	29.4	2169	9.3	42.4	<0.1	173.9	0.1	34	<0.1	<0.1	<0.1	43	5.03	0.074	1	26	1.89	6	0.002	<20	1.38	0.034	0.05	<0.1	<10	13.8	<0.1	1.6	6	1.1	0.3
North	TDD224-SRK-WR-849	0.3	36.6	1.1	84	0.1	4.2	28.2	2111	9.01	19.3	<0.1	116.6	0.1	25	<0.1	<0.1	<0.1	19	4.87	0.089	1	17	1.79	9	0.002	<20	1.21	0.034	0.07	<0.1	<10	9.5	<0.1	0.98	5	0.9	<0.2
North	TDD224-SRK-WR-850	0.4	38.6	1.1	89	0.1	2.7	30.3	1882	9.83	52.8	<0.1	279.7	0.1	27	0.1	<0.1	<0.1	16	5.12	0.082	<1	31	1.32	7	0.001	<20	0.89	0.05	0.06	<0.1	<10	10.1	<0.1	2.51	4	1.6	<0.2

Appendix D: Geological Attributes and Economic Classifications of Samples

Appendix D: Geological Attributes and Economic Classification of Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From	Depth To	Length	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies)	Alteration* Sericite	Alteration* Chlorite	Visual Pyrite
					m	m	m			(proportion in parentheses)			%
Doris	North	202771	Newmont	02TDD467	56.00	62.00	6	W	01a		SRM	CLM	1
Doris	Central	178738	SRK	TDD376	256.00	258.16	2.16	W	01a		SRW	CLW	0
Doris	Central	178743	SRK	TDD376	290.53	292.82	2.29	W	01a		SRM	CLS	0
Doris	Central	178747	SRK	TDD394A	157.10	159.30	2.2	W	01a		SRW	CL	0
Doris	Central	178759	SRK	TDD386	230.16	232.64	2.48	W	01a		SRM	CL	0
Doris	Central	178782	SRK	TDD374	186.44	188.85	2.41	W	01a		SR	CLVW	0
Doris	Central	202715	Newmont	TDD374	111.00	136.00	25	W	01a		SR	CLM	0
Doris	Central	202716	Newmont	TDD374	136.00	161.00	25	W	01a		--	--	--
Doris	Central	202717	Newmont	TDD374	161.00	176.00	15	W	01a		SR	CL	--
Doris	Central	202720	Newmont	TDD374	186.50	207.00	20.5	W	01a		SR	CLW	--
Doris	Central	202751	Newmont	TDD385A	72.00	97.00	25	W	01a		--	--	--
Doris	Central	202724	Newmont	TDD380	52.70	77.00	24.3	W	01a		SR	CLS	0
Doris	Central	08TDD628-SRK-WR-303	SRK	08TDD628	31.50	41.56	10.06	W	01		SRS	CL	5
Doris	Central	08TDD628-SRK-WR-306	SRK	08TDD628	49.50	59.00	9.26	W	01		SRVS	CL	5
Doris	Central	08TDD628-SRK-WR-308	SRK	08TDD628	62.00	71.00	9	W	01		SRVS	CL	1
Doris	Central	08TDD628-SRK-WR-309	SRK	08TDD628	71.00	80.00	9	W	01		SRVS	CL	1
Doris	Central	08TDD628-SRK-WR-310	SRK	08TDD628	80.00	88.76	8.4	W	01		SRS	CLVW	1
Doris	Central	08TDD628-SRK-WR-305	SRK	08TDD628	42.00	49.50	7.5	W	01		SRVS	CL	6.5
Doris	Central	1056308	SRK	SRK-GC-10-P3	0	1	1	W	11c		--	--	--
Doris	Central	1056309	SRK	SRK-GC-10-P4	0	1	1	W	11c		--	--	--
Doris	Central	178701	SRK	TDD388A	163.28	166.50	3.22	W	01a		SRVW	CLM	0
Doris	Central	178702	SRK	TDD388A	166.50	169.50	3	W	01a		SRVW	CLM	0
Doris	Central	178703	SRK	TDD388A	169.50	172.57	3.07	W	01a		SR	CLM	0
Doris	Central	178705	SRK	TDD388A	174.40	176.40	2	W	01a		SR	CLM	0
Doris	Central	178709	SRK	TDD382	223.19	226.19	3	W	01a		SRW	CLVW	0
Doris	Central	178713	SRK	TDD382	247.80	249.02	1.22	W	01a		SRM	CLW	0
Doris	Central	178714	SRK	TDD383	189.00	191.02	2.02	W	01a		SR	CLM	0
Doris	Central	178723	SRK	TDD368	192.29	195.29	3	W	01a		SRM	CL	0
Doris	Central	178724	SRK	TDD363	138.55	141.55	3	W	01a		SRW	CLW	0
Doris	Central	178730	SRK	TDD376	159.00	162.00	3	W	01a		SR	CLW	0
Doris	Central	178731	SRK	TDD376	162.00	164.00	2	W	01a		SR	CLW	0
Doris	Central	178732	SRK	TDD376	164.00	165.85	1.85	W	01a		SR	CLW	0
Doris	Central	178733	SRK	TDD376	170.09	171.00	0.91	W	01a		SR	CLS	0
Doris	Central	178734	SRK	TDD376	233.00	236.00	3	W	01a		SR	CLM	0
Doris	Central	178735	SRK	TDD376	236.00	239.00	3	W	01a		SR	CLM	0
Doris	Central	178736	SRK	TDD376	239.00	241.50	2.5	W	01a		SRVW	CLM	0
Doris	Central	178737	SRK	TDD376	241.50	244.50	3	W	01a		SRVW	CLM	0
Doris	Central	178742	SRK	TDD376	266.50	267.50	1	W	01a		SRS	CLW	0
Doris	Central	178744	SRK	TDD376	297.38	300.38	3	W	01a		SR	CLS	0
Doris	Central	178745	SRK	TDD394A	140.90	143.90	3	W	01a		SR	CL	0
Doris	Central	178748	SRK	TDD394A	159.30	161.64	2.34	W	01a		SRW	CL	0
Doris	Central	178749	SRK	TDD394A	169.00	171.11	2.11	W	01a		SRW	CL	0
Doris	Central	178751	SRK	TDD394A	181.00	183.14	2.14	W	01a		SR	CLM	--
Doris	Central	178752	SRK	TDD375A	190.28	192.20	1.92	W	01a		SRW	CL	0
Doris	Central	178753	SRK	TDD375A	192.20	194.20	2	W	01a		SR	CLM	0
Doris	Central	178754	SRK	TDD375A	194.20	196.20	2	W	01a		SR	CLM	0
Doris	Central	178755	SRK	TDD375A	196.20	198.20	2	W	01a		SRVW	CLS	0
Doris	Central	178756	SRK	TDD375A	198.20	201.00	2.8	W	01a		SR	CLS	0
Doris	Central	178757	SRK	TDD375A	217.00	220.00	3	W	01a		SRW	CLW	0
Doris	Central	178758	SRK	TDD375A	228.63	231.63	3	W	01a		SRW	CLW	0
Doris	Central	178761	SRK	TDD386	238.66	239.20	0.54	W	01a		SR	CLM	0
Doris	Central	178763	SRK	TDD389	165.00	166.55	1.55	W	01a		SR	CL	0
Doris	Central	178765	SRK	TDD389	171.12	172.28	1.16	W	01a		SRS	CLW	0
Doris	Central	178767	SRK	TDD389	173.83	175.00	1.17	W	01a		SRS	CLW	0
Doris	Central	178770	SRK	98TDD170A	266.49	268.00	1.51	W	01a		SRM	CL	0
Doris	Central	178771	SRK	98TDD170A	268.85	270.47	1.62	W	01a		SRM	CL	0
Doris	Central	178772	SRK	98TDD170A	278.00	279.03	1.03	W	01a		SRS	CL	0
Doris	Central	178773	SRK	98TDD170A	279.03	280.60	1.57	W	01a		SRS	CL	0
Doris	Central	178775	SRK	TDD380	182.00	185.00	3	W	01a		SRM	CLW	0
Doris	Central	178776	SRK	TDD380	251.44	253.44	2	W	01a		SRS	CLVW	0
Doris	Central	178777	SRK	TDD380	244.00	245.70	1.7	W	01a		SRM	CLVW	0
Doris	Central	178781	SRK	TDD380	263.43	264.85	1.42	W	01a		SRVW	CLM	0
Doris	Central	178783	SRK	TDD374	188.85	190.00	1.15	W	01a		SR	CLM	0
Doris	Central	178784	SRK	TDD370	253.21	255.12	1.91	W	01a		SRM	CLW	--
Doris	Central	178785	SRK	TDD370	255.12	256.95	1.83	W	01a		SRM	CLW	--
Doris	Central	178786	SRK	TDD397A	149.00	149.77	0.77	W	01a		SRW	CLW	--
Doris	Central	178790	SRK	TDD399	162.08	164.00	1.92	W	01a		SR	CLM	--
Doris	Central	178791	SRK	TDD399	164.00	166.11	2.11	W	01a		SR	CLM	--
Doris	Central	178794	SRK	97TDD138	232.00	235.00	3	W	01a		--	--	0
Doris	Central	178795	SRK	97TDD138	235.00	238.00	3	W	01a		SRW	CL	0
Doris	Central	178796	SRK	97TDD138	238.00	240.85	2.85	W	01a		SRW	CL	0
Doris	Central	178797	SRK	97TDD138	240.85	242.50	1.65	W	01a		SRW	CL	0
Doris	Central	178798	SRK	97TDD138	242.50	243.21	0.71	W	01a		--	--	--
Doris	Central	178799	SRK	97TDD138	243.21	245.20	1.99	W	01a		SR	CL	0
Doris	Central	178800	SRK	97TDD138	245.20	246.35	1.15	W	01a		SR	CL	0
Doris	Central	178801	SRK	97TDD138	298.07	299.00	0.93	W	01a		--	--	--
Doris	Central	178802	SRK	97TDD138	299.00	300.22	1.22	W	01a		--	--	--
Doris	Central	178803	SRK	97TDD138	300.22	302.66	2.44	W	01a		--	--	--
Doris	Central	178804	SRK	97TDD138	302.66	304.26	1.6	W	01a		SR	CL	0
Doris	Central	178805	SRK	97TDD138	304.26	306.00	1.74	W	01a		SR	CL	--
Doris	Central	178821	SRK	TDD387	148.33	149.50	1.17	W	01a		SRVW	CLS	0
Doris	Central	178822	SRK	TDD387	149.50	151.20	1.7	W	01a		SRW	CLM	0
Doris	Central	178823	SRK	TDD387	151.20	153.50	2.3	W	01a		SRM	CL	0
Doris	Central	178824	SRK	TDD387	153.50	154.65	1.15	W	01a		SRM	CL	0
Doris	Central	178825	SRK	TDD387	154.65	156.50	1.85	W	01a		SRW	CLM	0
Doris	Central	178826	SRK	TDD387	189.25	190.43	1.18	W	01a		SRS	CLW	0
Doris	Central	178827	SRK	TDD387	207.51	208.55	1.04	W	01a		SRM	CL	0
Doris	Central	DUG #8	Historic	TDD363	213.42	213.67	0.25	W	01a		SR	CLS	--
Doris	Central	DUMV #2	Historic	TDD367	151.49	152.03	0.54	W	01a		SRM	CLM	0
Doris	Central	DUMV #5	Historic	TDD390A	169.88	170.66	0.78	W	01a		--	--	0
Doris	Central	DUMV #7	Historic	TDD384	204.12	204.45	0.33	W	01a		SR	CLS	0
Doris	Central	DUMV #9	Historic	TDD370	216.37	216.93	0.56	W	01a		SRW	CLW	0
Doris	Central	DUMV #10	Historic	TDD375A	231.90	232.21	0.31	W	01a		SRW	CLW	0
Doris	Central	DUMV #12	Historic	TDD392	216.68	217.36	0.68	W	01a		SRW	CL	0
Doris	Central	DUMV #13	Historic	TDD385	211.48	211.95	0.47	W	01a		SR	CLW	0
Doris	Central	DUMV #15	Historic	TDD382	235.86	236.47	0.61	W	01a		SRM	CL	0
Doris	Central	DUMV #16	Historic	TDD383	180.82	181.05	0.23	W	01a		SR	CLW	0
Doris	Central	DUMV #19	Historic	TDD387	205.92	206.35	0.43	W	01a		SRM	CL	0
Doris	Central	DUMV #20	Historic	TDD387	207.21	207.62	0.41	W	01a		SRM	CL	0
Doris	Central	DUMV #23	Historic	TDD372	170.17	170.62	0.45	W	01a		SRM	CL	0
Doris	Central	DUMV #24	Historic	TDD372	173.31	173.57	0.26	W	01a		SRM	CL	0
Doris	Central	208897	Newmont	97TDD150	59.10	75.00	15.9	W	01a		--	--	0
Doris	Central	202721	Newmont	TDD374	207.00	223.11	16.11	W	01a		SR	CLW	--
Doris	Central	202746	Newmont	TDD385A	14.90	23.00	8.1	W	01a		SR	CLM	0
Doris	Central	202749	Newmont	TDD385A	39.70	45.00	5.3	W	01a		SR	CLM	0
Doris	Central	202752	Newmont	TDD385A	97.00	117.00	20	W	01a		SR	CLM	0
Doris	Central	202726	Newmont	TDD380	77.00	102.00	25	W	01a		SR	CLS	0
Doris	Central	202728	Newmont	TDD380	127.00	136.80	9.8	W	01a		SRW	CLM	0
Doris	Central	202730	Newmont	TDD380	161.00	186.00	25	W	01a		SRVW	CLM	0
Doris	Central	202733	Newmont	TDD380	236.00	245.00	9	W	01a		SRM	CLW	0
Doris	Central	202738	Newmont	TDD380	319.00	342.22	23.22	W	01a		SR	CLS	--
Doris	Central	08TDD623-SRK-WR-374	SRK	08TDD623	215.45	225.75	10.3	W	01a		SR	CLM	1
Doris	Central	08TDD623-SRK-WR-375	SRK	08TDD623	225.75	226.50	0.75	W	01a		SR	CLM	2.1
Doris	Central	08TDD623-SRK-WR-381	SRK	08TDD623	259.20	264.45	5.25	W	01a		SRVW	CLM	3
Doris	Central	08TDD623-SRK-WR-382	SRK	08TDD623	264.45	272.90	8.45	W	01a		SR	CLM	1
Doris	Central	08TDD623-SRK-WR-383	SRK	08TDD623	272.90	281.50	8.6	W	01a		SR	CLM	5
Doris	Central	08TDD623-SRK-WR-385	SRK	08TDD623	291.00	301.40	10.4	W	01a		SR	CLM	4.5
Doris	Central	08TDD623-SRK-WR-386	SRK	08TDD623	301.40	303.60	2.2	W	01a		SR	CLM	0.1
Doris	Central	08TDD631-SRK-WR-436	SRK	08TDD631	37.30	38.32	1.02	W	01a		SRM	CL	1.1
Doris	Central	08TDD631-SRK-WR-437	SRK	08TDD631	38.32	41.00	2.47	W	01a		SRVW	CLM	0.1
Doris	Central	08TDD631-SRK-WR-438	SRK	08TDD631	41.00	44.70	3.7	W	01a		SRM	CLVW	0.1
Doris	Central	08TDD631-SRK-WR-439	SRK	08TDD631	44.70	45.70	1	W	01a		SRM	CLVW	10
Doris	Central	08TDD631-SRK-WR-440	SRK	08TDD631	45.70	54.50	8.8	W	01a		SRM	CLVW	0.1
Doris	Central	08TDD631-SRK-WR-441	SRK	08TDD631	63.50	71.80	8.09	W	01a		SRM	CLVW	0.1
Doris	Central	08TDD631-SRK-WR-443	SRK	08TDD631	72.14	75.00	2.86	W	01a		SRM	CL	3
Doris	Central	08TDD631-SRK-WR-445	SRK	08TDD631	86.50	97.00	10.5	W	01a		SRM	CL	1
Doris	Central	08TDD631-SRK-WR-446	SRK	08TDD631	97.00	107.50	10.5	W	01a		SRM	CL	1
Doris	Central	08TDD631-SRK-WR-448	SRK	08TDD631	112.00	122.00	9.78	W	01a		SRM	CL	0.1
Doris	Central	08TDD623-SRK-WR-384	SRK	08TDD623	281.50	291.00	9.5	mixed	01a		SR	CLM	5
Doris	Central	178706	SRK	TDD388A	265.43	268.43	3	O	01a		SRM	CL	0
Doris	Central	178718	SRK	TDD368	146.61	148.00	1.39	O	01a		SRM	CL	0
Doris	Central	178725	SRK	TDD363	151.50	153.85	2.35	O	01a		SRM	CLW	0
Doris	Central	178727	SRK	TDD363	173.69	176.69	3	O	01a		SRM	CL	0
Doris	Central	178746	SRK	TDD394A	156.25	157.10	0.85	O	01a		SRW	CL	0
Doris	Central	178762	SRK	TDD389	160.94	164.00	3.06	O	01a		SRW	CLVW	0
Doris	Central	178764	SRK	TDD389	166.55	168.00	1.45	O	01a		SR	CL	0
Doris	Central	178766	SRK	TDD389	172.28	173.83	1.55	O	01a		SRS	CLW	0
Doris	Central	178768	SRK	TDD392	164.68	167.68	3	O	01a		SRVW	CLW	0
Doris	Central	178774	SRK	98TDD170A	280.60	282.90	2.3	O	01a		SRS	CL	0
Doris	Central	178779	SRK	TDD380	261.00	262.22	1.22	O	01a		SRS	CL	0
Doris	Central	178780	SRK	TDD380	262.22	263.43	1.21	O	01a		SRS	CL	0
Doris	Central	178787	SRK	TDD397A	149.77	151.57	1.8	O	01a		SRW	CLVW	--
Doris	Central	178788	SRK	TDD390A	208.63	211.00	2.37	O	01a		SRM	CLVW	0
Doris	Central	178808	SRK	97TDD138	356.86	358.15	1.29	O	01a		--	--	0
Doris	Central	DUMV #8	Historic	TDD384	198.22	198.61	0.39	O	01a		SRS	CL	0
Doris	Central	DUMV #11	Historic	TDD375A	226.37	226.81	0.44	O	01a		SRM	CL	0
Doris	Central	DUMV #14	Historic	TDD385	247.75	248.15	0.4	O	01a		SR	CLM	0
Doris	Central	DUMV #17	Historic	TDD383	151.71	151.98	0.27	O	01a		SRM	CLW	0
Doris	Central	DUMV #21	Historic	TDD373	182.82	183.17	0.35	O	01a		SR	CLW	0
Doris	Central	DUMV #26	Historic	TDD388A	257.17	257.72	0.55	O	01a		SRM	CL	0
Doris	Central	08TDD631-SRK-WR-447	SRK	08TDD631	107.50	112.00	4.5	O	01a		SRM	CL	1
Doris	Central	TDD382-SRK-WR-851	SRK	TDD382	204.5	205.5	1	W	01a		--	--	--
Doris	Central	08TDD623-SRK-WR-378	SRK	08TDD623	235.30	246.50	11.2	W	01ay		SR	CLM	0.5
Doris	Central	08TDD623-SRK-WR-379	SRK	08TDD623	246.50	257.50	11	W	01ay		SR	CLM	0.5
Doris	Central	178792	SRK	97TDD128	236.34	238.20	1.86	W	01p		SRW	CL	0
Doris	Central	178811	SRK	97TDD131	164.50	167.50	3	W	01p		SR	CL	--
Doris	Central	178812	SRK	97TDD131	167.50	168.50	1	W	01p		SR	CL	--
Doris	Central	178813	SRK	97TDD131	168.50	169.13	0.63	W	01p		SR	CL	--
Doris	Central	178820	SRK	97TDD131	224.30	225.65	1.35	W	01p		SRW	CL	--
Doris	Central	208895	Newmont	97TDD150	13.78	38.00	24.22	W	01p		SR	CL	0

Appendix D: Geological Attributes and Economic Classification of Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From	Depth To	Length	Economic Classification	Lithology		Alteration*		Visual
									Primary	Summary (if additional lithologies)	Sericite	Chlorite	Pyrite
					m	m	m			(proportion in parentheses)			%
Doris	Central	08TDD628-SRK-WR-311	SRK	08TDD628	88.76	99.00	10.24	W	01p		SR	CLM	0.1
Doris	Central	08TDD628-SRK-WR-312	SRK	08TDD628	99.00	112.14	13.14	W	01p		SR	CLM	0.1
Doris	Central	08TDD628-SRK-WR-313	SRK	08TDD628	112.14	117.88	5.46	W	01p		SRM	CLW	0.8
Doris	Central	08TDD628-SRK-WR-314	SRK	08TDD628	117.88	125.00	7.12	W	01p		SRS	CLVW	0.8
Doris	Central	08TDD628-SRK-WR-315	SRK	08TDD628	135.00	140.50	5.5	W	01p		SR	CLM	0.1
Doris	Central	178810	SRK	97TDD138	366.11	367.20	1.09	O	01p		--	--	0
Doris	Central	178817	SRK	97TDD131	197.00	200.00	3	O	01p		SR	CL	--
Doris	Central	178819	SRK	97TDD131	222.44	224.17	1.73	O	01p		SRW	CL	--
Doris	Central	05TDD584-SRK-WR-824	SRK	05TDD584	207.8	211.53	3.73	W	01p		--	--	--
Doris	Central	05TDD584-SRK-WR-825	SRK	05TDD584	221.14	222.32	1.18	W	01p		--	--	--
Doris	Central	208896	Newmont	97TDD150	38.00	64.50	26.5	W	01a	1a (0.72), 1p (0.28)	--	--	0
Doris	Central	202718	Newmont	TDD374	176.00	186.50	10.5	O	01a	1a (0.54), 12q (0.46)	SRVW	CL	--
Doris	Central	202734	Newmont	TDD380	245.00	254.50	9.5	O	01a	1a (0.65), 12q (0.35)	SRS	CL	0
Doris	Central	178778	SRK	TDD380	245.70	247.04	1.34	O	01a	1a (0.71), 12q (0.29)	SRS	CL	0
Doris	Central	178712	SRK	TDD382	257.42	259.60	2.18	O	01a	1a (0.83), 12q (0.17)	SRS	CLW	0
Doris	Central	08TDD631-SRK-WR-434	SRK	08TDD631	27.70	33.50	5.8	W	01a	1a (0.85), 12q (0.15)	SRM	CLVW	1.3
Doris	Central	178806	SRK	97TDD138	306.00	308.88	2.88	W	01a	1a (0.97), 12q (0.03)	SR	CL	0
Doris	Central	178818	SRK	97TDD131	212.82	215.82	3	O	01p	1p (0.72), 12q (0.28)	SRW	CL	0
Doris	Central	202735	Newmont	TDD380	254.50	272.00	17.5	O	01a	1a (0.51), 12q (0.32), 10a (0.17)	--	--	--
Doris	Central	202747	Newmont	TDD385A	23.00	38.00	15	W	01a	1a (0.66), 1u (0.23), 2a (0.12)	--	--	--
Doris	Central	178707	SRK	TDD388A	291.02	292.18	1.16	O	01a	1a (0.97), 2a (0.03)	--	--	--
Doris	Central	202762	Newmont	TDD385A	265.00	280.84	15.84	W	01a	1a (0.93), 9n (0.05), 10b (0.02)	--	--	--
Doris	Central	202731	Newmont	TDD380	186.00	211.00	25	W	01a	1a (0.97), 9n (0.03)	SRVW	CLM	--
Doris	Central	202722	Newmont	TDD380	18.10	26.00	7.9	W	01a	1a (0.69), 9pf (0.31)	SRVW	CLM	0
Doris	Central	178716	SRK	TDD383	205.17	206.35	1.18	W	01a	1a (0.84), 10a (0.16)	SRVW	CLS	0
Doris	Central	202737	Newmont	TDD380	294.00	319.00	25	W	01a	1a (0.93), 10a (0.07)	SR	CLS	0
Doris	Central	202756	Newmont	TDD385A	137.00	155.00	18	W	01a	1a (0.99), 10a (0.01)	SR	CLM	0
Doris	Central	DUMV #1	Historic	TDD393	172.00	173.00	1	W	01a	1a (0.84), 10b (0.16)	SRS	CL	--
Doris	Central	202711	Newmont	TDD374	86.00	111.00	25	W	01a	1a (0.86), 10b (0.07), 12q (0.07)	--	--	--
Doris	Central	202732	Newmont	TDD380	211.00	236.00	25	W	01a	1a (0.87), 10b (0.13)	SRW	CLM	--
Doris	Central	202755	Newmont	TDD385A	117.00	137.00	20	W	01a	1a (0.88), 10b (0.06), 12q (0.05)	--	--	--
Doris	Central	202727	Newmont	TDD380	102.00	127.00	25	W	01a	1a (0.94), 10b (0.06)	SRW	CLM	--
Doris	Central	202759	Newmont	TDD385A	190.00	215.00	25	W	01a	1a (0.97), 10b (0.03)	--	--	--
Doris	Central	08TDD623-SRK-WR-376	SRK	08TDD623	226.50	234.30	7.8	W	01a	1a (0.99), 10b (0.01)	SR	CLM	1
Doris	Central	202710	Newmont	TDD374	67.60	86.00	18.4	W	01a	1a (0.91), 11c (0.09)	SR	CLW	0
Doris	Central	202760	Newmont	TDD385A	215.00	240.00	25	W	01a	1a (0.96), 11c (0.04)	--	--	--
Doris	Central	202761	Newmont	TDD385A	240.00	265.00	25	W	01a	1a (0.97), 11c (0.03)	SRW	CLW	0
Doris	Central	178708	SRK	TDD388A	292.18	294.18	2	W	02a		--	--	0
Doris	Central	202748	Newmont	TDD385A	38	39.7	1.7	W	02a		--	--	--
Doris	Central	08TDD623-SRK-WR-373	SRK	08TDD623	205.30	215.45	10.15	W	05aj		SR	CLW	0.5
Doris	Central	178721	SRK	TDD368	185.01	186.32	1.31	W	09n		SR	CLM	0
Doris	Central	178729	SRK	TDD363	181.3	181.97	0.67	W	09n		SR	CLM	0
Doris	Central	DUG #2	Historic	TDD390A	241.33	241.7	0.37	W	09n		--	--	--
Doris	Central	08TDD623-SRK-WR-380	SRK	08TDD623	257.5	259.2	1.7	W	09n		SRVW	CL	0.5
Doris	Central	202725	Newmont	TDD380	15.65	18.1	2.45	W	09pf		SRW	CLM	0
Doris	Central	178710	SRK	TDD382	229	232	3	W	09n	9n (0.64), 1a (0.36)	SR	CLM	0
Doris	Central	178740	SRK	TDD376	259.12	260.34	1.22	W	10a		SR	CLM	0
Doris	Central	178814	SRK	97TDD131	169.13	171.61	2.48	W	10a		SR	CL	--
Doris	Central	178815	SRK	97TDD131	171.61	174.00	2.39	W	10a		--	--	--
Doris	Central	178816	SRK	97TDD131	174.00	177.00	3	W	10a		--	--	--
Doris	Central	DUG #3	Historic	TDD380	282.86	283.05	0.19	W	10a		SR	CLS	0
Doris	Central	DUG #4	Historic	TDD384	222.48	222.82	0.34	W	10a		SR	CLS	0
Doris	Central	DUG #5	Historic	TDD375A	255.56	255.84	0.28	W	10a		SR	CLS	0
Doris	Central	DUG #6	Historic	TDD383	199.32	199.69	0.37	W	10a		SR	CLS	--
Doris	Central	DUG #7	Historic	TDD387	224.79	225.06	0.27	W	10a		SR	CLS	0
Doris	Central	DUMV #6	Historic	TDD380	279.49	279.81	0.32	W	10a		SR	CLS	0
Doris	Central	DUMV #18	Historic	TDD387	64.86	65.26	0.4	W	10a		SR	CLS	0
Doris	Central	202736	Newmont	TDD380	272.00	294.00	22	W	10a		SR	CLS	0
Doris	Central	178715	SRK	TDD383	191.02	192.02	1	O	10a		SR	CLS	0
Doris	Central	202757	Newmont	TDD385A	155.00	179.00	24	W	10a	10a (0.96), 10b (0.04)	--	--	--
Doris	Central	202764	Newmont	TDD385A	294.00	307.20	13.2	W	10a	10a (0.91), 2a (0.09)	--	--	0
Doris	Central	178741	SRK	TDD376	264.62	266.50	1.88	W	10a	10a (0.85), 1a (0.15)	SRW	CL	0
Doris	Central	202750	Newmont	TDD385A	45.00	72.00	27	W	10a	10a (0.99), 1a (0.01)	SR	CLM	0
Doris	Central	202758	Newmont	TDD385A	179.00	190.00	11	W	10a	10a (0.82), 1a (0.18)	SR	CLM	0
Doris	Central	202723	Newmont	TDD380	26.00	52.70	26.7	W	10a	10a (0.97), 1a (0.03)	SR	CLS	0
Doris	Central	202729	Newmont	TDD380	136.80	161.00	24.2	W	10a	10a (0.92), 1a (0.08)	SR	CLS	0
Doris	Central	178704	SRK	TDD388A	172.57	174.40	1.83	W	10b		--	--	--
Doris	Central	08TDD623-SRK-WR-377	SRK	08TDD623	234.30	235.30	1	W	10b		SR	CL	0.1
Doris	Central	178739	SRK	TDD376	258.16	259.12	0.96	O	10b	10b (0.45), 10a (0.31), 12q (0.21), 1a (0.03)	--	--	0
Doris	Central	202708	Newmont	TDD374	11.63	36.00	24.37	W	11c		SR	CLW	0
Doris	Central	202709	Newmont	TDD374	36.00	61.00	25	W	11c		SR	CLW	0
Doris	Central	202713	Newmont	TDD374	61.00	67.60	6.6	W	11c		SR	CLW	0
Doris	Central	08TDD623-SRK-WR-372	SRK	08TDD623	200.80	205.30	4.5	W	11cm		SR	CL	0.1
Doris	Central	08TDD623-SRK-WR-387	SRK	08TDD623	303.60	309.50	5.9	W	11cm		SR	CL	0.1
Doris	Central	178711	SRK	TDD382	255.72	257.42	1.7	W	12q		SRM	CL	0
Doris	Central	178719	SRK	TDD368	175.00	178.00	3	W	12q		SRM	CLVW	0
Doris	Central	178720	SRK	TDD368	184.00	185.01	1.01	W	12q		SRW	CL	0
Doris	Central	178807	SRK	97TDD138	308.88	310.30	1.42	W	12q		SRM	CL	0
Doris	Central	8372	Historic	TDD393	165.17	166.00	0.83	W	12q		SR	CL	0
Doris	Central	DUQ #10	Historic	TDD382	255.12	255.72	0.6	W	12q		SRM	CL	0
Doris	Central	DUQ #14	Historic	TDD383	162.80	163.19	0.39	W	12q		SRM	CLW	0
Doris	Central	DUQ #15	Historic	TDD383	153.20	153.72	0.52	W	12q		SRM	CLW	0
Doris	Central	9630	Historic	TDD387	196.65	197.00	0.35	W	12q		SRW	CL	0
Doris	Central	9713	Historic	TDD388A	273.01	273.66	0.65	W	12q		SRVW	CL	0
Doris	Central	08TDD628-SRK-WR-304	SRK	08TDD628	41.56	42.00	0.44	W	12q		SRW	CL	7
Doris	Central	08TDD628-SRK-WR-307	SRK	08TDD628	59.00	62.00	3	W	12q		SRW	CLM	5
Doris	Central	08TDD631-SRK-WR-433	SRK	08TDD631	27.08	27.70	0.62	W	12q		SRM	CL	4
Doris	Central	08TDD631-SRK-WR-442	SRK	08TDD631	71.80	72.14	0.34	W	12q		SR	CL	1
Doris	Central	178717	SRK	TDD368	145.25	146.61	1.36	O	12q		SRS	CL	0
Doris	Central	178722	SRK	TDD368	186.32	188.00	1.68	O	12q		SRS	CL	0
Doris	Central	178726	SRK	TDD363	153.85	155.96	2.11	O	12q		SRM	CL	0
Doris	Central	178728	SRK	TDD363	179.30	181.30	2	O	12q		SRM	CLM	0
Doris	Central	178769	SRK	TDD392	214.58	216.68	2.1	O	12q		SRM	CL	0
Doris	Central	178793	SRK	97TDD128	268.98	271.89	2.91	O	12q		--	--	0
Doris	Central	178828	SRK	97TDD135	278.18	281.57	3.39	O	12q		--	--	0
Doris	Central	DUQ #1	Historic	TDD375	202.00	203.00	1	O	12q		SRW	CL	0
Doris	Central	DUQ #2	Historic	TDD399	243.78	244.55	0.77	O	12q		SR	CL	0
Doris	Central	DUQ #4	Historic	TDD380	258.84	259.47	0.63	O	12q		SRW	CLW	0
Doris	Central	7070	Historic	TDD380	254.48	255.33	0.85	O	12q		SRW	CL	0
Doris	Central	DUQ #6	Historic	TDD392	212.45	212.70	0.25	O	12q		SRW	CL	0
Doris	Central	9359	Historic	TDD392	215.98	216.68	0.7	O	12q		SRM	CL	0
Doris	Central	DUQ #8	Historic	TDD385	237.87	238.48	0.61	O	12q		SR	CL	0
Doris	Central	7503	Historic	TDD385	238.88	239.88	1	O	12q		SR	CL	0
Doris	Central	5885	Historic	TDD370	239.88	240.79	0.91	O	12q		SRS	CLVW	0
Doris	Central	6624	Historic	TDD368	167.00	168.08	1.08	O	12q		SR	CLW	0
Doris	Central	6633	Historic	TDD368	173.00	174.03	1.03	O	12q		SRS	CL	0
Doris	Central	9737	Historic	TDD388A	290.25	291.02	0.77	O	12q		SRM	CL	0
Doris	Central	6197	Historic	TDD363	178.92	179.20	0.28	O	12q		SRM	CLM	0
Doris	Central	08TDD631-SRK-WR-435	SRK	08TDD631	33.50	37.30	1.47	O	12q		SRM	CL	4
Doris	Central	202763	Newmont	TDD385A	280.84	294.00	13.16	O	12q	12q (0.69), 2a (0.13), 1a (0.1), 9n (0.07)	--	--	0
Doris	Central	178760	SRK	TDD386	232.64	234.24	1.6	W	12q	12q (0.99), 1a (0.01)	--	--	--
Doris	Central	178750	SRK	TDD394A	171.11	172.72	1.61	O	12q	12q (0.73), 1a (0.27)	SRVW	CL	0
Doris	Central	178789	SRK	TDD391	161.70	162.80	1.1	O	12q	12q (0.94), 1a (0.06)	SRM	CL	0
Doris	Central	178809	SRK	97TDD138	364.05	366.11	2.06	O	12q	12q (0.76), 1a (0.18), 1p (0.06)	--	--	0
Doris	Central	9634	Historic	TDD387	198.48	199.23	0.75	O	12q	12q (0.93), 1a (0.07)	SRS	CL	0
Doris	Central	08TDD631-SRK-WR-444	SRK	08TDD631	75.00	86.50	10.5	O	12q	12q (0.79), 1a (0.21)	SRM	CL	1.5

Appendix E: HBML's 2008 Standard Lithology Codes

LEGEND
Outcrop Lithologies

Proterozoic Rocks

13 Proterozoic Sandstones

11
a Franklin diabase
b MacKenzie diabase
c diabase (unsubdivided)

Archean Rocks

10 Late* Mafic-Ultramafic Intrusive Rocks

a gabbro
b fine- to medium-grained mafic dyke
c fine- to medium-grained ultramafic dyke
d diorite
f feldspar-phyric
h hornblende-phyric
p hypabyssal porphyritic rock
l xenolithic mafic-ultramafic intrusion

9 Late* Granitoid Rocks (mainly post-volcanic)

a granite
b syenite
c granodiorite
d monzonite and quartz monzonite
e monzodiorite and quartz monzodiorite
g granitic gneiss and migmatite
f feldspar-phyric granitoid
q quartz-phyric granitoid
l xenolithic granitoid and intrusion breccia

p porphyritic hypabyssal granitoid
t granitoid with less than 50% wallrock xenoliths (transitional to country rock)**
k fine-grained felsic dyke
n fine-grained intermediate dyke

8 Early* Granitoid Rocks (mainly synvolcanic)

a tonalite
b trondjhemite
c granodiorite
d diorite and quartz diorite
e monzodiorite and quartz monzodiorite
f feldspar-phyric granitoid
g tonalitic gneiss and migmatite
q quartz-phyric granitoid
l xenolithic granitoid and intrusion breccia

p porphyritic hypabyssal granitoid
i fine-grained massive intermediate to felsic rock; may be equivalent to 3i, 4i****
t granitoid with less than 50% wallrock xenoliths (transitional to country rock)**

7 Early* Mafic and Ultramafic Intrusive Rocks (mainly synvolcanic)

a gabbro
b leucogabbro
c melanogabbro
d diorite
h anorthosite
f feldspar-phyric gabbroic (includes glomeroporphyritic texture)
i fine-grained massive mafic/ultramafic rock; may be equivalent to 1i****
q quartz -bearing gabbroic rock

m magnetite-ilmenite bearing mafic-ultramafic rock
o pyroxenite
r peridotite (includes serpentinite)
t gabbroic rock containing less than 50% granitoid dykes**
l xenolithic gabbroic to ultramafic intrusive rock
s (talc)-chlorite schist

u ultramafic intrusive rock (composition not specified)

6 Late* Sedimentary Rocks of the Conglomerate-Arenite facies (postvolcanic)

a argillite
b siltstone
c arenite
d conglomerate
e biotite hornfels or schist (amphibolite facies)
f feldspathic arenite
l lithic arenite
q quartzose arenite
g iron formation
m magnetite bearing clastic rock
p granitoid clasts

o polymictic (otherwise monomictic)***
k thick bedded (>30cm)
n thin bedded (<30cm)
r limestone/marble
s metasedimentary schist
t metasedimentary rock cut by less than 50% granitoid**

5 Early* Sedimentary Rocks of Wacke-Mudstone Facies (syn- to post volcanic)

a argillite
b siltstone
c wacke
d conglomerate
e porphyroblastic biotite schist (amphibolite facies)
f feldspathic wacke
l lithic wacke
q quartzose wacke
s biotite schist
g iron formation
m magnetite-bearing wacke

o polymictic (otherwise monomictic)***
k thick bedded (>30 cm)
n thin bedded (<30 cm)
r biotite migmatite less than 50% leucosome
v volcanic sandstone and conglomerate (may be equivalent to 4j)
t metasedimentary rock cut by less than 50% granitoid*

s metasedimentary schist

4 Felsic Metavolcanic Rocks

a flow
b tuff
c lapilli-(stone)
d breccia
e quartz-albite-biotite schist (amphibolite facies)
q quartz-phyric (includes glomeroporphyritic rocks)
i fine- to medium-grained massive felsic rock, may be eqivalent to 8i****

j felsic volcanic sandstone, pebbly sandstone and conglomerate
k thick bedded (>30cm)
n thin bedded (<30cm)
o heterolithic fragmental rock (otherwise monolithic)***
s quartz-sericite schist

t felsic metavolcanic rock containing less than 50% granitoid dykes**
w flow banded structure
y amygdaloidal/vesicular

3 Intermediate to Felsic Metavolcanic Rocks

a flow
b tuff
c lapilli-(stone)
d breccia
e quartz-plagioclase-actinolite schist (amphibolite facies)
f feldspar-phyric (includes glomeroporphyritic rocks)
i fine- to medium-grained massive intermediate to felsic rock;

may be equivalent to 8i****
j intermediate to felsic volcanic sandstone, pebbly sandstone and conglomerate
k thick bedded (>30cm)
n thin bedded (<30cm)
o heterolithic fragmental rock (otherwise monolithic)***
q quartz-phyric

s quartz-chlorite-sericite schist
t felsic to intermediate volcanic rock containing less than 50% granitoid dykes**
y amygdaloidal/vesicular structure

2 Intermediate Metavolcanic Rocks

a flow
b tuff
c lapilli-(stone)
d breccia
e epidote-plagioclase amphibolite (amphibolite facies)
f feldspar-phyric (includes glomeroporphyritic rocks)
h hornblende-phyric

i fine-to medium-grained massive intermediate rock; may be equivalent to 7i****
j interflow chert/argillite/sandstone
k thick pillow selvedges (>2cm)
n thin pillow sedvedges (<2cm)

o heterolithic fragmental rock (otherwise monolithic)
p pillowed flow
s chlorite schist
t intermediate volcanic rock containing less than 50% granitoid dykes**
v variolitic flow
y amygdaloidal/vesicular flow

1 Ultramafic to Mafic Metavolcanic Rocks

a flow
b tuff
c lapilli-(stone)
d breccia
e amphibolite (amphibolite facies)
f feldspar-phyric (includes glomeroporphyritic rocks)
i fine-to medium-grained massive mafic rock; may be equivalent to 7i****

j interflow chert/argillite/sandstone
k thick pillow selvedges (>2cm)
n thin pillow selvedges (<2cm)
o heterolithic fragmental rock (otherwise monolithic)***
p pillowed flow
r polysutured flow
s chlorite schist

t mafic metavolcanic rock containing less than 50% granitoid dykes**
u ultramafic volcanic rock
v variolitic
w white- to light-weathering mafic metavolcanic (quartz-epidote alteration)
x spinifex-textured flow
y amygdaloidal/vesicular flow

Generic Codes: z - unmapped or questionable lithology, C - Calc alkaline, M - Magnesian Tholeiite, T - Tholeiite, F - Iron Tholeiite, B - Basaltic Komatiite, K - Komatiite

NOTES:
*early and late used in a relative sense only. ** suffix "t" should only be used for transition from supracrustal to adjacent intrusions, rock type chosen on dominant (>50%) lithology.
*** suffix "o" separates heterolithic from monolithic volcanic fragmental rocks and polymictic from monomictic sedimentary rocks. No suffix required for rocks with single clast population.
**** may be fine- (coarse) -grained equivalents of rocktypes shown in brackets. eg: fine-grained gabbro versus coarse-grained basalt.

Hope Bay Mining Lithology Codes (2008 lithology coding standard)				
CODE	**CODEDESC**	**Colour**	**RGB**	**VL Colour Code**
1	Mafic to Ultramafic Volcanic		0,153,102	6723840
2	Intermediate Volcanic		204,255,204	13434828
3	Intermediate to Felsic Volcanic		192,192,64	4243648
4	Felsic Metavolcanic rocks		255,255,0	65535
5	Sedimentary Rocks		192,192,192	12632256
6	Post Volcanic Sedimentary Rocks		153,102,0	26265
7	Early Mafic / UM Intrusions		102,0,204	13369446
8	Synvolcanic Granitoid Rocks		255,153,153	10066431
9	Late Felsic Intrusive		255,153,204	13408767
10	Late Mafic Intrusion		0,0,128	8388608
11	Diabase		4,4,4	263172
12	Vein >30cm or Zone of >70% Single Vein Event		255,128,0	33023
13	Significant Structure		204,0,0	204
14	Missing Core		220,220,182	11984092
15	Casing		220,220,182	11984092

Appendix F: XRD Data – Doris

Appendix F: XRD Data
Mineralogical Formulas

Mineral	Abbreviation	Formula
Albite	ALB	NaAlSi3O8
Ankerite/Dolomite	ANK	Ca(Fe,Mg)(CO3)2
Amphibole	AMP	Ca2(Mg,Fe,Al)5(Al,Si)8O22(OH)2
Biotite	BIO	K(Mg,Fe)3(AlSi3O10)(OH)2
Calcite	CAL	CaCO3
Chamosite	CHAM	(Fe,Mg)5Al(AlSi3O10)(OH)8
Chlorite	CHL	(Mg,Fe,Al)6(Al,Si)4O10(OH)8
Epidote	EP	$Ca_2(Al, Fe)_3(SiO_4)_3(OH)$
Ilmenite	IL	$FeTiO_3$
Magnetite	MAG	Fe_3O_4
Muscovite	mus	KAl2(AlSi3O10)(OH)2
Muscovite/Sericite	MUSC	
Paragonite	PG	NaAl3SI3O10 (OH) 2
Plagioclase	PLAG	(Ca,Na)(Al,Si)AlSi2O8
Pyrite	PY	FeS2
Pyroxene	PYX	$(Ca,Na)(Mg,Fe,Al,Ti)(Si,Al)_2O_6$
Quartz	QTZ	SiO2
Rutile	RUT	TiO2
Siderite	SID	FeCO3
Siderite/Magnesite	SID/MAGN	(Fe0.xx,Mg0.xx)CO3
Stilpnomelane	STILP	$K(Fe,Mg)_8(Si,Al)_{12}(O,OH)_{27}{\cdot}n(H_2O)$
Talc	TC	$Mg_3Si_4O_{10}(OH)_2$
Titanite	TIT	$CaTiSiO_5$

Appendix F: XRD Data - Doris Samples

Deposit	Zone				Sample ID	Economic Classification	Lithology		Albite ALB %	Amphibole AMP %	Ferroan Dolomite ANK %	Biotite BIO %	Calcite CAL %	Chamosite CHAM %	Chlorite CHL %	Epidote EP %	Ilmenite IL %	Magnetite MAG %	Muscovite mus %	Muscovite/Sericite MUSC %	Paragonite PG %	Plagioclase PLAG %	Pyrite PY %	Pyroxene PYX %	Quartz QTZ %	Rutile RUT %	Siderite SID %	Siderite/Magnesite SID/MAGN %	Stilpnomelane STILP %	Talc TC %	Titanite TIT %
							Primary	Summary (if additional lithologies) (proportion in parentheses)																							
Doris	Central			1730	08TDD628-SRK-WR-303	W	01				33				2					10	8		2		34	2	8				
Doris	Central			1732	08TDD628-SRK-WR-305	W	01				31									14	7		9		31	2	5				
Doris	Central			1733	08TDD628-SRK-WR-306	W	01				29				1					11	8		4		38	2	6				
Doris	Central			1735	08TDD628-SRK-WR-308	W	01				30				3					4	10		1		38	2	11				
Doris	Central			1736	08TDD628-SRK-WR-309	W	01				31				2					5	10				38	2	11				
Doris	Central			1737	08TDD628-SRK-WR-310	W	01				28				11					11	6				37	2	4				
Doris	Central			84	178784	W	01a				23				5				10		21				33	1	7				
Doris	Central			123	178823	W	01a				31								14		10		3		36	1	4				
Doris	Central			579	208897	W	01a				40		1		6				9		24		2		19	1					
Doris	Central			602	202715	W	01a				21		2		31	2			4			14			26	1					
Doris	Central			603	202716	W	01a				28		1		13	1			8		12	10	1		22	1	5				
Doris	Central			604	202717	W	01a				24		2		12	3			4		10	9	1		32	1	5				
Doris	Central			606	202720	W	01a				31				9	1			5		16	8	1		25	1	6				
Doris	Central			607	202721	W	01a				3		5		31	9		2	tr			27			23						
Doris	Central			608	202746	W	01a			20	2		11		36							20	1		10	1					
Doris	Central			611	202749	W	01a						18		41	3			12			5			21	1					
Doris	Central			613	202751	W	01a				7		11		39	1			5			11			19	1			6		
Doris	Central			614	202752	W	01a				9		6		32	1			7			26			20	1					
Doris	Central			627	202724	W	01a				9		13		38	1			5			14			21	1					
Doris	Central			629	202726	W	01a				19		5		31	1			3			17			23	1					
Doris	Central			631	202728	W	01a				33				23	1			6			8			24	2	4				
Doris	Central			633	202730	W	01a				22		4		24				2		11	9			23	1	3				
Doris	Central			636	202733	W	01a				32				5	2			3		22	4	1		27	1	4				
Doris	Central			641	202738	W	01a				9		10		34	4			2		8	13			21	1					
Doris	Central			1801	08TDD623-SRK-WR-374	W	01a			29					23							34		7	7	tr					
Doris	Central			1802	08TDD623-SRK-WR-375	W	01a			16		11	4		25					14		14	1		14	1					
Doris	Central			1808	08TDD623-SRK-WR-381	W	01a				18		7		24					13		6			30	1					
Doris	Central			1809	08TDD623-SRK-WR-382	W	01a				1		14		31					19		14			21	tr					
Doris	Central			1810	08TDD623-SRK-WR-383	W	01a			6		21	5		31							18			18						
Doris	Central			1811	08TDD623-SRK-WR-384	mixed	01a			10		23	5		23							27			11						
Doris	Central			1812	08TDD623-SRK-WR-385	W	01a			10		10	5		29			4		6		25			11						
Doris	Central			1813	08TDD623-SRK-WR-386	W	01a			30			2		23							34			6	2					2
Doris	Central			1860	08TDD631-SRK-WR-436	W	01a				23									8	10		4		43	2	10				
Doris	Central			1861	08TDD631-SRK-WR-437	W	01a				26				17					9	7		1		35	2	3				
Doris	Central			1862	08TDD631-SRK-WR-438	W	01a				30				5					8	9				37	2	9				
Doris	Central			1863	08TDD631-SRK-WR-439	W	01a				34									17	9		14		23	2					
Doris	Central			1864	08TDD631-SRK-WR-440	W	01a				28				2					7	10				40	2	11				
Doris	Central			1865	08TDD631-SRK-WR-441	W	01a				29									9	9				39	2	12				
Doris	Central			1867	08TDD631-SRK-WR-443	W	01a				28									12	6		6		38	2	7				
Doris	Central			1869	08TDD631-SRK-WR-445	W	01a				34									8	9				39	2	7				
Doris	Central			1870	08TDD631-SRK-WR-446	W	01a				32									7	9				41	2	8				
Doris	Central			1871	08TDD631-SRK-WR-447	O	01a				30				2					5	8		2		46	2	5				
Doris	Central			1872	08TDD631-SRK-WR-448	W	01a				35									6	9				39	2	8				
Doris	Central			2527	TDD382-SRK-WR-851	W	01a		13		27		1	13					12		4				28	2		2			
Doris	Connector			588	208876	W	01a				28				16			1	11		15	2	1		22	1	4				
Doris	Connector			589	208877	W	01a				21		2		28				9		12	8			19	1	2				
Doris	Connector			592	208880	W	01a				32				7				3		22	5	2		23	1	7				
Doris	Connector			594	208882	W	01a				27				23				5		13	7	2		20	1	4				
Doris	Connector			1743	95TDD002-SRK-316	W	01a				29				2					6	9		tr		40	2	11				
Doris	Connector			1744	95TDD002-SRK-317	W	01a				34				3					5	9				38	2	9				
Doris	Connector			1748	95TDD004-SRK-321	W	01a			8	39		3		14					6	5				23	2					
Doris	Connector			1749	95TDD007-SRK-322	W	01a			6	19		10		32					5	6				21	1					
Doris	Connector			1752	95TDD007-SRK-325	W	01a			24			7		27	18						16			8						
Doris	Connector			1753	95TDD008-SRK-326	W	01a				40				18					2	11				28	1					
Doris	Connector			1754	95TDD008-SRK-327	W	01a				48				6					4	11				29	2					
Doris	Connector			1761	96TDD071-SRK-WR-334	W	01a				30		1		19					11		10			26	1	2				
Doris	Connector			1764	96TDM097-SRK-WR-337	W	01a				18		1		30					7		23			20	1					
Doris	Connector			1765	TDD317-SRK-WR-338	W	01a				27				13					5	9				37	2	7				
Doris	Connector			1766	TDD318-SRK-WR-339	W	01a				33		1		8					6	8				36	2	6				
Doris	Connector			1767	TDD318-SRK-WR-340	W	01a				30				10					9	6				37	2	6				
Doris	Connector			1768	TDD318-SRK-WR-341	O	01a				31				13					12	5		4		33	1					
Doris	Connector			1769	TDD320A-SRK-WR-342	W	01a				35										12				41	2	9				
Doris	Connector			1770	TDD320A-SRK-WR-343	O	01a				29									6	11		1		41	2	9				
Doris	Connector			1771	TDD320A-SRK-WR-344	W	01a				32				1					8	8				37	2	11				
Doris	Connector			1772	TDD320A-SRK-WR-345	W	01a				30				21					10		15			21	1	2				
Doris	Connector			1773	TDD329-SRK-WR-346	W	01a				31									5	11				39	2	12				
Doris	Connector			1774	TDD329-SRK-WR-347	W	01a				30				2					5	8	9			35	1	9				
Doris	Connector			1775	TDD329-SRK-WR-348	W	01a				20				35					3	1	21			19	1					
Doris	Connector			1776	TDD329-SRK-WR-349	W	01a				50				2					2	15				29	2					
Doris	Connector			1777	TDD329-SRK-WR-350	W	01a				42		1		15						12				27	2					
Doris	Connector			1843	TDD327-SRK-WR-419	W	01a				35		6		21						11				25	2					
Doris	Connector			1844	TDD327-SRK-WR-420	W	01a				41				19						11				28	1					
Doris	Connector			1845	TDD409-SRK-WR-421	W	01a				27				27					5		18			22	1					
Doris	Connector			1846	TDD409-SRK-WR-422	W	01a				28				22					4	3	15			24	1	3				
Doris	Connector			1847	TDD409-SRK-WR-423	W	01a				28				14					5	5	12			30	1	5				
Doris	Connector			1848	TDD409-SRK-WR-424	W	01a				26		1		33					7		11			21	1					
Doris	Connector			1850	TDD409-SRK-WR-426	W	01a				42		1		14						12				29	2					
Doris	Connector			1852	TDD409-SRK-WR-428	W	01a				43		1		13						12				28	2					
Doris	Connector			1853	TDD409-SRK-WR-429	W	01a				9		17		42						6	4			22	tr					
Doris	Connector			1973	TDD307-SRK-WR-545	w	01a				43				6					3	11		1		30	2	3				
Doris	Connector			2511	96TDM098-SRK-WR-835	W	01a				22		1	2					13		14		1		34	2		11			
Doris	Connector			2512	96TDM098-SRK-WR-836	W	01a				19		1	3					12		13				38	2		12			
Doris	North			544	208828	W	01a			5	3		9		56				5			8			14	tr					
Doris	North			545	208829	W	01a			7	5		10		47				7			9			14	tr					
Doris	North			546	208830	W	01a			23			4		22				4			30	1	6	10	1					
Doris	North			549	208833	W	01a				9		8		43	1			3		8	4			25	1					
Doris	North			552	208836	W	01a				20		1		43				9			9			18	1					

Appendix F: XRD Data - Doris Samples

Deposit	Zone				Sample ID	Economic Classification	Lithology		Albite ALB %	Amphibole AMP %	Ferroan Dolomite ANK %	Biotite BIO %	Calcite CAL %	Chamosite CHAM %	Chlorite CHL %	Epidote EP %	Ilmenite IL %	Magnetite MAG %	Muscovite mus %	Muscovite/Sericite MUSC %	Paragonite PG %	Plagioclase PLAG %	Pyrite PY %	Pyroxene PYX %	Quartz QTZ %	Rutile RUT %	Siderite SID %	Siderite/Magnesite SID/MAGN %	Stilpnomelane STILP %	Talc TC %	Titanite TIT %
							Primary	Summary (if additional lithologies) (proportion in parentheses)																							
Doris	North			553	208837	W	01a				17		3		47				9			7			17	1					
Doris	North			554	208856	W	01a				21				45				6		?	8			19	1					
Doris	North			556	208858	W	01a				36				12				7		26				17	1					
Doris	North			557	208859	W	01a				3		7		48				10		7	10			15	1					
Doris	North			558	208870	W	01a				22		1		36			1	8			10	1		20	1	1				
Doris	North			559	208871	W	01a				16		6		48				1			13			17	1					
Doris	North			561	208873	W	01a				20				43				9			9			18	1					
Doris	North			564	208885	W	01a			1	21		1		36	1			7		8	6	1		18	1	1				
Doris	North			565	208886	W	01a				16		2		45	2			8		6	5			18	1					
Doris	North			568	208889	W	01a				21				41	2			7		6	7			18	1	1				
Doris	North			569	208890	W	01a				26				9	3			6		17	4	2		25	1	8				
Doris	North			572	208893	W	01a				20				35				8		12	5			19	1	1				
Doris	North			573	208894	W	01a				28				12				7		20	2			23	1	6				
Doris	North			580	202766	W	01a				35				8				tr		29	4	1		21	1					
Doris	North			582	202768	W	01a				34				4	3			3		26				23	1	6				
Doris	North			583	202769	W	01a				9		9		43	2			6						31	1					
Doris	North			585	202771	W	01a				38		3		11				6			8	3		29	1					
Doris	North			586	202772	W	01a				36				13	1			7			7	2		29	1	3				
Doris	North			1785	08TDD632-SRK-WR-358	W	01a				25				33					7		12			22	1					
Doris	North			1786	08TDD632-SRK-WR-359	W	01a				23				36					7		11			21	1					
Doris	North			1787	08TDD632-SRK-WR-360	W	01a				25				34					8		11			21	1					
Doris	North			1788	08TDD632-SRK-WR-361	W	01a				23				33					8		12			23	1					
Doris	North			1789	08TDD632-SRK-WR-362	W	01a				16				42					13					28	1					
Doris	North			1790	08TDD632-SRK-WR-363	W	01a				13				52					9		2			23	1					
Doris	North			1791	08TDD632-SRK-WR-364	W	01a				22				33					9		11			24	1					
Doris	North			1792	08TDD632-SRK-WR-365	W	01a				25				32					6		15			20	1					
Doris	North			1793	08TDD632-SRK-WR-366	W	01a				28				29					10		8			23	1	1				
Doris	North			1794	08TDD632-SRK-WR-367	W	01a				26				37					5		10			21	1					
Doris	North			1795	08TDD632-SRK-WR-368	W	01a				23				32					4		18			22	1					
Doris	North			1796	08TDD632-SRK-WR-369	W	01a				23				33					6		16			21	1					
Doris	North			1797	08TDD632-SRK-WR-370	W	01a				24				30					5		19			21	1					
Doris	North			1798	08TDD632-SRK-WR-371	W	01a				16		3		44					5		9			22	1					
Doris	North			2503	95TDD063-SRK-WR-827	W	01a		13		25			3					8		13				31	1		6			
Doris	North			2504	95TDD063-SRK-WR-828	W	01a		17		22			9					3		12				34	1		2			
Doris	North			2505	95TDD063-SRK-WR-829	W	01a		12		22		1	8					4		13		1		35	1		4			
Doris	North			2506	95TDD063-SRK-WR-830	W	01a				22			4					19		6		1		43	2		3			
Doris	North			2507	95TDD063-SRK-WR-831	W	01a				21		1	18					7		12				40	2					
Doris	North			2508	95TDD063-SRK-WR-832	W	01a		19		20		1	18					5				1		35	1		1			
Doris	North			2509	95TDD063-SRK-WR-833	W	01a		16		11		2	25					3		3		1		37	2		2			
Doris	North			2510	95TDD063-SRK-WR-834	W	01a		23		1		8	30					2				1		33	2					
Doris	North			2514	TDD207-SRK-WR-838	W	01a				27			1					18		7				38	1		8			
Doris	North			2515	TDD207-SRK-WR-839	W	01a				23			3					6		17				46	1		4			
Doris	North			2516	TDD216A-SRK-WR-840	W	01a				21			1					18		6		2		42	2		8			
Doris	North			2517	TDD216A-SRK-WR-841	W	01a		17		17			8					13		8		1		30	2		7			
Doris	North			2518	TDD216A-SRK-WR-842	W	01a		27		15			13					3		1		1		38	1		2			
Doris	North			2519	TDD216A-SRK-WR-843	W	01a		13		20			10					16		3		1		29	1		6			
Doris	North			2520	TDD216A-SRK-WR-844	W	01a		7		23			12					9		9		2		33	2		4			
Doris	North			2521	TDD219-SRK-WR-845	W	01a		4		20			5					16		12		2		34	2		6			
Doris	North			2525	TDD224-SRK-WR-849	W	01a				21			7					15		12		1		37	2		6			
Doris	North			2526	TDD224-SRK-WR-850	W	01a		4		22			5					8		16		3		37	1		5			
Doris	Central			1805	08TDD623-SRK-WR-378	W	01ay						11		40	4						17			28	tr					
Doris	Central			1806	08TDD623-SRK-WR-379	W	01ay				15		5		28					10		18			23	1					
Doris	Central			577	208895	W	01p				14		4		41	2			12		>1	8			19	1					
Doris	Central			1738	08TDD628-SRK-WR-311	W	01p				25		tr		33					4		17			20	1					
Doris	Central			1739	08TDD628-SRK-WR-312	W	01p				25		tr		32					4		17			21	1					
Doris	Central			1740	08TDD628-SRK-WR-313	W	01p				31				26					7	4	4	tr		25	1	2				
Doris	Central			1741	08TDD628-SRK-WR-314	W	01p				30				5					6	7	8			34	2	8				
Doris	Central			1742	08TDD628-SRK-WR-315	W	01p				24				38					6		10			21	1					
Doris	Central			2500	05TDD584-SRK-WR-824	W	01p		1		25		1	6					8		18				37	2		3			
Doris	Central			2501	05TDD584-SRK-WR-825	W	01p		5		19			13					6		9				46	1					
Doris	Connector			1762	96TDD075-SRK-WR-335	W	01p				43		1		14					2	12				27	1					
Doris	Connector			1763	96TDD075-SRK-WR-336	W	01p				46				9					6	10				28	1					
Doris	Connector			2502	06TDD607-SRK-WR-826	W	01p		20		21		1	14					7		3				33	1		2			
Doris	Central			578	208896	W	01a	1a (0.72), 1p (0.28)			19		2		30	4			9		11	8			18	1					
Doris	Central			605	202718	O	01a	1a (0.54), 12q (0.46)			29		2		10				6		10	9	1		28	1	4				
Doris	Central			637	202734	O	01a	1a (0.65), 12q (0.35)			30				5	2			3		18	5	2	3	31	1	2				
Doris	Central			1858	08TDD631-SRK-WR-434	W	01a	1a (0.85), 12q (0.15)			25				6					8	9		3		37	2	9				
Doris	Connector			591	208879	W	01a	1a (0.96), 12q (0.04)			30				19				7		11	6	1		22	1	4		tr		
Doris	Connector			593	208881	O	01a	1a (0.61), 12q (0.39)			36				5				3		21	3	1		25	1	5				
Doris	North			551	208835	O	01a	1a (0.65), 12q (0.35)		12			6		17			1	18			13		4	30	2					
Doris	North			555	208857	O	01a	1a (0.91), 12q (0.09)			32				12				6		20		1		26	1	3				
Doris	North			563	208875	W	01a	1a (0.96), 12q (0.04)			24		1		29				7		14	3		1	20	1	1				
Doris	North			566	208887	O	01a	1a (0.94), 12q (0.06)			20		4		33	1			5		14	3			20	1					
Doris	North			570	208891	O	01a	1a (0.73), 12q (0.27)			34				7				4		21	2	1		29	1	2				
Doris	North			574	202714	O	01a	1a (0.59), 12q (0.41)			32				5				7		19		2		35	1					
Doris	North			587	202773	O	01a	1a (0.77), 12q (0.23)			21		11		17				2		16		1		30	1					
Doris	North			2513	TDD207-SRK-WR-837	W	01a	1a, 12q			16			1					19		5				54	1		5			
Doris	North			560	208872	W	01a	1a (0.65), 1pv (0.17), 1p (0.16), 12q (0.02)			13		9		49				1			11			18	1					
Doris	Central			609	202747	W	01a	1a (0.66), 1u (0.23), 2a (0.12)		8			13		33	2			12			20			13	1					
Doris	Connector			595	208883	W	01a	1a (0.81), 2a (0.19)			31		2		7				5		23	2	2		22	1	7				
Doris	Central			622	202762	W	01a	1a (0.93), 9n (0.05), 10b (0.02)			37				4				6		23	2	1		23	1	3				
Doris	Central			634	202731	W	01a	1a (0.97), 9n (0.03)			27		2		24				2		6	14			21	1	3				
Doris	North			562	208874	W	01a	1a (0.8), 9n (0.2)			17				43				11			9			19	1					
Doris	Central			625	202722	W	01a	1a (0.69), 9pf (0.31)			30		5		26				11			3			24	1					
Doris	Central			616	202756	W	01a	1a (0.99), 10a (0.01)			24		4		31	1			4			17			20	1					
Doris	Central			640	202737	W	01a	1a (0.93), 10a (0.07)			23		2		30	1			2		4	15	4	1	20	1					
Doris	Connector			590	208878	W	01a	1a (0.79), 10a (0.21)			20		1		37				10		6	7			17	1	1				

Appendix F: XRD Data - Doris Samples

Deposit	Zone				Sample ID	Economic Classification	Lithology		Albite ALB %	Amphibole AMP %	Ferroan Dolomite ANK %	Biotite BIO %	Calcite CAL %	Chamosite CHAM %	Chlorite CHL %	Epidote EP %	Ilmenite IL %	Magnetite MAG %	Muscovite mus %	Muscovite/Sericite MUSC %	Paragonite PG %	Plagioclase PLAG %	Pyrite PY %	Pyroxene PYX %	Quartz QTZ %	Rutile RUT %	Siderite SID %	Siderite/Magnesite SID/MAGN %	Stilpnomelane STILP %	Talc TC %	Titanite TIT %
							Primary	Summary (if additional lithologies) (proportion in parentheses)																							
Doris	Connector			1757	96TDD067-SRK-WR-330	W	01a	1a (0.71), 10a (0.29)			18		1		44					19					18	tr					
Doris	Connector			1974	TDD307-SRK-WR-546	w	01a	1a (0.97), 10a (0.03)			26		3		34						8	6			23	tr					
Doris	North			2524	TDD219-SRK-WR-848	W	01a	1a, 10a	9		21			9					10		13		2		30	2		4			
Doris	Connector			1856	TDD409-SRK-WR-432	W	01u	1u (0.98), 10a (0.02)			9		9		36							23			22	1					
Doris	Central			600	202711	W	01a	1a (0.86), 10b (0.07), 12q (0.07)			21		1		24	7			4		13	11	1		19	1	2				
Doris	Central			615	202755	W	01a	1a (0.88), 10b (0.06), 12q (0.05)			33		2		13				3		16	8			22	1	3				
Doris	Central			619	202759	W	01a	1a (0.97), 10b (0.03)			26		2		21	1			3		12	9			23	1	2				
Doris	Central			630	202727	W	01a	1a (0.94), 10b (0.06)			29		2		16	2		1	5			14	1	2	26	1	4				
Doris	Central			635	202732	W	01a	1a (0.87), 10b (0.13)			31				16	2			3		12	8			25	1	2				
Doris	Central			1803	08TDD623-SRK-WR-376	W	01a	1a (0.99), 10b (0.01)		19			2		29							30	1		16	2					
Doris	North			548	208832	W	01a	1a (0.99), 10b (0.01)			17		2		47				11			3			19	1					
Doris	Central			599	202710	W	01a	1a (0.91), 11c (0.09)			13		4		35	2			8		13	7			18	1					
Doris	Central			620	202760	W	01a	1a (0.96), 11c (0.04)			24		2		27	1			7			17			21	1					
Doris	Central			621	202761	W	01a	1a (0.97), 11c (0.03)			37				14				11		tr	7			27	1	3				
Doris	Connector			1758	96TDD071-SRK-WR-331	W	01a	1a (0.84), 11c (0.16)			18		4		36					11		6			24	1					
Doris	Connector			1760	96TDD071-SRK-WR-333	W	01a	1a (0.98), 11c (0.02)			6		9		41					7		14			21	1					
Doris	North			550	208834	O	01a	1a (0.86), 12q (0.08), 12c (0.03), 10b (0.02)			14		10		25				15		12	4		1	19	1					
Doris	North			584	202770	W	01a	1a (0.84), 12q (0.09), 12c (0.05), 10b (0.03)			6		14		26	2			9			11	1	5	25	1					
Doris	North			567	208888	W	01a	1a (0.83), 12q (0.12), 10b (0.04)			12		9		33	2			5		16	4			21	1					
Doris	Central			638	202735	O	01a	1a (0.51), 12q (0.32), 10a (0.17)			30				9	2			4		14	3	1	1	35	1					
Doris	North			543	208827	W	01a	1a (0.93), 15c (0.07)		8	8		5		49				6			10			15	1					
Doris	North			571	208892	W	01a	1a (0.95), 15c (0.05)			11		2		44				8		18	3			15	1					
Doris	Central			610	202748	W	02a						9		14	2			18			30			26	1					
Doris	Connector			596	208884	W	02a				15		8		39				3		18	5			13	1					
Doris	Central			1800	08TDD623-SRK-WR-373	W	05aj			11		17			16			4				29		8	14	1					
Doris	Central			1807	08TDD623-SRK-WR-380	W	09n				9		7		30					20		15			18	1					
Doris	Connector			1842	98TDD185A-SRK-WR-418	W	09n				26				21					12		25			16	tr					
Doris	Central			628	202725	W	09pf				7		6		13				6			45			23						
Doris	Central			114	178814	W	10a				34				14				13		14		1		21	1	1				
Doris	Central			639	202736	W	10a				13		4		34	3			2		8	15			22	1					
Doris	Connector			1745	95TDD004-SRK-318	W	10a			6			14		51	5						7			17						
Doris	Connector			1746	95TDD004-SRK-319	W	10a				33		1		26					4	6	9			20	tr					
Doris	Connector			1756	96TDD067-SRK-WR-329	W	10a			16	6		3		39	11						12			12						1
Doris	Connector			1851	TDD409-SRK-WR-427	W	10a				39		1		19						11				28	2					
Doris	Connector			1854	TDD409-SRK-WR-430	W	10a				17		10		37						6	9			21						
Doris	Connector			1855	TDD409-SRK-WR-431	W	10a				38				16					10	6					26	2	2				
Doris	Connector			1975	TDD307-SRK-WR-547	w	10a				20		4		42						8					26						
Doris	Central			612	202750	W	10a	10a (0.99), 1a (0.01)		7			3		38	11						20			13	1				7	
Doris	Central			618	202758	W	10a	10a (0.82), 1a (0.18)		3			9		45	11			tr			16	1		17						
Doris	Central			626	202723	W	10a	10a (0.97), 1a (0.03)		8					33	8						28	1		7					15	
Doris	Central			632	202729	W	10a	10a (0.92), 1a (0.08)		6			5		42	12			4			15	1		15	1					
Doris	Connector			1747	95TDD004-SRK-320	W	10a	10a (0.91), 1a (0.09)		5	25		2		22				4		5	6	14			20	1					
Doris	Connector			1751	95TDD007-SRK-324	W	10a	10a (0.43), 1a (0.33), 10b (0.23)		22			5		25	12						27			9						
Doris	Connector			1755	96TDD067-SRK-WR-328	W	10a	10a (0.57), 1a (0.43)		11			10		42	7						17			12	tr					
Doris	Connector			1849	TDD409-SRK-WR-425	W	10a	10a (0.97), 1a (0.03)			18		1		26					10		31			13	1					
Doris	North			2522	TDD219-SRK-WR-846	W	10a	10, 1a, 12q	25		17			11					6		7				26	1		8			
Doris	Central			624	202764	W	10a	10a (0.91), 2a (0.09)					3		39	15			tr			15			27	1					
Doris	Central			617	202757	W	10a	10a (0.96), 10b (0.04)		14			3		34	20						18	1		11						
Doris	North			2523	TDD219-SRK-WR-847	W	10a	10a, 12q	12		19			6					10		10		1		34	1		6			
Doris	Central			1804	08TDD623-SRK-WR-377	W	10b			2		18			5		1					30		23	2					19	
Doris	Connector			1750	95TDD007-SRK-323	W	10b	10b (0.75), 1a (0.25)		16	11		4		26					3	4	23			13						
Doris	Central			1799	08TDD623-SRK-WR-372	W	11cm			4		5			5					1		43		26	5					11	
Doris	Central			1814	08TDD623-SRK-WR-387	W	11cm			17		6			3		3	4				37		24	6						
Doris	Central			597	202708	W	11c			12			1		34	9					16	16	1	2	7				4		
Doris	Central			598	202709	W	11c			15					37	11					13	14		2	9						
Doris	Central			601	202713	W	11c			9			3		40	10						27	1		11				Tr		
Doris	Connector			1759	96TDD071-SRK-WR-332	W	11c				14		4		34					12		23			12	tr					
Doris	North			547	208831	W	11c	11c (0.67), 1a (0.33)		24			1		14				6			33		17	4	1					
Doris	Central			19	178719	W	12q				1														99						
Doris	Central			26	178726	O	12q				3									4			1		92						
Doris	Central			69	178769	O	12q				8								5		2		3		81	1					
Doris	Central			1731	08TDD628-SRK-WR-304	W	12q				27									11	6		14		39	2					
Doris	Central			1734	08TDD628-SRK-WR-307	W	12q				28				1					11	7		3		40	2	8				
Doris	Central			1857	08TDD631-SRK-WR-433	W	12q				27		1							12	3		2		52	2					
Doris	Central			1859	08TDD631-SRK-WR-435	O	12q				18									10	3		9		58	2					
Doris	Central			1866	08TDD631-SRK-WR-442	W	12q				4									3			1		92						
Doris	Central			623	202763	O	12q	12q (0.69), 2a (0.13), 1a (0.1), 9n (0.07)			36		1		6				7		11	2			38	1					
Doris	Central			1868	08TDD631-SRK-WR-444	O	12q	12q (0.79), 1a (0.21)			16									7	3		3		68	1	2				
Doris	North			575	202719	W	12q	12q (0.62), 1a (0.38)			26				5				11			1	1		53	2					
Doris	North			581	202767	O	12q	12q (0.82), 1a (0.18)			15				2				4			1			78						

Appendix G: ABA Data Used for ARD Classifications

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies) (proportion in parentheses)	Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
Doris	Central	08TDD628-SRK-WR-303	SRK	08TDD628	31.50	41.56	W	01		8.9	1.47	231	388	5.0	8.5
Doris	Central	08TDD628-SRK-WR-306	SRK	08TDD628	49.50	59.00	W	01		8.7	3.1	188	338	1.9	3.5
Doris	Central	08TDD628-SRK-WR-308	SRK	08TDD628	62.00	71.00	W	01		9.0	0.3	185	374	19.7	39.9
Doris	Central	08TDD628-SRK-WR-309	SRK	08TDD628	71.00	80.00	W	01		9.0	0.1	204	407	65.2	130.1
Doris	Central	08TDD628-SRK-WR-310	SRK	08TDD628	80.00	88.76	W	01		8.8	0.09	181	313	64.4	111.4
Doris	Central	08TDD628-SRK-WR-305	SRK	08TDD628	42.00	49.50	W	01		8.4	6.02	208	310	1.1	1.6
Doris	North	HB-214262	Historic	06TDD613A	46.00	47.00	W	01a		8.4	0.06	250	187	133.3	99.6
Doris	North	HB-214263	Historic	06TDD613A	47.00	48.00	W	01a		8.6	0.09	264	188	93.8	66.7
Doris	North	HB-214264	Historic	06TDD613A	48.00	49.00	W	01a		8.6	0.04	278	185	222.0	148.2
Doris	North	HB-214265	Historic	06TDD613A	49.00	50.00	W	01a		8.5	0.13	273	222	67.1	54.7
Doris	North	HB-214266	Historic	06TDD613A	50.00	51.00	W	01a		8.6	0.04	219	178	175.0	142.5
Doris	North	HB-214267	Historic	06TDD613A	51.00	52.00	W	01a		8.7	0.02	238	174	380.0	278.9
Doris	North	HB-214268	Historic	06TDD613A	52.00	53.00	W	01a		8.7	0.02	265	242	424.0	386.9
Doris	North	HB-214269	Historic	06TDD613A	53.00	54.00	W	01a		8.6	0.07	265	263	121.1	120.2
Doris	North	HB-214270	Historic	06TDD613A	54.00	55.00	W	01a		8.8	0.06	273	227	145.3	121.0
Doris	North	HB-214271	Historic	06TDD613A	55.00	56.00	W	01a		8.9	0.02	246	228	394.0	365.5
Doris	North	HB-214272	Historic	06TDD613A	56.00	57.00	W	01a		8.7	0.01	303	228	968.0	728.7
Doris	North	HB-214273	Historic	06TDD613A	57.00	58.00	W	01a		8.7	0.06	206	183	110.0	97.6
Doris	North	HB-214274	Historic	06TDD613A	58.00	59.00	W	01a		8.8	0.08	264	207	105.5	82.6
Doris	North	HB-214275	Historic	06TDD613A	59.00	60.00	W	01a		8.9	0.01	298	219	952.0	701.1
Doris	North	HB-214276	Historic	06TDD613A	60.00	61.00	W	01a		8.9	0.04	255	167	204.0	133.8
Doris	North	HB-214277	Historic	06TDD613A	61.00	62.00	W	01a		9.0	0.19	265	124	44.6	20.9
Doris	North	HB-214278	Historic	06TDD613A	62.00	63.00	W	01a		8.9	0.01	270	152	864.0	485.1
Doris	North	HB-214279	Historic	06TDD613A	63.00	64.00	W	01a		9.2	0.02	260	130	416.0	208.7
Doris	North	HB-214280	Historic	06TDD613A	64.00	64.75	W	01a		8.9	0.1	256	98	82.0	31.2
Doris	North	HB-214281	Historic	06TDD613A	64.75	65.00	W	01a		9.1	2.33	174	64	2.4	0.9
Doris	North	HB-214282	Historic	06TDD613A	65.00	66.00	W	01a		9.0	0.15	148	44	31.5	9.4
Doris	North	HB-214283	Historic	06TDD613A	66.00	66.75	W	01a		9.3	0.03	120	28	128.0	29.3
Doris	North	HB-214284	Historic	06TDD613A	66.75	67.50	W	01a		8.9	0.8	109	12	4.4	0.5
Doris	North	HB-214285	Historic	06TDD613A	67.50	68.50	W	01a		8.9	0.23	40	10	5.5	1.4
Doris	North	HB-214286	Historic	06TDD613A	68.50	69.40	W	01a		9.3	0.01	27	11	86.4	36.4
Doris	North	HB-214287	Historic	06TDD613A	69.40	69.50	W	01a		8.2	3.49	21	3	0.2	0.0
Doris	North	HB-214288	Historic	06TDD613A	69.50	70.00	W	01a		8.9	0.06	18	4	9.6	1.9
Doris	North	HB-214289	Historic	06TDD613A	70.00	71.00	W	01a		8.9	0.29	19	3	2.0	0.3
Doris	North	HB-214556	Historic	06TDD616	40.00	41.00	W	01a		9.0	0.06	124	72	66.3	38.3
Doris	North	HB-214557	Historic	06TDD616	41.00	41.50	W	01a		8.9	0.07	151	72	68.9	32.7
Doris	North	HB-214558	Historic	06TDD616	41.50	42.00	W	01a		9.0	0.03	120	61	128.0	64.7
Doris	North	HB-214559	Historic	06TDD616	42.00	43.00	W	01a		8.9	0.03	169	51	180.0	54.8
Doris	North	HB-214560	Historic	06TDD616	43.00	44.00	W	01a		8.9	0.08	124	54	49.5	21.6
Doris	North	HB-214561	Historic	06TDD616	44.00	45.00	W	01a		8.9	0.04	110	53	88.0	42.2
Doris	North	HB-214562	Historic	06TDD616	45.00	46.00	W	01a		8.8	0.03	118	70	125.3	75.2
Doris	North	HB-214563	Historic	06TDD616	46.00	46.31	W	01a		8.8	0.01	123	72	392.0	229.8
Doris	North	HB-214564	Historic	06TDD616	46.31	46.41	W	01a		8.3	6.74	131	80	0.6	0.4
Doris	North	HB-214565	Historic	06TDD616	46.41	47.50	W	01a		8.9	0.04	107	65	85.5	51.6
Doris	North	HB-214566	Historic	06TDD616	47.50	48.50	W	01a		8.9	0.01	109	55	350.0	177.5
Doris	North	HB-214567	Historic	06TDD616	48.50	49.50	W	01a		8.9	0.06	113	44	60.3	23.6
Doris	North	HB-214568	Historic	06TDD616	49.50	50.50	W	01a		9.0	0.06	96	47	51.3	25.0
Doris	North	HB-214569	Historic	06TDD616	50.50	51.50	W	01a		9.0	0.06	71	26	38.0	13.9
Doris	North	HB-214570	Historic	06TDD616	51.50	52.50	W	01a		8.8	0.06	68	18	36.3	9.7
Doris	North	HB-214571	Historic	06TDD616	52.50	53.50	W	01a		8.9	0.06	94	29	50.0	15.5
Doris	North	HB-214572	Historic	06TDD616	53.50	54.50	W	01a		8.9	0.01	114	50	364.0	161.5
Doris	North	HB-214573	Historic	06TDD616	54.50	55.50	W	01a		8.5	0.08	103	84	41.0	33.5
Doris	North	HB-214574	Historic	06TDD616	55.50	56.50	W	01a		8.6	0.11	124	104	36.0	30.3
Doris	North	HB-214575	Historic	06TDD616	56.50	57.50	W	01a		8.6	0.04	141	119	112.5	95.1
Doris	North	HB-214576	Historic	06TDD616	57.50	58.50	W	01a		8.8	0.02	121	82	193.0	131.3
Doris	North	HB-214577	Historic	06TDD616	58.50	59.50	W	01a		8.8	0.03	108	89	114.7	94.5
Doris	North	HB-214578	Historic	06TDD616	59.50	60.50	W	01a		8.6	0.01	171	147	548.0	469.1
Doris	North	HB-214579	Historic	06TDD616	60.50	61.50	W	01a		8.4	0.01	189	168	604.0	536.7
Doris	North	HB-214580	Historic	06TDD616	61.50	62.50	W	01a		8.5	0.04	157	110	125.5	87.8
Doris	North	HB-214581	Historic	06TDD616	62.50	63.50	W	01a		8.3	0.04	134	87	107.5	69.3
Doris	North	HB-214582	Historic	06TDD616	63.50	64.50	W	01a		8.3	0.05	163	84	104.0	53.8
Doris	North	HB-214583	Historic	06TDD616	64.50	65.50	W	01a		8.3	0.03	144	106	153.3	113.2
Doris	North	HB-214584	Historic	06TDD616	65.50	66.50	W	01a		8.5	0.02	138	122	221.0	194.5
Doris	North	HB-214585	Historic	06TDD616	66.50	67.50	W	01a		8.7	0.08	110	108	44.0	43.1
Doris	North	HB-214586	Historic	06TDD616	67.50	68.50	W	01a		8.6	0.06	48	26	25.7	14.1
Doris	North	HB-214587	Historic	06TDD616	68.50	69.00	W	01a		8.6	0.13	24	13	6.0	3.1
Doris	North	DOUB #1	Historic	TDD230	33.44	33.84	W	01a		8.7	0.11	163	115	47.4	33.6
Doris	North		Historic	96TDM104	23.87	24.39	W	01a		9.5	0.36	347	--	30.8	--
Doris	North		Historic	96TDM106	54.62	54.90	W	01a		9.4	0.13	247	--	60.8	--
Doris	North		Historic	96TDM110	56.93	57.50	W	01a		9.6	0.15	296	--	63.1	--
Doris	North		Historic	96TDM112	11.00	11.56	W	01a		8.9	4.2	310	--	2.4	--
Doris	North		Historic	95TDD017	105.22	105.68	W	01a		8.8	0.21	41	--	6.2	--
Doris	North		Historic	95TDD017	107.65	108.51	W	01a		8.8	0.06	87	--	46.4	--
Doris	North		Historic	95TDD021	90.90	91.36	W	01a		8.7	0.09	123	--	43.7	--
Doris	North		Historic	95TDD021	92.47	92.81	W	01a		8.8	0.07	91	--	41.6	--
Doris	North		Historic	95TDD065	231.02	231.50	W	01a		8.7	0.02	40	--	64.0	--
Doris	North		Historic	96TDM100	26.87	27.16	W	01a		8.8	0.16	86	--	17.2	--
Doris	North		Historic	96TDM102	82.00	82.26	W	01a		8.8	0.07	54	--	24.7	--
Doris	North		Historic	96TDM106	21.05	21.29	W	01a		8.8	0.02	66	--	105.6	--
Doris	North		Historic	96TDM109	33.16	33.47	W	01a		8.8	0.13	108	--	26.6	--
Doris	North		Historic	96TDM115	11.96	12.20	W	01a		8.9	0.14	74	--	16.9	--
Doris	North		Historic	96TDM099A	69.19	69.50	W	01a		8.7	0.04	100	--	80.0	--
Doris	North		Historic	95TDD065	318.57	319.02	W	01a		8.9	0.01	35	--	112.0	--
Doris	North		Historic	95TDD054	101.20	101.60	W	01a		8.5	0.11	233	--	67.8	--
Doris	North		Historic	95TDD054	104.28	104.57	W	01a		8.5	0.11	175	--	50.9	--
Doris	North	B	Historic	95TDD057	113.47	117.82	W	01a		8.5	0.12	184	--	49.1	--
Doris	North		Historic	96TDM110	90.00	90.30	W	01a		8.6	0.15	208	--	44.4	--
Doris	North		Historic	96TDM110	90.30	90.53	W	01a		8.7	0.12	158	--	42.1	--
Doris	North		Historic	96TDM099A	68.26	68.59	W	01a		8.5	0.04	143	--	114.4	--
Doris	North		Historic	96TDM099A	68.59	68.85	W	01a		8.9	0.03	124	--	132.3	--
Doris	North	DOP #5	Historic	TDD213	49.42	49.82	W	01a		8.7	0.21	138	85	21.0	13.0
Doris	North	DOP #6	Historic	TDD223	104.93	105.23	W	01a		8.9	0.02	173	139	276.6	221.8
Doris	North	DOP #11	Historic	TDD203	118.29	118.67	W	01a		9.1	1.35	308	340	7.3	8.1
Doris	North	DOP #12	Historic	TDD275	54.60	54.88	W	01a		9.4	1.68	337	386	6.4	7.4
Doris	North	DOP #13	Historic	TDD275	64.81	65.13	W	01a		9.0	0.09	196	158	69.5	56.2
Doris	North	DOP #15	Historic	TDD212	108.81	109.25	W	01a		9.0	0.78	307	372	12.6	15.3
Doris	North	DOP #16	Historic	TDD229	102.20	102.70	W	01a		9.3	1.17	358	309	9.8	8.5
Doris	North	DOP #19	Historic	TDD236	37.00	37.47	W	01a		9.4	0.33	365	410	35.4	39.7
Doris	North		Historic	96TDM113	59.10	59.70	W	01a		9.2	0.08	319	--	127.6	--
Doris	North	4	Historic	TDD209	5.18	5.70	W	01a		8.6	0.15	169	130	36.1	27.8
Doris	North	35	Historic	TDD215	40.67	41.35	W	01a		8.7	0.08	197	252	78.6	100.6
Doris	North	33	Historic	TDD222	28.60	28.95	W	01a		8.3	0.07	179	168	81.9	76.6
Doris	North	32	Historic	TDD224	71.65	72.15	W	01a		8.9	1.46	228	252	5.0	5.5
Doris	North	30	Historic	TDD242	79.25	79.75	W	01a		8.9	0.12	224	203	59.7	54.2
Doris	North	26	Historic	TDD223	118.50	119.00	W	01a		9.3	0.11	272	322	79.2	93.6
Doris	North	29	Historic	TDD231	75.29	75.72	W	01a		9.4	0.05	336	374	214.9	239.4
Doris	North	23	Historic	TDD245	40.05	40.50	W	01a		9.3	0.17	286	381	53.8	71.8
Doris	North	208828	Newmont	02TDD506	39.00	64.00	W	01a		8.6	0.118	166	183	44.9	49.6
Doris	North	208829	Newmont	02TDD506	64.00	89.00	W	01a		8.7	0.129	174	198	43.2	49.1
Doris	North	208830	Newmont	02TDD506	89.00	114.00	W	01a		9.2	0.193	112	55	18.5	9.1
Doris	North	208833	Newmont	02TDD467	31.00	56.00	W	01a		8.8	0.264	117	162	14.1	19.7
Doris	North	208836	Newmont	02TDD463	14.28	40.00	W	01a		8.5	0.112	123	244	35.1	69.6
Doris	North	208837	Newmont	02TDD463	40.00	65.00	W	01a		8.5	0.137	133	241	31.2	56.3
Doris	North	208856	Newmont	02TDD492	1.22	26.00	W	01a		8.8	0.124	117	223	30.1	57.6
Doris	North	208858	Newmont	02TDD492	51.00	72.54	W	01a		9.1	0.156	201	395	41.3	80.9
Doris	North	208859	Newmont	02TDD422	12.19	37.00	W	01a		8.8	0.251	129	152	16.5	19.4
Doris	North	208870	Newmont	02TDD559	18.93	44.00	W	01a		8.5	0.448	126	226	9.0	16.1
Doris	North	208871	Newmont	02TDD559	44.00	69.00	W	01a		8.7	0.252	176	234	22.3	29.7
Doris	North	208873	Newmont	02TDD544	1.80	27.00	W	01a		8.6	0.164	120	216	23.5	42.1
Doris	North	208885	Newmont	02TDD545	6.36	32.00	W	01a		8.6	0.712	134	248	6.0	11.1
Doris	North	208886	Newmont	02TDD545	32.00	57.00	W	01a		8.5	0.131	133	220	32.4	53.7
Doris	North	208889	Newmont	02TDD511	3.05	28.00	W	01a		8.5	0.138	105	215	24.3	49.8
Doris	North	208890	Newmont	02TDD511	28.00	53.00	W	01a		9.0	0.091	123	325	43.2	114.2
Doris	North	208893	Newmont	02TDD421	35.00	57.00	W	01a		8.7	0.172	118	220	22.0	40.9
Doris	North	208894	Newmont	02TDD421	57.00	64.75	W	01a		8.9	0.28	122	310	13.9	35.4
Doris	North	202766	Newmont	02TDD422	56.50	61.38	W	01a		8.9	0.126	175	383	44.6	97.2

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies) (proportion in parentheses)	Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
Doris	North	202768	Newmont	02TDD422	44.00	51.00	W	01a		8.6	0.118	129	358	34.9	97.1
Doris	North	202769	Newmont	02TDD422	37.00	44.00	W	01a		8.4	0.143	101	166	22.6	37.1
Doris	North	202771	Newmont	02TDD467	56.00	62.00	W	01a		8.6	0.302	171	342	18.1	36.3
Doris	North	202772	Newmont	02TDD463	65.00	76.00	W	01a		8.6	0.104	137	328	42.2	100.8
Doris	North	08TDD632-SRK-WR-358	SRK	08TDD632	3.00	13.50	W	01a		8.2	0.14	178	233	40.7	53.1
Doris	North	08TDD632-SRK-WR-359	SRK	08TDD632	13.50	23.00	W	01a		8.2	0.11	162	213	47.2	61.8
Doris	North	08TDD632-SRK-WR-360	SRK	08TDD632	23.00	33.50	W	01a		8.2	0.13	194	238	47.7	58.7
Doris	North	08TDD632-SRK-WR-361	SRK	08TDD632	33.50	44.00	W	01a		8.3	0.12	155	210	41.3	56.0
Doris	North	08TDD632-SRK-WR-362	SRK	08TDD632	44.00	53.81	W	01a		8.3	0.12	127	147	34.0	39.1
Doris	North	08TDD632-SRK-WR-363	SRK	08TDD632	53.81	60.35	W	01a		8.0	0.09	114	138	40.7	49.2
Doris	North	08TDD632-SRK-WR-364	SRK	08TDD632	60.35	70.50	W	01a		8.2	0.12	161	228	43.0	60.9
Doris	North	08TDD632-SRK-WR-365	SRK	08TDD632	70.50	81.00	W	01a		8.4	0.14	170	240	39.0	54.9
Doris	North	08TDD632-SRK-WR-366	SRK	08TDD632	81.00	92.00	W	01a		8.3	0.17	166	272	31.3	51.1
Doris	North	08TDD632-SRK-WR-367	SRK	08TDD632	92.00	107.00	W	01a		8.2	0.24	203	265	27.1	35.3
Doris	North	08TDD632-SRK-WR-368	SRK	08TDD632	107.00	118.00	W	01a		8.4	0.1	180	224	57.6	71.7
Doris	North	08TDD632-SRK-WR-369	SRK	08TDD632	118.00	128.50	W	01a		8.4	0.19	162	235	27.2	39.6
Doris	North	08TDD632-SRK-WR-370	SRK	08TDD632	128.50	139.00	W	01a		8.3	0.17	149	225	28.1	42.4
Doris	North	08TDD632-SRK-WR-371	SRK	08TDD632	139.00	149.00	W	01a		8.2	0.13	135	183	33.2	44.9
Doris	North		Historic	95TDD057	12.78	16.47	W	01a		9.1	0.14	45	--	10.3	--
Doris	North		Historic	95TDD057	20.52	24.49	W	01a		9.5	0.21	28	--	4.3	--
Doris	Connector	178829	SRK	TDD329	103.33	104.95	W	01a		8.9	0.45	177	333	12.6	23.6
Doris	Connector	178832	SRK	TDD329	159.22	161.22	W	01a		8.9	0.08	196	372	78.4	148.6
Doris	Connector	178833	SRK	96TDD069	139.58	142.58	W	01a		8.9	0.12	182	360	48.4	96.0
Doris	Connector	178834	SRK	96TDD069	149.44	151.26	W	01a		9.1	0.99	307	419	9.9	13.5
Doris	Connector	178835	SRK	96TDD069	151.26	152.44	W	01a		9.2	0.22	296	417	43.0	60.6
Doris	Connector	178837	SRK	96TDD069	218.50	220.15	W	01a		8.7	1.51	182	305	3.9	6.5
Doris	Connector	178838	SRK	96TDD069	220.15	221.50	W	01a		8.8	0.31	192	331	19.8	34.2
Doris	Connector		Historic	96TDM098	77.26	77.53	W	01a		9.4	0.09	322	--	114.5	--
Doris	Connector		Historic	96TDM097	30.07	30.67	W	01a		9.6	0.15	323	--	68.9	--
Doris	Connector		Historic	96TDM097	83.63	83.93	W	01a		8.8	0.04	144	--	115.2	--
Doris	Connector		Historic	96TDM097	83.93	84.20	W	01a		9.0	0.05	153	--	97.9	--
Doris	Connector		Historic	96TDM098	23.00	23.26	W	01a		8.5	0.37	166	--	14.4	--
Doris	Connector	208876	Newmont	TDD414	24.99	50.00	W	01a		8.7	0.078	139	284	57.1	116.5
Doris	Connector	208877	Newmont	TDD414	50.00	75.00	W	01a		8.6	0.159	144	262	28.9	52.7
Doris	Connector	208880	Newmont	TDD414	125.00	150.00	W	01a		8.8	0.24	141	345	18.8	45.9
Doris	Connector	208882	Newmont	TDD414	175.00	200.00	W	01a		8.6	0.279	131	299	15.0	34.3
Doris	Central	178701	SRK	TDD388A	163.28	166.50	W	01a		8.9	0.12	178	287	47.5	76.5
Doris	Central	178702	SRK	TDD388A	166.50	169.50	W	01a		8.4	0.13	181	255	44.6	62.9
Doris	Central	178703	SRK	TDD388A	169.50	172.57	W	01a		8.5	0.15	139	177	29.7	37.8
Doris	Central	178705	SRK	TDD388A	174.40	176.40	W	01a		8.5	0.16	150	165	29.9	33.1
Doris	Central	178709	SRK	TDD382	223.19	226.19	W	01a		9.0	0.29	185	345	20.4	38.1
Doris	Central	178713	SRK	TDD382	247.80	249.02	W	01a		9.3	0.2	311	437	49.8	69.9
Doris	Central	178714	SRK	TDD383	189.00	191.02	W	01a		8.7	0.36	132	202	11.7	18.0
Doris	Central	178723	SRK	TDD368	192.29	195.29	W	01a		9.1	0.09	195	367	69.3	130.5
Doris	Central	178724	SRK	TDD363	138.55	141.55	W	01a		8.9	0.14	168	295	38.3	67.3
Doris	Central	178730	SRK	TDD376	159.00	162.00	W	01a		8.6	0.16	188	258	37.6	51.6
Doris	Central	178731	SRK	TDD376	162.00	164.00	W	01a		8.8	0.15	194	307	41.3	65.5
Doris	Central	178732	SRK	TDD376	164.00	165.85	W	01a		8.8	0.15	180	300	38.4	64.1
Doris	Central	178733	SRK	TDD376	170.09	171.00	W	01a		8.4	0.14	160	236	36.6	54.0
Doris	Central	178734	SRK	TDD376	233.00	236.00	W	01a		8.4	0.16	165	259	33.0	51.8
Doris	Central	178735	SRK	TDD376	236.00	239.00	W	01a		8.5	0.23	150	264	20.9	36.7
Doris	Central	178736	SRK	TDD376	239.00	241.50	W	01a		8.8	0.27	173	286	20.4	33.9
Doris	Central	178737	SRK	TDD376	241.50	244.50	W	01a		8.9	0.15	169	300	36.0	64.1
Doris	Central	178738	SRK	TDD376	256.00	258.16	W	01a		8.8	0.47	159	204	10.9	13.9
Doris	Central	178742	SRK	TDD376	266.50	267.50	W	01a		9.2	2.64	188	357	2.3	4.3
Doris	Central	178743	SRK	TDD376	290.53	292.82	W	01a		9.3	0.85	325	339	12.2	12.8
Doris	Central	178744	SRK	TDD376	297.38	300.38	W	01a		9.2	0.36	77	50	6.9	4.4
Doris	Central	178745	SRK	TDD394A	140.90	143.90	W	01a		9.2	0.52	224	335	13.8	20.6
Doris	Central	178747	SRK	TDD394A	157.10	159.30	W	01a		9.2	1.47	272	379	5.9	8.2
Doris	Central	178748	SRK	TDD394A	159.30	161.64	W	01a		9.3	0.11	315	344	91.6	100.0
Doris	Central	178749	SRK	TDD394A	169.00	171.11	W	01a		9.4	0.25	311	406	39.8	52.0
Doris	Central	178751	SRK	TDD394A	181.00	183.14	W	01a		9.3	0.08	230	311	92.2	124.5
Doris	Central	178752	SRK	TDD375A	190.28	192.20	W	01a		9.3	0.18	206	320	36.7	56.8
Doris	Central	178753	SRK	TDD375A	192.20	194.20	W	01a		8.9	0.1	123	230	39.2	73.7
Doris	Central	178754	SRK	TDD375A	194.20	196.20	W	01a		9.0	0.13	194	236	47.8	58.2
Doris	Central	178755	SRK	TDD375A	196.20	198.20	W	01a		8.9	1.32	183	270	4.4	6.5
Doris	Central	178756	SRK	TDD375A	198.20	201.00	W	01a		8.6	0.16	150	191	30.0	38.3
Doris	Central	178757	SRK	TDD375A	217.00	220.00	W	01a		9.2	0.14	191	352	43.7	80.5
Doris	Central	178758	SRK	TDD375A	228.63	231.63	W	01a		9.1	0.14	194	359	44.3	82.0
Doris	Central	178759	SRK	TDD386	230.16	232.64	W	01a		9.3	0.61	320	435	16.8	22.8
Doris	Central	178761	SRK	TDD386	238.66	239.20	W	01a		9.1	0.46	170	232	11.8	16.1
Doris	Central	178763	SRK	TDD389	165.00	166.55	W	01a		9.0	1.66	203	345	3.9	6.7
Doris	Central	178765	SRK	TDD389	171.12	172.28	W	01a		9.1	1.11	185	332	5.3	9.6
Doris	Central	178767	SRK	TDD389	173.83	175.00	W	01a		9.0	3.14	230	338	2.3	3.4
Doris	Central	178770	SRK	98TDD170A	266.49	268.00	W	01a		9.1	0.2	189	373	30.3	59.6
Doris	Central	178771	SRK	98TDD170A	268.85	270.47	W	01a		8.9	0.43	173	332	12.9	24.7
Doris	Central	178772	SRK	98TDD170A	278.00	279.03	W	01a		8.7	1.65	244	362	4.7	7.0
Doris	Central	178773	SRK	98TDD170A	279.03	280.60	W	01a		9.1	0.58	330	487	18.2	26.8
Doris	Central	178775	SRK	TDD380	182.00	185.00	W	01a		9.2	0.12	184	352	49.0	93.8
Doris	Central	178776	SRK	TDD380	251.44	253.44	W	01a		9.1	0.37	150	374	13.0	32.4
Doris	Central	178777	SRK	TDD380	244.00	245.70	W	01a		9.2	1.38	270	263	6.3	6.1
Doris	Central	178781	SRK	TDD380	263.43	264.85	W	01a		8.7	1.38	145	180	3.4	4.2
Doris	Central	178782	SRK	TDD374	186.44	188.85	W	01a		9.0	0.15	174	363	37.2	77.3
Doris	Central	178783	SRK	TDD374	188.85	190.00	W	01a		8.8	0.15	168	265	35.8	56.5
Doris	Central	178784	SRK	TDD370	253.21	255.12	W	01a		9.2	0.17	176	331	33.1	62.3
Doris	Central	178785	SRK	TDD370	255.12	256.95	W	01a		9.3	0.09	168	366	59.8	130.1
Doris	Central	178786	SRK	TDD397A	149.00	149.77	W	01a		9.2	0.08	129	310	51.5	124.0
Doris	Central	178790	SRK	TDD399	162.08	164.00	W	01a		8.5	0.09	169	238	60.0	84.4
Doris	Central	178791	SRK	TDD399	164.00	166.11	W	01a		8.6	0.14	142	186	32.4	42.5
Doris	Central	178794	SRK	97TDD138	232.00	235.00	W	01a		8.8	0.33	29	18	2.8	1.7
Doris	Central	178795	SRK	97TDD138	235.00	238.00	W	01a		9.3	0.28	64	44	7.3	5.0
Doris	Central	178796	SRK	97TDD138	238.00	240.85	W	01a		9.2	0.48	55	47	3.7	3.1
Doris	Central	178797	SRK	97TDD138	240.85	242.50	W	01a		8.5	2.96	131	134	1.4	1.4
Doris	Central	178798	SRK	97TDD138	242.50	243.21	W	01a		9.6	0.22	24	8	3.5	1.2
Doris	Central	178799	SRK	97TDD138	243.21	245.20	W	01a		9.0	1	134	132	4.3	4.2
Doris	Central	178800	SRK	97TDD138	245.20	246.35	W	01a		8.6	0.08	175	200	70.0	80.0
Doris	Central	178801	SRK	97TDD138	298.07	299.00	W	01a		8.6	0.09	108	135	38.4	48.0
Doris	Central	178802	SRK	97TDD138	299.00	300.22	W	01a		8.7	0.1	119	153	38.1	49.1
Doris	Central	178803	SRK	97TDD138	300.22	302.66	W	01a		8.5	0.12	141	188	37.5	50.2
Doris	Central	178804	SRK	97TDD138	302.66	304.26	W	01a		8.8	0.18	232	339	41.2	60.3
Doris	Central	178805	SRK	97TDD138	304.26	306.00	W	01a		8.8	0.07	188	258	86.0	118.1
Doris	Central	178821	SRK	TDD387	148.33	149.50	W	01a		8.9	0.11	174	315	50.6	91.6
Doris	Central	178822	SRK	TDD387	149.50	151.20	W	01a		9.0	0.15	182	333	38.7	70.9
Doris	Central	178823	SRK	TDD387	151.20	153.50	W	01a		8.8	1.78	202	336	3.6	6.0
Doris	Central	178824	SRK	TDD387	153.50	154.65	W	01a		8.7	0.61	191	248	10.0	13.0
Doris	Central	178825	SRK	TDD387	154.65	156.50	W	01a		8.7	0.21	173	303	26.4	46.2
Doris	Central	178826	SRK	TDD387	189.25	190.43	W	01a		8.9	0.52	140	355	8.6	21.8
Doris	Central	178827	SRK	TDD387	207.51	208.55	W	01a		9.0	0.13	203	386	49.9	95.0
Doris	Central	DUG #8	Historic	TDD363	213.42	213.67	W	01a		9.0	0.11	68	59	19.8	17.3
Doris	Central	DUMV #2	Historic	TDD367	151.49	152.03	W	01a		9.2	1.69	243	277	4.6	5.2
Doris	Central	DUMV #5	Historic	TDD390A	169.88	170.66	W	01a		8.9	6.57	229	264	1.1	1.3
Doris	Central	DUMV #7	Historic	TDD384	204.12	204.45	W	01a		8.7	0.23	297	348	41.3	48.4
Doris	Central	DUMV #9	Historic	TDD370	216.37	216.93	W	01a		9.2	0.14	273	356	62.4	81.3
Doris	Central	DUMV #10	Historic	TDD375A	231.90	232.21	W	01a		9.4	0.04	264	369	211.5	295.1
Doris	Central	DUMV #12	Historic	TDD392	216.68	217.36	W	01a		9.3	0.2	238	371	38.1	59.4
Doris	Central	DUMV #13	Historic	TDD385	211.48	211.95	W	01a		9.2	0.09	234	339	83.3	120.5
Doris	Central	DUMV #15	Historic	TDD382	235.86	236.47	W	01a		8.9	0.35	213	327	19.5	29.9
Doris	Central	DUMV #16	Historic	TDD383	180.82	181.05	W	01a		8.7	0.08	243	280	97.0	111.9
Doris	Central	DUMV #19	Historic	TDD387	205.92	206.35	W	01a		8.9	0.06	294	364	156.7	194.2
Doris	Central	DUMV #20	Historic	TDD387	207.21	207.62	W	01a		8.7	2.2	256	360	3.7	5.2
Doris	Central	DUMV #23	Historic	TDD372	170.17	170.62	W	01a		8.6	3.35	241	297	2.3	2.8
Doris	Central	DUMV #24	Historic	TDD372	173.31	173.57	W	01a		8.8	0.2	230	346	36.8	55.3
Doris	Central	208897	Newmont	97TDD150	59.10	75.00	W	01a		9.1	0.277	232	407	26.8	47.0
Doris	Central	202715	Newmont	TDD374	111.00	136.00	W	01a		8.7	0.18	117	205	20.8	36.5
Doris	Central	202716	Newmont	TDD374	136.00	161.00	W	01a		8.6	1.196	137	297	3.7	8.0
Doris	Central	202717	Newmont	TDD374	161.00	176.00	W	01a		8.5	0.421	119	252	9.0	19.1

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies) (proportion in parentheses)	Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
Doris	Central	202720	Newmont	TDD374	186.50	207.00	W	01a		8.7	0.936	138	313	4.7	10.7
Doris	Central	202721	Newmont	TDD374	207.00	223.11	W	01a		8.7	0.094	101	60	34.5	20.3
Doris	Central	202746	Newmont	TDD385A	14.90	23.00	W	01a		9.9	0.08	168	65	67.1	26.1
Doris	Central	202749	Newmont	TDD385A	39.70	45.00	W	01a		9.0	0.241	186	185	24.7	24.5
Doris	Central	202751	Newmont	TDD385A	72.00	97.00	W	01a		8.9	0.126	145	154	36.9	39.0
Doris	Central	202752	Newmont	TDD385A	97.00	117.00	W	01a		8.6	0.109	113	151	33.3	44.2
Doris	Central	202724	Newmont	TDD380	52.70	77.00	W	01a		8.3	0.132	178	216	43.1	52.5
Doris	Central	202726	Newmont	TDD380	77.00	102.00	W	01a		8.1	0.139	143	220	32.8	50.6
Doris	Central	202728	Newmont	TDD380	127.00	136.80	W	01a		8.4	0.157	145	290	29.6	59.0
Doris	Central	202730	Newmont	TDD380	161.00	186.00	W	01a		8.3	0.354	142	249	12.8	22.5
Doris	Central	202733	Newmont	TDD380	236.00	245.00	W	01a		8.7	0.67	158	332	7.5	15.8
Doris	Central	202738	Newmont	TDD380	319.00	342.22	W	01a		8.5	0.166	142	168	27.3	32.3
Doris	Connector	95TDD002-SRK-316	SRK	95TDD002	64.00	66.30	W	01a		9.4	0.2	162	360	25.9	57.6
Doris	Connector	95TDD002-SRK-317	SRK	95TDD002	70.91	73.30	W	01a		9.3	0.1	135	385	43.2	123.2
Doris	Connector	95TDD004-SRK-321	SRK	95TDD004	45.00	50.50	W	01a		9.2	0.16	238	398	47.5	79.5
Doris	Connector	95TDD007-SRK-322	SRK	95TDD007	77.38	85.50	W	01a		8.9	0.11	226	278	65.8	81.0
Doris	Connector	95TDD007-SRK-325	SRK	95TDD007	94.50	97.07	W	01a		8.9	0.04	60	64	48.1	51.3
Doris	Connector	95TDD008-SRK-326	SRK	95TDD008	67.48	76.00	W	01a		9.4	0.26	299	393	36.8	48.3
Doris	Connector	95TDD008-SRK-327	SRK	95TDD008	76.00	82.00	W	01a		9.5	0.17	327	312	61.5	58.7
Doris	Connector	96TDD071-SRK-WR-334	SRK	96TDD071	89.12	96.10	W	01a		8.7	0.12	190	306	50.7	81.6
Doris	Connector	TDD317-SRK-WR-338	SRK	TDD317	50.75	55.20	W	01a		9.4	0.12	170	315	45.3	84.0
Doris	Connector	TDD318-SRK-WR-339	SRK	TDD318	50.75	59.75	W	01a		9.3	0.12	206	366	55.0	97.6
Doris	Connector	TDD318-SRK-WR-340	SRK	TDD318	59.75	68.75	W	01a		9.1	0.16	193	339	38.5	67.8
Doris	Connector	TDD320A-SRK-WR-342	SRK	TDD320A	31.50	40.85	W	01a		9.4	0.2	200	383	32.0	61.3
Doris	Connector	TDD320A-SRK-WR-344	SRK	TDD320A	42.35	54.35	W	01a		9.4	0.17	186	375	35.1	70.6
Doris	Connector	TDD320A-SRK-WR-345	SRK	TDD320A	54.35	65.25	W	01a		8.5	0.15	179	308	38.1	65.6
Doris	Connector	TDD329-SRK-WR-346	SRK	TDD329	80.54	88.50	W	01a		9.3	0.12	156	373	41.7	99.6
Doris	Connector	TDD329-SRK-WR-347	SRK	TDD329	88.50	96.00	W	01a		9.3	0.26	169	363	20.8	44.7
Doris	Connector	TDD329-SRK-WR-348	SRK	TDD329	96.00	99.46	W	01a		8.0	0.21	120	198	18.3	30.2
Doris	Connector	TDD329-SRK-WR-349	SRK	TDD329	134.00	140.10	W	01a		9.5	0.27	331	459	39.3	54.4
Doris	Connector	TDD329-SRK-WR-350	SRK	TDD329	144.26	148.36	W	01a		9.4	0.11	315	385	91.6	112.0
Doris	Central	08TDD623-SRK-WR-374	SRK	08TDD623	215.45	225.75	W	01a		8.9	0.16	18	1	3.6	0.2
Doris	Central	08TDD623-SRK-WR-375	SRK	08TDD623	225.75	226.50	W	01a		8.5	0.88	50	23	1.8	0.8
Doris	Central	08TDD623-SRK-WR-381	SRK	08TDD623	259.20	264.45	W	01a		8.4	0.18	193	244	34.3	43.4
Doris	Central	08TDD623-SRK-WR-382	SRK	08TDD623	264.45	272.90	W	01a		8.1	0.15	147	144	31.4	30.8
Doris	Central	08TDD623-SRK-WR-383	SRK	08TDD623	272.90	281.50	W	01a		8.1	0.54	68	51	4.0	3.0
Doris	Central	08TDD623-SRK-WR-385	SRK	08TDD623	291.00	301.40	W	01a		8.3	0.71	69	43	3.1	2.0
Doris	Central	08TDD623-SRK-WR-386	SRK	08TDD623	301.40	303.60	W	01a		8.1	0.06	33	13	17.8	7.1
Doris	Connector	TDD327-SRK-WR-419	SRK	TDD327	174.00	181.50	W	01a		9.2	0.07	285	342	130.1	156.2
Doris	Connector	TDD327-SRK-WR-420	SRK	TDD327	181.50	189.50	W	01a		9.3	0.23	301	382	41.8	53.1
Doris	Connector	TDD409-SRK-WR-421	SRK	TDD409	42.06	45.00	W	01a		8.5	0.11	181	243	52.6	70.5
Doris	Connector	TDD409-SRK-WR-422	SRK	TDD409	51.00	57.00	W	01a		9.7	0.09	170	283	60.4	100.4
Doris	Connector	TDD409-SRK-WR-423	SRK	TDD409	60.00	63.20	W	01a		8.9	0.12	161	286	43.0	76.2
Doris	Connector	TDD409-SRK-WR-424	SRK	TDD409	65.70	76.50	W	01a		8.1	0.19	162	234	27.3	39.4
Doris	Connector	TDD409-SRK-WR-426	SRK	TDD409	138.20	142.95	W	01a		9.5	0.1	289	383	92.3	122.4
Doris	Connector	TDD409-SRK-WR-428	SRK	TDD409	148.40	149.50	W	01a		9.4	0.08	297	397	118.7	158.6
Doris	Connector	TDD409-SRK-WR-429	SRK	TDD409	152.50	154.30	W	01a		8.7	0.08	221	241	88.3	96.4
Doris	Central	08TDD631-SRK-WR-436	SRK	08TDD631	37.30	38.32	W	01a		8.8	2.57	121	283	1.5	3.5
Doris	Central	08TDD631-SRK-WR-437	SRK	08TDD631	38.32	41.00	W	01a		8.5	0.47	192	268	13.1	18.2
Doris	Central	08TDD631-SRK-WR-438	SRK	08TDD631	41.00	44.70	W	01a		8.9	0.34	212	338	20.0	31.8
Doris	Central	08TDD631-SRK-WR-439	SRK	08TDD631	44.70	45.70	W	01a		8.4	8.68	233	284	0.9	1.0
Doris	Central	08TDD631-SRK-WR-440	SRK	08TDD631	45.70	54.50	W	01a		8.8	0.07	154	327	70.5	149.3
Doris	Central	08TDD631-SRK-WR-441	SRK	08TDD631	63.50	71.80	W	01a		9.1	0.31	169	340	17.5	35.1
Doris	Central	08TDD631-SRK-WR-443	SRK	08TDD631	72.14	75.00	W	01a		8.6	4.22	189	298	1.4	2.3
Doris	Central	08TDD631-SRK-WR-445	SRK	08TDD631	86.50	97.00	W	01a		9.3	0.5	183	353	11.7	22.6
Doris	Central	08TDD631-SRK-WR-446	SRK	08TDD631	97.00	107.50	W	01a		9.3	0.34	171	339	16.1	31.9
Doris	Central	08TDD631-SRK-WR-448	SRK	08TDD631	112.00	122.00	W	01a		9.3	0.13	188	361	46.3	88.8
Doris	Connector	TDD307-SRK-WR-545	SRK	TDD307	43.50	49.50	w	01a		9.5	0.42	325	426	24.7	32.5
Doris	Connector	96TDM097-SRK-WR-337	SRK	96TDM097	88.00	92.78	W	01a		8.3	0.03	125	189	133.3	201.8
Doris	Central	TDD382-SRK-WR-851	SRK	TDD382	204.50	205.50	W	01a		9.0	0.12	195	311	52.1	83.1
Doris	Connector	96TDM098-SRK-WR-835	SRK	96TDM098	105.12	112.12	W	01a		9.5	0.22	182	376	26.5	54.7
Doris	Connector	96TDM098-SRK-WR-836	SRK	96TDM098	112.12	118.62	W	01a		9.5	0.1	147	350	47.1	111.9
Doris	North	02TDD565-SRK-WR-679	SRK	02TDD565	120.72	122.22	W	01a		8.2	0.12	137	164	36.5	43.7
Doris	North	02TDD565-SRK-WR-680	SRK	02TDD565	138.54	140.04	W	01a		8.6	0.02	45	41	71.8	66.1
Doris	North	08TDD632-SRK-WR-682	SRK	08TDD632	181.18	188.57	W	01a		8.5	<0.02	22	3	34.8	5.4
Doris	North	95TDD063-SRK-WR-827	SRK	95TDD063	21.00	22.75	W	01a		9.2	0.08	210	357	84.1	142.8
Doris	North	95TDD063-SRK-WR-828	SRK	95TDD063	36.25	43.50	W	01a		8.9	0.15	168	283	35.8	60.4
Doris	North	95TDD063-SRK-WR-829	SRK	95TDD063	43.50	46.55	W	01a		8.9	0.32	188	289	18.8	28.9
Doris	North	95TDD063-SRK-WR-830	SRK	95TDD063	58.25	63.10	W	01a		8.7	0.76	172	292	7.2	12.3
Doris	North	95TDD063-SRK-WR-831	SRK	95TDD063	63.10	70.25	W	01a		8.5	0.13	180	223	44.2	54.9
Doris	North	95TDD063-SRK-WR-832	SRK	95TDD063	70.25	77.75	W	01a		8.6	0.09	157	250	55.9	88.8
Doris	North	95TDD063-SRK-WR-833	SRK	95TDD063	81.50	87.75	W	01a		8.5	0.54	131	173	7.8	10.3
Doris	North	95TDD063-SRK-WR-834	SRK	95TDD063	87.75	95.25	W	01a		8.4	0.17	124	118	23.3	22.3
Doris	North	TDD207-SRK-WR-838	SRK	TDD207	23.50	26.50	W	01a		9.0	0.14	210	365	47.9	83.4
Doris	North	TDD207-SRK-WR-839	SRK	TDD207	34.19	36.87	W	01a		9.2	0.45	172	336	12.2	23.9
Doris	North	TDD216A-SRK-WR-840	SRK	TDD216A	14.00	20.50	W	01a		8.7	1.88	172	310	2.9	5.3
Doris	North	TDD216A-SRK-WR-841	SRK	TDD216A	21.84	26.92	W	01a		9.1	0.28	148	299	17.0	34.2
Doris	North	TDD216A-SRK-WR-842	SRK	TDD216A	32.60	34.15	W	01a		9.0	0.17	139	215	26.2	40.5
Doris	North	TDD216A-SRK-WR-843	SRK	TDD216A	37.00	41.00	W	01a		8.9	0.27	195	317	23.1	37.6
Doris	North	TDD216A-SRK-WR-844	SRK	TDD216A	42.90	50.62	W	01a		8.8	1.22	209	339	5.5	8.9
Doris	North	TDD219-SRK-WR-845	SRK	TDD219	15.24	24.00	W	01a		8.7	1.71	162	290	3.0	5.4
Doris	Central	05TDD584-SRK-WR-824	SRK	05TDD584	207.80	211.53	W	01p		9.0	0.09	217	347	77.0	123.4
Doris	Central	05TDD584-SRK-WR-825	SRK	05TDD584	221.14	222.32	W	01p		9.3	0.73	163	236	7.2	10.3
Doris	Connector	06TDD607-SRK-WR-826	SRK	06TDD607	132.50	141.28	W	01p		8.7	0.12	189	282	50.4	75.2
Doris	North	02TDD565-SRK-WR-681	SRK	02TDD565	161.85	162.74	W	01p		8.1	0.33	125	119	12.1	11.5
Doris	North	TDD224-SRK-WR-849	SRK	TDD224	20.00	27.50	W	01a		8.7	0.94	159	306	5.4	10.4
Doris	North	TDD224-SRK-WR-850	SRK	TDD224	36.00	39.85	W	01a		8.7	2.68	163	310	2.0	3.7
Doris	North		Historic	96TDM106	81.28	81.65	W	01p		9.4	0.11	317	--	92.2	--
Doris	North		Historic	96TDM108	49.68	49.95	W	01p		9.5	0.1	346	--	110.7	--
Doris	North		Historic	96TDM104	55.98	56.26	W	01p		8.4	0.11	242	--	70.4	--
Doris	North		Historic	96TDM104	58.02	58.27	W	01p		8.6	0.12	194	--	51.7	--
Doris	North		Historic	96TDM108	29.55	29.85	W	01p		8.5	0.34	149	--	14.0	--
Doris	North		Historic	96TDM110	83.93	84.24	W	01p		8.8	0.13	164	--	40.4	--
Doris	Central	178792	SRK	97TDD128	236.34	238.20	W	01p		8.9	0.2	199	301	31.9	48.1
Doris	Central	178811	SRK	97TDD131	164.50	167.50	W	01p		8.7	0.18	177	379	31.5	67.4
Doris	Central	178812	SRK	97TDD131	167.50	168.50	W	01p		8.7	0.16	179	392	35.8	78.3
Doris	Central	178813	SRK	97TDD131	168.50	169.13	W	01p		8.6	3.89	241	378	2.0	3.1
Doris	Central	178820	SRK	97TDD131	224.30	225.65	W	01p		9.1	0.1	220	416	70.4	133.1
Doris	Central	208895	Newmont	97TDD150	13.78	38.00	W	01p		8.7	0.319	156	221	15.6	22.2
Doris	Central	08TDD628-SRK-WR-311	SRK	08TDD628	88.76	99.00	W	01p		8.5	0.09	169	235	60.0	83.6
Doris	Central	08TDD628-SRK-WR-312	SRK	08TDD628	99.00	112.14	W	01p		8.6	0.2	173	243	27.6	38.8
Doris	Central	08TDD628-SRK-WR-313	SRK	08TDD628	112.14	117.88	W	01p		8.5	0.46	213	314	14.8	21.9
Doris	Central	08TDD628-SRK-WR-314	SRK	08TDD628	117.88	125.00	W	01p		9.2	0.16	174	353	34.8	70.5
Doris	Central	08TDD628-SRK-WR-315	SRK	08TDD628	135.00	140.50	W	01p		8.3	0.11	188	245	54.5	71.3
Doris	Connector	96TDD075-SRK-WR-335	SRK	96TDD075	148.60	150.60	W	01p		9.4	0.12	329	410	87.7	109.3
Doris	Connector	96TDD075-SRK-WR-336	SRK	96TDD075	150.60	154.35	W	01p		9.5	0.1	343	437	109.8	139.7
Doris	Central	08TDD623-SRK-WR-378	SRK	08TDD623	235.30	246.50	W	01ay		8.1	0.15	127	118	27.2	25.1
Doris	Central	08TDD623-SRK-WR-379	SRK	08TDD623	246.50	257.50	W	01ay		8.2	0.15	159	188	33.8	40.2
Doris	Central	08TDD623-SRK-WR-384	SRK	08TDD623	281.50	291.00	mixed	01a		8.3	0.27	57	58	6.8	6.9
Doris	North		Historic	96TDM105	63.91	64.40	O	01a		8.7	2.47	253	--	3.3	--
Doris	North		Historic	96TDM105	64.49	65.10	O	01a		8.9	3.43	311	--	2.9	--
Doris	North	DOP #8	Historic	TDD258	20.42	20.94	O	01a		9.3	0.8	281	334	11.2	13.3
Doris	North	5820	Historic	TDD203	103.76	104.45	O	01a		8.3	0.43	12	10	0.9	0.7
Doris	North	31	Historic	TDD236	37.47	38.47	O	01a		9.0	0.33	265	185	25.7	17.9
Doris	Connector	178831	SRK	TDD329	158.22	159.22	O	01a		8.4	5.51	228	345	1.3	2.0
Doris	Connector		Historic	96TDM097	33.21	33.95	O	01a		8.7	0.17	49	--	9.2	--
Doris	Central	178706	SRK	TDD388A	265.43	268.43	O	01a		8.8	3.11	193	300	2.0	3.1
Doris	Central	178718	SRK	TDD368	146.61	148.00	O	01a		8.8	0.83	185	350	7.1	13.5
Doris	Central	178725	SRK	TDD363	151.50	153.85	O	01a		8.9	1.63	183	334	3.6	6.6
Doris	Central	178727	SRK	TDD363	173.69	176.69	O	01a		9.0	2.22	285	357	4.1	5.1
Doris	Central	178746	SRK	TDD394A	156.25	157.10	O	01a		8.7	6.25	221	310	1.1	1.6
Doris	Central	178762	SRK	TDD389	160.94	164.00	O	01a		9.1	1.6	189	325	3.8	6.5
Doris	Central	178764	SRK	TDD389	166.55	168.00	O	01a		8.9	2.33	206	323	2.8	4.4
Doris	Central	178766	SRK	TDD389	172.28	173.83	O	01a		9.1	2.17	186	284	2.7	4.2
Doris	Central	178768	SRK	TDD392	164.68	167.68	O	01a		8.9	0.25	49	62	6.2	8.0
Doris	Central	178774	SRK	98TDD170A	280.60	282.90	O	01a		9.0	0.73	150	310	6.6	13.6

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology		Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
								Primary	Summary (if additional lithologies) (proportion in parentheses)						
Doris	Central	178779	SRK	TDD380	261.00	262.22	O	01a		8.4	9.37	185	245	0.6	0.8
Doris	Central	178780	SRK	TDD380	262.22	263.43	O	01a		8.7	3.39	88	116	0.8	1.1
Doris	Central	178787	SRK	TDD397A	149.77	151.57	O	01a		9.1	0.59	199	397	10.8	21.5
Doris	Central	178788	SRK	TDD390A	208.63	211.00	O	01a		8.7	2.74	173	273	2.0	3.2
Doris	Central	178808	SRK	97TDD138	356.86	358.15	O	01a		8.4	1.75	74	71	1.3	1.3
Doris	Central	DUMV #8	Historic	TDD384	198.22	198.61	O	01a		8.9	6.09	249	320	1.3	1.7
Doris	Central	DUMV #11	Historic	TDD375A	226.37	226.81	O	01a		9.2	1.05	278	363	8.5	11.0
Doris	Central	DUMV #14	Historic	TDD385	247.75	248.15	O	01a		8.9	1.64	281	378	5.5	7.4
Doris	Central	DUMV #17	Historic	TDD383	151.71	151.98	O	01a		8.6	4.5	244	287	1.7	2.0
Doris	Central	DUMV #21	Historic	TDD373	182.82	183.17	O	01a		8.8	3.79	224	353	1.9	3.0
Doris	Central	DUMV #26	Historic	TDD388A	257.17	257.72	O	01a		8.9	2.75	211	281	2.5	3.3
Doris	Connector	TDD318-SRK-WR-341	SRK	TDD318	68.75	69.50	O	01a		8.4	3.1	194	286	2.0	3.0
Doris	Connector	TDD320A-SRK-WR-343	SRK	TDD320A	40.85	42.35	O	01a		9.3	0.91	164	341	5.8	12.0
Doris	Central	08TDD631-SRK-WR-447	SRK	08TDD631	107.50	112.00	O	01a		9.1	0.72	178	313	7.9	13.9
Doris	Central	178810	SRK	97TDD138	366.11	367.20	O	01p		9.1	0.81	44	33	1.8	1.3
Doris	Central	178817	SRK	97TDD131	197.00	200.00	O	01p		8.5	0.28	143	333	16.4	38.1
Doris	Central	178819	SRK	97TDD131	222.44	224.17	O	01p		9.1	0.66	186	368	9.0	17.8
Doris	Central	208896	Newmont	97TDD150	38.00	64.50	W	01a	1a (0.72), 1p (0.28)	8.7	0.494	152	256	9.9	16.6
Doris	North	TDD207-SRK-WR-837	SRK	TDD207	11.20	18.00	W	01a	1a, 12q	8.6	1.78	131	243	2.3	4.4
Doris	North		Historic	96TDM099A	55.62	56.06	W	01a	1a (0.83), 12q (0.17)	9.3	3.16	327	--	3.3	--
Doris	North	208875	Newmont	02TDD544	52.00	78.00	W	01a	1a (0.96), 12q (0.04)	8.6	0.229	152	262	21.2	36.6
Doris	Connector	208879	Newmont	TDD414	100.00	125.00	W	01a	1a (0.96), 12q (0.04)	8.7	0.323	140	307	13.9	30.4
Doris	Central	178806	SRK	97TDD138	306.00	308.88	W	01a	1a (0.97), 12q (0.03)	8.5	0.19	178	248	30.0	41.7
Doris	Central	08TDD631-SRK-WR-434	SRK	08TDD631	27.70	33.50	W	01a	1a (0.85), 12q (0.15)	8.8	1.81	173	288	3.1	5.1
Doris	North	208835	Newmont	02TDD467	81.00	89.92	O	01a	1a (0.65), 12q (0.35)	9.5	0.622	93	67	4.8	3.4
Doris	North	208857	Newmont	02TDD492	26.00	51.00	O	01a	1a (0.91), 12q (0.09)	9.0	0.559	135	293	7.7	16.8
Doris	North	208887	Newmont	02TDD545	57.00	82.00	O	01a	1a (0.94), 12q (0.06)	8.7	0.412	160	267	12.4	20.8
Doris	North	208891	Newmont	02TDD511	53.00	85.20	O	01a	1a (0.73), 12q (0.27)	8.9	0.724	135	301	6.0	13.3
Doris	North	202714	Newmont	02TDD421	74.50	82.30	O	01a	1a (0.59), 12q (0.41)	8.9	0.729	128	258	5.6	11.3
Doris	North	202773	Newmont	02TDD467	62.00	64.14	O	01a	1a (0.77), 12q (0.23)	8.6	1.473	160	254	3.5	5.5
Doris	Connector		Historic	96TDM098	94.08	94.70	O	01a	1a (0.92), 12q (0.08)	8.8	3.36	289	--	2.8	--
Doris	Connector	208881	Newmont	TDD414	150.00	175.00	O	01a	1a (0.61), 12q (0.39)	8.7	1.213	141	322	3.7	8.5
Doris	Central	178712	SRK	TDD382	257.42	259.60	O	01a	1a (0.83), 12q (0.17)	8.7	4.38	209	310	1.5	2.3
Doris	Central	178778	SRK	TDD380	245.70	247.04	O	01a	1a (0.71), 12q (0.29)	8.9	1.54	168	264	3.5	5.5
Doris	Central	202718	Newmont	TDD374	176.00	186.50	O	01a	1a (0.54), 12q (0.46)	8.6	1.081	123	276	3.6	8.2
Doris	Central	202734	Newmont	TDD380	245.00	254.50	O	01a	1a (0.65), 12q (0.35)	8.6	2.594	117	244	1.4	3.0
Doris	Central	178818	SRK	97TDD131	212.82	215.82	O	01p	1p (0.72), 12q (0.28)	8.8	2.06	187	293	2.9	4.5
Doris	North	208872	Newmont	02TDD559	69.00	96.00	W	01a	1a (0.65), 1pv (0.17), 1p (0.16), 12q (0.02)	8.7	0.269	191	240	22.7	28.6
Doris	North	TDD219-SRK-WR-848	SRK	TDD219	41.60	47.38	W	01a	1a, 10a	8.6	1.73	183	311	3.4	5.8
Doris	Central	202747	Newmont	TDD385A	23.00	38.00	W	01a	1a (0.66), 1u (0.23), 2a (0.12)	9.8	0.196	156	111	25.5	18.1
Doris	Connector	208883	Newmont	TDD414	200.00	225.00	W	01a	1a (0.81), 2a (0.19)	8.9	0.341	149	355	14.0	33.3
Doris	Central	178707	SRK	TDD388A	291.02	292.18	O	01a	1a (0.97), 2a (0.03)	8.5	7.22	225	330	1.0	1.5
Doris	Central	202762	Newmont	TDD385A	265.00	280.84	W	01a	1a (0.93), 9n (0.05), 10b (0.02)	8.6	0.678	158	341	7.4	16.1
Doris	North	208874	Newmont	02TDD544	27.00	52.00	W	01a	1a (0.8), 9n (0.2)	8.8	0.124	123	208	31.7	53.7
Doris	Central	202731	Newmont	TDD380	186.00	211.00	W	01a	1a (0.97), 9n (0.03)	8.4	0.13	133	252	32.8	62.1
Doris	Central	202722	Newmont	TDD380	18.10	26.00	W	01a	1a (0.69), 9pf (0.31)	8.1	0.289	145	244	16.1	27.0
Doris	Connector	178830	SRK	TDD329	152.19	153.41	O	01a	1a (0.99), unk (0.01)	9.0	1.22	314	444	8.2	11.6
Doris	Connector	208878	Newmont	TDD414	75.00	100.00	W	01a	1a (0.79), 10a (0.21)	8.7	0.199	125	231	20.1	37.1
Doris	Central	178716	SRK	TDD383	205.17	206.35	W	01a	1a (0.84), 10a (0.16)	8.5	0.38	179	256	15.1	21.6
Doris	Central	202756	Newmont	TDD385A	137.00	155.00	W	01a	1a (0.99), 10a (0.01)	8.4	0.179	141	224	25.3	40.0
Doris	Central	202737	Newmont	TDD380	294.00	319.00	W	01a	1a (0.93), 10a (0.07)	8.4	0.45	120	219	8.5	15.6
Doris	Connector	96TDD067-SRK-WR-330	SRK	96TDD067	111.88	113.63	W	01a	1a (0.71), 10a (0.29)	8.3	0.07	153	193	69.7	88.0
Doris	Connector	TDD307-SRK-WR-546	SRK	TDD307	49.50	57.00	w	01a	1a (0.97), 10a (0.03)	8.9	0.07	247	282	112.7	128.7
Doris	Connector	TDD409-SRK-WR-432	SRK	TDD409	181.15	187.45	W	01u	1u (0.98), 10a (0.02)	8.1	0.12	137	170	36.5	45.3
Doris	Central	202711	Newmont	TDD374	86.00	111.00	W	01a	1a (0.86), 10b (0.07), 12q (0.07)	8.8	1.222	129	237	3.4	6.2
Doris	Central	202755	Newmont	TDD385A	117.00	137.00	W	01a	1a (0.88), 10b (0.06), 12q (0.05)	8.7	0.244	152	278	19.9	36.5
Doris	North		Historic	95TDD057	122.13	127.20	W	01a	1a (0.88), 10b (0.12)	8.5	0.1	131	--	41.9	--
Doris	North	208832	Newmont	02TDD467	6.10	31.00	W	01a	1a (0.99), 10b (0.01)	8.7	0.164	123	219	23.9	42.7
Doris	North		Historic	95TDD057	117.00	126.24	W	01a	1a (0.93), 10b (0.07)	8.5	0.2	202	--	32.3	--
Doris	Central	DUMV #1	Historic	TDD393	172.00	173.00	W	01a	1a (0.84), 10b (0.16)	9.4	0.16	267	329	53.4	65.9
Doris	Central	202759	Newmont	TDD385A	190.00	215.00	W	01a	1a (0.97), 10b (0.03)	8.5	0.195	145	266	23.8	43.7
Doris	Central	202727	Newmont	TDD380	102.00	127.00	W	01a	1a (0.94), 10b (0.06)	8.4	0.254	155	285	19.5	35.9
Doris	Central	202732	Newmont	TDD380	211.00	236.00	W	01a	1a (0.87), 10b (0.13)	8.5	0.512	150	290	9.4	18.1
Doris	Central	08TDD623-SRK-WR-376	SRK	08TDD623	226.50	234.30	W	01a	1a (0.99), 10b (0.01)	8.4	0.76	40	21	1.7	0.9
Doris	Central	202710	Newmont	TDD374	67.60	86.00	W	01a	1a (0.91), 11c (0.09)	8.8	0.459	147	222	10.2	15.5
Doris	Central	202760	Newmont	TDD385A	215.00	240.00	W	01a	1a (0.96), 11c (0.04)	8.4	0.199	141	232	22.7	37.4
Doris	Central	202761	Newmont	TDD385A	240.00	265.00	W	01a	1a (0.97), 11c (0.03)	8.5	0.321	148	304	14.8	30.3
Doris	Connector	96TDD071-SRK-WR-331	SRK	96TDD071	72.00	74.00	W	01a	1a (0.84), 11c (0.16)	8.6	0.15	153	198	32.5	42.3
Doris	Connector	96TDD071-SRK-WR-333	SRK	96TDD071	80.67	89.12	W	01a	1a (0.98), 11c (0.02)	8.2	0.1	143	173	45.6	55.2
Doris	North	202770	Newmont	02TDD467	64.14	82.00	W	01a	1a (0.84), 12q (0.09), 12c (0.05), 10b (0.03)	9.0	0.567	153	202	8.6	11.4
Doris	North	208834	Newmont	02TDD467	56.00	81.00	O	01a	1a (0.86), 12q (0.08), 12c (0.03), 10b (0.02)	8.9	0.537	171	239	10.2	14.3
Doris	North	208888	Newmont	02TDD545	82.00	100.73	W	01a	1a (0.83), 12q (0.12), 10b (0.04)	8.8	0.473	160	217	10.8	14.7
Doris	Central	202735	Newmont	TDD380	254.50	272.00	O	01a	1a (0.51), 12q (0.32), 10a (0.17)	8.5	2.117	119	223	1.8	3.4
Doris	North	208827	Newmont	02TDD506	14.00	39.00	W	01a	1a (0.93), 15c (0.07)	8.6	0.119	130	175	34.9	47.2
Doris	North	208892	Newmont	02TDD421	10.20	35.00	W	01a	1a (0.95), 15c (0.05)	8.5	0.118	113	169	30.6	45.7
Doris	Connector	208884	Newmont	TDD414	225.00	245.97	W	02a		9.1	0.101	196	290	62.1	91.9
Doris	Central	178708	SRK	TDD388A	292.18	294.18	W	02a		8.7	0.16	164	241	32.8	48.3
Doris	Central	202748	Newmont	TDD385A	38.00	39.70	W	02a		9.5	0.06	90	92	48.2	48.8
Doris	Central	08TDD623-SRK-WR-373	SRK	08TDD623	205.30	215.45	W	05aj		9.2	0.04	28	3	22.1	2.7
Doris	Central	178721	SRK	TDD368	185.01	186.32	W	09n		9.3	0.19	234	300	39.4	50.6
Doris	Central	178729	SRK	TDD363	181.30	181.97	W	09n		8.5	1.28	271	337	6.8	8.4
Doris	Central	DUG #2	Historic	TDD390A	241.33	241.70	W	09n		9.0	0.06	118	80	62.8	42.8
Doris	Central	08TDD623-SRK-WR-380	SRK	08TDD623	257.50	259.20	W	09n		8.3	0.14	137	149	31.4	34.1
Doris	Connector	98TDD185A-SRK-WR-418	SRK	98TDD185A	64.12	69.41	W	09n		8.7	0.09	172	225	61.1	80.0
Doris	Central	202725	Newmont	TDD380	15.65	18.10	W	09pf		8.9	0.116	84	94	23.1	26.0
Doris	Central	178710	SRK	TDD382	229.00	232.00	W	09n	9n (0.64), 1a (0.36)	8.5	0.14	157	173	35.9	39.5
Doris	North	HB-214291	Historic	06TDD614	40.00	41.00	W	10a		8.5	0.04	15	3	12.2	2.0
Doris	North	HB-214292	Historic	06TDD614	41.00	42.00	W	10a		8.5	0.01	17	5	54.4	14.5
Doris	North	HB-214293	Historic	06TDD614	42.00	43.00	W	10a		8.3	0.04	11	0	8.7	0.4
Doris	North	HB-214294	Historic	06TDD614	43.00	44.00	W	10a		8.5	0.01	18	3	57.6	10.9
Doris	North	HB-214295	Historic	06TDD614	44.00	45.00	W	10a		8.5	0.03	15	2	15.5	1.7
Doris	North	HB-214296	Historic	06TDD614	45.00	46.00	W	10a		8.7	0.08	16	3	6.3	1.1
Doris	North	HB-214297	Historic	06TDD614	46.00	47.00	W	10a		8.6	0.06	15	2	7.9	1.1
Doris	North	HB-214298	Historic	06TDD614	47.00	48.00	W	10a		8.4	0.07	19	1	8.6	0.3
Doris	North	HB-214299	Historic	06TDD614	48.00	49.00	W	10a		8.1	0.1	15	0	4.8	0.1
Doris	North	HB-214300	Historic	06TDD614	49.00	49.26	W	10a		8.3	0.05	16	1	10.2	0.4
Doris	North	HB-214501	Historic	06TDD614	49.26	49.46	W	10a		7.9	0.73	17	0	0.7	0.0
Doris	North	HB-214502	Historic	06TDD614	49.46	50.00	W	10a		8.1	0.25	15	0	1.9	0.1
Doris	North	HB-214503	Historic	06TDD614	50.00	51.00	W	10a		8.2	0.08	19	0	7.6	0.1
Doris	North	HB-214504	Historic	06TDD614	51.00	52.00	W	10a		8.2	0.04	18	0	14.2	0.2
Doris	North	HB-214505	Historic	06TDD614	52.00	53.00	W	10a		8.5	0.02	18	0	28.8	0.4
Doris	North	HB-214506	Historic	06TDD614	53.00	53.63	W	10a		8.4	0.1	16	2	5.0	0.6
Doris	North	HB-214507	Historic	06TDD614	53.63	54.07	W	10a		8.2	0.12	14	0	3.6	0.1
Doris	North	HB-214508	Historic	06TDD614	54.07	54.37	W	10a		8.2	0.26	16	0	1.9	0.0
Doris	North	HB-214509	Historic	06TDD614	54.37	54.63	W	10a		8.4	0.08	17	0	6.8	0.1
Doris	North	HB-214510	Historic	06TDD614	54.63	54.78	W	10a		8.3	0.29	19	0	2.1	0.1
Doris	North	HB-214511	Historic	06TDD614	54.78	55.29	W	10a		8.3	0.64	17	0	0.8	0.0
Doris	North	HB-214512	Historic	06TDD614	55.29	55.53	W	10a		8.5	0.01	19	2	60.0	5.8
Doris	North	HB-214513	Historic	06TDD614	55.53	56.00	W	10a		7.9	0.2	16	0	2.6	0.1
Doris	North	HB-214514	Historic	06TDD614	56.00	57.00	W	10a		8.4	0.09	17	3	6.1	1.2
Doris	North	HB-214515	Historic	06TDD614	57.00	58.00	W	10a		8.4	0.02	16	1	25.2	2.2
Doris	North	HB-214516	Historic	06TDD614	58.00	59.00	W	10a		8.4	0.01	18	2	56.0	5.8
Doris	North	HB-214517	Historic	06TDD614	59.00	60.00	W	10a		8.8	0.02	19	4	30.6	5.8
Doris	North	HB-214518	Historic	06TDD614	60.00	61.00	W	10a		8.7	0.04	18	0	14.4	0.2
Doris	North	HB-214519	Historic	06TDD614	61.00	62.00	W	10a		9.1	0.08	17	0	7.0	0.1
Doris	North	HB-214520	Historic	06TDD614	62.00	63.00	W	10a		9.2	0.02	19	0	30.8	0.4
Doris	North	HB-214521	Historic	06TDD614	63.00	64.00	W	10a		9.0	0.07	19	3	8.6	1.2
Doris	North	HB-214522	Historic	06TDD614	64.00	65.00	W	10a		9.1	0.09	19	0	6.8	0.2
Doris	North	HB-214523	Historic	06TDD614	65.00	66.00	W	10a		9.1	0.03	16	1	16.9	0.7
Doris	North	HB-214524	Historic	06TDD614	66.00	67.00	W	10a		9.0	0.07	18	0	8.2	0.1
Doris	North	HB-214525	Historic	06TDD614	67.00	68.00	W	10a		9.3	0.04	16	0	12.6	0.2
Doris	North		Historic	95TDD065	398.75	399.23	W	10a		9.3	0.07	60	--	27.4	--
Doris	North		Historic	95TDD065	405.62	406.22	W	10a		9.4	0.03	31	--	33.1	--
Doris	North		Historic	96TDM115	17.64	17.97	W	10a		9.8	0.1	68	--	21.8	--

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies) (proportion in parentheses)	Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
Doris	North		Historic	96TDM115	24.97	25.28	W	10a		9.7	0.1	51	--	16.3	--
Doris	North		Historic	96TDM115	25.28	25.55	W	10a		9.8	0.15	108	--	23.0	--
Doris	North	DOP #22	Historic	TDD277	61.58	61.90	W	10a		9.1	0.13	172	140	42.3	34.5
Doris	Central	178740	SRK	TDD376	259.12	260.34	W	10a		9.0	0.17	178	236	33.4	44.5
Doris	Central	178814	SRK	97TDD131	169.13	171.61	W	10a		9.0	1.19	246	418	6.6	11.2
Doris	Central	178815	SRK	97TDD131	171.61	174.00	W	10a		8.8	0.17	177	242	33.3	45.5
Doris	Central	178816	SRK	97TDD131	174.00	177.00	W	10a		9.1	0.02	58	52	93.0	82.5
Doris	Central	DUG #3	Historic	TDD380	282.86	283.05	W	10a		9.3	0.11	226	253	65.6	73.5
Doris	Central	DUG #4	Historic	TDD384	222.48	222.82	W	10a		9.1	0.03	27	18	28.5	19.2
Doris	Central	DUG #5	Historic	TDD375A	255.56	255.84	W	10a		9.1	0.08	42	31	16.8	12.3
Doris	Central	DUG #6	Historic	TDD383	199.32	199.69	W	10a		8.3	1.85	78	130	1.3	2.2
Doris	Central	DUG #7	Historic	TDD387	224.79	225.06	W	10a		9.0	0.1	46	36	14.7	11.5
Doris	Central	DUMV #6	Historic	TDD380	279.49	279.81	W	10a		9.1	0.17	28	20	5.3	3.7
Doris	Central	DUMV #18	Historic	TDD387	64.86	65.26	W	10a		9.2	0.13	76	23	18.8	5.7
Doris	Central	202736	Newmont	TDD380	272.00	294.00	W	10a		8.3	0.359	110	135	9.8	12.0
Doris	Connector	95TDD004-SRK-318	SRK	95TDD004	29.42	36.00	W	10a		8.6	0.03	137	131	146.0	139.6
Doris	Connector	95TDD004-SRK-319	SRK	95TDD004	36.00	40.50	W	10a		9.3	0.04	261	342	209.0	273.3
Doris	Connector	96TDD067-SRK-WR-329	SRK	96TDD067	104.90	111.88	W	10a		8.5	0.03	74	84	78.7	89.8
Doris	Connector	TDD409-SRK-WR-427	SRK	TDD409	142.95	148.40	W	10a		9.4	0.11	288	373	83.9	108.6
Doris	Connector	TDD409-SRK-WR-430	SRK	TDD409	154.30	158.80	W	10a		8.7	0.06	201	251	107.1	133.8
Doris	Connector	TDD409-SRK-WR-431	SRK	TDD409	161.33	168.00	W	10a		8.9	0.13	294	364	72.5	89.6
Doris	Connector	TDD307-SRK-WR-547	SRK	TDD307	57.00	66.56	w	10a		8.8	0.03	193	221	205.8	235.6
Doris	Central	178715	SRK	TDD383	191.02	192.02	O	10a		8.2	4.15	98	91	0.8	0.7
Doris	North	TDD219-SRK-WR-846	SRK	TDD219	24.00	32.00	W	10a	10, 1a, 12q	8.9	0.43	133	264	9.9	19.6
Doris	North	TDD219-SRK-WR-847	SRK	TDD219	36.00	41.60	W	10a	10a, 12q	8.8	1.09	160	296	4.7	8.7
Doris	Central	202757	Newmont	TDD385A	155.00	179.00	W	10a	10a (0.96), 10b (0.04)	9.2	0.147	168	25	36.7	5.4
Doris	Central	202764	Newmont	TDD385A	294.00	307.20	W	10a	10a (0.91), 2a (0.09)	8.7	0.149	107	39	22.9	8.5
Doris	Central	178741	SRK	TDD376	264.62	266.50	W	10a	10a (0.85), 1a (0.15)	9.2	0.4	120	293	9.6	23.4
Doris	Central	202750	Newmont	TDD385A	45.00	72.00	W	10a	10a (0.99), 1a (0.01)	9.4	0.121	126	21	33.4	5.5
Doris	Central	202758	Newmont	TDD385A	179.00	190.00	W	10a	10a (0.82), 1a (0.18)	9.0	0.206	159	88	24.6	13.7
Doris	Central	202723	Newmont	TDD380	26.00	52.70	W	10a	10a (0.97), 1a (0.03)	9.7	0.094	113	26	38.5	8.7
Doris	Central	202729	Newmont	TDD380	136.80	161.00	W	10a	10a (0.92), 1a (0.08)	9.0	0.147	153	49	33.4	10.6
Doris	Connector	95TDD004-SRK-320	SRK	95TDD004	40.50	45.00	W	10a	10a (0.91), 1a (0.09)	9.3	0.06	204	264	108.7	140.9
Doris	Connector	95TDD007-SRK-324	SRK	95TDD007	91.50	94.50	W	10a	10a (0.43), 1a (0.33), 10b (0.23)	9.1	0.07	46	38	21.1	17.5
Doris	Connector	96TDD067-SRK-WR-328	SRK	96TDD067	103.38	104.90	W	10a	10a (0.57), 1a (0.43)	8.7	0.06	109	104	58.0	55.6
Doris	Connector	TDD409-SRK-WR-425	SRK	TDD409	76.50	81.30	W	10a	10a (0.97), 1a (0.03)	8.5	0.06	141	178	75.0	94.7
Doris	Central	178704	SRK	TDD388A	172.57	174.40	W	10b		9.7	0.14	83	87	19.0	19.9
Doris	Central	08TDD623-SRK-WR-377	SRK	08TDD623	234.30	235.30	W	10b		9.3	0.1	27	3	8.8	1.1
Doris	North	02TDD565-SRK-WR-678	SRK	02TDD565	39.43	40.45	W	10b		8.4	0.15	142	199	30.4	42.4
Doris	Central	178739	SRK	TDD376	258.16	259.12	O	10b	10b (0.45), 10a (0.31), 12q (0.21), 1a (0.03)	8.8	1.65	117	138	2.3	2.7
Doris	Connector	95TDD007-SRK-323	SRK	95TDD007	85.50	91.50	W	10b	10b (0.75), 1a (0.25)	9.1	0.07	95	118	43.4	53.7
Doris	North	HB-214526	Historic	06TDD615	25.00	26.00	W	11c		9.7	0.02	12	2	19.4	3.6
Doris	North	HB-214527	Historic	06TDD615	26.00	27.00	W	11c		9.6	0.02	12	1	18.8	2.2
Doris	North	HB-214528	Historic	06TDD615	27.00	28.00	W	11c		9.7	0.02	12	0	19.2	0.7
Doris	North	HB-214529	Historic	06TDD615	28.00	29.00	W	11c		9.7	0.02	12	1	19.6	1.8
Doris	North	HB-214530	Historic	06TDD615	29.00	30.00	W	11c		9.7	0.02	15	3	24.0	4.0
Doris	North	HB-214531	Historic	06TDD615	30.00	31.00	W	11c		9.8	0.03	11	2	12.1	1.7
Doris	North	HB-214532	Historic	06TDD615	31.00	32.00	W	11c		9.5	0.03	13	2	14.1	1.9
Doris	North	HB-214533	Historic	06TDD615	32.00	33.00	W	11c		9.3	0.03	12	2	12.8	2.2
Doris	North	HB-214534	Historic	06TDD615	33.00	34.00	W	11c		9.3	0.04	18	2	14.5	1.5
Doris	North	HB-214535	Historic	06TDD615	34.00	35.00	W	11c		9.5	0.05	12	3	7.5	1.6
Doris	North	HB-214536	Historic	06TDD615	35.00	36.00	W	11c		9.4	0.06	11	3	5.7	1.7
Doris	North	HB-214537	Historic	06TDD615	36.00	37.00	W	11c		9.3	0.05	18	3	11.8	1.7
Doris	North	HB-214538	Historic	06TDD615	37.00	38.00	W	11c		9.5	0.05	13	5	8.5	3.2
Doris	North	HB-214539	Historic	06TDD615	38.00	39.00	W	11c		9.6	0.04	16	3	12.6	2.2
Doris	North	HB-214540	Historic	06TDD615	39.00	40.00	W	11c		9.4	0.03	11	2	12.0	2.4
Doris	North	HB-214541	Historic	06TDD615	40.00	41.00	W	11c		9.5	0.02	17	2	27.2	2.9
Doris	North	HB-214542	Historic	06TDD615	41.00	42.00	W	11c		9.6	0.03	14	2	14.7	2.2
Doris	North	HB-214543	Historic	06TDD615	42.00	43.00	W	11c		9.5	0.03	12	2	12.9	2.2
Doris	North	HB-214544	Historic	06TDD615	43.00	44.00	W	11c		9.9	0.02	12	1	19.6	2.2
Doris	North	HB-214545	Historic	06TDD615	44.00	45.00	W	11c		9.8	0.02	17	1	26.8	1.1
Doris	North	HB-214546	Historic	06TDD615	45.00	46.00	W	11c		9.8	0.03	13	1	13.7	1.2
Doris	North	HB-214547	Historic	06TDD615	46.00	47.00	W	11c		9.9	0.02	13	0	20.0	0.7
Doris	North	HB-214548	Historic	06TDD615	47.00	48.00	W	11c		9.8	0.02	8	1	13.2	1.1
Doris	North	HB-214549	Historic	06TDD615	48.00	49.00	W	11c		10.0	0.02	16	1	25.8	1.1
Doris	North	HB-214550	Historic	06TDD615	49.00	50.00	W	11c		9.8	0.02	11	1	17.6	1.5
Doris	North	HB-214551	Historic	06TDD615	50.00	51.00	W	11c		9.7	0.02	13	0	20.8	0.4
Doris	North	HB-214552	Historic	06TDD615	51.00	52.00	W	11c		9.8	0.02	10	0	16.4	0.4
Doris	North	HB-214553	Historic	06TDD615	52.00	53.00	W	11c		10.1	0.02	11	0	17.2	0.4
Doris	North	HB-214554	Historic	06TDD615	53.00	54.00	W	11c		10.1	0.02	10	0	15.8	0.4
Doris	North	HB-214555	Historic	06TDD615	54.00	55.00	W	11c		9.7	0.03	14	0	14.7	0.2
Doris	North		Historic	02TDD547	--	--	W	11c		8.1	0.03	17	1	17.6	1.5
Doris	Central	202708	Newmont	TDD374	11.63	36.00	W	11c		9.5	0.133	130	8	31.2	2.0
Doris	Central	202709.00	Newmont	TDD374	36.00	61.00	W	11c		9.4	0.129	133	3	32.9	0.6
Doris	Central	202713	Newmont	TDD374	61.00	67.60	W	11c		9.5	0.106	108	15	32.5	4.6
Doris	Connector	96TDD071-SRK-WR-332	SRK	96TDD071	74.00	80.67	W	11c		8.5	0.06	138	178	73.3	94.7
Doris	Central	1056308	SRK	SRK-GC-10-P3	0.00	1.00	W	11c	11c	10.0	0.02	16	2	26.1	3.6
Doris	Central	1056309	SRK	SRK-GC-10-P4	0.00	1.00	W	11c	11c	9.6	0.03	18	5	19.6	5.1
Doris	North	08TDD632-SRK-WR-683	SRK	08TDD632	188.57	193.00	W	11cm		9.0	0.02	13	2	20.9	4.0
Doris	North	08TDD632-SRK-WR-684	SRK	08TDD632	260.50	265.00	W	11cm		8.9	0.02	15	0	23.5	0.7
Doris	Central	08TDD623-SRK-WR-372	SRK	08TDD623	200.80	205.30	W	11cm		9.4	0.05	25	1	15.8	0.5
Doris	Central	08TDD623-SRK-WR-387	SRK	08TDD623	303.60	309.50	W	11cm		9.3	0.05	15	1	9.7	0.5
Doris	North	208831.00	Newmont	02TDD506	114.00	125.08	W	11c	11c (0.67), 1a (0.33)	9.8	0.045	172	23	122.0	16.5
Doris	North	DOP #1	Historic	TDD259	133.35	134.41	W	12q		8.3	0.02	6	5	9.6	8.4
Doris	North	5085	Historic	TDD260	99.75	100.71	W	12q		8.3	0.09	8	10	2.8	3.4
Doris	North	DOP #4	Historic	TDD260	95.42	96.04	W	12q		8.0	0.02	13	15	20.0	24.0
Doris	North	DOP #7	Historic	TDD258	11.28	11.77	W	12q		8.4	0.02	3	1	4.3	1.8
Doris	North	DOP #10	Historic	TDD203	108.81	109.40	W	12q		8.5	0.08	18	20	7.2	8.1
Doris	North	7445	Historic	TDD209	31.62	33.00	W	12q		8.0	0.02	1	1	2.1	1.8
Doris	North	8482	Historic	TDD236	82.00	83.00	W	12q		8.4	0.08	3	2	1.0	0.9
Doris	North	7901	Historic	TDD277	78.84	79.65	W	12q		8.3	0.02	12	12	19.7	18.9
Doris	North	7902	Historic	TDD277	79.65	80.27	W	12q		8.1	2.38	15	15	0.2	0.2
Doris	North	7903	Historic	TDD277	80.27	81.04	W	12q		8.3	2.97	36	41	0.4	0.4
Doris	North		Historic	96TDM099A	56.06	56.65	W	12q		8.8	1.22	63	--	1.7	--
Doris	North		Historic	96TDM104	20.20	20.72	W	12q		8.4	0.06	14	--	7.5	--
Doris	North		Historic	96TDM099A	23.47	23.97	W	12q		8.8	0.48	47	--	3.1	--
Doris	Central	178711	SRK	TDD382	255.72	257.42	W	12q		8.6	0.25	29	37	3.8	4.7
Doris	Central	178719	SRK	TDD368	175.00	178.00	W	12q		8.5	0.09	3	3	1.0	1.2
Doris	Central	178720	SRK	TDD368	184.00	185.01	W	12q		8.0	0.02	2	2	3.2	3.6
Doris	Central	178807	SRK	97TDD138	308.88	310.30	W	12q		9.0	0.46	202	305	14.0	21.2
Doris	Central	8372	Historic	TDD393	165.17	166.00	W	12q		8.2	0.03	4	5	3.7	5.1
Doris	Central	DUQ #10	Historic	TDD382	255.12	255.72	W	12q		8.3	0.07	6	7	2.7	3.1
Doris	Central	DUQ #14	Historic	TDD383	162.80	163.19	W	12q		8.3	0.95	21	24	0.7	0.8
Doris	Central	DUQ #15	Historic	TDD383	153.20	153.72	W	12q		8.3	0.08	17	20	6.7	8.0
Doris	Central	9630	Historic	TDD387	196.65	197.00	W	12q		8.4	0.16	9	12	1.8	2.4
Doris	Central	9713	Historic	TDD388A	273.01	273.66	W	12q		8.4	0.03	4	4	4.6	4.1
Doris	Central	08TDD628-SRK-WR-304	SRK	08TDD628	41.56	42.00	W	12q		8.2	9.11	173	240	0.6	0.8
Doris	Central	08TDD628-SRK-WR-307	SRK	08TDD628	59.00	62.00	W	12q		8.9	1.44	198	352	4.4	7.8
Doris	Central	08TDD631-SRK-WR-433	SRK	08TDD631	27.08	27.70	W	12q		8.8	1.91	199	248	3.3	4.1
Doris	Central	08TDD631-SRK-WR-442	SRK	08TDD631	71.80	72.14	W	12q		8.3	0.93	21	22	0.7	0.8
Doris	North		Historic	96TDM102	13.56	14.09	O	12q		9.2	2.61	308	--	3.8	--
Doris	North	27	Historic	TDD212	72.24	73.24	O	12q		8.6	1.5	133	151	2.8	3.2
Doris	North	34	Historic	TDD216A	165.53	166.53	O	12q		8.1	1.18	34	28	0.9	0.7
Doris	North	25	Historic	TDD225	48.77	49.80	O	12q		8.6	0.27	27	23	3.2	2.7
Doris	North	24	Historic	TDD230	73.74	74.74	O	12q		8.7	0.75	59	59	2.5	2.5
Doris	North	5	Historic	TDD238	73.00	74.00	O	12q		8.5	0.16	261	279	52.1	55.7
Doris	North	7692	Historic	TDD210	47.00	48.00	O	12q		8.3	1.4	22	30	0.5	0.7
Doris	North	6007	Historic	TDD212	79.08	79.85	O	12q		8.4	0.07	5	5	2.3	2.5
Doris	North	8486	Historic	TDD236	86.00	86.85	O	12q		8.7	0.63	24	30	1.2	1.5
Doris	North	7627	Historic	TDD222	53.00	54.00	O	12q		8.2	0.38	5	7	0.4	0.6
Doris	North	7629	Historic	TDD222	55.00	55.82	O	12q		8.1	0.02	4	4	6.9	6.2
Doris	North		Historic	96TDM101	33.73	34.35	O	12q		8.5	0.51	13	--	0.8	--
Doris	North		Historic	96TDM101	43.57	44.17	O	12q		8.8	0.75	76	--	3.2	--
Doris	North		Historic	96TDM113	57.10	57.65	O	12q		8.6	1.86	65	--	1.1	--

Appendix G: ABA Data Used for ARD Classifications - Doris Samples

Deposit	Zone	Sample ID	Sample Set	Drill Hole	Depth From m	Depth To m	Economic Classification	Lithology Primary	Lithology Summary (if additional lithologies) (proportion in parentheses)	Paste pH	Total Sulphur %S	NP kgCaCO3/t	TIC kgCaCO3/t	NP/AP	TIC/AP
Doris	North		Historic	96TDM100	76.97	77.57	O	12q		8.0	0.34	6	--	0.6	--
Doris	North		Historic	96TDM102	46.93	47.40	O	12q		7.4	0.36	1	--	0.1	--
Doris	North		Historic	96TDM113	55.50	56.07	O	12q		8.5	0.08	7	--	2.8	--
Doris	North		Historic	96TDM100	44.63	45.20	O	12q		8.3	0.19	1	--	0.2	--
Doris	North		Historic	96TDM102	17.59	18.37	O	12q		8.9	0.62	108	--	5.6	--
Doris	North		Historic	96TDM102	18.45	19.03	O	12q		8.7	0.4	35	--	2.8	--
Doris	Connector	178836	SRK	96TDD069	213.56	216.56	O	12q		8.5	0.39	10	8	0.8	0.7
Doris	Connector		Historic	96TDM097	74.55	75.00	O	12q		8.0	1.14	8	--	0.2	--
Doris	Connector		Historic	96TDM097	75.70	76.38	O	12q		8.2	0.31	7	--	0.7	--
Doris	Connector		Historic	96TDM097	77.23	77.91	O	12q		8.5	1.57	47	--	1.0	--
Doris	Connector		Historic	96TDM097	74.00	74.60	O	12q		8.6	0.05	20	--	12.8	--
Doris	Connector		Historic	96TDM098	98.38	99.00	O	12q		8.1	0.16	6	--	1.2	--
Doris	Connector		Historic	96TDM098	51.94	52.47	O	12q		8.7	0.46	55	--	3.8	--
Doris	Connector		Historic	96TDM099	26.75	27.55	O	12q		8.5	0.31	37	--	3.8	--
Doris	Connector		Historic	96TDM099	32.20	32.70	O	12q		8.4	4.08	92	--	0.7	--
Doris	Connector		Historic	96TDM099	47.55	48.11	O	12q		8.3	1.25	15	--	0.4	--
Doris	Connector		Historic	96TDM099	48.84	49.50	O	12q		8.2	1.03	6	--	0.2	--
Doris	Central	178717	SRK	TDD368	145.25	146.61	O	12q		8.7	3.01	119	167	1.3	1.8
Doris	Central	178722	SRK	TDD368	186.32	188.00	O	12q		8.8	1.79	173	230	3.1	4.1
Doris	Central	178726	SRK	TDD363	153.85	155.96	O	12q		8.8	0.61	20	28	1.1	1.5
Doris	Central	178728	SRK	TDD363	179.30	181.30	O	12q		8.7	0.54	31	40	1.8	2.4
Doris	Central	178769	SRK	TDD392	214.58	216.68	O	12q		9.0	1.69	173	302	3.3	5.7
Doris	Central	178793	SRK	97TDD128	268.98	271.89	O	12q		8.9	1.95	275	362	4.5	5.9
Doris	Central	178828	SRK	97TDD135	278.18	281.57	O	12q		8.8	0.02	4	4	6.5	6.5
Doris	Central	DUQ #1	Historic	TDD375	202.00	203.00	O	12q		8.8	1.87	68	93	1.2	1.6
Doris	Central	DUQ #2	Historic	TDD399	243.78	244.55	O	12q		8.6	0.12	13	15	3.5	4.1
Doris	Central	DUQ #4	Historic	TDD380	258.84	259.47	O	12q		7.9	0.02	4	2	5.6	3.6
Doris	Central	7070	Historic	TDD380	254.48	255.33	O	12q		8.5	4.53	199	217	1.4	1.5
Doris	Central	DUQ #6	Historic	TDD392	212.45	212.70	O	12q		8.5	0.02	2	2	3.5	3.6
Doris	Central	9359	Historic	TDD392	215.98	216.68	O	12q		8.5	1.6	63	74	1.3	1.5
Doris	Central	DUQ #8	Historic	TDD385	237.87	238.48	O	12q		8.7	2.28	84	105	1.2	1.5
Doris	Central	7503	Historic	TDD385	238.88	239.88	O	12q		8.2	0.04	5	5	3.8	4.4
Doris	Central	5885	Historic	TDD370	239.88	240.79	O	12q		8.3	2.19	43	49	0.6	0.7
Doris	Central	6624	Historic	TDD368	167.00	168.08	O	12q		8.2	0.02	3	2	4.0	2.5
Doris	Central	6633	Historic	TDD368	173.00	174.03	O	12q		8.4	1.14	103	116	2.9	3.3
Doris	Central	9737	Historic	TDD388A	290.25	291.02	O	12q		8.0	5.99	89	97	0.5	0.5
Doris	Central	6197	Historic	TDD363	178.92	179.20	O	12q		8.4	0.14	10	13	2.4	2.9
Doris	Central	08TDD631-SRK-WR-435	SRK	08TDD631	33.50	37.30	O	12q		8.3	6.02	120	157	0.6	0.8
Doris	Central	202763	Newmont	TDD385A	280.84	294.00	O	12q	12q (0.69), 2a (0.13), 1a (0.1), 9n (0.07)	8.4	2.973	123	256	1.3	2.8
Doris	North	28	Historic	TDD241	77.00	77.85	W	12q	12q (0.91), 1a (0.09)	8.8	5.37	406	459	2.4	2.7
Doris	North	202719	Newmont	02TDD421	64.75	74.50	W	12q	12q (0.62), 1a (0.38)	8.6	1.802	94	194	1.7	3.4
Doris	Central	178760	SRK	TDD386	232.64	234.24	W	12q	12q (0.99), 1a (0.01)	9.0	0.43	36	48	2.7	3.6
Doris	North		Historic	96TDM104	21.36	22.06	O	12q	12q (0.94), 1a (0.06)	8.5	0.06	13	--	6.9	--
Doris	North	202767	Newmont	02TDD422	51.00	56.50	O	12q	12q (0.82), 1a (0.18)	8.5	0.198	33	71	5.3	11.4
Doris	Central	178750	SRK	TDD394A	171.11	172.72	O	12q	12q (0.73), 1a (0.27)	9.1	0.63	149	204	7.6	10.4
Doris	Central	178789	SRK	TDD391	161.70	162.80	O	12q	12q (0.94), 1a (0.06)	8.8	1.48	94	126	2.0	2.7
Doris	Central	178809	SRK	97TDD138	364.05	366.11	O	12q	12q (0.76), 1a (0.18), 1p (0.06)	8.7	1.37	57	48	1.3	1.1
Doris	Central	9634	Historic	TDD387	198.48	199.23	O	12q	12q (0.93), 1a (0.07)	8.7	2.35	61	76	0.8	1.0
Doris	Central	08TDD631-SRK-WR-444	SRK	08TDD631	75.00	86.50	O	12q	12q (0.79), 1a (0.21)	8.4	2.29	81	134	1.1	1.9

Appendix H: Statistical Analysis of Solid-Phase Elemental Data by Lithology – Doris Central Deposit

Appendix H: Statistcal Analysis of Solid-Phase Elemental Data by Lithology, Doris Deposit

Lithology	Statistical Summary	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Be	Sn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Mafic to Ultramafic Volcanics (1, 1a, 1p, 1ay and 1u)	count	325	325	325	325	325	325	325	325	325	325	282	282	282	325	325	325	282	325	325	282	282	325	325	325	325	282	325	325	325	282	282	282	325	110	282	316	127	45	45
	P00	0.1	12.2	0.2	16	0.1	0.4	14.4	490	2.61	0.1	0.1	0.002	0.1	7	0.01	0.02	0.02	2	0.55	0.007	0.5	2	0.72	1	0.001	1	0.12	0.007	0.01	0.1	1	2.7	0.02	0.1	0.4	0.1	0.02	2	2
	P10	0.2	25.068	0.5	49.62	0.1	0.9	25.6	1246.4	6.648	0.9	0.1	0.5	0.1	21	0.1	0.04	0.02	9	2.412	0.0331	1	8.94	1.34	2	0.001	2	0.25	0.014	0.01	0.1	1	7.2	0.02	0.1	1	0.3	0.02	2	2
	P25	0.5	29.83	0.76	70.9	0.1	1.8	28	1657	8.7	1.9	0.1	0.8	0.2	30.5	0.1	0.1	0.0625	17	4.39	0.08	1.125	13.8	1.47	4.8	0.001	20	0.71	0.023	0.04	0.1	1	9.2	0.02	0.1	2	0.5	0.02	2	2
	P50	1.07	35.3	1.34	108	0.2	2.7	30.9	1952	9.54	9	0.1	3.8	0.3	42	0.1	0.1	0.1	53	5.24	0.088	2.4	23	1.6	9	0.004	20	2.25	0.041	0.06	0.1	1	11.55	0.1	0.2	8	0.5	0.03	2	2
	P75	2	54.2	4.7	133	22	5	36.3	2207	10.39	27	0.1	30.975	0.4	59	0.2	0.13	0.1	82	6.05	0.094	3.375	37.6	1.96	17	0.0847	20	3.27	0.091	0.11	0.1	10	14.8	0.1	0.3275	14	0.8	0.185	2	2
	P90	2.296	89.3	10	149.6	100	74.76	44.12	2356.2	11.073	57	0.1	293.2	0.6	77	3	39	0.229	105.2	7.814	0.1019	5	69.52	2.602	76.6	0.2216	20	5.5737	1.0155	0.6154	0.3	10	20.06	20	0.996	16	10.5	0.2	2	2
	P100	12.75	449.6	283.8	1438	3728	161.9	121.7	3167	14.2	338	1	7550.6	1.6	159	8	76	1.51	303	9.34	0.129	8	226	4.2678	1334	0.7413	32	6.9553	2.8497	1.6208	8	1000	26.8	25	8.26	19	83	1.67	2	2
Mafic Volcanics Mixed Exclusively with Quartz Vein (12q)	count	21	21	21	21	21	21	21	21	21	21	8	8	8	21	21	21	8	21	21	8	8	21	21	21	21	8	21	21	21	8	8	8	21	4	8	21	5	15	15
	P00	0.4	27	1.6	2	0.1	2	21.7	1277	5.4046	1.4	0.1	3	0.1	27	0.1	0.08	0.02	5	3.7172	0.057	0.7	15	1.18	4.8	0.001	20	0.16	0.024	0.02	0.1	1	6	0.02	0.3	0.5	0.3	0.02	2	2
	P10	1.4	37.69	2.21	36	0.2	2.3	26.8	1435	6.54	12.4	0.1	46.68	0.1	29.4	0.16	0.09	0.069	7	4.4	0.0619	0.7	28	1.31	5.2	0.001	20	0.27	0.029	0.04	0.1	1	6.63	0.02	0.723	0.64	0.7	0.028	2	2
	P25	2	40.39	2.9	66	0.5	3.1	31.9	1586	6.89	30	0.1	76.275	0.175	36	0.2	0.1	0.0975	19	4.9019	0.067	0.85	41	1.4064	10	0.002	20	0.73	0.05	0.06	0.1	1	7.275	0.1	1.3575	0.925	1.2	0.04	2	2
	P50	2	66	10	81	2	18.4	35	1814	7.862	40	0.1	741.9	0.2	71	2	27	0.13	90	5.58	0.0745	1	46	1.5981	62	0.041	20	4.4892	0.7821	0.6454	0.1	5.5	7.95	20	1.71	1.75	7	0.1	2	2
	P75	2	85	10	109	2	48	40	1996	9.4542	50.9	0.1	2620.2	0.225	83	4	49	0.2	127	6.1153	0.082	1.475	82	1.78	119	0.1156	20	5.3951	1.0797	0.7571	0.125	10	10	20	1.83	3.75	14	0.2	2	2
	P90	2.95	92.53	10	212	335	74	45	2140	9.9123	55	0.1	6128.4	0.3	91	5	55	0.233	181	6.3928	0.0898	3.53	113	2.2555	127	0.1979	23.6	5.5778	1.204	1.0108	0.23	10	15.37	20	2.046	10.2	17	0.638	2	2
	P100	5.68	117	10	880	3240	83	52	2415	10.64	81	0.1	9792.2	0.3	122	6	67	0.31	214	6.8283	0.094	5	160	2.329	356	0.4395	32	6.4394	1.5135	1.5798	0.3	10	19.5	20	2.19	13	78	0.93	2	2
Other Mixed Mafic Volcanics	count	31	31	31	31	31	31	31	31	31	31	10	10	10	31	31	31	10	31	31	10	10	31	31	31	31	10	31	31	31	10	10	10	31	7	10	31	4	21	21
	P00	0.1	23.5	0.4	42	0.1	1.6	25.5	736	5.32	0.7	0.1	0.5	0.1	13	0.1	0.1	0.07	7	1.71	0.016	0.5	12	1.41	1	0.001	20	0.14	0.015	0.01	0.1	1	8.7	0.02	0.06	0.3	0.5	0.06	2	2
	P10	0.3	26	1	80	0.1	2.5	29.4	1617	8.5497	3.9	0.1	0.5	0.1	34	0.1	0.1	0.097	47	4.7871	0.0169	0.95	15	1.6156	6	0.003	20	2.66	0.022	0.05	0.1	1	9.69	0.1	0.078	1.56	0.5	0.132	2	2
	P25	1.78	32	7.425	108.5	0.4	4	36.5	1915	9.4748	22.5	0.1	3.45	0.1	60	0.175	0.125	0.1	83	5.1039	0.032	1	19.45	1.855	10.5	0.0095	20	3.59	0.041	0.085	0.1	10	10.6	0.1	0.095	6	1.05	0.24	2	2
	P50	2	40	10	132	2	7	41	2094	10.417	37	0.1	25.3	0.2	87	4	44	0.1	105	5.65	0.087	1.95	29	1.99	47	0.1094	20	5.749	1.0024	0.6824	0.1	10	13.7	12	0.13	9.5	19	0.3	2	2
	P75	2	64	10	145.5	2	22.5	45.05	2239.5	10.951	50.25	0.1	156.85	0.275	102.5	6	62.5	0.175	123	5.997	0.0935	3	39	2.1761	145	0.176	20	6.1836	1.397	0.786	0.1	10	16.325	20	0.485	14.15	30	0.39	2	2
	P90	2	91.1	10	151	37	62	49.1	2434	11.207	77	0.1	303.97	0.42	125	7	71	0.59	187	6.3039	0.0985	4	57	2.58	168	0.2197	22	6.519	1.8345	1.1158	0.21	20	17.37	20	1.12	15.1	43	0.552	2	2
	P100	3.71	536.96	463.17	5317.1	2419	172.9	63	2612	12.17	130.9	0.1	1061.5	0.6	136	24.87	75	0.95	297	8.67	0.13	4	142	4.59	280	0.5828	31	6.7159	2.0878	2.4051	0.3	110	20.7	29	1.6	16	57	0.66	2	2
Intermediate Volcanics (2a)	count	3	3	3	3	3	3	3	3	3	3	1	1	1	3	3	3	1	3	3	1	1	3	3	3	3	1	3	3	3	1	1	1	3	0	1	3	1	2	2
	P00	1.55	28	2.69	43	2	1	19	569	3.2902	9.4	0.1	3.8	0.3	34.4	0.08	0.26	0.03	47	3.6127	0.083	4.2	18.5	1.2002	2	0.017	20	2.53	0.022	0.02	0.1	1	16	0.02	--	10.7	0.3	0.02	2	2
	P10	1.64	28.074	4.152	49.2	2	7.8	20.78	717.6	4.0107	14.72	0.1	3.8	0.3	39.52	0.464	11.808	0.03	53.2	3.9222	0.083	4.2	22.2	1.2362	2.04	0.0189	20	3.2526	0.235	0.0541	0.1	1	16	0.216	--	10.7	1.44	0.02	2	2
	P25	1.775	28.185	6.345	58.5	2	18	23.45	940.5	5.0915	22.7	0.1	3.8	0.3	47.2	1.04	29.13	0.03	62.5	4.3864	0.083	4.2	27.75	1.2901	2.1	0.0218	20	4.3364	0.5545	0.1054	0.1	1	16	0.51	--	10.7	3.15	0.02	2	2
	P50	2	28.37	10	74	2	35	27.9	1312	6.8927	36	0.1	3.8	0.3	60	2	58	0.03	78	5.16	0.083	4.2	37	1.38	2.2	0.0265	20	6.1428	1.087	0.1907	0.1	1	16	1	--	10.7	6	0.02	2	2
	P75	2	60.185	10	88.75	15	75.5	37.95	1612	8.2764	43.5	0.1	3.8	0.3	68.5	2.5	59	0.03	135.5	6.4991	0.083	4.2	67.5	2.485	276.6	0.0744	20	6.7597	1.9906	1.0627	0.1	1	16	3.5	--	10.7	13.5	0.02	2	2
	P90	2	79.274	10	97.6	22.8	99.8	43.98	1792	9.1065	48	0.1	3.8	0.3	73.6	2.8	59.6	0.03	170	7.3025	0.083	4.2	85.8	3.1479	441.24	0.1031	20	7.1298	2.5327	1.5859	0.1	1	16	5	--	10.7	18	0.02	2	2
	P100	2	92	10	103.5	28	116	48	1912	9.66	51	0.1	3.8	0.3	77	3	60	0.03	193	7.8381	0.083	4.2	98	3.5899	551	0.1222	20	7.3766	2.8941	1.9347	0.1	1	16	6	--	10.7	21	0.02	2	2
Sedimentary Units (5aj)	count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	P00	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P10	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P25	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P50	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P75	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P90	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
	P100	0.4	12.3	1.2	34	0.1	2.9	18.5	951	7.05	0.8	0.1	0.5	0.6	28	0.1	0.1	0.1	70	1.29	0.099	4	38	1.99	28	0.344	37	2.47	0.22	0.14	0.6	10	8	0.1	0.05	14	0.5	--	--	--	--
Granitic Intrusives (9n, 9pf)	count	6	6	6	6	6	6	6	6	6	6	5	5	5	6	6	6	5	6	6	5	5	6	6	6	6	5	6	6	6	5	5	5	6	2	5	6	3	1	1
	P00	0.6	6.8	0.86	24.3	0.1	12.1	18	624	3.1726	0.7	0.1	0.5	0.6	23.2	0.02	0.02	0.03	26	3.346	0.08	3.9	60.1	1.0223	12.6	0.001	20	1.47	0.03	0.07	0.1	1	9.6	0.02	0.07	3.1	0.2	0.02	2	2
	P10	0.65	10.15	1.08	29.15	0.1	14.25	23.1	866	4.2513	0.85	0.1	1.78	0.72	23.75	0.025	0.03	0.042	30.5	3.733	0.0836	4.82	65.2	1.7062	13.7	0.001	20	1.65	0.032	0.07	0.1	1	9.88	0.02	0.075	3.38	0.25	0.024	2	2
	P25	1.025	13.78	1.4	42.5	0.575	17.95	28.625	1113.8	5.395	1.725	0.1	3.7	0.9	32.725	0.0475	0.0475	0.06	39.5	4.275	0.089	6.2	70.575	2.4475	14.9	0.0013	20	1.935	0.0358	0.07	0.1	1	10.3	0.02	0.0825	3.8	0.325	0.03	2	2
	P50	2.045	18.74	1.845	72.3	15.5	22.8	29.9	1196	6.2	14.95	0.1	3.9	1	83	0.1	0.085	0.1	63	4.885	0.089	9	75.2	2.8	19.6	0.003	20	2.91	0.0415	0.09	0.1	1	10.4	0.06	0.095	8	0.45	0.04	2	2
	P75	2.3	28.215	2.3575	94.9	32.75	30.05	30.05	1569.3	7.0125	32	0.2	12.9	1.2	109.73	0.1225	0.1	0.1	79	5.6525	0.09	10	97.75	3.0325	28.5	0.0078	23	3.93	0.0428	0.185	0.1	10	10.6	0.1	0.1075	8.6	0.5	0.11	2	2
	P90	3.17	95.775	6.24	105.75	162.5	35.2	32.9	2246.5	8.54	52.75	0.2	194.58	1.2	116.65	1.065	17.05	0.154	87.5	6.31	0.096	11.02	115.5	3.11	105.5	0.0459	28.4	5.7446	2.0542	0.6829	0.1	10	11.38	10.05	0.115	8.84	12.75	0.152	2	2
	P100	3.97	161.55	10	110.5	291	38	35.7	2821	10	71.5	0.2	315.7	1.2	123	2	34	0.19	94	6.76	0.1	11.7	127	3.17	181	0.0827	32	7.4392	4.0654	1.1558	0.1	10	11.9	20	0.12	9	25	0.18	2	2
Late Gabbro Intrusives (10a)	count	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	8	48	48	5	1	1
	P00	0.1	22.23	0.3	33	0.1	2.5	21.5	495	4.6	0.5	0.1	0.5	0.1	4	0.03	0.05	0.02	44	0.31	0.016	0.6	9	1.55	1	0.001	9	1.18	0.004	0.01	0.1	1	2.3	0.02	0.05	2.7	0.1	0.02	2	2
	P10	0.2	51	0.57	47.5	0.1	18.12	26.98	603.1	6.073	0.5	0.1	0.5	0.1	5	0.1	0.1	0.1	78.1	0.38	0.017	1	12.7	1.851	3	0.003	10	1.876	0.0185	0.02	0.1	1	2.9	0.076	0.05	5.7	0.5	0.02	2	2
	P25	0.4	95.625	1.075	59.25	0.1	23.875	30.45	1007	6.37	0.675	0.1	1.65	0.2	5.75	0.1	0.1	0.1	144.25	0.43	0.0478	2	15	1.98	4	0.0838	11	2.13	0.0718	0.02	0.1	1	3.775	0.1	0.05	9	0.5	0.02	2	2
	P50	0.525	198.41	1.78	86.1	0.1	32.8	35.1	1350.5	6.77	1.2	0.1	4	0.2	7	0.1	0.1	0.1	162.5	0.515	0.053	2	20.5	2.42	5	0.101	14	2.395	0.0935	0.03	0.1	1	4.75	0.1	0.05	11	0.5	0.02	2	2
	P75	0.7	499.08	2.725	114.15	0.225	44.3	42.45	1608.3	7.855	2.65	0.1	10.65	0.3	23.5	0.1	0.1	0.1	180.25	2.0125	0.058	3	42.775	2.93	8	0.123	20	2.745	0.1043	0.05	0.1	1	8.55	0.1	0.105	13	0.625	0.19	2	2
	P90	1.23	1647.3	4.296	131.6	6.98	96.83	46.09	1812.2	8.956	7.6	0.1	30.26	0.3	43.6	0.1	0.106	0.1	190.6	6.51	0.0626	4.3	120.8	3.523	25.2	0.1593	20	3.676	0.1179	0.206	0.1	10	15.66	0.1	0.15	14.3	1.36	0.208	2	2
	P100	3.94	5038.1	14.3	143	1322	129.3	54.4	2197	13.52	47.8	0.1	5750.8	0.9	101.2	0.2	0.2	0.4	208	8.5	0.083	8.2	174	4.93	52	0.213	31	4.72	0.188	0.34	2.4	10	21.5	0.1	0.22	16	4	0.22	2	2
Mixed Late Gabbro Intrusives	count	13	13	13	13	13	13	13	13	13	13	7	7	7	13	13	13	7	13	13	7	7	13	13	13	13	7	13	13	13	7	7	7	13	6	7	13	3	6	6
	P00	0.3	16.6	0.5	54	0.1	0.9	27.1	689	3.66	1.7	0.1	0.5	0.1	22	0.1	0.09	0.03	24	2.47	0.017	1	20	1.57	1	0.002	20	0.68	0.025	0.03	0.1	1	4	0.02	0.06	4	0.3	0.02	2	2
	P10	0.32	28.96	0.64	56.8	0.1	5.16	29.3	952.6	4.978	4.12	0.1	1.1	0.1	39.6	0.1	0.1	0.072	45.2	3.424	0.0302	1	21.84	1.675	2	0.002	20	1.15	0.036	0.04	0.1	6.4	6.94	0.1	0.06	4.12	0.5	0.056	2	2
	P25	0.6	51.2	1.3	74	0.1	21.5	30.6	1334	6.13	6	0.1	1.6	0.1	65	0.1	0.1	0.1	69	4.2695	0.053	1.45	28	1.77	2	0.005	20	2.55	0.045	0.04	0.1	10	10.75	0.1	0.06	4.6	0.5	0.11	2	2
	P50	1.7	55.69	2.5	106	2	32	36.8	1741	9.62	23	0.1	2.3	0.2	105	0.3	0.1	0.1	142	4.5226	0.069	2	105	3.1083	4.9	0.186	20	3.76	0.095	0.07	0.1	10	12.9	0.1	0.07	6	0.6	0.2	2	2
	P75	2	103.4	10	134	2	92	71	1846	10.966	45	0.15	34.1	0.75	122	6	66	0.1	331	5.9	0.081	4.5	139	3.57	11	0.6215	20	7.0016	1.3429	0.1438	0.1	10	14.05	20	0.3425	7.5	28	0.2	2	2
	P90	2	144.6	10	151.2	2	105.04	71.8	1970	12.241	58.6	0.2	50.28	1.1	156	6.8	79	0.1	350.8	6.3001	0.091	8.4	165.4	4.0965	15.6	0.8385	42	7.3321	1.8474	0.2048	0.1	10	15.04	20	0.73	9.2	59.8	0.2	2	2
	P100	2	147	10	178	47	109	74	2094	13.218	63	0.2	50.4	1.1	165	9	87	0.1	362	6.7346	0.1	12	203	4.396	62	0.9029	75	7.41	2.5769	0.2817	0.1	10	16.3	38	1.03	11	77	0.2	2	2

Appendix H: Statistcal Analysis of Solid-Phase Elemental Data by Lithology, Doris Deposit

Lithology	Statistical Summary	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppb	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Be ppm	Sn ppm
Other Late Mafic Intrusives (10b)	count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	5	5	2	0	0
	P00	0.4	25.4	0.6	32	0.1	1.2	19.1	428	3.68	1	0.1	0.5	0.2	38	0.07	0.02	0.04	22	1.97	0.033	1.2	25	1.19	7	0.002	20	1.15	0.022	0.03	0.1	1	5.4	0.02	0.08	4.3	0.2	0.02	--	--
	P10	0.44	36.776	1.228	40.84	0.1	2.76	22.54	582.4	3.94	1.28	0.1	0.5	0.24	43.68	0.082	0.052	0.064	35.6	2.394	0.0378	2.32	40.64	1.398	7.56	0.0044	20	1.73	0.0256	0.034	0.1	1	5.56	0.028	0.08	4.58	0.32	0.027	--	--
	P25	0.5	53.84	2.17	54.1	0.1	5.1	27.7	814	4.33	1.7	0.1	0.5	0.3	52.2	0.1	0.1	0.1	56	3.03	0.045	4	64.1	1.71	8.4	0.008	20	2.6	0.031	0.04	0.1	1	5.8	0.04	0.08	5	0.5	0.0375	--	--
	P50	0.6	61	2.23	55	0.1	53.6	30.3	834	4.4	3.3	0.2	1.8	0.9	58.5	0.1	0.1	0.1	77	3.24	0.063	5	91.5	2.57	10	0.116	20	2.82	0.082	0.05	0.1	10	7.2	0.1	0.08	7.5	0.5	0.055	--	--
	P75	1.12	87.7	3.2	58.1	40	108.4	30.5	1029	5.74	20.4	0.2	4.1	1	64	0.1	0.1	0.2	104	3.5	0.065	5	120	2.64	15.8	0.154	20	3.08	0.277	0.1	0.1	10	7.3	0.1	0.11	8	0.5	0.0725	--	--
	P90	3.166	94.03	6.38	130.64	1794.4	148.48	32.42	1476.6	8.368	106.38	0.26	12007	1.12	71.2	0.106	0.106	0.224	110	4.22	0.083	6.08	142.2	2.73	25.52	0.1606	30.8	3.698	0.4558	0.202	0.1	10	12.28	0.1	0.128	11	0.86	0.083	--	--
	P100	4.53	98.25	8.5	179	2964	175.2	33.7	1775	10.12	163.7	0.3	20009	1.2	76	0.11	0.11	0.24	114	4.7	0.095	6.8	157	2.79	32	0.165	38	4.11	0.575	0.27	0.1	10	15.6	0.1	0.14	13	1.1	0.09	--	--
Diabase (11c and 11cm)	count	40	40	40	40	40	40	40	40	40	40	39	39	39	40	40	40	39	40	40	39	39	40	40	40	40	39	40	40	40	39	39	39	40	9	39	40	2	3	3
	P00	0.2	41	0.5	49	0.1	7	13.9	295	3.57	0.5	0.1	0.5	0.3	14	0.1	0.1	0.1	157	0.78	0.035	3	13	0.39	2	0.01	2	0.97	0.041	0.04	0.1	1	1.9	0.1	0.05	7	0.5	0.2	2	2
	P10	0.3	124.61	1.4	62.5	0.1	10.8	17.96	343	4.041	0.5	0.1	3.14	0.4	21	0.1	0.1	0.1	191.3	0.869	0.0506	3	21.9	0.429	11.7	0.1889	3	1.049	0.1591	0.12	0.1	1	2.3	0.1	0.05	8	0.5	0.2	2	2
	P25	1.475	263.33	1.8	74.75	0.1	17.55	21.975	399	5.2175	0.5	0.1	4.95	0.4	25	0.1	0.1	0.1	260	0.985	0.0575	3	26	0.4775	16.75	0.237	5	1.25	0.18	0.1475	0.1	1	2.5	0.1	0.05	9	0.5	0.2	2	2
	P50	1.9	330.25	2.25	90	0.1	22.15	24.85	458	5.945	0.5	0.1	7.2	0.4	32.5	0.1	0.1	0.1	412	1.095	0.067	4	31.5	0.555	25	0.3405	8	1.575	0.279	0.175	0.1	1	2.9	0.1	0.05	10	0.5	0.2	2	2
	P75	2.125	409.43	4.3	108	0.1	28.825	31.075	552	7.325	0.7	0.1	9.3	0.5	44	0.1	0.125	0.1	591.25	1.3075	0.0815	5	36	0.7325	37	0.4273	20	2.02	0.3475	0.2325	0.1	1	3.35	0.1	0.08	11	0.5	0.2	2	2
	P90	2.4	630.02	7.56	139.4	0.2	37.73	36.25	745.5	8.275	1.6	0.1	15.92	0.82	51.2	0.2	0.3	0.1	760.9	1.566	0.1198	7.2	41.6	1.567	54.2	0.4722	25.2	2.905	0.4343	0.332	0.1	10	3.8	0.1	0.096	12	0.6	0.2	2	2
	P100	7.6	820.1	13.1	180	2	73.2	79	1951	13.553	46	0.3	19.2	1.6	154	8	69	0.2	1064	5.3119	0.161	10	174	4.12	374	0.8956	222	7.7589	1.6733	0.43	0.3	10	19.5	22	0.12	14	49	0.2	2	2
Mixed Diabase	count	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	0	1	1	1	1	0	1	1	1	0	0	0	1	0	0	1	0	1	1
	P00	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P10	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P25	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P50	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P75	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P90	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
	P100	2	214	10	111	0.6	40	70	2092	11.892	22	--	--	--	168	4	44	--	369	6.8614	--	--	53	3.3068	233	1.0538	--	6.8486	2.0319	0.7669	--	--	--	20	--	--	8	--	2	2
Quartz Veins (12q)	count	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	5	22	17	12	0	0
	P00	0.3	1.32	0.49	3.8	0.1	1.9	0.7	32	0.22	0.4	0.1	0.002	0.1	1.5	0.01	0.04	0.02	1	0.05	0.001	0.5	29	0.02	0.5	0.001	1	0.01	0.005	0.01	0.1	1	0.1	0.02	0.94	0.1	0.1	0.02	--	--
	P10	1.12	2.828	0.964	4.91	0.21	2.92	1.3	42.4	0.311	2.74	0.1	0.0052	0.1	1.78	0.02	0.05	0.021	2	0.095	0.002	0.5	90.03	0.035	0.71	0.001	2.3	0.02	0.0062	0.01	0.1	1	0.22	0.02	1.152	0.1	0.1	0.02	--	--
	P25	2.9425	7.045	1.3975	5.375	0.75	4.05	4	199.25	1.0525	7.55	0.1	6.6	0.1	3.625	0.0325	0.07	0.04	2	0.5425	0.003	0.5	106	0.16	1.525	0.001	20	0.0325	0.009	0.01	0.1	1	0.925	0.02	1.47	0.225	0.2	0.02	--	--
	P50	9.58	13.605	2.2	12.45	23.5	5.95	11.9	448.5	1.885	23	0.1	214.65	0.1	8.45	0.1	0.1	0.145	4	1.165	0.007	0.75	127.9	0.53	3.05	0.001	20	0.12	0.0185	0.02	0.1	1	2	0.02	2.04	0.9	0.5	0.055	--	--
	P75	11.328	35.705	3.745	35.2	241	18.675	24.85	1624.5	5.155	36.975	0.1	529.58	0.275	31.275	0.18	0.265	0.5	7	4.8675	0.0403	1	152.75	1.3025	5	0.001	27	0.2625	0.024	0.0375	0.175	10	5.1	0.1	5.69	1	0.8	0.1575	--	--
	P90	13.081	62.21	5.101	51.77	512.1	27.23	29.93	1994.8	7.188	61.32	1	3105.5	1	42.81	0.2	0.5	0.5	10.9	5.608	0.0781	1	201.49	1.607	9.93	0.002	33	0.357	0.0553	0.059	1	1000	7.76	1	7.58	1	2.04	0.198	--	--
	P100	17.3	79.42	14.1	77	2033	56.5	39.7	2706	11.49	139.8	1	7244.8	1	56.4	0.2	0.5	0.5	21	7.45	0.128	3	229	3.25	14	0.009	39	0.62	0.074	0.09	1	1000	9.7	1	8.84	2.1	3.1	0.74	--	--
Mixed Quartz Vein	count	9	9	9	9	9	9	9	9	9	9	6	6	6	9	9	6	9	9	6	9	9	6	6	9	9	6	9	9	9	6	6	6	9	1	6	8	4	3	3
	P00	0.9	9.02	1.19	2	0.4	3.4	5.3	263	1.13	2.4	0.1	0.002	0.1	12.4	0.03	0.07	0.09	3	0.98	0.012	0.5	30	0.3	2	0.001	3	0.07	0.014	0.02	0.1	1	1.6	0.02	2.17	0.2	0.1	0.02	2	2
	P10	1.78	16.828	1.838	6.08	0.56	6.36	8.26	359.8	1.361	9.28	0.1	113.15	0.1	12.56	0.054	0.126	0.1	3.8	1.2406	0.014	0.55	40.72	0.3514	2.88	0.001	11.5	0.078	0.0148	0.028	0.1	1	2.25	0.02	2.17	0.25	0.17	0.062	2	2
	P25	2	28.5	3	9	0.7	10.3	13.2	583	3.02	15.3	0.1	336.33	0.125	18	0.1	0.19	0.1325	4	2.21	0.019	0.7	84.2	0.67	3.2	0.001	20	0.08	0.023	0.03	0.1	1	3.45	0.02	2.17	0.35	0.575	0.125	2	2
	P50	2.6	61	10	23	2	19.1	18.8	863	4.1	35	0.1	789.5	0.2	22	0.2	0.5	0.31	8	2.63	0.033	1	87	1.1169	4	0.001	20	0.2	0.028	0.04	0.1	1	5.15	0.31	2.17	0.75	1.75	0.22	2	2
	P75	6.35	91	10	42	358	38	35	1235	6.54	45.5	0.1	1728.2	0.35	46	1	7	0.555	41	3.91	0.0515	1.075	122	1.68	22	0.0287	20	1.79	0.217	0.37	0.775	7.75	5.8	20	2.17	1	10	0.295	2	2
	P90	6.894	103.04	25.782	69.18	516.6	53	46.1	1856.8	8.229	93	0.55	2195.8	0.7	49	2	22.8	0.6	92.2	5.4711	0.0665	2.2	140.6	1.9341	58.2	0.0688	20	3.2505	0.3932	0.5655	1	505	7.45	20	2.17	4.6	11.8	0.322	2	2
	P100	7.63	119.18	65.63	165.9	1011	101	50.5	3164	10.3	229	1	2391.6	1	61	6	58	0.6	93	7.73	0.077	3.3	163	2.81	97	0.115	20	3.2649	0.49	0.7479	1	1000	8.9	20	2.17	8.2	16	0.34	2	2
*Ave. Crustal Abudance for Basalt**		***1.5***	***87***	***6***	***105***	***0.11***	***130***	***48***	***1500***	***8.65***	***2***	***1***	***4***	***4***	***465***	***0.22***	***0.2***	***0.007***	***250***	***7.6***	***0.11***	***15***	***170***	***4.6***	***330***	***1.38***	***5***	***7.8***	***1.8***	***0.83***	***0.7***	***90***	***30***	***0.21***	***0.03***	***17***	***0.05***	***--***	***1***	***1.5***

*Price (1997)

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