REPORT ON THE 2007 DIAMOND DRILLING PROGRAM ON THE "3 Oz" GOLD SHOWING

On Claim:

MIDAS 3 (396295)

Held by Teuton Resource

Del Norte Property, Stewart Area, British Columbia

Skeena Mining Division

NTS Map Sheet 103P13

Coordinates:

469,678E, 6,203,537N

Work Completed by Sabina Silver Corporation between:

July 1, 2007 – August 25, 2007

Completed for :

Sabina

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Submitted on May 25, 2008

Table Of Contents

Table Of Figures

List Of Tables

Overview

This final report provides detailed information obtained by Sabina Silver Corporation of the exploration activities on the Del Norte Property for the period of July 1, 2007 to August 25, 2007.

The Del Norte Property is located ~30 km East of Stewart, British Columbia within the Eskay Creek Mining District (Figure 1). The Del Norte and Midas claim blocks lay along the eastern edge of a NNW trending belt of Triassic and Jurassic volcanic and sedimentary rocks (Cremonese, D. 2003) which have been shown to host scattered occurrences of anomalous gold mineralization typically associated with quartz and arsenopyrite (Figure 2).

The Del Norte property covers a NNW trending structural deformation zone called the Del Norte Tectonic Zone (DNTZ) which hosts the six known mineralized showings; LG Vein Extension, LG Vein, Kosciuszko Zone, Bullion Showing, and Humdinger Showing located on the Del Norte claim block and the “3 Oz” Vein located on the Midas claim blocks. All the showings occur over a strike length of 7,000m (Figure 3). All six exhibit similar mineralogy and share approximately the same stratigraphic setting suggesting that these showing can be correlated to one another structurally. The “3 Oz” Vein is the southern most showing along the NNW trending DNTZ and was the focal point of Sabina’s 2007 drilling program.

The 2007 Del Norte exploration program was 100% funded by Sabina. Sabina my earn up to 65% interest in the property from Teuton Resources by spending $2.5 million on the property over four years taking the project to a feasibility stage. Sabina currently has earned a 50% interest in the property. Sabina expended ~ $766,247.61 on the 2007 drilling program.

Sabina conducted a 9 hole, 1,600 m diamond drilling program on the Del Norte property in 2007. The intent of the program was to assess the strike and dip extent of mineralization intersected by three diamond drill holes, drilled by Sabina in 2006, under the “3 Oz Vein” gold showing.

The 2007 drill program results were not as promising as those obtained in 2006. Assay highlights from the 2007 drill program include 6.75 g/t Au over 0.90 m and 2810 g/t Ag over 1.00 m, both from hole SDN-07-03 . All other assay values were lower. No future exploration work is recommended for the “3 Oz Vein “showing.

Sabina Silver Corporation

Hackett River Project

General Location Map

Drawn by: S.D. Scale:

Figure 1 - General Location Map.

Figure 2 - Claim Boundary Map.

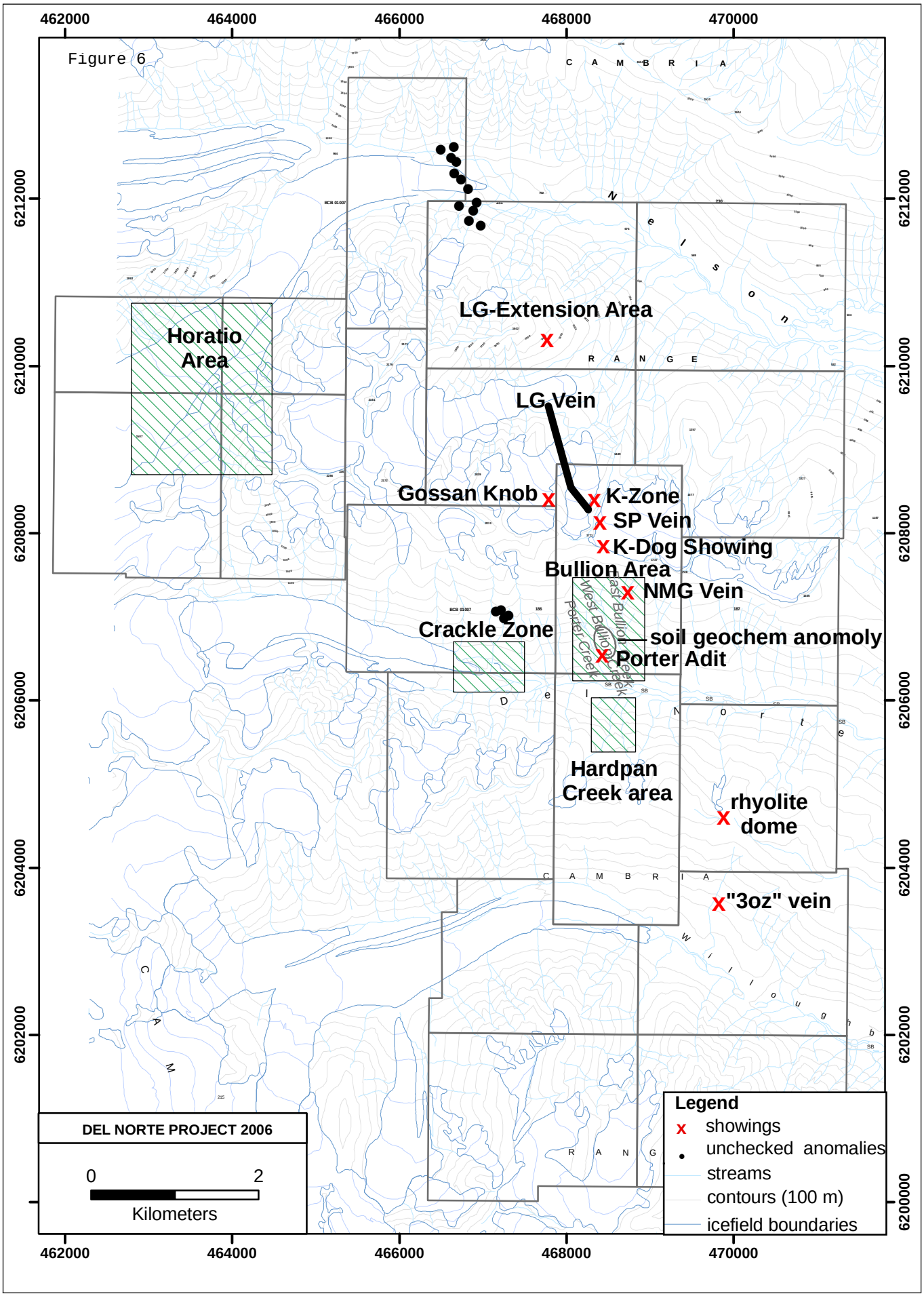


Figure 3 - Zone Location Map.

Property Description, Location and Property Status

The Del Norte Property is located ~ 30 km east of Stewart, British Columbia in the Skeena Mining Division. The property is situated at the eastern edge of the Cambria Ice field (Figure 1).

Exploration activities in 2007 were based out of the Meziadan highways camp facilities located off of Highway 37.

Drilling was completed on claim block 396295 MIDAS 3 (Figure 2), situated on the northern side of Willoughby valley located ~ 20 km SSW of the Meziadan highways camp facilities. Applicable Claim information is summarized in Table 1.

Table 1: Claim information pertinent to the 2007 Drilling Program.

Tenure Number	Property Name	Claim Name	Map #	Status	Mining Division	Area
396293	Midas	MIDAS 1	103P093	Good Standing 2008.09.10	19 SKEENA	16 un
396294	Midas	MIDAS 2	103P093	Good Standing 2008.09.10	19 SKEENA	20 un
396295	Midas	MIDAS 3	103P093	Good Standing 2008.09.10	19 SKEENA	20 un
396296	Midas	MIDAS 4	103P093	Good Standing 2008.09.10	19 SKEENA	20 un
396297	Midas	MIDAS 5	103P093	Good Standing 2008.09.10	19 SKEENA	20 un
251848	Del Norte	CROESUS 1	104A003	Good Standing 2010.05.04	19 SKEENA	15 un
251849	Del Norte	CROESUS 2	104A003	Good Standing 2010.05.04	19 SKEENA	18 un
251850	Del Norte	CROESUS 3	104A003	Good Standing 2010.05.04	19 SKEENA	20 un
251851	Del Norte	CROESUS 4	104A003	Good Standing 2010.05.04	19 SKEENA	20 un
396309	Del Norte	HORATIO 1	104A003	Good Standing 2010.09.09	19 SKEENA	20 un
396310	Del Norte	HORATIO 2	104A003	Good Standing 2010.09.09	19 SKEENA	20 un
396311	Del Norte	HORATIO 3	104A003	Good Standing 2010.09.09	19 SKEENA	20 un
396312	Del Norte	HORATIO 4	104A003	Good Standing 2010.09.09	19 SKEENA	20 un
396313	Del Norte	HORATIO 5	104A003	Good Standing 2008.09.10	19 SKEENA	16 un
396307	Del Norte	Lord Nelson 6	104A003	Good Standing 2008.09.09	SKEENA	18 un
396308	Del Norte	Lord Nelson 7	104A003	Good Standing 2008.09.09	SKEENA	15 un
404916	Del Norte	LH 1	104A003	Good Standing 2008.09.08	SKEENA	12 un
404917	Del Norte	LH 2	104A003	Good Standing 2008.09.08	SKEENA	9 un
404918	Del Norte	LH 3	104A003	Good Standing 2008.09.08	SKEENA	20 un
404919	Del Norte	LH 4	104A003	Good Standing 2008.09.08	SKEENA	15 un

Accessibility, Climate, Local Resources, Infrastructure and Physiography

Access to the property is by helicopter only. From the camp facility at the Meziadan highways camp the property is approximately a 9-12 minute flight.

The Del Norte property is situated in the Coast Range of British Columbia where large mountains and glaciers dominate the landscape. Topography is extremely variable, with elevations ranging from 800 to 2000 m above sea level. Slopes vary from extremely steep to modest. Outcrop density is approximately 10%, regularly concealed by thick vegetation and glacial till, especially at the valley bottoms. In high alpine regions vegetation consists of a wide variety of shrubs, mountain grasses and heather and in low-lying elevations vegetation is dominated by mountain hemlock and balsam (Conmeriser, 2003).

The climate is typically considered a complex mountain climate which experiences rapidly changing weather; strong winds, heavy precipitation, snow fall and thick fog. Snow accumulation can start as early as mid to late September and remains into late June.

History

The Del Norte property lies in North Western British Columbia in a region which has seen a rich exploration and mining history.

Individual geologists and junior exploration companies have explored the Del Norte property since the 1930's, when the first gold and gold-copper showings were first discovered. Exploration was limited up until 1987 due to property remoteness.

Teuton Resouces Corp. acquired the Croesus claims in 1987 and began to actively engage in mineral exploration completing a grass roots exploration program of rock and silt sampling.

In 1988, an extensive followed up program was completed and consisted of geological mapping and prospecting, as well as rock and soil sampling which lead to the discovery of several small scale Cu-Zn and Cu-Au mineralized Zones.

As a result of the Eskay Creek discovery in 1989, new interest was given to properties with potential of hosting an Eskay Creek style deposits. Consequently, Teuton was able to option the Del Norte property to GoodGold Resources Ltd. Between 1989 and 1992, GoodGold Resouces Ltd expenditures totaled ~ $600,000 of which they aggressively explored the property completing extensive geophysical surveying, mapping, prospecting, trenching, soil sampling and drilling programs. Their efforts resulted in the discovery

of several low grade precious and base metal mineralized showings such as the Humdinger, O, Grizzly, NMG and the Crackle Zone to name only a few.

Little work was completed on the property between 1993 and 2001, as a result of low gold prices. In 1993, still faced with diminished precious metal prices, Teuton initiated a rock sampling program which identified numerous Au-Ag-As-(Zn-Cu) quartz sulfide stringer zones hosting isolated high grade gold values.

Exploration became active again in 2002, at which point Teuton made the Kosciuzsko or "K" Zone discovery. Also in 2002, Teuton acquired the Horatio and Midas claims.

Between 2003 and 2004, the Del Norte property was optioned to Lateegra Resources Corp. In 2003 Teuton completed a prospecting program on the Midas claims which resulted in the discovery of several large, gold-bearing quartz float boulders. The exact location of the vein was not recorded during this 2003 prospecting program. In 2004 Teuton returned to the Midas claims initiating a small trenching program from which the “3 Oz” Vein was located and sampled. Assay results from these early prospecting programs yielded anomalous gold values with float samples ranging from trace to 102.8 g/t (3 oz/ton), hence the name of the showing. Lateegra Resources Corp. also drilled a total of 45 diamond drill holes tested the LG Vein along strike and the “K” Zone. Lateegra did not fulfill its option requirements in 2004.

From 2005 to present, the Del Norte property has been optioned to Sabina. Sabina focused primarily on the LG Vein shear/breccia zone in 2005, drilling ten holes to test the strike and dip of the LG Zone.

In late 2005 an Aeroquest helicopter borne EM/magnetic survey was flown over most of the property. This survey identified a series of parallel EM conductors situated just east and parallel to the LG vein.

In 2006, an extensive prospecting program covering numerous areas on the Del Norte property was completed as follow up to the airborne EM survey. Grab samples from the “3 Oz” Vein returned encouraging anomalous gold values as noted in Table 2. This prospecting program was followed up by a 15-hole drill program. Sabina’s 2006 drill program at the “3 Oz” Vein gold showing consisted of 3 short holes (SDN-06-02, SDN-06-03, and SDN-06-04 – details summarized in Table 3) all drilled on the same section line (1003N) totaling 659.59 m (Figure 4). The best drill intercept was in hole SDN-06-02 which returned 2.52 g/t gold (0.07 oz/ton) over 32.4 m (Table 4)

Table 2: “3 Oz” Vein 2006 Grab Sample Assay Results

Sample #	Sample Type	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb)
KM06-6	Grab	516	7653	745	56	29650
06TB9-9A	Grab from OC	172	634	699	176	390
06TB9-9B	Grab from OC	10	12	109	2.7	85
06TB9-9C	Grab from OC	10	30	174	5.4	365
06TB9-9D	Grab from OC	6	170	31	5.7	435

Table 3: 2006 Del Norte Drill Locations and Orientations

Hole_ID	Northing	Easting	EL. (m)	Length (m)	Azm	Dip
06-02	6203493	469702	895	206.35	61	-47
06-03	6203493	469702	895	188.98	61	-65
06-04	6203493	469702	895	264.26	61	-82

Table 4: "3 Oz" Vein 2006 Drilling Results – Significant Intercepts.

Hole_ID	Zone	From (m)	To (m)	Interval (m)	Silver (g/t)	Gold (g/t)	Factor
06-02	3 Oz	78.33	126.01	47.68	10.4	1.77	0.90
…including		92.05	124.45	32.40	12.5	2.52	
…including		123.00	124.45	1.45	86.4	20.70	
...including		123.00	123.70	0.70	92.7	26.77	
06-03	3 Oz	75.29	153.60	79.24	2.6	0.68	0.74
...including		108.81	153.60	44.79	4.1	0.97	
…including		108.81	124.05	15.24	2.5	1.48	
…including		122.53	124.05	1.52	2.4	4.30	
06-04	3 Oz	85.50	243.68	158.18	3.5	0.44	0.54
…including		135.94	242.50	106.56	4.9	0.61	
…including		151.49	157.58	6.09	5.4	1.67	

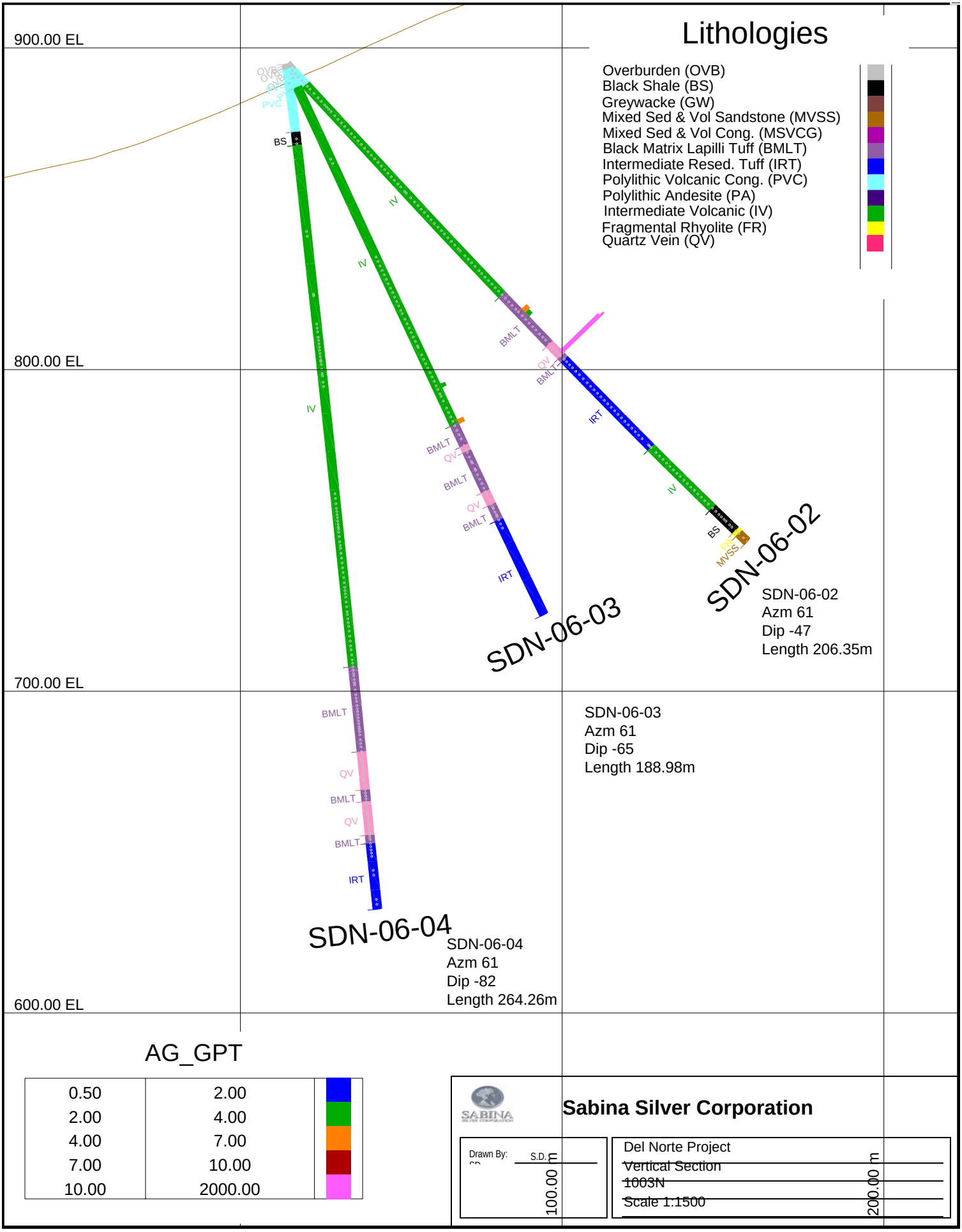


Figure 4 - "3 Oz" Vein - 2006 Vertical Section for Ag (g/t) on section line 1003N.

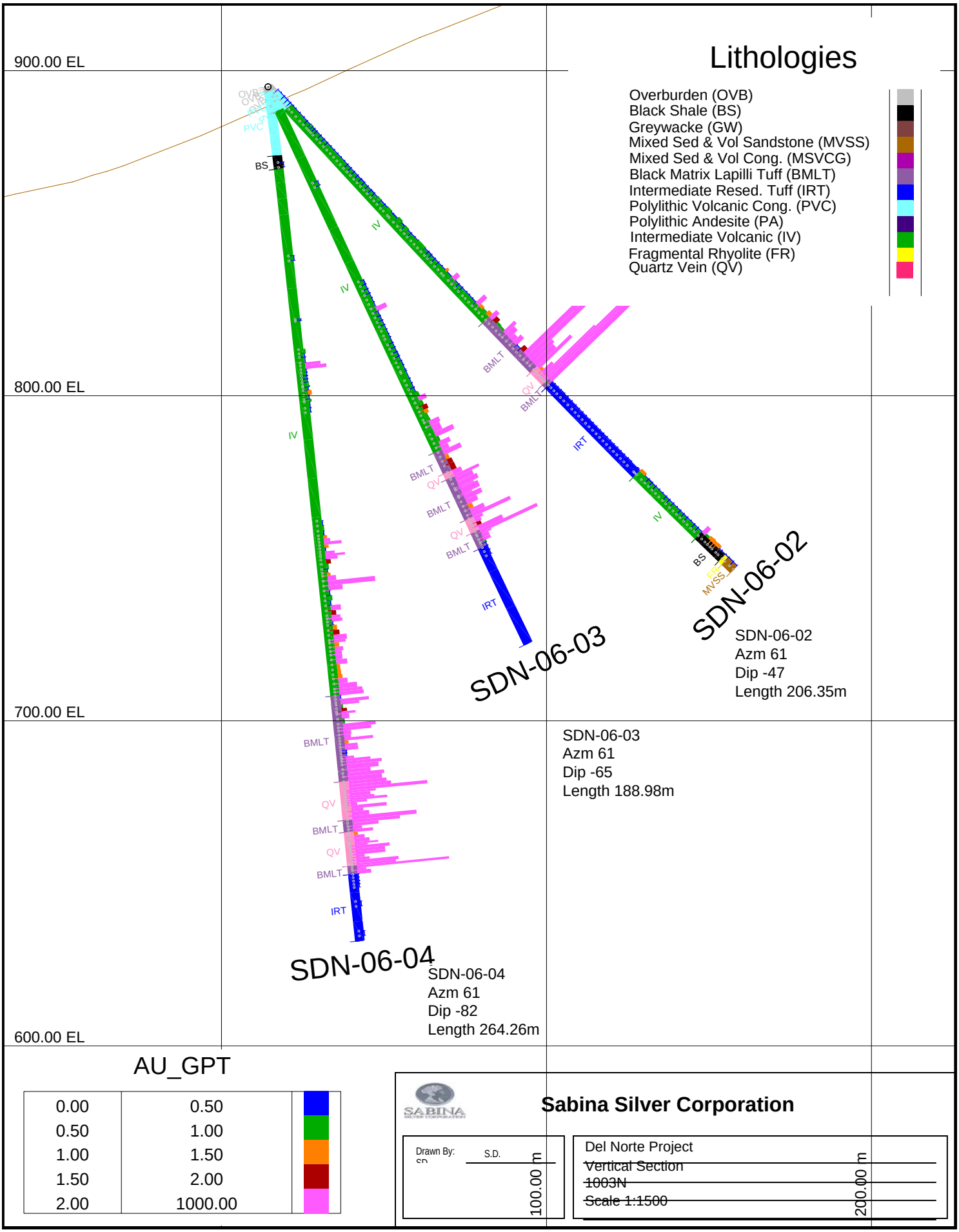


Figure 5 - "3 Oz" Vein - 2006 Vertical Section for Au (g/t) on section line 1003N.

Geological Setting

All geology and background of the property was acquired from previously prepared reports by Tony Barresi, B.Sc. and D. Cremonese, P. Eng.

Regional Geology

The Del Norte Property lies in a central portion of the Canadian Cordilleria. The Canadian Cordillera is part of an orogenic belt that is composed primarily of ancestral North American rocks, Neoproterozoic and Paleozoic miogeoclinal/continental margin deposits, and terranes of various ages and origins that were accreted to the North American craton. Terranes are fault bound fragments of the earth's crust with geological records that are distinct from those of other fault bound crustal fragments. They mainly contain the geological records of island-arcs and oceans prior to their accretion to the North American Craton.

The Canadian Cordilleria has been subdivided into five morphological belts (Figure 5). The Intermontane Belt, which contains the Del Norte property, is a region with high plateaus, rolling uplands, and deeply cut valleys. It is composed mainly of Devonian to Tertiary age rocks including post-accretionary volcanic/plutonic and sedimentary rocks and older island-arc and oceanic slivers which were accreted to the North American craton during the Mesozoic. Rocks of the Intermontane Belt are lower metamorphic grade and less deformed than those of the Omineca Belt to the east. Unlike rocks of the Intermontane Belt, the Coast Belt, to the west, is composed mainly of plutonic rocks, with pendants or screens of highly metamorphosed country rock.

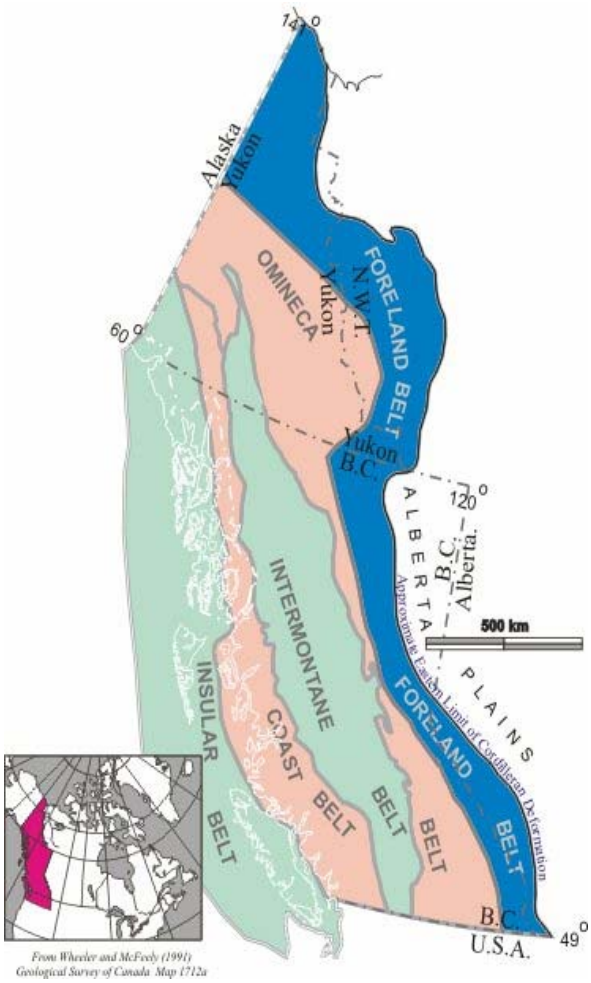


Figure 6 - Morphological Belts of the Canadian Cordilleria.

Del Norte lies entirely within the Stikine island-arc Terrane (Stikinia). The Stikine Terrane defines the westernmost boundary of the Intermontane Belt. It is the largest accreted terrane within the Cordillera with an extent that can be followed, discontinuously, over a 2000 km by 300 km area trending NW to SE along the general tectonic grain of the Cordillera. Paleontological studies of Stikinian fossil assemblages (Smith and Tipper 1986, and Stanley and McRoberts 1993) suggest that the terrane formed in a tropical environment, at a southerly latitude in the eastern Pacific, before moving northward to where it joined the North American continent during the Middle Jurassic. The Stikine Terrane is dominated by three major structural features (Figure 6): the Bowser Basin, a structural basin in the north central portion of outcropping Stikinia, which hosts the overlying Bowser Lake Group, and the Stikine and Skeena NE to SW trending arches on the northern and southern sides of the Bowser Basin, respectively.

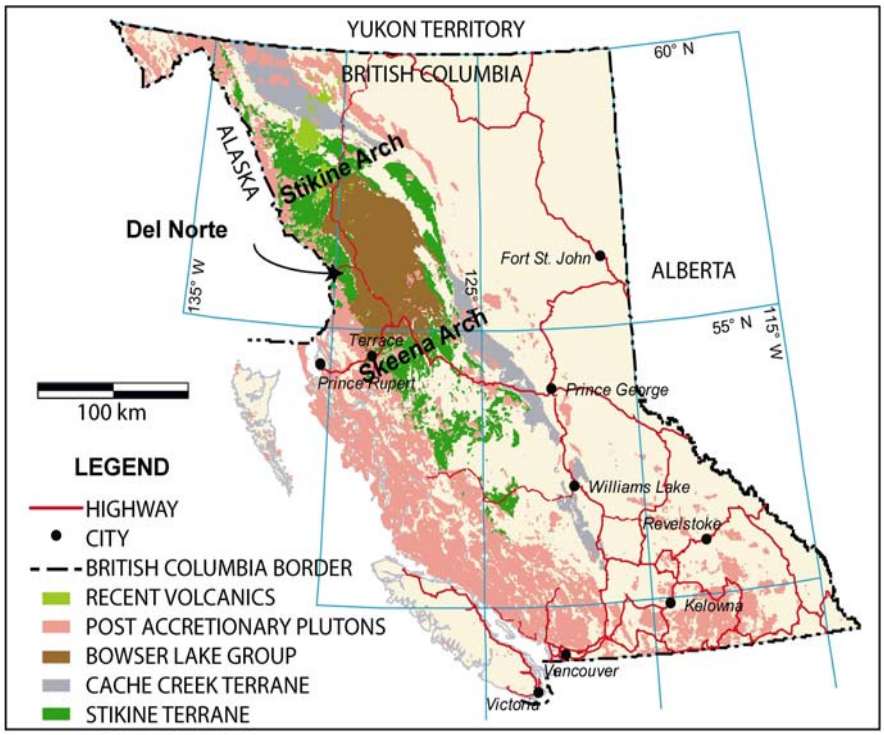


Figure 7 - Distribution of Significant Terranes and Structures in the Canadian Cordilleria.

Stratigraphy

In the Stewart area of northwest BC, the Stikine Terrane is composed of three major pre-accretionary units and two younger, syn and post-accretionary units (Table 5). The main stratigraphic components are: 1) the metavolcanic and metasedimentary Stikine Assemblage of Devonian to Permian age; 2) island-arc volcanic rocks of the Late Triassic Stuhini Group; 3) Early to Middle Jurassic island-arc volcanic and sedimentary rocks of the Hazelton Group; 4) the Middle Jurassic to Cretaceous Bowser Lake Group, which is a sedimentary overlap assemblage that overlies the eastern margin of the Stikine island-arc units; and 5) upper Cretaceous to Holocene volcanic rocks. Differentiating between Stikine Assemblage, Stuhini Group and Hazelton Group rocks can be very challenging because each of these units represents nearly identical types of geological events. The Stikine Assemblage often shows multiple deformations and many lithologies in close proximity to one another; Stuhini Group volcanic rocks most commonly have pyroxene phenocrysts; Hazelton Group volcanic rocks more typically have plagioclase phenocrysts.

Table 5 Stratigraphic Elements of the Stikine Terrane in the Stewart Complex

Age	Stratigraphic Element	Lithological and Structural Characteristics	Interpreted Tectonic Setting
Upper Cenozoic to Holocene	Recent Volcanics	Alkaline basalt and rare felsic rocks with quartz phenocrysts	Continental arc
Middle Jurassic to Cretaceous	Bowser Lake Group	Sedimentary rock, rich in clasts of black chert	Sedimentary overlap assemblage shed from nearby, obducted Cache Creek Terrane
Early to Lower Middle Jurassic	Salmon River Formation	Fault and unconformity bound conglomerates and bimodal tholeiitic volcanic rocks; distal tuffs argillites and cherts	Extension-related (rift) environment
Early Jurassic	Hazelton Group	Marine sedimentary and intermediate calc-alkaline volcanic rocks	Island arc
Late Triassic	Stuhini Group	Augite porphyritic, intermediate, calc-alkaline volcanic rocks	Island arc
Devonian to Permian	Stikine Assemblage	Poly-deformed chert, carbonates, and intermediate volcanic rocks	Island arc

Given the size of the Stikine Terrane, and the rapid lateral facies changes which occur in volcano-sedimentary environments, defining a terrane-wide stratigraphy based on lithology is impossible. However, the Del Norte Property lies within a portion of the Stikine Terrane which was named the Stewart Complex, by Grove (1971). The work of Grove (1971) and Alldrick (1996) defined a coarse stratigraphy for Hazelton Group rocks within the Stewart Complex. The Stewart Complex extends from the Iskut River in the North to Alice Arm in the South; it is bounded by the Coast Plutonic Complex to the west and the Bowser Basin to the east. The following are excerpts from Allrdick (1996) defining the Hazelton Group stratigraphy in the Stewart Complex, in order of the oldest units to the youngest:

Unuk River Formation: "The Unuk River Formation is a thick sequence of massive green to greenish grey andesitic tuffs and lava flows with minor interbedded sedimentary rocks"

Betty Creek Formation: "The Betty Creek Formation is a complex succession of distinctively coloured red and green epiclastic sedimentary rocks interbedded with andesitic to dacitic tuffs and flows"

Mount Dilworth Formation: "The Mount Dilworth felsic volcanic sequence is composed of dense, resistant, variably welded dacite tuffs."

Salmon River Formation: "The Salmon River Formation is a thick assemblage of complexly folded, thin to medium-bedded siltstones and wackes with minor interbedded intraformational conglomerates, limestones and siliceous tuffaceous siltstones."

While these subdivisions of the Hazleton Group offer a guideline for placing rocks in a regional context, it is important to note that over and over again rocks which were at one time assigned to one unit were then reassigned to another after more rigorous relative and absolute age correlations/constrains were made. Generally the stratigraphy defines a sequence of more mafic green coloured volcanic rocks at the base, overlain by slightly more intermediate, maroon coloured, mainly volcaniclastic rocks, overlain by light coloured felsic volcanics, and capped by sedimentary rock with variable volcanic influence. Together the formations define a chain of partly-emergent volcanic islands which have characteristics consistent with modern day shield volcanoes. The island chain was (likely) built above an east dipping subduction zone between two converging oceanic plates.

With the exception of Cenozoic and younger volcanics, the most recent stratigraphic unit in the area is the Middle Jurassic to Cretaceous Bowser Lake Group. This unit is almost entirely sedimentary and was deposited within the Bowser Basin. The sediments are mainly derived from the oceanic Cache Creek Terrane, which was obducted during a Middle Jurassic collision between the Stikine, Quesnel, and Cache Creek Terranes, and possibly ancestral North America. The Bowser Lake Group is often in conformable contact with the underlying sediments of the Hazelton Group's Salmon River Formation, and distinguishing between them can be difficult. The base of the Bowser Lake Group can be marked by a black chert conglomerate. Bowser Lake Group rocks range from deep marine to floodplain facies, but along the western boundary of the Bowser Basin AE turbidites of silty mudstone and arkosic litharenite predominate.
Cenozoic volcanics are not present on the Del Norte Property, but regionally volcanic centres erupted scoria and alkali olivine basalts into low lying areas. Minor felsic volcanics and quartz porphyritic felsic dikes are also associated with these events.

Two significant groups of intrusive rock are present in the Stewart Complex: one which was emplaced during the Early Jurassic and another continuously from the Cretaceous to the Eocene, but most importantly during the Eocene. The Jurassic plutons are part of the Texas Creek Plutonic Suite, and the Eocene plutons are associated with the Coast Plutonic Complex, which boarders the Stewart Complex to the west. The Jurassic suite is co-genetic with the Hazelton Group volcanics and was emplaced prior to the accretion of Stikinia to the North American craton. They have characteristic dramatic compositional and textural variations between the intrusion centres and boarder; phases range from felsic to mafic, fine to coarse grained, and are often associated with a wide variety of mutually cross-cutting dikes. Generally the Texas Creek Suite, in the Stewart Complex, is composed of quartz monzonite to diorite with variable amounts and sizes of hornblende ± plagioclase ± K-feldspar phenocrysts. These intrusive bodies often display a mineral foliation and rarely have pronounced contact aureoles. The Eocene plutons are post-accretionary and are related to continued subduction along the western margin of the continent. They are typically medium to coarse grained granites to granodiorite and have far less textural and compositional variability than the Jurassic intrusives. Both

intrusive suites are related to mineral deposits, the Jurassic being most closely related to Au-Cu-Zn, and the Eocene being most closely related to Cu-Mo and Cu-Ag.

Property Geology and Mapping

The geology of the Del Norte property was most recently mapped on a regional scale by Greig et al (1994). Property scale mapping was conducted during the 2006 field season to resolve details in the most prospective areas of Del Norte.

Mapping and additional information provided from diamond drill core, has identified three geological Groups: the Stikine Assemblage, the Hazelton Group (HG), and the Bowser Lake Group (BLG). The stratigraphic contact between the Hazelton Group and the Bowser Lake Group is normally disrupted within a zone of intense faulting. Generally bedding on the property dips moderately to gently to the east, the fault contact between the HG and BLG is high angle and includes imbricate slices (repetitions) of both lithologies.

Hazelton Group

The internal stratigraphy of the Hazelton Group was not systematically mapped throughout the property, but general observations point towards a highly chaotic volcanic environment with laterally discontinuous units that were subject to syn-volcanic faulting as well as being sourced from competing volcanic centres (as evidenced from varying paleoflow directions). The Hazelton Group, and the stratigraphy generally, has an eastward younging direction. On the western side of the property the Hazelton group is mainly composed of mafic and intermediate volcanic rocks including flows, and epiclasitic deposits. Epiclastic deposits range from immature arkosic sandstones to cobble conglomerates with rounded cobbles of primary volcanic material. The most common lithology is maroon resedimented plagioclase porphyritic crystal tuff. This lithology is bedded on a scale of 5 to 50 cm and often has fining-upward grading, ripple marks and scour and fill structures. Narrow lobes of basalts (occasionally pillowed) are sometimes present within these beds. Coarser grained epiclastic rocks often contain clasts of highly vesicular basalt, pumice and scoria, as well as homogeneous clinopyroxene porphyritic basalt. Rare pure sedimentary beds of tuffacious mudstone and coral bearing limestone are also present.

Near the top of the Hazelton Group stratigraphy (on the eastern side of the property), volcanic lithologies change from predominantly mafic and intermediate to predominantly felsic. Here, in addition to flows and epiclastic deposits, primary pyroclastic deposits are also present. New lithologies include massive and autoclastic breccias of buff coloured felsic volcanic material, white weathering welded lapilli tuff, black matrix

lapilli tuff, and rhyolite domes and crypto-domes. The most common stratigraphic sequence begins with intermediate volcanic epiclastic deposits, overlain by felsic ash-lapilli tuff, overlain by black matrix lapilli tuff, and then topped by local pale green rhyolite domes and cryptodomes that show evidence of soft sediment emplacement. This stratigraphy is often complicated by interfingering units and structural disruptions. The ash-lapilli tuff are typically poorly bedded and composed of white felsic lapilli in a white to pale green ash groundmass. The proportion of lapilli to ash varies greatly and in places there are gradations into narrow intervals of autobrecciated volcanic flows. Some beds contain compacted lapilli with aspect ratios up to 1:4. In outcrop this unit often weathers to a buff to pale orange colour and can appear massive. This unit grades upwards into a black matrix lapilli tuff (BMLT), which is composed of compacted felsic lapilli in black shale, sedimentary matrix. The aspect ratio in this unit is up to 1:6 but varies greatly. It is poorly bedded but grades between different variations in the proportion of lapilli to matrix, and in the size and aspect ratios of the lapilli. This unit is distinct in outcrop and diamond drill core because of the contrast between the black matrix and orange, ankeritic alteration which is concentrated in the felsic lapilli. In some locations, near the top of the BMLT there are massive to brecciated pale semi-translucent green rhyolite domes and crypto-domes. The rhyolite does not uniformly cover the property, it is only locally present. The rhyolite forms roughly dome shaped bodies with relatively small extents, less than 15 m thick. Due to poor exposure, where these bodies were observed, the lateral continuation could not be measured. In various parts of the rhyolite bodies the rhyolite is massive or brecciated and along its contact with the surrounding black shales or BMLP, there is evidence of soft sediment emplacement including peperite and hyloclastite margins.

Regionally, government geologists have had difficulty defining a boundary between the uppermost unit of the Hazelton Group, the Salmon River Formation (SRF), and the overlying Bowser Lake Group. The boundary has been defined based on a number of different criteria which are only locally useful. However, recent work by Gangnon et al. is specifically looking at this stratigraphic boundary. Jean-Francois Gangnon worked from our 2006 field camp on the Del Norte property and believes that the SRF is present on the property. This was determined by the 1) presence of narrow felsic tuff intervals interbedded in black shales and siltstones, 2) visible angular feldspar crystals in some beds, and 3) the silica-cemented porcelain nature of many of the beds. These are features that are not common, or are explicitly absent in the BLG. In addition Jean- Francois Gangnon collected ammonite fossils for biostratigraphic dating and the results will determine definitively the age and association of the sedimentary rock that directly overly the Hazelton Volcanics on the Del Norte Property.

Bowser Lake Group

The boundary between the SRF and the BLG is not distinct, it is conformable and not marked by any distinct unit. However roughly 150 m upward in the sedimentary sequence the shales are much softer and not silica-cemented, they lack visible feldspar grains and felsic tuff intervals. This part of stratigraphy is the Bowser Lake Group. The beds are mainly composed of black shales, with minor intervals of sand and siltstone.

They have been interpreted to represent A-E turbidite sequences. The Bowser Lake Group occupies the entire eastern portion of the Del Norte Property.

Other Lithologies

On the westernmost part of the Del Norte property, in the Horatio claims, the topography is severe so systematic mapping was not conducted. In the locations of geophysical anomalies, which were traversed, a variety of lithologies were observed, including an abundance of limestone. In the Stikine Terrane, closely spaced wide ranging lithologies, and the presence of limestones, are most commonly associated with the Paleozoic Stikine Assemblage. This would be consistent with an eastward younging direction on the flank of a regional anticline beneath the Cambria Icefield. On this part of the property the rocks have undergone intense ductile deformation and are multiply folded. Lithologies include mafic to felsic flows, epiclastic and pyroclastic deposits, interbedded shales and coarse lithic sandstones, polylithic conglomerates, and limestone. In one location coral or stromatoporoid bioherm mounds are built above a debris flow composed of volcanic ash. The approximately 100 m thick limestone unit is composed of alternating bioherm growth, and coqueina beds that were then inundated by volcanic or sedimentary material, followed by renewed bioherm growth.

Structure

The stratum on the Del Norte property dip shallowly to steeply to the east except where disrupted by small scale folds. Rocks on the westernmost portions of the property have experience poly-phase folding and are structurally complex. They are part of the Stikine Assemblage which had experience deformation prior to and following, the deposition of the other younger units that are exposed on the property.

The geology of Greig et al (1994) implies that a broad and regionally important anticline runs approximately N-S through the Del Norte property. The anticline, although not explicitly placed on his map is represented by a core of older, Paleozoic Stikine Assemblage rocks, flanked by younger Triassic Stuhini Group and Jurassic Hazelton Group rocks. Other evidence for the presence of a broad anticline includes parallel tighter fold axes which are identified throughout the property, and which could be interpreted to be parasitic to the main fold axis. Due to the presence of numerous parasitic folds on the limbs of the anticline, dip directions are variable, however, on the western portion of the property beds generally dip and face moderately to steeply to the west; and in the east beds dip and face to the east. The eastern margin of the property is covered by Bowser Lake Group sedimentary rocks. The contact between these rocks and the underlying Hazelton Group rocks is complex and will be described in more detail below. A steep dipping N-NW striking

foliation is variably present on the property and is best observed in volcaniclastic lithologies. Stratigraphy on the property is offset, usually only by a few metres, by a number of fault sets, including: N-NW striking, moderately to shallowly dipping faults; NE striking steep faults; and less common E-W high angle faults. Each of these fault sets is associated with alteration, veining, dike emplacement, local foliations, and sometimes with mineralization. Kinematics are contradictory; it appears that most faults have components of strike-slip and dip-slip movement, both sinistral and dextral, and normal and reverse. Some of these faults are likely related to the tectonic boundary between the Hazelton Arc and the Bowser Basin, or to other major regional structures such as the Cambria Fault which lies to the west of the property.

Bowser Contact

The eastern margin of the Del Norte property has a distinct stratigraphy as well as a complex structural history. In the locations where the LG vein and LG vein extension showings have been field-checked and drilled, there is a contact between mainly felsic volcanics, and a mainly sedimentary debris flow deposit. While the beds in this part of the property are typically upright and east dipping, this contact also represents a highly deformed zone, which has an incipient foliation, tectonic breccias, mylonite zones, and evidence for poly-phase folding. As a result, in places, folding overturns the stratigraphy and coherent felsic volcanics structurally overly the debris-flow deposits which are stratigraphically higher. In addition, in close proximity to this stratigraphic boundary, there is a fault contact where the SRF and BLG sediments have been thrust westward onto the complexly folded strata just described. Mastalerz (2004) proposes that this tectonic zone represents an inverse reactivation along a normal-faulted boundary of the Bowser Basin. The deformation focused in this zone thus represents a long history including brittle and ductile deformation of extensional, compressional, and associated lateral characters.

Deposit Type

The “3 Oz” Vein could be classified as a shear/fault hosted mesothermal quartz vein. The NNW trending structural deformation zone corresponds to the Del Norte Tectonic Zone (DNTZ).

2007 Exploration Program

Prior to drilling Sabina completed a small prospecting program over the "3 Oz" Zone to help confirm the location and strike extension of the "3 Oz" Vein. The program located a 3 m wide exposure of quartz vein at the "3 Oz Vein" showing. The total thickness of the vein was obscured by overburden. Minor amounts of galena and pyrite (< 2% total) are disseminated throughout the vein (T. Barresi, 2007). This vein was the primary target for the 2007 drill program.

Following the prospecting program, nine NQ sized holes; SDN-07-01, 02, 03, 04, 05, 06, 07, 08 and SDN-07-09, were drilled to test the strike and dip of the "3 Oz" Vein.

Hole locations were spotted using a Garmin handheld GPS with coordinates in NAD 83, Zone 9. All drilling was completed by Mike French Diamond Drilling. Drill moves were preformed by a Hughs 500 helicopter, service was supplied by Prism Helicopters, Stewart BC, and later Northern Air Support, Kelowna BC. Core was flown from the drill site to the Meziadan highways camp facility where it was logged and samples. Core has been cross piled for short term storage behind the Meziadan highways camp. Several 12ft 2X4 planks have been attached vertically to the first and last cross pile for easy identification and protection during the winter months.

Drill Hole Geology

Intermediate Volcaniclastics

The intermediate volcanics at the "3 Oz" Vein showing consist of an alternating sequence of dacite and andesite tuffs. Contacts are gradational and for the most part extremely difficult to segregate. The dominate lithology consists primarily of light to dark green, medium grained dacite tuff.

Dacite Tuff (IV)

Dacite Tuff is characterized by abundant amounts of rounded to angular clasts ranging from silica rich to andesitic in composition and locally exhibits a moderate to strong sedimentary texture. Moderate amounts of quartz veining with localized intervals of stockwork veining occur in association with large dark smoky quartz clasts. Areas of veining and quartz flooding are accompanied by diffuse bleached halos. Overall silica

content is high. Strong bright orange oxidized iron carbonate alteration seems to be confined to joints and fractured surfaces. The dacite tuff host rock is strongly chloritized with minor albite + biotite alteration. Chlorite alteration occurs as both thin subparallel veinlets (ranging between 0.2 – 1 cm in width) as well as pervasive alteration throughout the rock. Chloritic alteration increases towards the "3 Oz" Zone. This rock type has undergone mild to moderate, localized ductile shearing and faulting. Mylonitic textures are periodically noted.

Andesite Tuff (IV)

Andesitic Tuff is medium to coarse grained and a dark greenish grey color, hosts abundant round to sub rounded, cm scale, feldspathic clasts often resulting in a porphyritic texture. Abundant quartz and quartz-carbonate veining is present throughout the andesitic host rock and veins are generally oriented parallel to sub-parallel to foliation. Veining in most instances is accompanied by a patchy dark green chlorite and bleaching. Locally, weak sedimentary textures are observed. Alteration consists of patchy to pervasive, dark green chlorite as well as mild albite and biotite alteration. Faulting and ductile shearing are locally noted.

Black Matrix Lapilli Tuff (BMLT)

Black Matrix Lapilli Tuff is the preferred host of the "3 Oz" Vein and is characterized by a fine-grained black pelitic sedimentary matrix hosting numerous millim to centim scale dacitic and andesitic lapilli's. Numerous intervals of intermediate volcanics occur within the unit. Locally, quartz and carbonate veining is strongly developed throughout the black matrix lapilli tuff. Veins are discontinuous with many exhibiting either a colloform and/or brecciated texture. Locally, quartz veining makes up ~ 40% of the overall rock composition (notably less quartz in comparison to SDN-06-02, 03 and 04). Intense shearing and faulting is associated with this rock unit. Thin graphitic layers are noted on the surfaces of joints. Numerous smooth slickenslides are also noted.

Metasediments

Black Shale (BS)

Black Shale is fine to medium grained, pelitic rock with minor to moderate amounts of patchy chlorite and carbonate alteration. The unit contains numerous angular to sub angular volcanic, quartz and large

sedimentary clasts. Volcanic clasts range between 0.5 to 2 cm in diameter and are predominantly dacitic in composition with occasional andesitic clasts. Sedimentary clasts range from 0.5 to 3.5 cm in diameter, some exhibit internal bedding while others are composed of a soft black argillaceous material, possibly representative of rip-up clasts. Stockwork quartz veining occurs locally. A few small scale siltstone and greywacke interbeds occur sporadically.

Greywacke (GW)

Greywacke is characterized as a medium to coarse grained light to medium grey rock, and often occurs as a subunit with in black shale. Strong to moderate planar bedding with occasional convoluted bedding's noted. Sulphides occur in trace amounts consisting primarily of fine grained blebs and veinlets of pyrite.

Drill Hole Mineralization

Mineralization in the dacite tuff is generally weak consisting of trace to 1% subhedral to anhedral, disseminated, fine to medium grained pyrite and pyrrhotite as well as fine grained, acicular arsenopyrite noted only in close proximity of the "3 Oz" Zone.

Andesite tuff mineralization is very similar to that seen in dacite tuff rock, being generally weak consisting of trace to1% subhedral to anhedral, disseminated, fine to medium grained pyrite and pyrrhotite as well as fine grained, acicular arsenopyrite noted only in close proximity of the "3 Oz" Zone.

Mineralization in the Black Matrix lapilli Tuff is moderate ranging from 0.5% to 4% sulphides consisting dominantly of fine grained and acicular arsenopyrite ranging between trace to 3.5%, 0.5% to 4% disseminated and stringer pyrite, trace fine grained wispy chalcopyrite and trace galena.

The "3 Oz" Vein mineralization is hosted in a tabular shear/breccia system situated along a sedimentary/volcanic contact (Figure 8 and 9). The "3 Oz" Vein gold showing strikes to the NNW and dips steeply to the south west at 62°. The system hosts abundant quartz veins cemented as a breccia (Figure 10 and 11) within the argillaceous sediments of the Bowser Group. The "3 Oz" Vein lies within a larger hydrothermal alteration zone characterized by moderate to strong silicification, argillization and chloritization

Mineralization in the black shale is generally totals trace to 0.5% consisting of fine grained, finely disseminated pyrite with trace amounts of pyrrhotite.

Greywacke hosted only trace amounts of dark purple sphalerite, which occurs in association with quartz carbonate veining.

Holes drill in 2006 intersected comparatively more quartz and hosted more sulphides then those drilled in 2007. Sabina's 2006 and 2007 drill results suggest that mineralization diminishes along strike to the NNW and to the SSE. Mineralization is not confined strictly to the "3 Oz" Vein and locally extends into the hanging wall 112 m, a considerable distance. Mineralization in the hanging wall consists primarily of acicular arsenopyrite hosted with in the matrix of a dacitic or andesitic tuff. Trace sphalerite was also noted, usually with localized quartz veining. These findings are consistent with the 2006 drill program. Mineralization below the "3 Oz" Vein ended abruptly.

Figure 8 - 2007 Drill Core - "3 Oz" Vein in SDN-07-06.

Figure 9 - 2007 Drill Core - "3 Oz" Vein in SDN-07-06.

Figure 10 - 2007 Drill Core - Quartz vein cemented in gouge from SDN-07-04.

Figure 11 - 2006 Drill Core – Quartz cemented as a breccia from SDN-06-03.

Drilling

The original drill program plan was to drill three fans consisting of three holes each drilled at an azimuth of 61° with dips ranging between -45° to -90° for a total of 1,600 m.

Holes drilled in 2007 were drilled on three section lines, as shown in figure 7. Section lines are spaced 50 m apart. Holes SDN-07-01, 02 and 03 were drilled on section line 1004N from one drill pad set-up. Section line 1004N is 50 m Grid North of where the 2006 drill holes intersected the “3 Oz” Vein. SDN-07-04, 05, 06 and 07 were drilled from one drill pad set-up on section line 1002N. This section is located 50 m south of where the 2006 drill holes intersected the “3 Oz” Vein. SDN-07-08 and 09 were drilled from one set-up on section line 1005N located 100 m north of where the 2006 drilling intersected the “3 Oz” Vein (Figure 7).

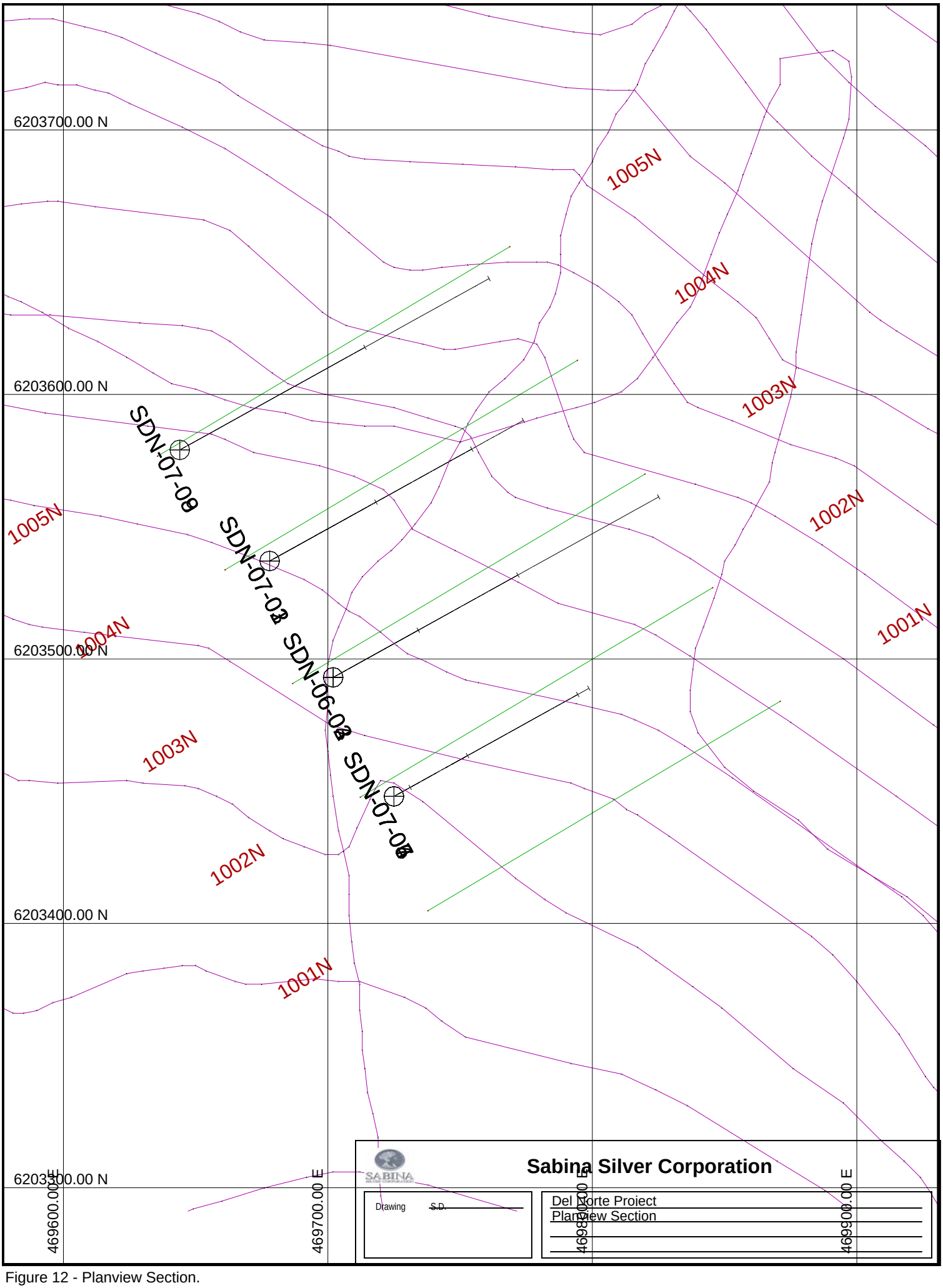


Figure 12 - Planview Section.

This summary presents the result of the 2007 drilling program. Table 6 lists diamond drill hole particulars.

Table 6: Diamond Drill Hole Summary - Del Norte 2007

Hole_ID	Northing	Easting	Elevation (m)	Dip	Azimuth	Depth (m)
SND-07-01	6203537	469678	901	-45	61	160.05
SND-07-02	6203537	469678	901	-62	61	178.65
SND-07-03	6203537	469678	901	-82	61	194.80
SDN-07-04	6203448	469725	861	-45	61	119.20
SDN-07-05	6203448	469725	861	-62	61	161.60
SDN-07-06	6203448	469725	861	-82	61	218.00
SDN-07-07	6203448	469725	861	-90	61	215.50
SDN-07-08	6203579	469644	925	-45	61	178.35
SDN-07-09	6203579	469644	925	-62	61	174.10

2007 Diamond Drill Hole Results

Section Line 1004N

Holes drilled on section line 1004N were designed to test the "3 Oz" Vein structure 50 m along strike to the NNW of the holes drilled in 2006 on section line 1003N.

Below is a summary of significant intersects from SDN-07-01, 02, and 03 drilled off the same set-up on section line 1004N.

Table 7: Significant Intercepts from holes drilled on Section \ Line 1004N.

Hole_ID	Zone	From (m)	To (m)	Interval (m)	Au g/t	Ag g/t	Factor
SDN-07-01	1	86.20	97.90	11.70	0.58	0.42	0.97
SDN-07-01	1a	89.95	92.15	2.20	0.86	0.00	
SDN-07-01	2	111.90	119.35	7.45	1.59	0.00	
SDN-07-01	3	124.80	141.70	16.90	0.86	0.64	
SDN-07-01	3a	129.90	132.60	2.70	1.45	1.81	
SDN-07-02	1	89.50	97.95	8.45	0.88	0.00	0.81
SDN-07-02	2	104.80	105.90	1.10	2.51	0.00	
SDN-07-02	3	118.25	125.00	6.75	1.95	3.59	
SDN-07-02	3a	118.25	121.15	2.90	3.66	8.34	
SDN-07-02	4	131.00	160.80	29.8	1.01	0.45	
SDN-07-02	4a	132.20	135.60	3.40	2.46	0.00	
SDN-07-02	4b	156.30	158.95	2.65	1.20	2.38	
SDN-07-03	1	142.70	150.75	8.05	0.55	0.00	0.45
SDN-07-03	2	154.45	158.10	3.65	0.99	0.00	
SDN-07-03	3	178.95	180.65	1.70	1.75	4.50	
SDN-07-03	4	192.00	192.95	0.95	0.59	0.00	
SDN-07-03	5	198.25	198.75	0.50	1.83	0.00	
SDN-07-03	6	205.55	210.70	5.15	1.09	0.00	
SDN-07-03	7	224.05	227.95	3.90	4.25	7.12	
SDN-07-03	7a	226.15	227.05	0.90	6.75	9.00	
SDN-07-03	8	240.55	252.85	12.3	1.03	228.46	
SDN-07-03	8a	245.15	251.65	6.50	1.24	432.31	
SDN-07-03	8a(i)	245.15	246.15	1.00	1.23	2810.00	

SDN-07-01

SDN-07-01 was drilled to test the Northern strike extension of the “3 Oz” Vein. It is the shallowest (-45°) of a three hole fan drilled off the same set-up situated on section line 1004N. Intermediate volcanics were intersected to a depth of 124.80 m. This unit hosts several small black shale units as well as a number of large faults. Sulphides total ~ 1-2% and consist of acicular and blebby aspy and fine grained, disseminated py. A 17.60 m interval of black matrix lapilli tuff unit underlies the intermediate volcanic and was intersected to a depth of 142.40 m. This unit represents the “3 Oz” Zone and hosts two strongly fractured mineralized zones. The first is a quartz-rich interval intersected between 129.90 to 132.60 m which returned assay values of 1.45g/t gold over 2.7 m. This interval is characterized by major amounts of fault gouge and

numerous discontinuous quartz and stockwork quartz carbonate veinlets. The second is a well defined 2.3 m wide quartz vein intersected between 137.00 to 139.30 m, which returned gold values below 1.06 g/t. The vein hosts fine grained, disseminated pyrite and trace arsenopyrite. The "3 Oz" Zone assayed at 0.86g/t gold over a 16.90 m interval. This hole was shut down in a coarse grained, porphyritic andesite unit at 160.05 m.

SDN-07-02

Hole SDN-07-02 was drilled as a step out hole to test the down dip extension of the "3 Oz" Vein and to test the strike extent of the mineralization found in holes SDN-06-02 and SDN-06-03. The first 132.20 m is dominated by intermediate volcaniclastics predominantly consisting of fine to medium grained, light grey dacite tuff with occasional intervals and dark green, medium grained andesite. This hole intersected two major faults both of which are composed of numerous small faulted and highly fractured zones. Py mineralization is noted locally throughout with concentrations around quartz veins. Arsenopyrite mineralization was first noted at 87.70 m depth and increases in concentration with depth. Black matrix lapilli tuff occurs from 132.30 to 162.70 m with numerous small intervals of up to 3% sulphides consisting of euhedral arsenopyrite and finely disseminated py. The "3 Oz" Zone assayed at 1.01g/t gold over 29.80 m. A well defined 0.90 m wide quartz vein was intersected between 158.95 to 159.85 m and assayed 0.83g/t. The hole was shut down at 178.65 m in barren intermediate volcanics.

SDN-07-03

SDN-07-03 was drilled to test the down dip extension of the "3 Oz" Vein. Intermediate volcanics were intersected to a depth of 215.85 m and exhibited moderate to strong, localized silica flooding. A weakly mineralized arsenopyrite rich zone was intersected between 141.70 and 215.85 m. This zone consisted of trace to 1% arsenopyrite and trace amounts of fine grained, finely disseminated pyrite. Higher concentrations of arsenopyrite are associated with bleached intervals. The 44.25 m wide "3 Oz" Zone was intersected at a depth of 215.85 m. This interval is thought to be representative of the "3 Oz" Zone. The interval contained ~ 0.5 to 1% sulphides with several small localized sub intervals with percentages as high as 2%. The "3 Oz" Zone hosted two anomalously mineralized intervals which assayed at 4.25g/t gold over 3.90 m and 1.03g/t over 12.3 m, both of which are associated with quartz flooding/veining, strong faulting and arsenopyrite. From 246.10 and 249.85 m a 6.50 m dacitic interval averaged 1.24g/t gold. The "3 Oz" Vein was not definable in this hole, however, several quartz rich intervals could possibly represent a more amorphous vein at depth. A mixed volcanic and sedimentary conglomerate was encountered beneath the "3 Oz" Zone to a depth of 286.90 m. This unit hosts trace amounts of sulphides consisting primarily of fine grained, disseminated pyrite with trace fine grained sphalerite and fuchsite. A greywacke unit hosting

several small black shale interbeds was intersected at 286.90 m and continued through to a final depth of 294.80 m.

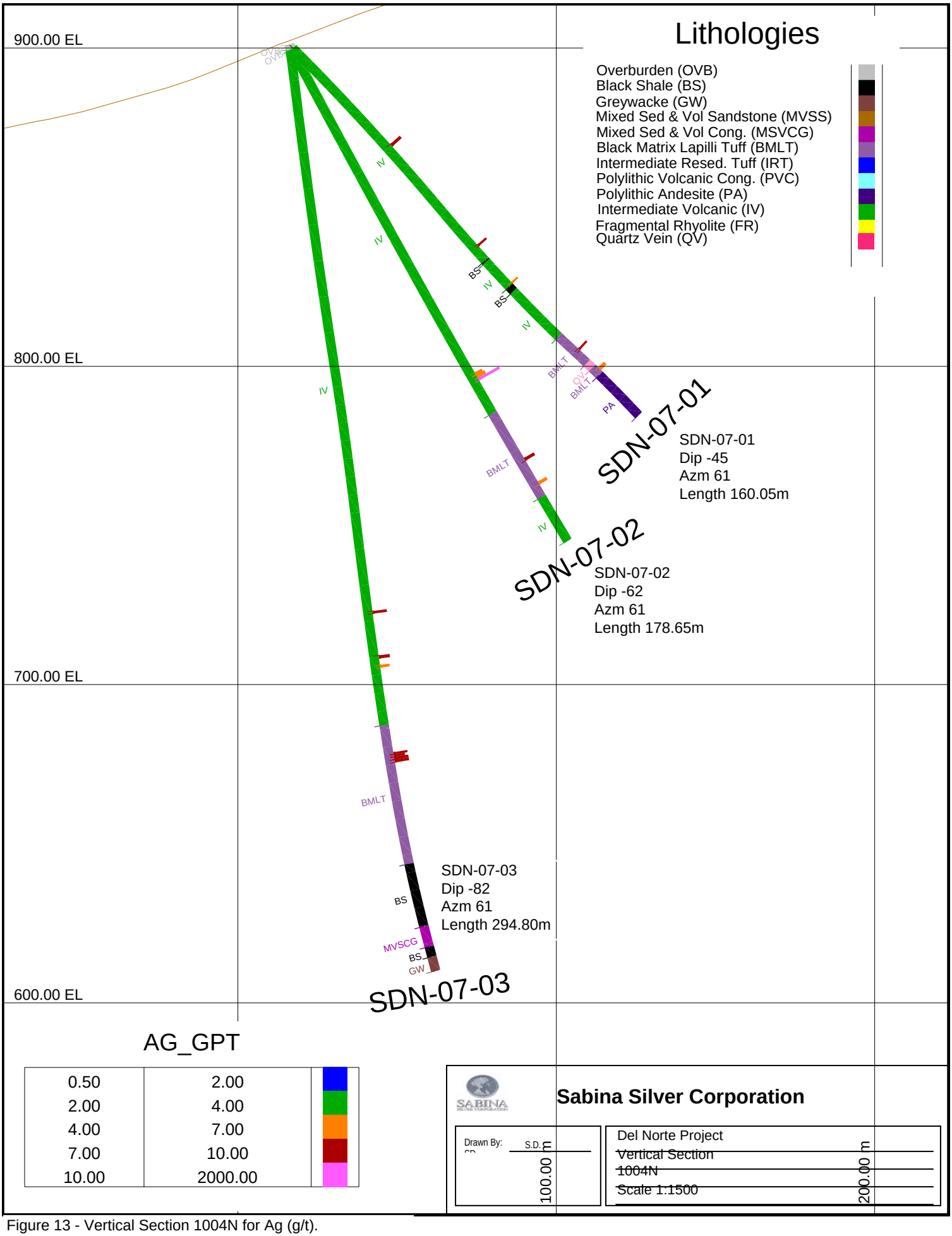


Figure 13 - Vertical Section 1004N for Ag (g/t).

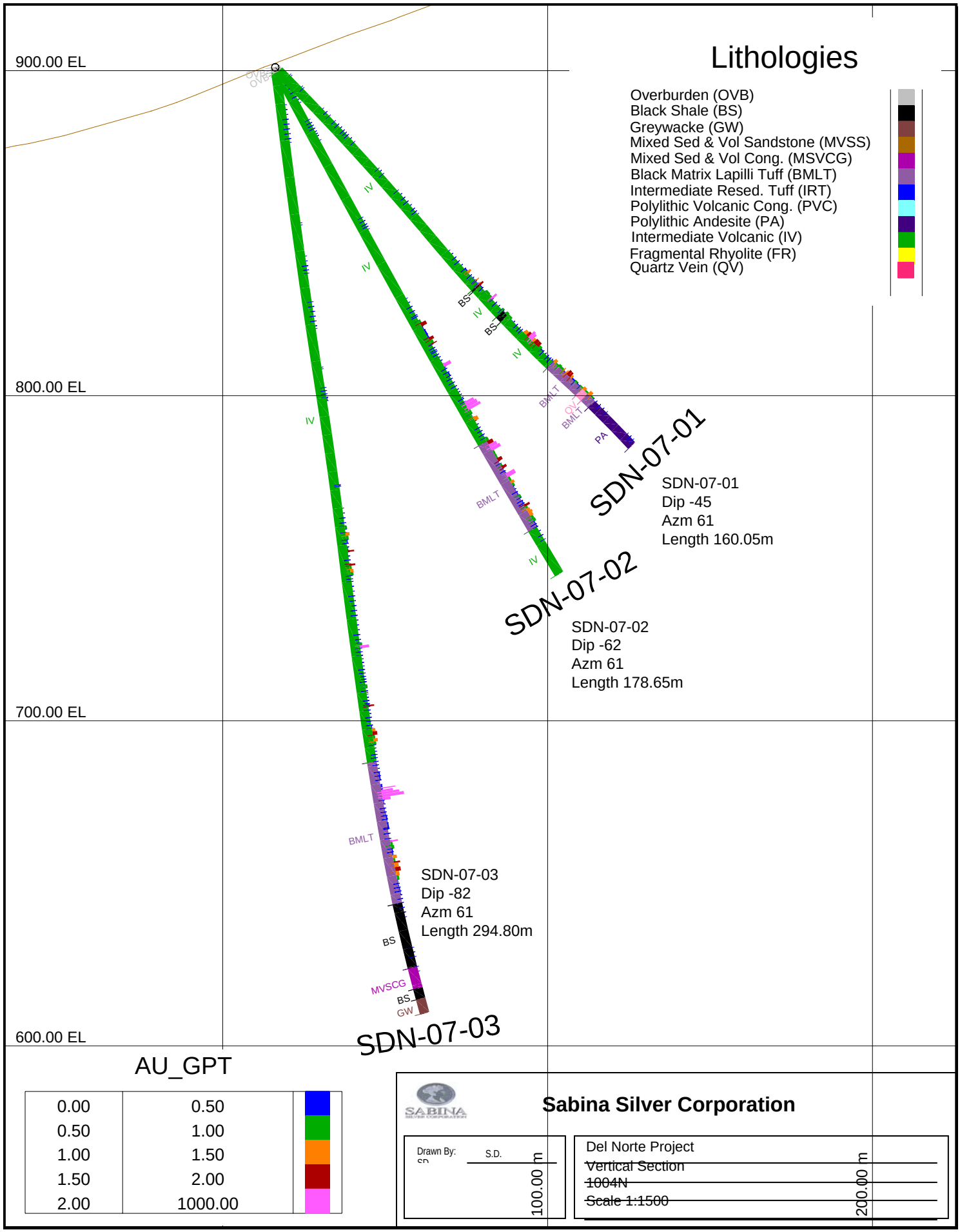


Figure 14 - Vertical Section 1004N for Au (g/t).

Section Line 1002N

Holes drilled on section line 1002N were designed to test the "3 Oz" Vein structure 50 m along strike to the SSE of the holes drilled in 2006 on section line 1003N.

Below is a summary of significant intersects from SDN-07-04, 05, 06 and 07 drilled off the same set-up on section line 1002N.

Table 8 Significant Intercepts from holes drilled on Section Line 1002N

Hole_ID	Zone	From (m)	To (m)	Interval (m)	Au g/t	Ag g/t	Factor
SDN-07-04	1	100.65	102.00	1.35	0.58	6.00	0.93
SDN-07-05	1	98.95	100.95	2.00	1.37	0.00	0.74
SDN-07-05	1a	98.95	99.50	0.55	3.10	0.00	
SDN-07-05	2	104.35	123.65	19.3	1.70	12.41	
SDN-07-05	2a	104.35	105.45	1.10	2.08	0.00	
SDN-07-05	2b	107.30	112.90	5.60	2.46	1.79	
SDN-07-05	2c	115.30	122.50	7.20	2.06	31.24	
SDN-07-06	1	94.20	94.75	0.55	0.91	0.00	0.42
SDN-07-06	2	135.90	141.30	5.40	0.72	11.85	
SDN-07-06	2a	138.70	139.55	0.85	1.64	5.00	
SDn-07-06	3	144.30	146.00	1.70	0.84	0.00	
SDN-07-06	4	151.30	156.55	5.25	1.45	2.19	
SDN-07-06	4a	151.30	153.60	2.30	2.48	5.00	
SDN-07-06	5	163.20	164.05	0.85	0.59	0.00	
SDN-07-06	6	172.75	173.60	0.85	0.61	7.00	
SDN-07-06	7	177.40	190.00	12.6	1.33	8.64	
SDN-07-06	7a	179.40	181.25	1.85	1.29	0.00	
SDN-07-06	7b	183.45	185.75	2.30	4.15	30.98	
SDN-07-07	1	153.20	153.80	0.60	0.99	9.00	0.26
SDN-07-07	2	158.20	160.65	2.45	1.49	14.90	
SDN-07-07	2a	159.15	160.65	1.50	1.95	18.63	
SDN-07-07	3	205.65	206.20	0.55	0.55	6.00	

SDN-07-04

Hole SDN-07-04 was drilled to test the strike and down dip extension of the "3 Oz" Vein and follow-up on results obtained during Sabina's 2006 drill program (SDN-06-02, SDN-06-03 and SDN-06-04). Intermediate volcanic was intersected to a depth of 107.75 m, with one major fault noted within the unit. Sedimentary textures increased with depth with thin black matrix lapilli tuff intervals occurring more frequently as the "3 Oz" Zone was approached. An 11.05 m wide "3 Oz" Zone was intersected at 96.70 m. The zone lacked the concentrated quartz veining and hosted significantly more volcanics then observed in previous holes (SDN-07-01, 02, and 03). The "3 Oz" Vein was not intersected, however similarly to SDN-07-03, several quartz rich intervals were intersected and could possibly represent the vein at depth. One interval, found at 100.65 m within the black matrix lapilli tuff "3 Oz" Zone, assayed 0.58g/t gold over 1.35 m. Mineralization throughout the hole was notably less than previously observed with no defined arsenopyrite rich interval above the "3 Oz" Zone and only trace arsenopyrite observed within the "3 Oz" Zone. The hole was stopped at a depth of 119.20 m in porphyritic andesite.

SDN-07-05

Hole SDN-07-05 was drilled to test the down dip extension of the "3 Oz" Vein. The first 102.40m intersected intermediate volcanics locally exhibiting sedimentary textures. Unlike in previous holes, no well defined fault zones were identified. A 27.6 m wide arsenopyrite rich interval was intersected at 74.80 m, just above the "3 Oz" Zone. The "3 Oz" Zone occurs between 102.40 and 132.55 m. The "3 Oz" Zone assayed 1.70g/t gold over 19.30 m and hosts numerous small higher grade subzones The "3 Oz" Vein was not identifiable, however the zone does host abundant brecciated quartz fragments as well as several small strongly fractured quartz rich intervals. Sulphide mineralization occurs in trace amounts consisting of mostly fine grained, finely disseminated pyrite with some arsenopyrite and sphalerite noted. Below the "3 Oz" Zone a mixture of intermediate volcanics and black shale were intersected to a depth of 159.50 m, both of which lack any significant mineralization (trace amounts of fine grained pyrite). A second 1.9 m wide black matrix lapilli tuff is intersected to a depth of 161.40 m followed by a 20cm interval of dacite tuff which may or may not be a sub-unit within a larger black matrix lapilli tuff unit. Sulphide mineralization within this interval occurs in trace amounts consisting of fine grained, finely disseminated pyrite and arsenopyrite. The hole was stopped at a vertical depth of 161.60 m in a dacite tuff unit. SDN-07-05 returned anomalous gold and silver values, 3.10 g/t Au over 0.55 m and 31.34g/t Ag over 7.20 m.

SDN-07-06

Hole SDN-07-06 intersected a thick sequence of intermediate volcanics and black shale to a depth of 139.55 m. Underlying this unit, a thick sequence of alternating intermediate volcanic and black matrix lapilli tuff was intersected to a final depth of 218.00 m. A 2.30m arsenopyrite bearing interval was intersected at 132.60 m consisting of acicular arsenopyrite ranging from trace to 0.5%. Arsenopyrite is noted in intermediate volcanics, black shale and black matrix lapilli tuff units. A 1.10 m wide quartz vein was intersected at 137.60 m which hosts ~ 0.5% arsenopyrite and trace pyrite and sphalerite. The "3 Oz" Zone was intersected at 167.10 m and hosted two quartz veins. The first is a 2.95 m quartz vein intersected at 178.00 m hosting 0.5% arsenopyrite and trace amounts of pyrite and the second is a 1.2 m quartz vein intersected at 184.5 m hosting trace amounts of arsenopyrite and pyrite. The vein returned a value of 4.14 g/t Au over 2.30 m and 30.98 g/t Ag over 2.30 m. Overall sulphides present in the "3 Oz" Zone averages approximately 0.5% and consist of 0.5% arsenopyrite and trace amounts of pyrite, galena and sphalerite. The hole was shut down in strongly fractured black matrix lapilli tuff, thought to still represent the "3 Oz" zone. The zone was not fully tested. The hole was lost at a depth of ~218.00 m as a result of poor ground conditions.

SDN-07-07

Hole SDN-07-07 was drilled to test the down dip extension of the "3 Oz" Vein. It was drilled to test an possible widening of the "3 Oz" Zone observe in SDN-07-06 as well as to locate the black matrix lapilli tuff unit which has yet to be identified with any certainty off this set up. A thick 155.80 m intermediate volcanic unit was intersected to a depth of 158.20 m. This unit consisted of a sequence of dacitic and andesitic tuff both of which exhibited a weak sedimentary textures and strong ductile shearing. The "3 Oz" Zone was intersected between 158.20 and 186.95 m. Overall this zone contained trace to 1% acicular arsenopyrite and fine grained pyrite, with the greatest concentration associated with a 2.45 m wide quartz vein intersected at a depth of 158.20 m. The vein returned a value of 1.95 g/t Au over 1.50m and 18.63 g/t Ag over 1.50 m. Intermediate volcanics were intersected again at a depth of 186.95 m and continued through to a depth of 201.75 m. This unit hosted several large black shale intervals. A second, 14.00 m, more intensely faulted interval of black matrix lapilli tuff was intersected to a final depth of 215.50 m. There is a substantial volcanic component within this lower black matrix lapilli tuff unit with little to no competent core. The hole was stopped early as a result of mechanical problems with the drill in combination with poor ground conditions.

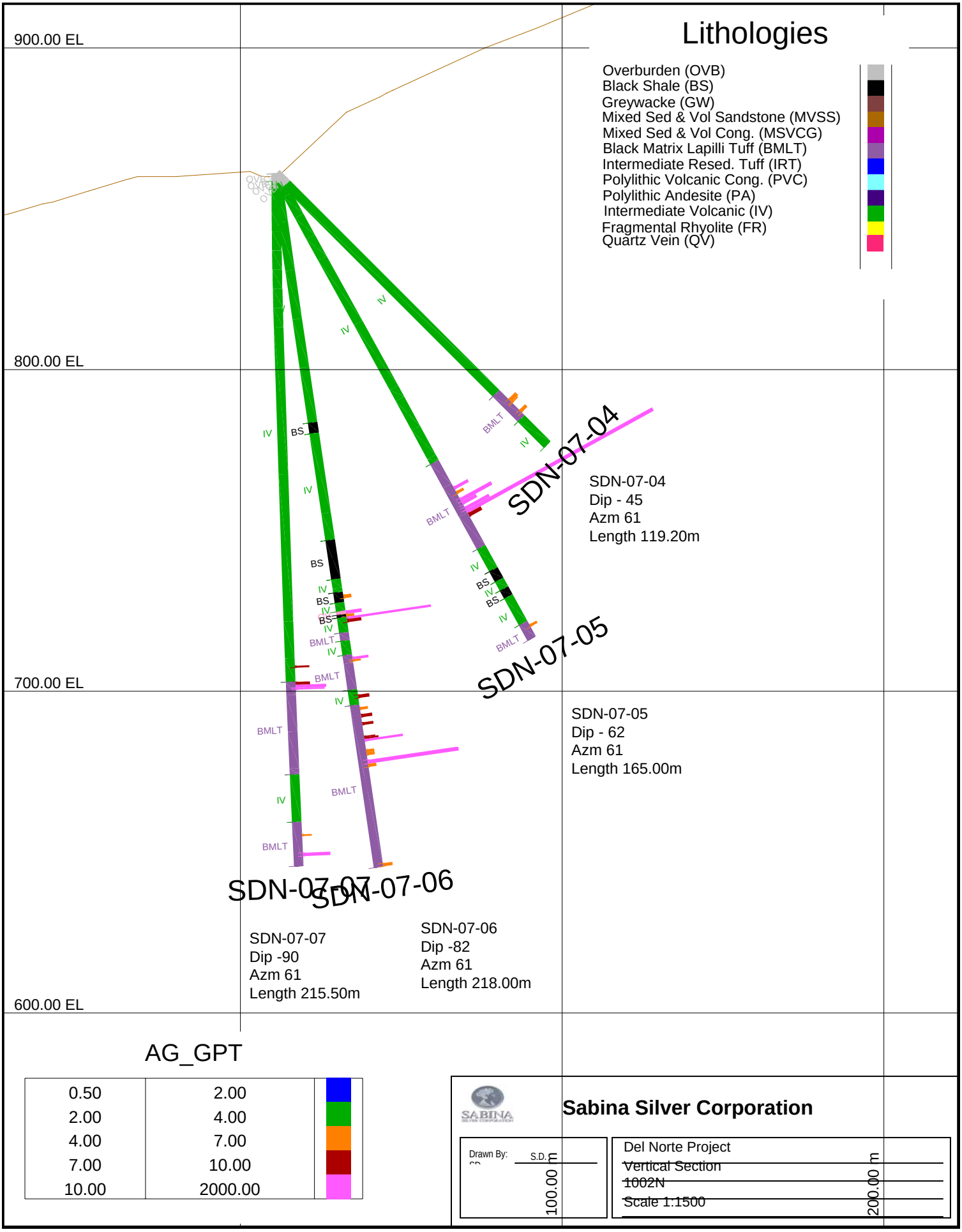


Figure 15 - Vertical Section 1002N for Ag (g/t).

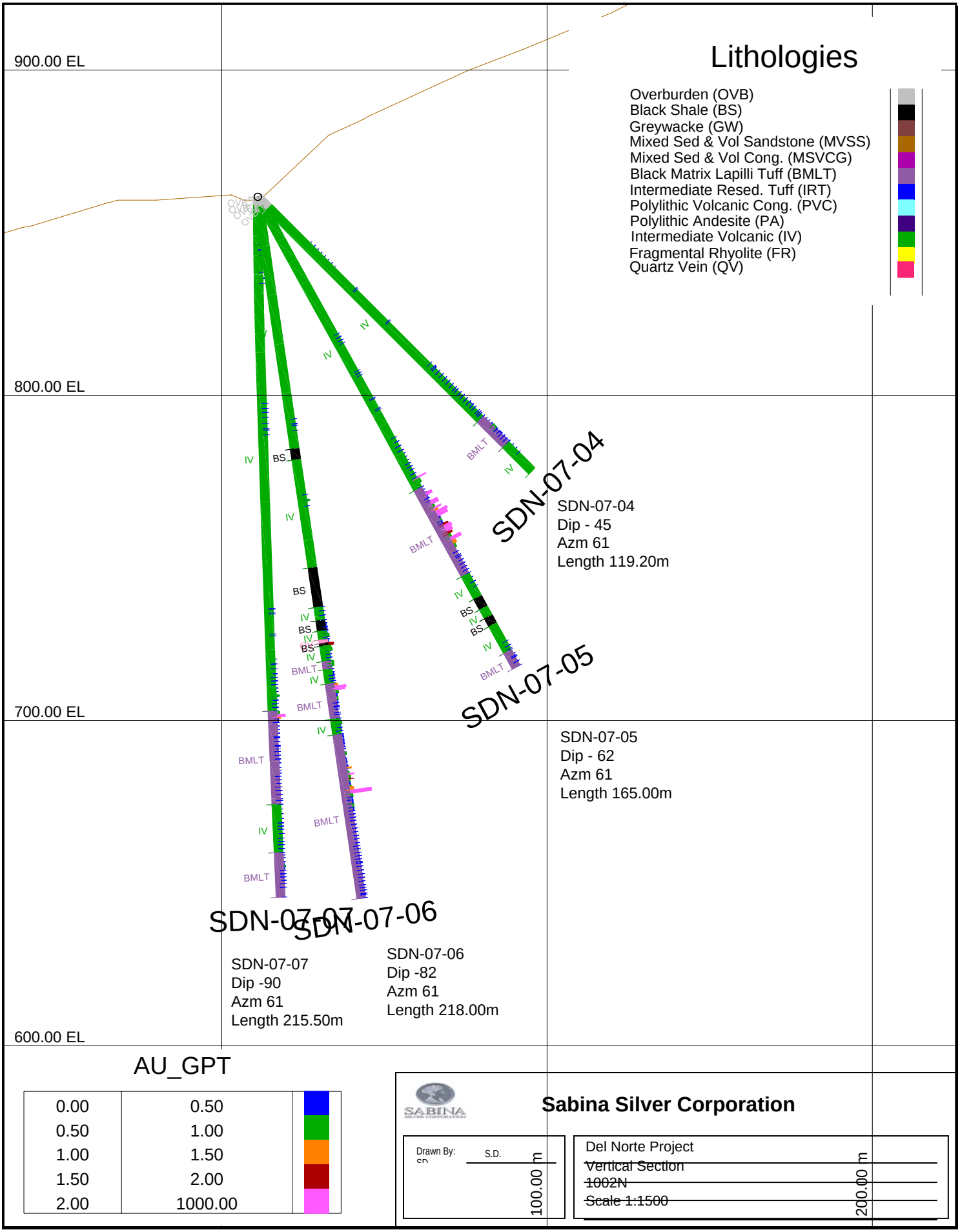


Figure 16 - Vertical Section 1002N for Au (g/t).

Section Line 1005N

Holes drilled on section line 1005N were designed to test the "3 Oz" Vein structure 100 m along strike to the NNW of the holes drilled in 2006 on section lone 1003N.

Below is a summary of significant intersects from SDN-07-08 and 09 drilled off the same set-up on section line 1005N.

Table 9 Significant Intercepts from holes drilled on Section Line 1005N

Hole_ID	Zone	From (m)	To (m)	Interval (m)	Au g/t	Ag g/t	Factor
SDN-07-08	1	97.90	101.50	3.60	1.73	0.00	0.94
SDN-07-08	1a	99.65	101.50	1.85	2.94	0.00	
SDN-07-08	2	109.90	112.00	2.10	1.63	0.00	
SDN-07-08	3	133.75	134.10	0.35	1.53	0.00	
SDN-07-08	4	146.30	153.80	7.50	0.70	0.63	
SDN-07-08	4a	152.95	153.80	0.85	2.26	0.00	
SDN-07-09	1	106.70	108.95	2.25	1.65	0.00	0.81
SDN-07-09	2	147.95	150.10	2.15	0.95	4.28	
SDN-07-09	3	170.45	173.60	3.15	0.81	0.00	

SDN-07-08

Hole SDN-07-08 intersected intermediate volcanics with alternating dacitic and andesitic intervals both of which exhibit weak sedimentary textures to 97.90 m. A large fault zone was intersected between 97.90 and 113.00 m which hosted weak arsenopyrite mineralization ranging from trace to 0.5% overall. Intermediate volcanics hosting trace amounts of arsenopyrite were intersected again to a depth of 136.40 m. The "3 Oz" Zone was intersected between 136.40 and 151.15 m and contained ~ 1% pyrite consisting primarily as small blebs and trace amounts of acicular arsenopyrite and trace sphalerite. Quartz is common, however is not as substantial as seen in previous holes. The "3 Oz" Vein was not identified. A 27.20 m wide intermediate volcanic unit consisting of porphyritic andesite and andesitic tuff was intersected to a final depth of 178.35 m. It hosted a 2.60 m arsenopyrite rich interval between 151.15 and 153.75 m. The faulting and ductile shearing noted in other holes are largely absent in this hole. Mineralized intervals are noticeably fewer. Hole SDN-07-08 ended in an intermediate volcanic at a depth of 178.35 m.

SDN-07-09

Hole SDN-07-09 intersected intermediate volcanics to a depth of 158.15 m. This unit is comprised of a thick sequence of andesitic and dacitic tuffs and hosts a weakly sulphidized zone between 90.90 and 158.15 m which is characterized by trace amounts of fine grained, acicular arsenopyrite. A 5.10 m wide interval, possibly representing the “3 Oz” Zone, was intersected to a depth of 163.25 m. The zone lacked significant quartz veining and hosted trace amounts of fine grained pyrite and arsenopyrite. The “3 Oz” Vein was not identified. An Intermediate volcanic unit underlies the black matrix lapilli tuff unit and was intersected to a final depth of 174.10 m.

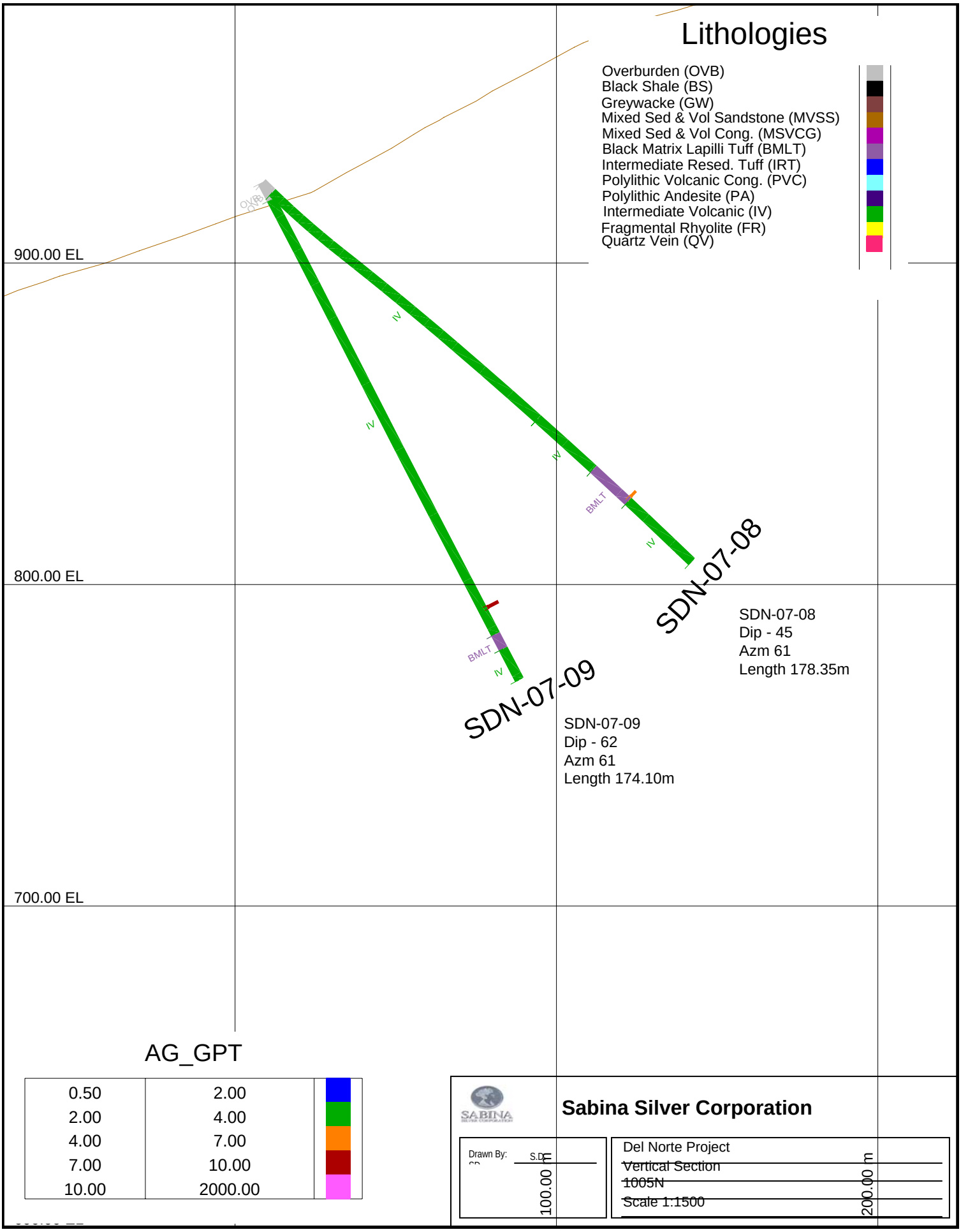


Figure 17 - Vertical Section 1005N for Ag (g/t).

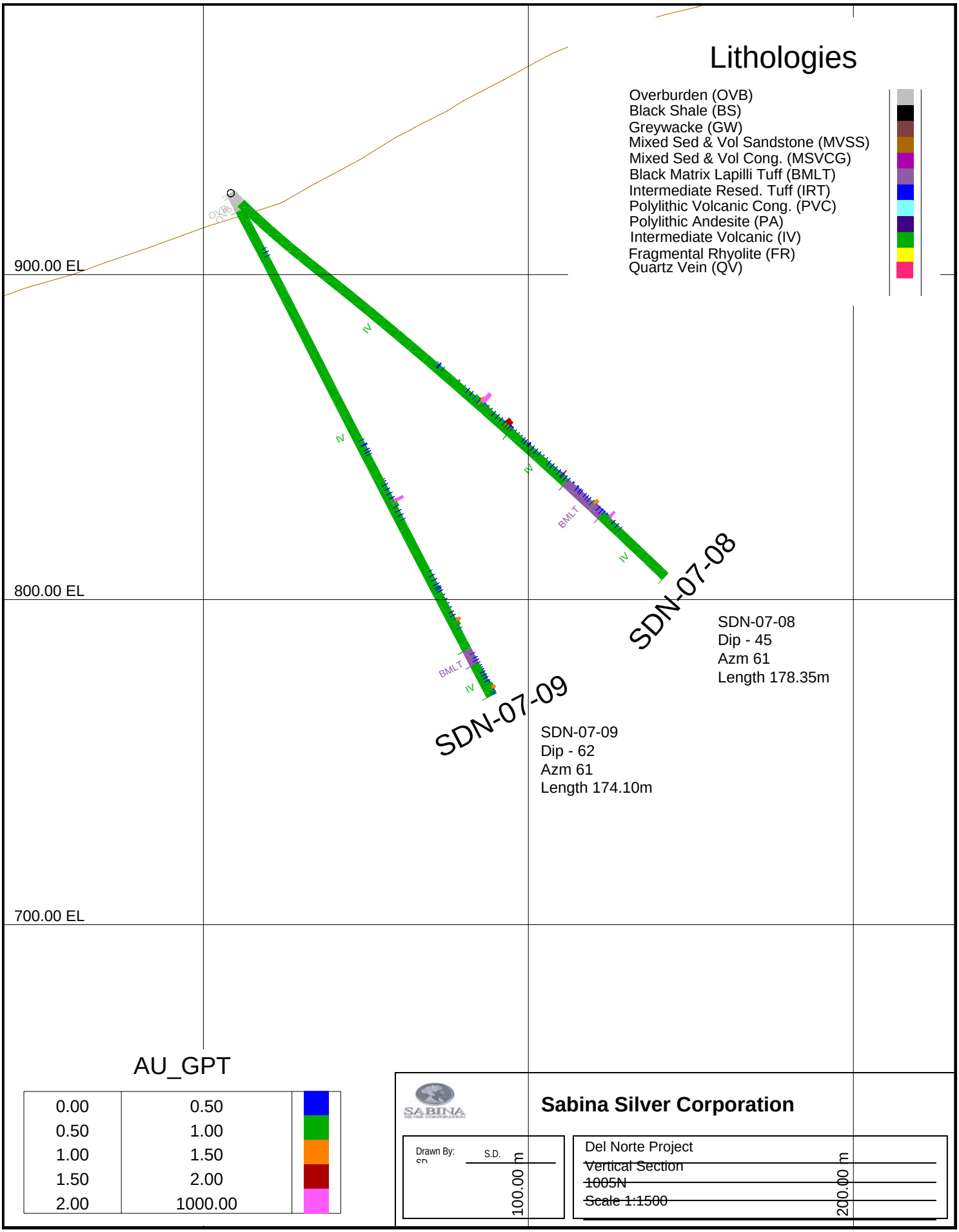


Figure 18 - Vertical Section 1005N for Au (g/t).

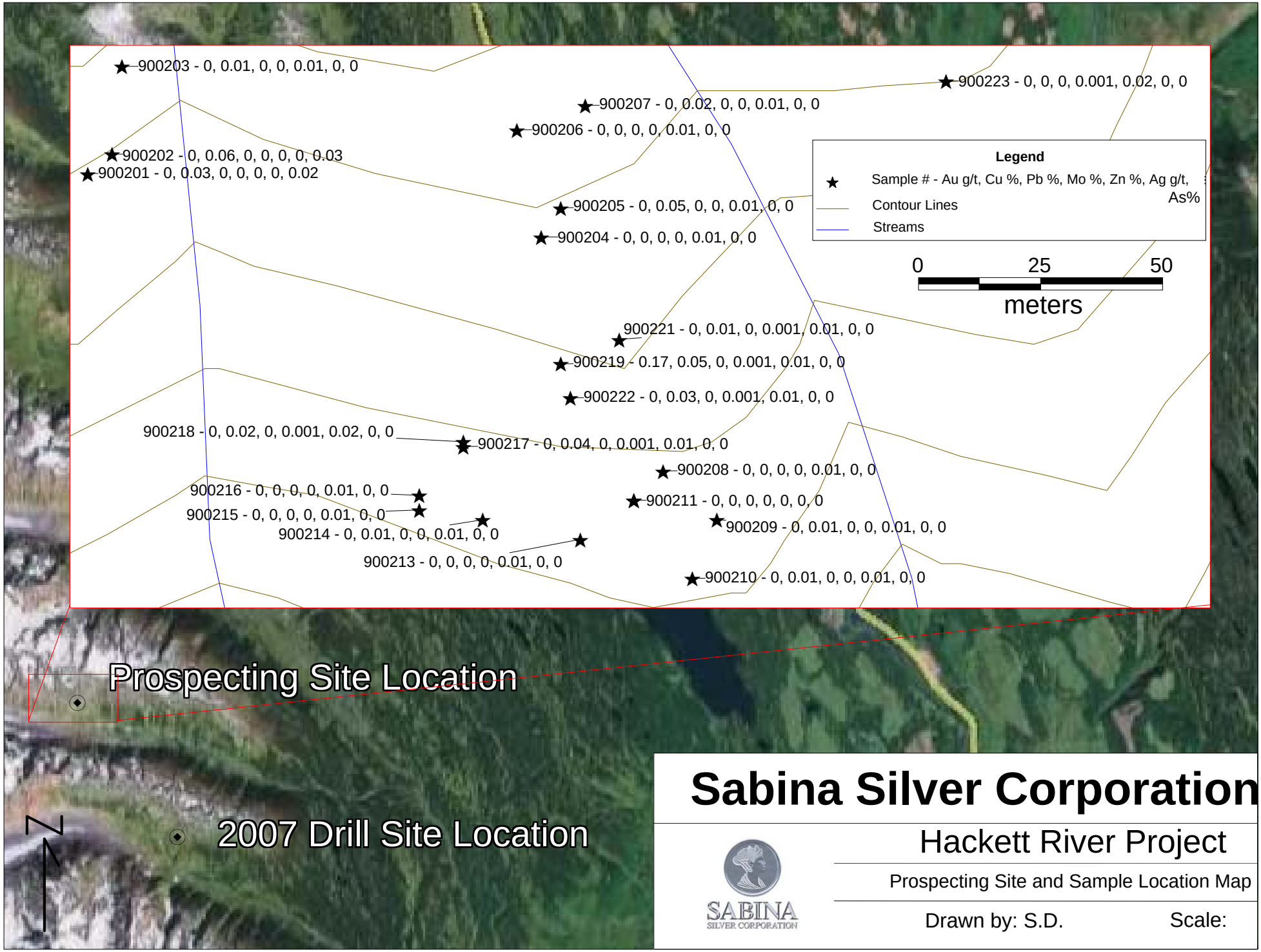
Prospecting Program

On August 4th 2007, Sabina conducted a one day prospecting program to investigate a weak AeroTEM II Electromagnetic and Magnetic anomaly which was identified in January 2006 by Aeroquest Limited, Milton, ON. The program was conducted by John Ryan, junior geologist, and Cal Denbam, geotechnician.

The geophysical target is situated on steep terrain with moderate to heavy ground cover consisting of small brush and grasses, with little to moderate outcrop exposure.

Rock samples were gathered from a variety of locations centered near 467281E and 6206991N, at approximately 980 m elevation. The rock samples were taken from intermediate tuffs hosting minor amounts of sulphides. Sulphides consisted of trace amounts of fine grained. Disseminated pyrite, sphalerite and pyrrhotite occurring primarily along joint surfaces. No significant quartz veining was noted. In total, 22 rock samples were collected from in and around the anomaly. Figure 18 shows the locations of the rock samples.

Figure 19 - Prospecting Site and Sample Location Map.



Sabina Silver Corporation

Hackett River Project

Prospecting Site and Sample Location Map

Drawn by: S.D. Scale:

While it remains unclear what the source of the electromagnetic and magnetic anomaly is the location targeted during the prospecting was the sole location where any gossanous staining was encountered suggesting the area is of little economic importance. A single blank and duplicate were inserted for quality control. The assay results returned trace values for base and precious metals (Table 10).

The source of electromagnetic anomaly targeted by prospecting remains unexplained however outcrops near the anomaly are not encouraging. Outcrops near the geophysical target have been thoroughly prospected. No further work prospecting of this site is recommended.

Table 10. 2007 Prospecting Grab Sample Assay Results

Sample #	Sample Type	Au (g/t)	Cu (%)	Pb (%)	Zn (%)	Ag (g/t)
900201	Grab	0	0.03	0	0	0
900202	Grab	0	0.06	0	0	0
900203	Grab	0	0.01	0	0.01	0
900204	Grab	0	0	0	0.01	0
900205	Grab	0	0.05	0	0.01	0
900206	Grab	0	0	0	0.01	0
900207	Grab	0	0.02	0	0.01	0
900208	Grab	0	0	0	0.01	0
900209	Grab	0	0.01	0	0.01	0
900210	Grab	0	0.01	0	0.01	0
900211	Grab	0	0	0	0	0
900212	Grab	0	0.08	0	0.01	0
900213	Grab	0	0	0	0.01	0
900214	Grab	0	0.01	0	0.01	0
900215	Grab	0	0	0	0.01	0
900216	Grab	0	0	0	0.01	0
900217	Grab	0	0.04	0	0.01	0
900218	Grab	0	0.02	0	0.02	0
900219	Grab	0.17	0.05	0	0.01	0
900220	Blank	0	0	0	0.01	0
900221	Grab	0	0.01	0	0.01	0
900222	Grab	0	0.03	0	0.01	0
900223	Grab	0	0	0	0.02	0
900224	Duplicate of 900219	0	0.05	0	0.01	0

Sampling Method and Approach

All work on the Del Norte property was completed under the direction of Harvey Klatt, M.Sc., P.Geo.

Core was logged and sampled by Shana Dickenson, 2007 project manager, and John Ryan, junior geologist. A total of 771 core samples and 28 rock samples were collected over a two month period. A complete list of assay results is located in the appendix of this report. Selected intervals f core were sampled. Sample lengths ranged between 0.30 and 1.5 m in length.

A quality control program utilizing geochemical standards, blanks and sample duplicates was used to monitor analytical precision and accuracy.

Two geochemical standards, DN-3 and DN-4, were used during the 2007 Del Norte drill program. Randomly selected standards were inserted into the sample stream at every 20th sample location. Duplicate samples were introduced at every 40th sample location. Geochemical sample blanks, consisting of barren coarse grained granodiorite, were introduced at every 60st sample location.

In Appendix I of this report a copy of ALS Chemex's analytical procedures, including principle of the method and quality control, is located in the appendix of this report.

Sample Preparation, Analysis and Security

Core samples were selected and prepared by the logging geologist. Sample intervals were selected by sulfide content as well as lithology. The start and end of the sample intervals are indicated by a line drawn perpendicular to the core axis. In addition, a sample number was written on the core indicating the start and end of each sample. Sample tags were attached to the core boxes at the end of the sample interval. Numbered sample bags were prepared by either a geologist or the core cutter. A sample number was written on the top and bottom of each plastic bag and the corresponding sample tag was inserted into the bag.

Chemex forwarded representative samples to their laboratory in North Vancouver, BC for gold and silver analysis by fire assay as well as 35 element ICP analysis. A copy of the ALS Chemex's analytical procedures, including principle of the method and quality control, is located in Appendix I of this report. All sample intervals were split using a diamond saw. Core was cut into halves with one half going back into the core box as a reference and the other half going into the sample bag. All samples, both core and rock, were stored temporarily in a secure storage area at the Meziadan highways camp facilities. Samples were sorted and bagged in preparation for shipping. Bags were secured using plastic zip ties. Following the completion of each hole, samples were shipped to ALS Chemex sample preparation facility in Terrace via Seaport Limousine.

Interpretation and Conclusions

In total, 1,600 m of NQ drilling was competed on the "3 Oz" gold showing between July 1st and August 25th, 2007. Drilling was done by Mike French Drilling Company of Smithers, British Columbia. Sabina tested the "3 Oz" Zone over a strike length of approximately 170 m and over a dip of approximately 185 m.

The "3 Oz" Zone was intersected in all nine dill holes The "3 Oz" Vein was only intersected in two holes, SDN-07-01 and SDN-07-07. The "3 Oz" Vein is associated with low to moderate grade gold and silver values. All the other holes intersected relatively thick zones of brecciated and stockwork veined lithologies described as the "3 Oz" Zone. Locally narrow zones of higher grade gold and silver values were encountered.

The "3 Oz" Zone is a west dipping shear fault structure occurring at the contact between black shale and volcanic rock and contains the "3 Oz" Vein. The "3 Oz" Zone is comprised of tectonically brecciated black shale and abundant intermittent intervals of fault gouge and quartz/fault gouge breccia. Mineralization consists primarily of acicular arsenopyrite in addition to trace amounts of sphalerite and galena.

The "3 Oz" Zone is interpreted to horsetail out to the north where mineralization is concentrated within a number of subparallel shears and faults. Holes SDN-07-08 and SDN-07-09 drilled on section line 1005N appear to have intersected the "3 Oz" Zone, however, no significant assay results were retrieved. In the south mineralization is better developed at depth. Holes drilled in the south on section line 1001N returned some anomalous gold and silver values, 3.10 g/t Au over 0.55 m and 31.24 g/t Ag over 7.20 m in hole SDN-07-05 and 4.14 g/t Au over 2.30 m and 30.98 g/t Ag over 2.30 m in hole SDN-07-06. Rather low grade gold and silver values were returned from holes in the south.

The assay results for all nine drill holes confirms that anomalous gold mineralization extends well into the hanging wall, beyond the main zone of tectonic brecciation and quartz veining of the "3 Oz" Zone (up to ~ 112 m). Mineralization within the hanging wall is associated with acicular arsenopyrite. Mineralization ends abruptly just below the "3 Oz" Zone. These results are consistent with the 2006 drill results.

The highest Au and Ag values for 2007 are 6.75 g/t Au over 0.90 m and 2810 g/t Ag over 1.00 m, both from hole SDN-07-03. The high gold and silver values are associated with strong quartz veining and arsenopyrite.

Recommendations

Based on low to modest gold and silver values encountered from Sabina's 2007 drill program the economic potential of the "3 Oz" gold showing appears to be low. No further work is recommended for the "3 Oz" zone at present time. Future exploration on the Del Norte property should be directed towards assessing other targets on the property as well as newly exposed outcrop revealed by ice recession.

Data and Signature Page Harvey Klatt

I Harvey M. Klatt of 219 – 1561 Vidal Street, White Rock, BC, P7B 5A7, hereby certify that:

I am a graduate from Queen's University in Kingston, Ontario, with a Masters of Science degree in Geology (MINEX).

I have practiced my profession continuously since 1986.

I oversaw the exploration program described herein.

I have reviewed the summary report of findings described in this report.

This report is an accurate account of the surface diamond drilling program conducted on Del Norte property during July and August 2007.

I am an employee of Sabina Silver Corporation.

Dated May 25, 2008

_____

Harvey M. Klatt, M.Sc., P.Geo.

Data and Signature Page Shana Dickenson

I Shana L. Dickenson of 275 Carl Ave., Thunder Bay, Ontario, P7B 4Z6, hereby certify that:

I am a graduate of Brock University in St. Catharines, Ontario, with a Bachelor of Science (Honours) degree in Earth Science.

I have practiced my profession continuously since 2004.

I supervised the exploration program herein described.

I reviewed the summary report of findings on completion of the program, the content of which this report incorporates.

This report is an accurate account of the surface diamond drilling program carried out during July and August 2007 on the Del Norte property.

I am an employee of Sabina Silver Corp.

Dated at Thunder Bay, Ontario, May 25, 2008

_____

Shana Dickenson

2007 Del Norte Statement.

Sabina Silver Corporation 2007 Del Norte Statement Summary

See attached pdf file for detailed 2007 Del Norte Cost Statement

Field Wages and Labour			
	Sabina Employees		$51,331.45
	Contractors		$87,762.98
		Total	**$139,094.43**
Office Studies & Report Preparation			
			$21,002.02
		Total	**$21,002.02**
Airborne Exploration Surveys			
		Total	**$0.00**
Remote Sensing			
		Total	**$0.00**
Ground Exploration Surveys			
		Total	**$0.00**
Ground Geophysics			
		Total	**$0.00**
Geochemical Surveying			
	Assaying		$48,323.52
	Sampling supplies		$5,372.63
		Total	**$53,696.15**
Drilling			
	Drilling		$193,920.00
	Avalanche Assessment		$2,100.00
	Drilling Supplies		$19,465.77
	Drill Pad Construction		$10,647.16
		Total	**$226,132.93**
Other Operations			
		Total	**$0.00**
Reclamation			
		Total	**$0.00**
Transportation			
	Commercial Airfares		$8,022.24
	Car Rentals		$2,919.60
	Prism Helicopters		$65,649.54

	Fuel + delivery for heli		$18,448.83
	Northern Air Support Heli		$130,008.01
		Total	**$225,048.22**
Accommodation & Food			
	Meziadin Camp Rental		$37,888.95
	Groceries for Camp		$17,516.08
	Restaurant Meals		$2,650.87
		Total	**$58,055.90**
Miscellaneous			
	Camp Supplies		$8,680.75
		Total	**$8,680.75**
Equipment Rentals			
	Field Gear Rentals		$30,451.37
		Total	**$30,451.37**
Freight, rock samples			
	Seaport Limousine		$4,089.84
		Total	**$4,089.84**
		TOTAL	**$766,251.61**
		Total M	1,600
	Cost/m Drilled		**$478.90**

Allocation:

Statement of Exploration: # 4217800	May 27, 2008	$158,000
Statement of Exploration: # 4229592	July 30, 2008	$289,040
Total:		$447,040

Any excess should go into the PAC account of Teuton Resources Corp.

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
S. Dickenson / Project geologist	Jul. 4 - 31, Aug. 1 - 8, 17 - 25	45	$261.53	$11,768.85	
J. Ryan / Geological assistant	Jul. 16 - 31, Aug. 1 - 17	33	$260.00	$8,580.00	
C. Debnam / Geotechnician, Logistics	Jul. 30, 31, Aug. 1 - 8, 17 - 25	19	$390.00	$7,410.00	
H. Klatt / Project manager	Jun. 9 - 12, 29, 30, Jul. 1 - 5, Aug. 6 - 10, 15 - 18	20	$442.31	$8,846.20	
G. Bryan / Labourer	Jul. 1 - 31, Aug. 1 - 28	59	$249.60	$14,726.40	
N. Hofmeyr / Core cutter CONTRACTOR, Teuton Resources	Jul. 19 - 31, Aug. 1 - 9	22	$92.73	$2,040.06	
C. Smith / First aid - cook CONTRACTOR, Poignant Pamperings	Aug. 16 - 22	7	$550.00	$3,850.00	
G. Kingston / First aid - cook CONTRACTOR, 1984 Enterprises (includes travel expenses)	Jul. 4 - 31, Aug. 1 - 9	37	$832.02	$30,784.74	
K. Terillon / First aid - cook CONTRACTOR, 1984 Enterprises (includes travel expenses)	Aug. 8 - 16	9	$832.02	$7,488.18	
J. Slam / Avalanche technician CONTRACTOR, Bear Enterprises	Jun. 9, Jul. 2	2			
C. Dietzfelbinger / Avalanche technician CONTRACTOR, Bear Enterprises	Jun. 25	1			
J. Fillion / Expediter CONTRACTOR, Drifter Enterprises	May. 25 - 31, Jun. 1 - 30, Jul. 1 - 31, Aug. 1 - 27	109	$400.00	$43,600.00	
B. Smith / Drill pad construction CONTRACTOR, Minconsult	Jul. 2, 3, 30, 31,	4			
T. Pynn / Drill pad construction CONTRACTOR, Minconsult	Jul. 2, 3, 12 - 15, 30, 31	8			
P. McKinnon / Drill pad construction CONTRACTOR, Minconsult	Jul. 2, 3, 12 - 15, 30, 31	8			
Mike French / Drill foreman CONTRACTOR, Teuton Resources	Jul. 6 - 11, 13 - 19, 22 - 26, 30, Aug. 2 - 10, 12 - 17, 19	35			
Matt French / Driller CONTRACTOR, Teuton Resources	Jul. 6 - 11, 13 - 19, 22 - 26, 30, Aug. 2 - 10, 12 - 17, 19	35			
S. Moffet / Driller CONTRACTOR, Teuton Resources	Jul. 6 - 11, 13 - 31, Aug. 1 - 3, 10 - 13	32			
D. Sharp / Driller CONTRACTOR, Teuton Resources	Jul. 8 - 23	16			
K. Leason / Driller CONTRACTOR, Teuton Resources	Jul. 6 - 11, 13 - 21, 26, 30, Aug. 9 - 17, 19	27			
J. Gaiffiths / Driller CONTRACTOR, Teuton Resources	Jul. 19 - 31, Aug. 11 - 13	16			
J. Baker / Driller CONTRACTOR, Teuton Resources	Jul. 19 - 21	3			
C. Peterson / Driller CONTRACTOR, Teuton Resources	Jul. 24 - 31, Aug. 1 - 11	19			
C. Wall / Driller CONTRACTOR Teuton Resources	Jul. 24 - 31, Aug. 1 - 8	16			

R. Harris / Heli pilot CONTRACTOR, Prism Helicopters	Jul. 7 - 14	8			
L. Tuck / Heli pilot CONTRACTOR, Prism Helicopters	Jul. 14 - 17	4			
Jeremy ? / Heli pilot CONTRACTOR, Prism Helicopters	Jul. 17 - 19	3			
S. Mcgreer / Heli pilot CONTRACTOR, Teuton Resources	Jul. 19 - 31, Aug. 1	14			
M. Clark / Heli pilot CONTRACTOR, Teuton Resources	Aug. 1 - 16	16			
S. Verduyn / Heli pilot CONTRACTOR, Teuton Resources	Aug. 16 - 21	6			
S. Ferguson / Heli Engineer CONTRACTOR, Teuton Resources	Aug. 1 - 3	3			
C. Black / Heli Engineer CONTRACTOR, Teuton Resources	Aug. 4 - 10, 19, 20	9			
R. Mclaughlin / Heli Engineer CONTRACTOR, Teuton Resources	Aug. 10 - 13	4			
C. Mellot / Heli Engineer CONTRACTOR, Teuton Resources	Aug. 13 - 21	9			
				$139,094.43	**$139,094.43**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Literature search			$0.00	$0.00	
Database compilation			$0.00	$0.00	
Computer modelling			$0.00	$0.00	
Reprocessing of data	I. Cassidy	8	$400.00	$3,200.00	
General research			$0.00	$0.00	
Report preparation	T. Barresi	28	$353.60	$9,900.80	
Report preparation	S. Dickenson	25	$261.53	$6,538.25	
Other (specify)	K.Gould (graphics preparation)	7	$194.71	$1,362.97	
				$21,002.02	**$21,002.02**
Airborne Exploration Surveys	**Line Kilometres / Enter total invoiced amount**				
Aeromagnetics			$0.00	$0.00	
Radiometrics			$0.00	$0.00	
Electromagnetics			$0.00	$0.00	
Gravity			$0.00	$0.00	
Digital terrain modelling			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Remote Sensing	**Area in Hectares / Enter total invoiced amount or list personnel**				
Aerial photography			$0.00	$0.00	
LANDSAT			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Ground Exploration Surveys	**Area in Hectares/List Personnel**				
Geological mapping					
Regional		*note: expenditures here*			
Reconnaissance		*should be captured in Personnel*			
Prospect		*field expenditures above*			
Underground	Define by length and width				
Trenches	Define by length and width			$0.00	**$0.00**
Ground geophysics	**Line Kilometres / Enter total amount invoiced list personnel**				

Radiometrics					
Magnetics					
Gravity					
Digital terrain modelling					
Electromagnetics	*note: expenditures for your crew in the field*				
SP/AP/EP	*should be captured above in Personnel*				
IP	*field expenditures above*				
AMT/CSAMT					
Resistivity					
Complex resistivity					
Seismic reflection					
Seismic refraction					
Well logging	Define by total length				
Geophysical interpretation					
Petrophysics					
Other (specify)					
				$0.00	**$0.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Drill (cuttings, core, etc.)	total includes QA/QC samples	771.0	$60.48	$46,630.08	
Stream sediment			$0.00	$0.00	
Soil	*note: This is for assays or*		$0.00	$0.00	
Rock	*laboratory costs*	28.0	$60.48	$1,693.44	
Water			$0.00	$0.00	
Biogeochemistry			$0.00	$0.00	
Whole rock			$0.00	$0.00	
Petrology			$0.00	$0.00	
Other (specify)	Sampling supplies (ALS Chemex)		$0.00	$307.63	
Other (specify)	Sampling supplies (Drifter Enterprises)		$0.00	$5,065.00	
				$53,696.15	**$53,696.15**
Drilling	**No. of Holes, Size of Core and Metres**	**No.**	**Rate**	**Subtotal**	
Diamond	9 holes, NQ size, 1,600 m total drilled, all in costs	1600	$121.20	$193,920.00	
Reverse circulation (RC)			$0.00	$0.00	
Rotary air blast (RAB)			$0.00	$0.00	
Other (specify)	Drill pad con/de struction, Minconsult	4	$2,661.79	$10,647.16	
Other (specify)	Timbers for drill pad construction, P.M.G. Sawmilling			$7,390.14	
Other (specify)	Dril pad avalanche safety assessments, Bear Enterprises	3.5	$600.00	$2,100.00	
Other (specify)	Drill core boxes + lids	280	$14.25	$3,990.00	
Other (specify)	Drummed diesel + oil+propane for drill,			$8,085.63	
				$226,132.93	**$226,132.93**
Other Operations	**Clarify**	**No.**	**Rate**	**Subtotal**	
Trenching			$0.00	$0.00	
Bulk sampling			$0.00	$0.00	
Underground development			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Reclamation	**Clarify**	**No.**	**Rate**	**Subtotal**	

After drilling	reclamation concurrent with drill program		$0.00	$0.00	
Monitoring			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
Transportation		**No.**	**Rate**	**Subtotal**	
Airfare	Marlin Travel (H. Klatt) Vancouver - Thunder Bay, Aug. 10, 2007			$809.67	
Airfare	Harvey Klatt (H. Klatt + J. Ryan) Terrace - Vancouver, July 5, and 16 respectively			$748.34	
Airfare	Marlin Travel (S. Dickenson) Yellowknife - Terrace, July 4, 2007			$738.34	
Airfare	John Ryan (Expenses) Terrace - Vancouver, August 17, 2007			$353.67	
Airfare	Marlin Travel (H. Klatt) Thunder Bay - Terrace, Aug. 13, 2007			$108.36	
Airfare	Marlin Travel, (S. Dickenson + C. Debnam) Terrace - Toronto Aug. 27, 2007			$2,758.68	
Airfare	Harvey Klatt (C. Debnam) Calgary - Terrace, July 30, 2007			$378.67	
Airfare	Visa - Harvey Klatt (S. Dickenson + C. Debnam + H. Klatt) Vancouver - Winnipeg August 8, 2007 for SD and CD and Terrace - Vancouver for HK on August 18, 2007			$1,427.17	
Airfare	Visa - Harvey Klatt (H. Klatt) Vancouver - Thunder Bay - Vancouver, December 4 and 7, 2007			$699.34	
Taxi	incuded with shipping				
truck rental	Car Rental, Jun. 9 - 12, Giddings Holdings	4	$83.20	$332.80	
truck rental	Car Rental, Jun 29, 30, Jul. 1 - 31, Aug 1 - 25 National	58	$44.60	$2,586.80	
kilometers			$0.00	$0.00	
ATV			$0.00	$0.00	
fuel			$0.00	$0.00	
Helicopter (hours)	Prism Helicopters (Sabina provided drummed fuel)	50.1	$1,310.37	$65,649.54	
Fuel (litres/hour)			$0.00	$0.00	
Helicopter (hours)	Teuton Resources (Northern Air Support)(Sabina provided drummed fuel)	123	$1,059.56	$130,008.01	
Fuel (litres/hour)	Granmac Services Ltd. (fuel delivered at staging area for helicopters)			$17,428.83	
Other	Granmac Services Ltd. (fuel delivery service to staging area)			$1,020.00	

				$225,048.22	**$225,048.22**
Accommodation & Food	**Rates per day**				
Hotel	H. Klatt (Report #5)	3	$49.38	$148.14	
Hotel	Bear Enterprises Ltd.	1	$97.15	$97.15	
Hotel	H. Klatt (Report #8)	11	$66.88	$735.68	
Hotel	S. Dickenson (expenses)	2	$98.60	$197.20	
Hotel	H. Klatt (Report #9)	2	$51.78	$103.56	
Hotel	H. Klatt (VISA)	3	$142.05	$426.15	
Hotel	C. Debnam (expenses)	1	$105.05	$105.05	
Camp	Meziadin Highways camp building rental, (Jul. 1 - Aug. 25) River Wind Ventures Ltd.	55.00	$688.89	$37,888.95	
Camp	Camp groceries, July 1 - 31, Aug. 1 - 23, Drifter Enterprises			$17,516.08	
Meals	H. Klatt, meals		$0.00	$540.60	
Meals	C. Debnam, meals			$255.57	
Meals	J. Ryan, meals			$22.43	
Meals	G. Bryan, meals			$19.34	
				$58,055.90	**$58,055.90**
Miscellaneous					
Telephone	included in telephone and internet rental		$0.00	$0.00	
Other (Specify)	Camp supplies, (swivel kit, washers, tape, batteries, storage boxes, mosqito coils, etc) Drifter Enterprises			$8,680.75	
				$8,680.75	**$8,680.75**
Equipment Rentals					
Field Gear (Specify)	Reflex Instrument - EZ shot for drill hole surveying (June, July, Aug)			$8,049.94	
Field Gear (Specify)	Survival tent for drillers, Jul. 3 - 31, Aug. 1 - 23, Drifter Enterprises	51	$25.00	$1,275.00	
Field Gear (Specify)	Survival box for drillers, Jul. 3 - 31, Aug. 1 - 23, Drifter Enterprises	51	$10.00	$510.00	
Field Gear (Specify)	Camp firearm, Jul. 10 - 31, Aug. 1 - 23 Drifter Enterprises	44	$10.00	$440.00	
Field Gear (Specify)	Generator for survival tent, Jul. 18 - 31, Aug. 1 - 23, Drifter Enterprises	36	$50.00	$1,800.00	
Field Gear (Specify)	Level 3 First Aid supplies bag, Jul. 3 - 31, Aug. 1 - 23, Drifter Enterprises	51	$35.00	$1,785.00	
Field Gear (Specify)	Refridgerator, Jul. 5 - 31, Aug. 1 - 23, Drifter Enterprises	49	$5.00	$245.00	
Field Gear (Specify)	Deep freeze, Jul. 5 - 31, Aug. 1 - 23, Drifter Enterprises	49	$5.00	$245.00	
Field Gear (Specify)	Core splitting rock saw, Jul. 7 - 31, Aug. 1 - 23, Drifter Enterprises	47	$75.00	$3,525.00	

Field Gear (Specify)	Washing machine, Jul. 5 - 31, Aug. 1 - 23, Drifter Enterprises	49	$5.00	$245.00	
Field Gear (Specify)	Paloma hot water heater, Jul. 12 - 31, Aug. 1 - 23, Drifter Enterprises	42	$10.00	$420.00	
Field Gear (Specify)	Assorted camp tools + dishes Jul. 5 - 31, Aug. 1 - 23, Drifter Enterprises	49	$15.00	$735.00	
Field Gear (Specify)	Oxygen for emergency shelter, (May, June, July, Aug) Drifter Enterprises	4	$43.92	$175.68	
Field Gear (Specify)	Mobile radios (2) Bandstra Transportation (	1	$25.46	$25.46	
Field Gear (Specify)	2 portable satellite phones and air time+ 6 radios, (June, July, Aug) Tower Radio	3	$2,905.96	$8,717.88	
Field Gear (Specify)	Air conditioner, Jul. 15 - 31, Aug - 23, Drifter Enterprises	39	$2.86	$111.54	
Field Gear (Specify)	Instal and rental of HSE telephone/internet system in camp Jul. 27 - Aug. 31, Tower Radio	1	$2,145.87	$2,145.87	
Other (Specify)				$0.00	
				$30,451.37	**$30,451.37**
Freight, rock samples					
Shipping + taxi service	Seaport Limousine		$0.00	$4,089.84	
			$0.00	$0.00	
				$4,089.84	**$4,089.84**
TOTAL Expenditures					**$766,251.61**

References

Barresi, T., 2007. Assessment Report on Diamond Drilling & Geochemical Work on the Following Claims: CROESUS1, CROESUS2,….eta, Skeena Mining District, Stewart, British Columbia, for Sabina Corp.

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Cermonese, D.M., 2004. Assesment Reoprt on Diamond Drilling & Geochemical Work On the Following Claims: Croesus 1, 4 & Horatio 1, 3 & Lord Nelson 3, 6 & LH 3. Skeena Mining District, Stewart British Columbia, for Teuton Resources Corp.

Cermonese, D.M., 2003. Assessment Report on Diamond Drilling & Geochemical Work On the Following Claims: Croesus 1, 4 & Horatio 1, 3. Skeena Mining District, Stewart British Columbia, for Teuton Resources Corp.

Cermonese, D.M., 2003. Assesment Reoprt on Diamond Drilling & Geochemical Work On the Following Claims: Knoink 1,2,3,4. Skeena Mining District, Stewart British Columbia, for Teuton Resources Corp.

Alldrick, D.J., 1984. Geological setting of the Precious Metals Deposits in the Stewart Area. Paper 84-1, Geological Fieldwork 1983.

Appendix

Appendix I: ALS Chemex's analytical procedures

ALS Chemex

Quality Assurance Overview

LABORATORY REGISTRATION

ALS Chemex laboratories in North America are registered to ISO 9001:2000 for the "provision of assay and geochemical analytical services" by QMI Quality Registrars.

In addition to ISO 9001:2000 registration, ALS Chemex's North Vancouver laboratory has received ISO 17025 accreditation from the Standards Council of Canada under CAN-P-1579 "Guidelines for Accreditation of Mineral Analysis Testing Laboratories". CAN-P-1579 is the Amplification and Interpretation of CAN-P-4D "General Requirements for the Accreditation of Calibration and Testing Laboratories" (Standards Council of Canada ISO/IEC 17025). The scope of the accreditation includes the following methods:

- Au and Ag by Fire Assay/Gravimetric Finish
- Au by Fire Assay/AAS Finish
- Au, Pt, Pd by Fire Assay/ICP Finish
- Ag, Cu, Pb, Zn by Aqua Regia Digestion/AAS Finish
- Co, Ni, Ag, Cu, Pb, Zn, Mo by 4-Acid Digestion/AAS Finish
- Cu, Ni, Co, Al, Fe, Mg, Mn, Pb, S, Zn by Sodium Peroxide Fusion/ICP Finish
- Multi-element package by Aqua Regia Digestion/ICP Finish
- Multi-element package by 4-Acid Digestion/ICP Finish
- Ag, Cu, Pb, Zn by Aqua Regia Digestion/ICP Finish (Ore Grade)
- Ag, Cu, Pb, Zn by 4-Acid Digestion/ICP Finish (Ore Grade)

The ISO 9001:2000 registration provides evidence of a quality management system covering all aspects of our organization. ISO 17025 accreditation provides specific assessment of our laboratory's analytical capabilities. In our opinion, the combination of the two ISO standards provides our clients complete assurance regarding the quality of every aspect of ALS Chemex operations.

Aside from laboratory accreditation, ALS Chemex has been a leader in participating in, and sponsoring, the assayer certification program in British Columbia. Many of our analysts have completed this demanding program that includes extensive theoretical and practical examinations. Upon successful completion of these examinations, they are awarded the title of Registered Assayer.

QUALITY ASSURANCE PROGRAM

The quality function is an integral part of all day-to-day activities at ALS Chemex and involves all levels of staff. Responsibilities are formally assigned for all aspects of the quality assurance program. As well, all senior staff is expected to actively participate in the quality program through regular Quality Assurance and Technical Meetings.

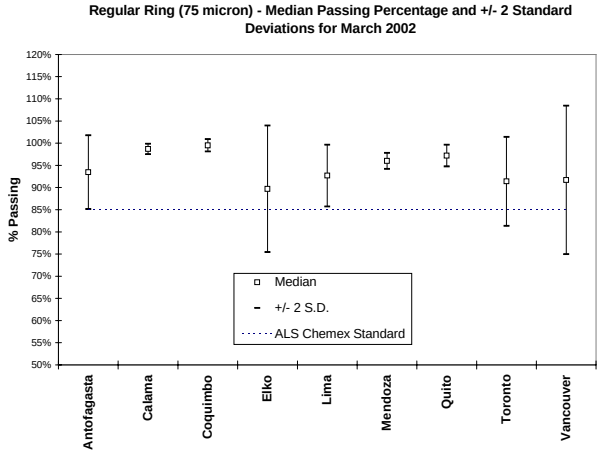
Sample Preparation Quality Specifications

Standard specifications for sample preparation are clearly defined and monitored. The specifications are as follows:

- Crushing
  > 70% of the crushed sample passes through a 2 mm screen
- Ringing
  > 85% of the ring pulverized sample passes through a 75 micron screen (Tyler 200 mesh)
- Samples Received as Pulps
  >80% of the sample passes through a 75 micron screen (Tyler 200 mesh)

These characteristics are measured and results reported and logged to verify the quality of sample preparation. Our standard operating procedures require that at least one sample per day be taken from each sample preparation station. Measurement of sample preparation quality allows the identification of equipment, operators and processes that are not operating within specifications.

QC results from all sample preparation laboratories are reported to the QC department monthly. The data is combined and reported to senior management for monthly review of the performance of each preparation laboratory.



Other Sample Preparation Specifications

Sample preparation is a vital part of any analysis protocol. Many projects require sample preparation to other specifications, for instance > 90% of the crushed sample to pass through a 2 mm screen. These procedures can easily be accommodated and the Prep QC monitoring system is essential in ensuring the required specifications are routinely met.

Analytical Quality Control – Reference Materials, Blanks & Duplicates

The Laboratory Information Management System (LIMS) inserts quality control samples (reference materials, blanks and duplicates) on each analytical run, based on the rack sizes associated with the method. The rack size is the number of sample including QC samples included in a batch. The blank is inserted at the beginning, standards are inserted at random intervals, and duplicates are analysed at the end of the batch. Quality control samples are inserted based on the following rack sizes specific to the method:

Rack Size	Methods	Quality Control Sample Allocation
20	Specialty methods including specific gravity, bulk density, and acid insolubility	2 standards, 1 duplicate, 1 blank
28	Specialty fire assay, assay-grade, umpire and concentrate methods	1 standard, 1 duplicate, 1 blank
39	XRF methods	2 standards, 1 duplicate, 1 blank
40	Regular AAS, ICP-AES and ICP-MS methods	2 standards, 1 duplicate, 1 blank
84	Regular fire assay methods	2 standards, 3 duplicates, 1 blank

The laboratory staff analyses quality control samples at least at the frequency specified above. If necessary, laboratory staff may include additional quality control samples above the minimum specifications.

All data gathered for quality control samples – blanks, duplicates and reference materials – are automatically captured, sorted and retained in the QC Database.

Quality Control Limits and Evaluation

Quality Control Limits for reference materials and duplicate analyses are established according to the precision and accuracy requirements of the particular method. Data outside control limits are identified and investigated and require corrective actions to be taken. Quality control data is scrutinised at a number of levels. Each analyst is responsible for ensuring the data submitted is within control specifications. In addition, there are a number of other checks.

Certificate Approval

If any data for reference materials, duplicates, or blanks falls beyond the control limits established, it is automatically flagged red by the computer system for serious failures, and yellow for borderline results. The Department Manager(s) conducting the final review of the Certificate is thus made aware that a problem may exist with the data set.

Precision Specifications and Definitions

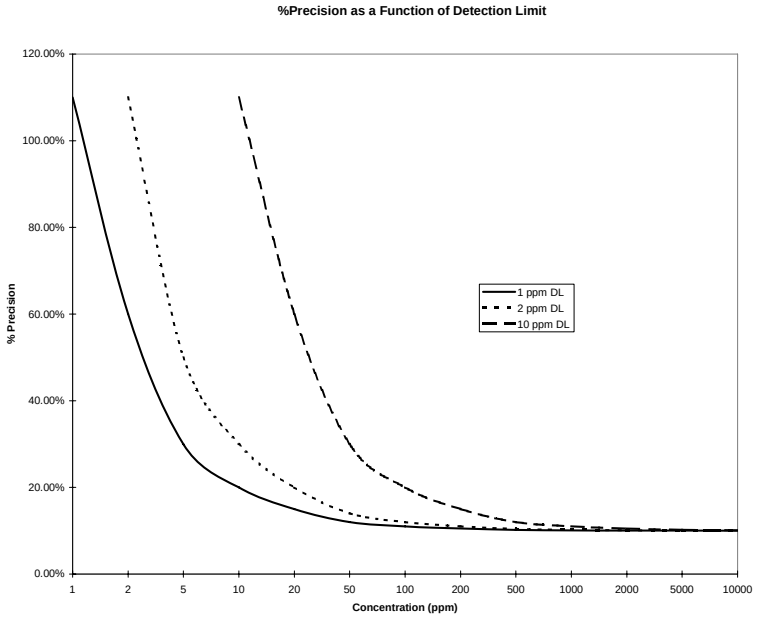
Most geochemical procedures are specified to have a precision of ± 10%, and assay procedures ± 5%. The precision of Au analyses is dominated by the sampling precision.

Precision can be expressed as a function of concentration:

$$P_c = \left(\frac{DetectionLimit}{c} + P\right) \times 100\%$$

where P_c - the precision at concentration c
c - concentration of the element
P - the "Precision Factor" of the element. This is the precision of the method at very high concentrations, i.e. 0.05 for 5%.

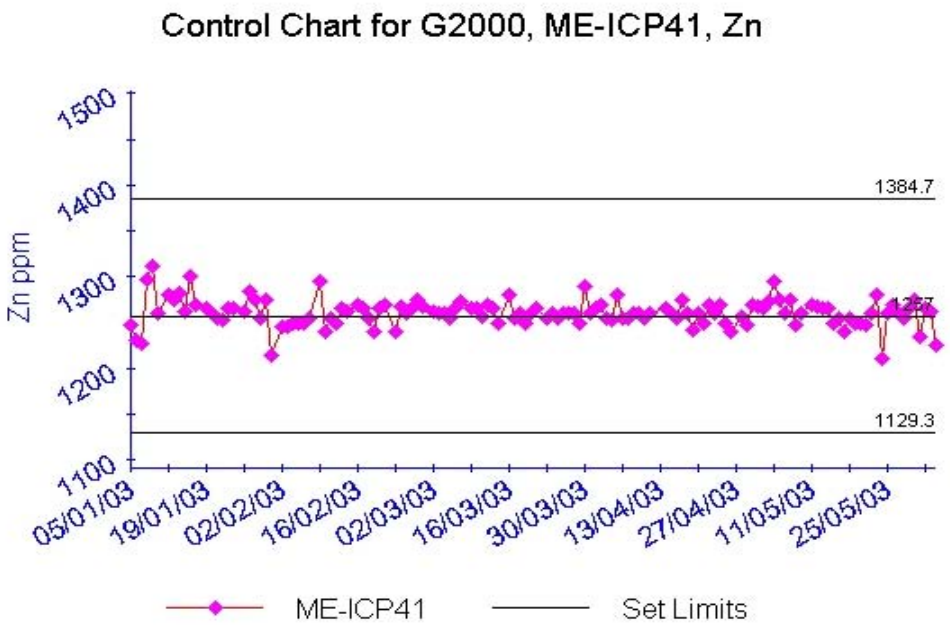
(M. Thompson, 1988. Variation of precision with concentration in an analytical system. Analyst, 113: 1579-1587.)



As an example, precision as a function of concentration (10% precision) is plotted for three different detection limits. The impact of detection limit on precision of results for low-level determinations can be dramatic.

Evaluation of Trends

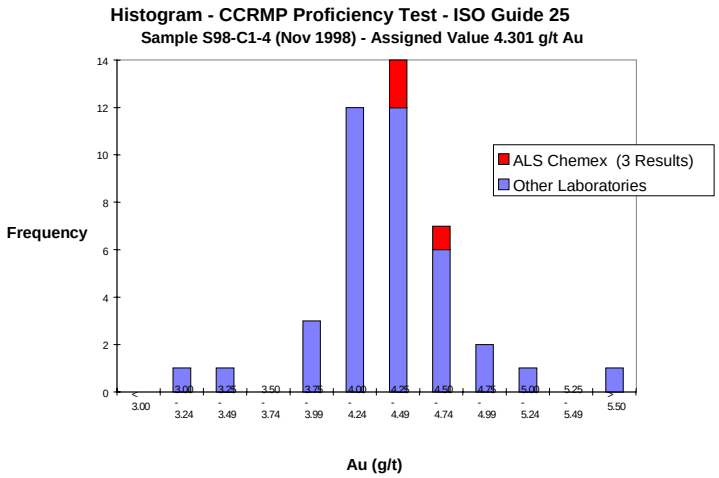
Control charts for frequently used method codes are generated and evaluated by the QA Department and distributed to Departmental managers for posting in the lab and review on a weekly basis. The control charts are evaluated to ensure internal specifications for precision and accuracy are met. The data is also reviewed for any long-term trends and drifts.



External Proficiency Tests

Proficiency testing provides an independent assessment of laboratory performance by an outside agency. Test materials are regularly distributed to the participants, ideally four times a year, and results are processed by a central agency. The results are usually converted to some kind of score, such as Z-scores.

All ALS Chemex analytical facilities in North America participate in proficiency tests for the analytical procedures routinely done at each laboratory. ALS Chemex has participated in several rounds of proficiency tests organized by organizations such as Canadian Certified Reference Materials Projects, and Geostats as well as a number of independent studies organized by consultants for specific clients. We have participated also participated in several certification studies for new certified reference materials by CANMET and Rocklabs.



ALS Chemex has obtained the highest rating for the results submitted, with a few minor exceptions. Feedback from these studies is invaluable in ensuring our continuing accuracy and validation of method.

Quality Assurance Meetings

A review of quality assurance issues is held regularly at Technical and Quality Assurance Meetings. The meetings cover such topics as:

- Results of internal round robin exchanges, external proficiency tests and performance evaluation samples
- Monitoring of control charts for reference materials
- Review of sample preparation quality control results from all branch offices
- Review of quality system failures
- Incidents raised by clients
- Results of internal quality audits
- Other quality assurance issues

The Quality Assurance Department and senior management participate in these meetings, either in person or by teleconference.

ALS Chemex

Fire Assay Procedure – Au-AA23 & Au-AA24
Fire Assay Fusion, AAS Finish

Sample Decomposition: Fire Assay Fusion (FA-FUS01 & FA-FUS02)
Analytical Method: Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA22

ALS Chemex

Geochemical Procedure - ME-ICP61a
Evaluation of High Grade Materials Using Conventional ICP-AES Analysis

Sample Decomposition: HNO_3-$HClO_4$-HF-HCl digestion (ASY-4A02)
Analytical Method: Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)

The sample is digested in a mixture of nitric, perchloric and hydrofluoric acids. Perchloric acid is added to assist oxidation of the sample and to reduce the possibility of mechanical loss of sample as the solution is evaporated to moist salts. Elements are determined by inductively coupled plasma – atomic emission spectroscopy (ICP-AES).

NOTE: Four acid digestions are able to dissolve most minerals; however, although the term "*near-total*" is used, depending on the sample matrix, not all elements are quantitatively extracted.

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Silver	Ag	ppm	1	200	Ag-OG62
Aluminum	Al	%	0.05	50	
Arsenic	As	ppm	50	100 000	
Barium	Ba	ppm	50	50 000	
Beryllium	Be	ppm	10	10 000	
Bismuth	Bi	ppm	20	50 000	
Calcium	Ca	%	0.05	50	

ALS Chemex

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Cadmium	Cd	ppm	10	10 000	
Cobalt	Co	ppm	10	50 000	Co-OG62
Chromium	Cr	ppm	10	100 000	
Copper	Cu	ppm	10	100 000	Cu-OG62
Iron	Fe	%	0.05	50	
Gallium	Ga	ppm	50	50 000	
Potassium	K	%	0.1	30	
Lanthanum	La	ppm	50	50 000	
Magnesium	Mg	%	0.05	50	
Manganese	Mn	ppm	10	100 000	
Molybdenum	Mo	ppm	10	50 000	Mo-OG62
Sodium	Na	%	0.05	30	
Nickel	Ni	ppm	10	100 000	Ni-OG62
Phosphorus	P	ppm	50	100 000	
Lead	Pb	ppm	20	100 000	Pb-OG62
Sulphur	S	%	0.1	50	
Antimony	Sb	ppm	50	50 000	
Scandium	Sc	ppm	50	50 000	
Strontium	Sr	ppm	10	100 000	
Thorium	Th	ppm	50	50 000	
Titanium	Ti	%	0.05	30	
Thallium	Tl	ppm	50	50 000	
Uranium	U	ppm	50	50 000	
Vanadium	V	ppm	10	100 000	

ALS Chemex

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Tungsten	W	ppm	50	50 000	
Zinc	Zn	ppm	20	100 000	Zn-OG62

Elements listed below are available upon request.

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Cerium	Ce	ppm	50	500	
Hafnium	Hf	ppm	10	10000	
Lanthanum	La	ppm	10	10000	
Lithium	Li	ppm	100	10000	
Niobium	Nb	ppm	10	10000	
Phosphorus	P	ppm	10	10000	
Rubidium	Rb	ppm	10	10000	
Selenium	Se	ppm	25	10000	
Tin	Sn	ppm	10	10000	
Tantalum	Ta	ppm	10	10000	
Tellurium	Te	ppm	10	10000	
Yttrium	Y	ppm	10	10000	
Zirconium	Zr	ppm	10	10000	

ALS Chemex

Assay Procedure – ME-OG62
Ore Grade Elements by Four Acid Digestion Using Conventional ICP-AES Analysis

Sample Decomposition: HNO_3-$HClO_4$-HF-HCl Digestion (ASY-4A01)
Analytical Method: Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)*

Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample is digested with nitric, perchloric, hydrofluoric, and hydrochloric acids, and then evaporated to incipient dryness. Hydrochloric acid and de-ionized water is added for further digestion, and the sample is heated for an additional allotted time. The sample is cooled to room temperature and transferred to a volumetric flask (100 mL). The resulting solution is diluted to volume with de-ionized water, homogenized and the solution is analyzed by inductively coupled plasma - atomic emission spectroscopy or by atomic absorption spectrometry.

*__NOTE__: ICP-AES is the default finish technique for ME-OG62. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted. The certificate will clearly reflect which instrument finish was used.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	30
Bismuth	Bi	%	0.01	30
Cadmium	Cd	%	0.0001	10
Cobalt	Co	%	0.001	20

ALS Chemex

Element	Symbol	Units	Lower Limit	Upper Limit
Chromium	Cr	%	0.002	30
Copper	Cu	%	0.01	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.01	30
Lead	Pb	%	0.01	20
Zinc	Zn	%	0.01	30

Appendix II: 2007 Assay Results

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 6-OCT-2007
Account: SABSIL

CERTIFICATE TR07083457

Project: Del Norte

P.O. No.:

This report is for 153 Drill Core samples submitted to our lab in Terrace, BC, Canada on 30-JUL-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

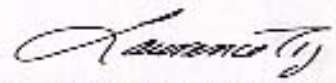
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Lawrence Ng, Laboratory Manager - Vancouver

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 6-OCT-2007
Account: SABSIL

Project: Del Norte

CERTIFICATE OF ANALYSIS TR07083457

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900501		1.91	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900502		1.93	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900503		1.91	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900504		2.09	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900505		2.55	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900506		1.09	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900507		1.11	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900508		1.61	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900509		1.58	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900510		0.94	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900511		1.45	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900512		2.11	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900513		1.76	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900514		1.31	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900515		1.79	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900516		1.31	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900517		1.00	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900518		1.77	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900519		1.61	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900520		0.76	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900521		0.95	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900522		0.74	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900523		1.33	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.02
E900524		1.29	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.02
E900525		0.62	0.07	<0.01	<0.01	<0.001	<0.01	<5	0.07
E900526		1.29	0.29	<0.01	<0.01	<0.001	<0.01	<5	0.02
E900527		0.71	0.36	<0.01	<0.01	<0.001	0.01	<5	0.12
E900528		1.99	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900529		2.21	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900530		2.32	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900531		1.67	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900532		1.53	0.69	<0.01	<0.01	<0.001	0.01	<5	0.30
E900533		0.97	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.05
E900534		1.53	1.19	<0.01	<0.01	<0.001	0.01	<5	0.46
E900535		0.95	0.76	<0.01	<0.01	<0.001	0.01	<5	0.23
E900536		1.77	0.34	<0.01	<0.01	<0.001	0.01	<5	0.18
E900537		1.68	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900538		2.10	0.16	<0.01	<0.01	<0.001	0.01	<5	0.08
E900539		0.92	1.99	<0.01	<0.01	<0.001	<0.01	<5	0.99
E900540		0.12	2.40	0.29	1.03	0.003	4.32	34	0.01

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 6-OCT-2007
Account: SABSIL

Project: Del Norte

CERTIFICATE OF ANALYSIS TR07083457

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900541		1.95	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900542		2.09	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900543		1.47	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900544		1.02	1.81	<0.01	<0.01	<0.001	0.01	<5	0.41
E900545		1.70	0.57	<0.01	<0.01	<0.001	0.01	<5	0.13
E900546		1.78	1.04	<0.01	<0.01	<0.001	0.01	<5	0.29
E900547		1.69	0.89	<0.01	<0.01	<0.001	0.01	<5	0.33
E900548		1.72	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900549		1.31	<0.05	0.01	<0.01	<0.001	<0.01	<5	<0.01
E900550		2.73	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900551		2.21	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900552		2.27	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900553		2.29	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900554		2.43	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900555		2.59	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900556		2.36	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900557		2.59	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900558		2.37	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900559		1.00	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900560		1.18	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900561		2.49	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900562		2.41	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900563		1.74	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900564		1.36	0.74	<0.01	<0.01	<0.001	0.01	<5	0.22
E900565		1.20	2.77	<0.01	<0.01	<0.001	<0.01	9	0.99
E900566		1.85	<0.05	0.01	<0.01	<0.001	0.01	<5	0.06
E900567		1.84	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900568		1.60	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900569		1.92	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900570		1.80	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900571		1.73	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900572		1.88	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900573		1.79	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900574		1.43	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900575		1.01	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900576		1.32	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.06
E900577		1.22	0.59	<0.01	<0.01	<0.001	0.01	<5	0.29
E900578		1.56	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.03
E900579		1.60	<0.05	<0.01	<0.01	<0.001	0.01	7	<0.01
E900580		0.68	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01

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LONDON ON N6H 5N1

Finalized Date: 6-OCT-2007
Account: SABSIL

Project: Del Norte

CERTIFICATE OF ANALYSIS TR07083457

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900581		1.74	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900582		1.45	<0.05	<0.01	<0.01	<0.001	0.02	<5	0.08
E900583		1.62	<0.05	<0.01	<0.01	<0.001	0.01	6	0.04
E900584		0.71	0.32	<0.01	<0.01	<0.001	0.01	<5	0.14
E900585		0.84	1.83	<0.01	<0.01	<0.001	0.01	<5	0.87
E900586		1.91	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900587		1.68	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900588		1.90	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900589		1.92	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900590		2.11	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900591		1.67	0.19	<0.01	<0.01	<0.001	0.01	<5	0.06
E900592		1.51	1.09	<0.01	<0.01	<0.001	0.01	<5	0.40
E900593		1.60	1.52	<0.01	<0.01	<0.001	0.01	<5	0.41
E900594		1.77	0.68	<0.01	<0.01	<0.001	0.01	<5	0.31
E900595		1.61	1.37	0.02	0.01	<0.001	0.02	<5	0.60
E900596		1.52	0.75	<0.01	<0.01	<0.001	0.01	<5	0.22
E900597		1.39	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900598		1.68	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900599		1.52	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900600		0.13	10.05	0.01	<0.01	0.002	0.01	<5	<0.01
E900601		1.51	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900602		1.72	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900603		1.94	<0.05	0.01	<0.01	<0.001	0.02	<5	0.01
E900604		1.20	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900605		1.85	<0.05	<0.01	<0.01	<0.001	0.02	<5	0.01
E900606		2.12	0.38	<0.01	<0.01	<0.001	0.01	<5	0.17
E900607		2.11	0.36	<0.01	<0.01	<0.001	0.01	<5	0.14
E900608		2.44	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.18
E900609		0.92	0.49	<0.01	<0.01	<0.001	0.02	<5	0.09
E900610		0.33	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900611		0.51	4.48	<0.01	<0.01	<0.001	0.01	<5	0.96
E900612		0.62	0.32	<0.01	<0.01	<0.001	0.01	<5	0.03
E900613		0.92	3.57	<0.01	<0.01	<0.001	0.01	9	1.17
E900614		0.97	5.47	<0.01	<0.01	<0.001	0.01	7	1.73
E900615		0.61	6.75	<0.01	0.01	<0.001	0.01	9	1.97
E900616		1.46	2.47	0.01	<0.01	<0.001	0.01	9	0.97
E900617		1.98	0.23	<0.01	<0.01	<0.001	0.01	<5	0.13
E900618		1.89	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900619		0.87	0.13	0.01	<0.01	<0.001	0.01	<5	0.02
E900620		0.76	0.10	0.01	<0.01	<0.001	0.01	<5	0.03

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LONDON ON N6H 5N1

Finalized Date: 6-OCT-2007
Account: SABSIL

Project: Del Norte

CERTIFICATE OF ANALYSIS TR07083457

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA45	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900621		1.62	0.21	<0.01	<0.01	<0.001	0.01	<5	0.03
E900622		1.80	0.43	<0.01	<0.01	<0.001	0.01	<5	0.05
E900623		2.05	0.26	<0.01	<0.01	<0.001	0.01	<5	0.04
E900624		1.40	0.45	<0.01	<0.01	0.001	0.02	<5	0.02
E900625		0.48	0.07	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900626		2.06	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.02
E900627		2.18	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900628		1.40	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.07
E900629		0.88	2.48	<0.01	<0.01	<0.001	0.01	<5	1.41
E900630		1.60	0.70	<0.01	<0.01	0.001	0.01	<5	0.32
E900631		1.49	0.96	<0.01	<0.01	<0.001	0.01	<5	0.66
E900632		0.73	0.39	<0.01	<0.01	<0.001	0.01	<5	0.17
E900633		0.75	0.31	<0.01	<0.01	<0.001	0.01	<5	0.01
E900634		0.78	1.23	0.52	<0.01	<0.001	0.02	2810	0.30
E900635		1.59	0.55	<0.01	<0.01	<0.001	0.01	<5	0.27
E900636		0.74	1.55	<0.01	<0.01	<0.001	0.01	<5	1.11
E900637		1.72	1.30	<0.01	0.01	<0.001	0.02	<5	0.60
E900638		2.18	1.68	<0.01	0.01	<0.001	0.05	<5	0.52
E900639		1.34	1.04	<0.01	<0.01	0.001	0.01	<5	0.40
E900640		1.60	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900641		1.74	0.72	<0.01	0.02	<0.001	0.04	<5	0.22
E900642		1.24	0.17	<0.01	<0.01	<0.001	0.02	<5	0.01
E900643		1.60	0.18	<0.01	<0.01	0.001	0.02	<5	0.03
E900644		1.53	0.29	<0.01	<0.01	<0.001	0.02	<5	0.17
E900645		1.72	0.23	<0.01	<0.01	0.001	0.02	<5	0.14
E900646		1.87	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900647		2.00	<0.05	<0.01	<0.01	0.001	0.03	<5	<0.01
E900648		2.36	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900649		2.35	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900650		2.42	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900651		2.47	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900652		2.41	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900653		2.39	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 5-OCT-2007
Account: SABSIL

CERTIFICATE TR07087579

Project: Del Norte- Midas

P.O. No.:

This report is for 67 Drill Core samples submitted to our lab in Terrace, BC, Canada on 13-AUG-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 5-OCT-2007
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CERTIFICATE OF ANALYSIS TR07087579

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900874		2.60	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900875		0.48	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900876		2.46	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900877		2.57	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900878		0.71	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900879		2.70	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900880		0.26	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900881		2.19	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900882		2.30	<0.05	<0.01	<0.01	0.001	<0.01	<5	0.01
E900883		2.50	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900884		2.76	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900885		0.87	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900886		2.95	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900887		0.48	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900888		0.50	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900889		0.86	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900890		2.59	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900891		2.84	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900892		2.69	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900893		1.52	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900894		2.19	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900895		2.01	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900896		1.95	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900897		1.82	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900898		2.07	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.04
E900899		1.13	0.99	<0.01	0.01	0.001	0.02	9	0.45
E900900		0.12	2.43	0.30	1.01	0.003	4.26	38	0.01
E900901		1.97	0.13	<0.01	<0.01	<0.001	0.01	<5	0.07
E900902		2.17	<0.05	<0.01	<0.01	0.001	0.02	<5	0.02
E900903		1.83	<0.05	0.01	<0.01	<0.001	0.02	<5	0.01
E900904		2.05	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.03
E900905		1.08	0.77	<0.01	<0.01	0.001	0.05	9	0.16
E900906		1.59	2.49	0.01	<0.01	0.001	0.03	19	0.84
E900907		0.91	1.02	0.01	<0.01	0.001	0.05	18	0.11
E900908		1.91	0.36	0.01	<0.01	0.002	0.02	<5	0.18
E900909		1.76	<0.05	0.01	<0.01	0.001	0.02	<5	0.02
E900910		1.94	<0.05	0.01	<0.01	0.001	0.01	<5	0.02
E900911		1.90	<0.05	0.01	<0.01	0.001	0.01	<5	0.02
E900912		2.07	<0.05	0.01	<0.01	0.001	0.01	<5	0.01
E900913		0.57	<0.05	0.01	<0.01	0.001	0.02	<5	0.01

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 5-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07087579

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mn	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900914		1.96	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900915		1.76	<0.05	0.01	<0.01	0.001	0.01	<5	0.01
E900916		0.85	<0.05	0.01	<0.01	0.002	0.01	<5	0.01
E900917		1.54	<0.05	0.01	<0.01	0.002	0.02	<5	0.01
E900918		1.04	<0.05	0.01	<0.01	0.001	0.02	<5	0.01
E900919		1.85	<0.05	0.01	<0.01	0.002	0.02	<5	0.01
E900920		0.83	0.33	0.01	<0.01	0.002	0.02	<5	0.01
E900921		1.22	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900922		1.01	0.16	<0.01	<0.01	0.001	0.02	<5	0.12
E900923		2.74	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900924		1.64	<0.05	<0.01	<0.01	0.001	0.04	<5	<0.01
E900925		1.82	<0.05	0.01	<0.01	0.001	0.02	<5	<0.01
E900926		1.63	<0.05	0.01	<0.01	0.001	0.02	<5	<0.01
E900927		1.39	<0.05	0.01	<0.01	0.001	0.02	<5	<0.01
E900928		1.66	<0.05	0.01	<0.01	0.001	0.03	<5	0.01
E900929		1.71	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900930		1.24	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900931		2.14	<0.05	0.01	<0.01	0.001	<0.01	<5	0.01
E900932		2.22	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900933		0.95	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900934		2.27	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900935		2.42	<0.05	0.17	<0.01	0.001	0.01	<5	<0.01
E900936		2.49	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900937		2.40	<0.05	0.01	<0.01	0.001	0.02	<5	<0.01
E900938		2.45	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900939		1.98	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900940		0.70	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900941		1.96	<0.05	0.01	<0.01	0.002	0.01	<5	<0.01
E900942		1.54	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900943		2.52	<0.05	0.02	<0.01	<0.001	0.01	<5	<0.01
E900944		1.91	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900945		1.63	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900946		2.38	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900947		2.22	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900948		1.52	<0.05	0.02	<0.01	<0.001	0.01	<5	<0.01
E900949		1.01	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900950		2.04	<0.05	0.01	<0.01	0.001	0.01	<5	0.01
E900951		1.47	0.16	0.01	<0.01	0.001	0.01	<5	0.07
E900952		1.12	0.55	<0.01	<0.01	0.001	<0.01	6	0.23
E900953		2.31	0.29	0.01	<0.01	0.001	0.01	<5	0.08

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 5-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07087579

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900954		1.50	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900955		2.10	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900956		2.18	<0.05	0.01	<0.01	0.001	<0.01	<5	<0.01
E900957		1.65	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900958		1.38	<0.05	0.02	<0.01	<0.001	0.01	17	0.01
E900959		0.86	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900960		0.10	11.20	0.01	<0.01	0.002	0.01	<5	<0.01

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

CERTIFICATE TR07090447

Project: Del Norte- Midas - E

P.O. No.:

This report is for 64 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-AUG-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: SABINA SILVER CORPORATION
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas - E

CERTIFICATE OF ANALYSIS TR07090447

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900961		1.39	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900962		0.51	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900963		2.37	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900964		0.64	<0.05	<0.01	0.01	0.001	0.02	<5	<0.01
E900965		2.62	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900966		2.57	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900967		2.58	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900968		2.01	0.52	<0.01	<0.01	0.001	0.01	<5	0.18
E900969		0.58	0.11	<0.01	<0.01	0.001	0.01	<5	0.01
E900970		1.12	1.47	<0.01	<0.01	0.001	0.01	<5	0.44
E900971		1.55	3.48	<0.01	<0.01	0.001	0.01	<5	1.09
E900972		2.36	0.24	<0.01	<0.01	0.001	0.01	<5	0.11
E900973		2.41	0.10	<0.01	<0.01	0.001	0.01	<5	0.06
E900974		1.27	<0.05	<0.01	<0.01	0.001	0.01	<5	0.02
E900975		2.58	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900976		2.57	<0.05	<0.01	<0.01	0.001	0.01	<5	0.02
E900977		2.26	0.16	<0.01	<0.01	0.001	0.01	<5	0.03
E900978		1.39	1.73	<0.01	<0.01	0.001	0.01	<5	0.48
E900979		0.93	1.53	<0.01	<0.01	0.001	0.01	<5	0.06
E900980		0.37	0.21	0.01	<0.01	0.002	0.01	<5	0.06
E900981		1.54	0.49	0.01	<0.01	0.001	0.01	<5	0.10
E900982		2.28	0.10	0.01	<0.01	0.001	0.01	<5	0.06
E900983		2.30	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900984		2.38	<0.05	0.01	<0.01	0.001	0.01	<5	0.01
E900985		2.16	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900986		1.83	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900987		2.29	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900988		0.62	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900989		2.60	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900990		2.42	<0.05	0.01	<0.01	0.002	0.01	<5	<0.01
E900991		2.51	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900992		2.47	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900993		2.44	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900994		2.74	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900995		1.98	<0.05	0.02	<0.01	<0.001	0.01	<5	<0.01
E900996		2.49	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900997		2.58	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900998		2.22	0.17	0.01	<0.01	<0.001	0.01	<5	0.07
E900999		0.62	1.53	0.01	0.01	<0.001	0.02	<5	0.58
E901000		0.29	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas - E

CERTIFICATE OF ANALYSIS TR07090447

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900301		2.17	0.17	0.01	<0.01	<0.001	0.02	<5	0.06
E900302		2.20	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900303		2.56	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900304		0.59	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.02
E900305		2.81	0.07	<0.01	<0.01	0.001	0.01	<5	0.01
E900306		0.62	0.10	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900307		1.92	0.15	<0.01	<0.01	0.001	0.01	<5	0.01
E900308		1.27	0.14	<0.01	<0.01	<0.001	0.01	<5	0.01
E900309		2.59	0.07	<0.01	<0.01	<0.001	0.01	<5	0.01
E900310		1.66	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.05
E900311		1.67	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.02
E900312		2.16	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900313		0.78	0.06	<0.01	<0.01	<0.001	0.01	<5	0.39
E900314		1.40	1.43	<0.01	<0.01	<0.001	0.02	<5	0.81
E900315		2.03	0.29	<0.01	<0.01	<0.001	<0.01	<5	0.03
E900316		1.75	0.29	<0.01	<0.01	<0.001	0.01	<5	0.04
E900317		1.74	0.31	0.01	<0.01	0.001	0.06	5	0.20
E900318		1.70	0.20	<0.01	<0.01	<0.001	0.01	<5	0.10
E900319		1.73	0.31	<0.01	<0.01	<0.001	0.01	<5	0.11
E900320		0.11	2.72	0.30	1.05	0.003	4.23	34	0.01
E900321		1.51	2.26	<0.01	<0.01	<0.001	0.01	<5	0.76
E900322		2.60	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.02
E900323		2.60	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900324		2.81	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01

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To: SABINA SILVER CORPORATION
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LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

CERTIFICATE TR07083584

Project: Del Norte- Midas

P.O. No.:

This report is for 47 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083584

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900654		1.74	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900655		1.16	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900656		1.39	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900657		1.97	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900658		1.15	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900659		0.99	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900660		0.13	2.55	0.29	1.00	0.003	4.21	31	0.01
E900661		1.94	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900662		0.50	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900663		0.47	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.02
E900664		2.68	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900665		0.98	0.42	<0.01	<0.01	<0.001	0.01	<5	0.15
E900666		2.45	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900667		2.28	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900669		2.40	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900669		2.24	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900670		2.28	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900671		2.26	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900672		1.26	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900673		2.25	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900674		2.12	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900675		2.28	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900676		2.13	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900677		2.26	0.26	<0.01	<0.01	<0.001	0.01	<5	0.07
E900678		1.31	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900679		2.63	<0.05	0.01	<0.01	<0.001	<0.01	<5	0.01
E900680		1.14	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900681		1.06	<0.05	0.01	<0.01	<0.001	0.02	<5	0.01
E900682		0.77	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900683		1.66	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900684		1.87	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900685		1.88	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900686		1.90	<0.05	0.01	<0.01	<0.001	0.01	<5	0.01
E900687		0.95	0.34	0.01	<0.01	<0.001	0.01	<5	0.10
E900688		1.49	0.59	<0.01	0.01	0.001	0.03	6	0.07
E900689		0.70	0.35	<0.01	<0.01	0.001	0.01	5	0.13
E900690		1.66	0.17	<0.01	<0.01	<0.001	0.01	<5	0.01
E900691		1.32	0.43	<0.01	<0.01	<0.001	0.01	<5	0.02
E900692		0.69	0.10	<0.01	<0.01	<0.001	0.01	<5	0.01
E900693		0.42	0.19	<0.01	<0.01	0.002	0.02	5	0.07

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083584

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900694		0.66	0.22	<0.01	<0.01	0.002	0.05	<5	0.01
E900695		2.43	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900696		2.56	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900697		2.15	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900698		1.08	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900699		1.08	0.07	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900700		0.58	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01

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Finalized Date: 16-AUG-2007
Account: SABSIL

CERTIFICATE TR07082650

Project: Del Norte- Midas

P.O. No.:

This report is for 103 Drill Core samples submitted to our lab in Terrace, BC, Canada on 25-JUL-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: SABINA SILVER CORPORATION
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 16-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07082650

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
900068		1.19	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900069		1.77	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
900070		1.63	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900071		1.36	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900072		1.23	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900073		1.74	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900074		1.49	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
900075		1.63	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900076		1.29	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
900077		1.18	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
900078		1.12	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
900079		2.01	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900080		0.50	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
900081		2.14	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
900082		1.14	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
900083		1.29	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900084		1.34	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
900085		2.50	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
900086		2.53	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900087		2.32	<0.05	<0.01	<0.01	0.001	<0.01	<5	0.03
900088		1.29	0.10	<0.01	<0.01	<0.001	<0.01	<5	0.05
900089		0.04	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.33
900090		1.58	<0.05	<0.01	<0.01	0.001	0.01	<5	0.02
900091		1.52	0.57	<0.01	<0.01	0.001	0.01	<5	0.04
900092		1.76	1.90	0.01	<0.01	<0.001	0.01	<5	0.77
900093		1.90	0.26	<0.01	<0.01	<0.001	<0.01	<5	0.16
900094		2.22	0.46	<0.01	<0.01	0.001	<0.01	<5	0.15
900095		0.50	0.26	<0.01	<0.01	<0.001	<0.01	<5	0.16
900096		1.44	0.43	0.01	<0.01	0.001	0.01	<5	0.22
900097		1.84	1.64	0.01	<0.01	0.001	0.01	<5	0.58
900098		1.68	0.97	0.01	<0.01	<0.001	0.01	<5	0.36
900099		0.54	1.86	<0.01	<0.01	0.001	<0.01	<5	0.87
900100		0.13	2.71	0.32	1.09	0.003	1.60	38	0.01
900101		1.85	<0.05	0.01	<0.01	<0.001	0.01	<5	0.02
900102		1.34	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
900103		0.75	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
900104		1.57	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
900105		1.37	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900106		1.85	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
900107		1.91	0.06	<0.01	<0.01	0.001	0.01	<5	0.16

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Finalized Date: 16-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07082650

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
900108		1.83	2.51	<0.01	<0.01	0.001	0.01	<5	1.24
900109		1.07	0.23	<0.01	<0.01	0.001	<0.01	<5	0.14
900110		1.70	<0.05	<0.01	<0.01	0.001	0.01	<5	0.02
900111		2.03	0.40	<0.01	<0.01	0.001	0.01	<5	0.23
900112		1.65	<0.05	<0.01	<0.01	0.001	0.01	<5	0.02
900113		2.07	<0.05	<0.01	<0.01	0.002	<0.01	<5	<0.01
900114		2.06	<0.05	<0.01	<0.01	0.002	0.01	<5	<0.01
900115		1.61	<0.05	<0.01	<0.01	0.002	0.01	<5	<0.01
900116		1.63	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
900117		1.71	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
900118		1.38	<0.05	<0.01	<0.01	0.002	0.01	<5	0.01
900119		0.29	<0.05	<0.01	<0.01	0.001	0.01	<5	0.04
900120		0.21	<0.05	<0.01	<0.01	0.001	0.01	<5	0.05
900121		1.79	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.02
900122		0.60	3.05	<0.01	<0.01	<0.001	0.02	5	0.41
900123		1.87	3.66	<0.01	<0.01	<0.001	0.02	6	1.09
900124		1.35	4.26	0.01	0.01	0.002	0.05	15	2.47
900125		1.93	0.53	<0.01	<0.01	0.001	0.01	<5	0.34
900126		1.08	0.07	<0.01	<0.01	<0.001	0.01	<5	0.02
900127		1.78	1.37	<0.01	<0.01	0.001	0.01	<5	0.48
900128		2.01	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
900129		1.64	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
900130		1.91	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900131		2.01	<0.05	<0.01	0.01	<0.001	0.03	<5	<0.01
900132		1.90	0.09	<0.01	<0.01	0.001	0.01	<5	0.08
900133		1.85	0.86	<0.01	<0.01	<0.001	0.01	<5	0.37
900134		1.32	1.84	0.01	<0.01	0.001	0.02	<5	0.53
900135		1.83	2.48	<0.01	<0.01	0.001	0.01	<5	0.70
900136		1.76	3.12	0.01	<0.01	0.001	0.01	<5	0.87
900137		0.98	0.57	<0.01	<0.01	<0.001	0.01	<5	0.17
900138		1.58	0.53	<0.01	<0.01	0.001	<0.01	<5	0.09
900139		1.49	0.51	0.01	<0.01	<0.001	0.01	<5	0.13
900140		0.61	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900141		1.86	1.58	0.01	<0.01	<0.001	0.01	<5	0.40
900142		0.88	0.07	0.01	<0.01	<0.001	0.01	<5	0.07
900143		0.79	0.52	<0.01	<0.01	<0.001	0.01	<5	0.15
900144		1.39	1.59	<0.01	<0.01	<0.001	0.01	<5	0.49
900145		1.52	0.13	<0.01	<0.01	0.001	0.01	<5	0.04
900146		1.28	0.28	<0.01	<0.01	0.001	0.02	<5	0.13
900147		2.19	2.97	<0.01	<0.01	<0.001	0.01	<5	1.06

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Finalized Date: 16-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07082650

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
900148		2.13	0.67	<0.01	<0.01	<0.001	0.01	<5	0.26
900149		1.75	1.25	0.01	<0.01	<0.001	0.01	<5	0.60
900150		1.84	0.81	0.01	<0.01	0.001	0.02	<5	0.60
900151		1.49	0.19	0.01	<0.01	0.001	0.02	<5	0.01
900152		1.08	0.17	<0.01	<0.01	0.001	0.02	7	0.02
900153		1.95	0.27	<0.01	<0.01	<0.001	0.01	<5	0.07
900154		1.77	0.70	<0.01	<0.01	<0.001	0.01	<5	0.24
900155		0.72	0.06	<0.01	<0.01	<0.001	0.01	<5	0.02
900156		1.74	0.33	<0.01	<0.01	0.001	0.02	<5	0.14
900157		0.64	0.07	<0.01	<0.01	<0.001	0.02	<5	0.04
900158		1.20	1.87	<0.01	<0.01	<0.001	0.01	<5	0.63
900159		1.21	0.77	<0.01	<0.01	<0.001	0.02	<5	0.40
900160		0.12	10.95	0.01	<0.01	0.002	0.01	<5	<0.01
900161		1.28	1.06	<0.01	<0.01	<0.001	0.01	<5	0.47
900162		1.31	1.43	<0.01	<0.01	<0.001	0.02	<5	0.53
900163		0.84	1.13	<0.01	<0.01	<0.001	0.01	6	0.33
900164		1.48	0.83	<0.01	<0.01	<0.001	<0.01	<5	0.26
900165		1.57	0.97	<0.01	<0.01	<0.001	0.01	<5	0.28
900166		0.97	0.31	<0.01	<0.01	<0.001	0.01	<5	0.07
900167		1.33	0.29	<0.01	<0.01	<0.001	0.01	<5	0.04
900168		2.42	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900169		2.36	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900170		2.01	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01

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Finalized Date: 25-AUG-2007
Account: SABSIL

CERTIFICATE TR07083456

Project: Del Norte- Midas

P.O. No.:

This report is for 92 Drill Core samples submitted to our lab in Terrace, BC, Canada on 30-JUL-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: SABINA SILVER CORPORATION
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 25-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083456

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900001		0.80	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900002		0.61	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900003		1.98	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900004		1.69	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900005		2.35	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900006		1.92	<0.05	<0.01	<0.01	0.001	0.02	<5	<0.01
E900007		1.88	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900008		0.98	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900009		1.59	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900010		1.97	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900011		2.58	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900012		1.42	<0.05	<0.01	<0.01	0.001	<0.01	8	<0.01
E900013		1.09	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900014		1.58	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900015		1.61	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900016		1.52	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900017		1.76	<0.05	<0.01	<0.01	0.001	<0.01	<5	0.01
E900018		2.33	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900019		1.31	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900020		0.66	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900021		1.47	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900022		1.58	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900023		2.38	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900024		2.23	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900025		1.35	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.06
E900026		1.06	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.04
E900027		1.21	0.39	<0.01	<0.01	<0.001	0.01	<5	0.19
E900028		1.25	1.26	<0.01	<0.01	<0.001	0.01	7	0.49
E900029		1.67	<0.05	0.01	<0.01	<0.001	0.01	<5	0.07
E900030		1.71	0.09	<0.01	<0.01	<0.001	0.01	<5	0.02
E900031		1.43	0.16	<0.01	<0.01	0.001	0.01	<5	0.05
E900032		0.59	1.46	0.01	<0.01	<0.001	0.03	<5	0.64
E900033		1.77	0.14	<0.01	<0.01	<0.001	0.01	<5	0.01
E900034		0.45	1.02	0.01	<0.01	<0.001	0.01	<5	0.36
E900035		0.90	1.68	<0.01	<0.01	<0.001	0.02	<5	0.77
E900036		1.17	0.36	<0.01	<0.01	<0.001	0.01	<5	0.18
E900037		2.02	0.07	<0.01	<0.01	<0.001	0.01	<5	0.04
E900038		2.19	0.81	<0.01	<0.01	<0.001	0.01	<5	0.36
E900039		1.04	0.53	<0.01	<0.01	<0.001	0.01	<5	0.17
E900040		0.13	10.50	0.01	<0.01	0.002	0.01	<5	<0.01

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1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 25-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083456

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900041		1.25	0.60	<0.01	<0.01	<0.001	0.01	<5	0.18
E900042		1.08	2.07	<0.01	<0.01	<0.001	0.01	<5	0.66
E900043		2.73	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900044		1.80	0.07	<0.01	<0.01	<0.001	0.01	<5	0.03
E900045		2.37	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900046		1.25	0.71	<0.01	<0.01	<0.001	0.01	5	0.27
E900047		1.43	0.16	<0.01	<0.01	0.001	<0.01	<5	0.07
E900048		0.60	0.04	<0.01	<0.01	0.004	<0.01	<5	<0.01
E900049		2.58	0.63	<0.01	<0.01	<0.001	0.01	<5	0.20
E900050		2.26	0.07	<0.01	<0.01	<0.001	0.01	<5	0.03
E900051		2.09	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900052		2.20	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900053		1.50	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900054		1.31	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.04
E900055		1.97	1.27	<0.01	<0.01	<0.001	0.01	<5	0.63
E900056		1.19	1.62	<0.01	<0.01	<0.001	0.01	<5	0.76
E900057		1.09	2.59	<0.01	<0.01	<0.001	0.01	<5	0.85
E900058		1.24	2.21	<0.01	<0.01	<0.001	0.01	<5	0.83
E900059		0.88	1.30	<0.01	<0.01	<0.001	0.01	<5	0.43
E900060		0.68	1.38	<0.01	<0.01	<0.001	0.01	<5	0.42
E900061		1.38	1.63	<0.01	<0.01	<0.001	0.01	<5	0.43
E900062		1.53	1.57	<0.01	<0.01	<0.001	0.01	<5	0.49
E900063		1.72	0.86	<0.01	<0.01	<0.001	0.01	<5	0.35
E900064		1.33	0.35	<0.01	<0.01	<0.001	0.01	<5	0.07
E900065		1.02	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.04
E900066		1.25	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.03
E900067		1.78	0.13	<0.01	<0.01	<0.001	0.01	<5	0.02
E900171		1.33	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.09
E900172		1.13	0.23	<0.01	<0.01	<0.001	0.01	<5	0.07
E900173		1.28	1.24	<0.01	<0.01	<0.001	0.01	<5	0.42
E900174		1.67	0.54	<0.01	<0.01	<0.001	0.01	<5	0.19
E900175		1.86	0.97	<0.01	<0.01	<0.001	0.01	<5	0.37
E900176		1.42	0.79	<0.01	<0.01	<0.001	0.01	<5	0.40
E900177		0.67	1.27	<0.01	<0.01	<0.001	0.01	<5	0.47
E900178		1.21	0.29	<0.01	<0.01	<0.001	0.01	<5	0.09
E900179		0.47	1.22	<0.01	<0.01	<0.001	0.01	<5	0.39
E900180		0.44	1.20	<0.01	<0.01	0.001	0.01	<5	0.31
E900181		0.61	1.77	<0.01	<0.01	<0.001	0.01	<5	0.55
E900182		0.93	1.84	<0.01	<0.01	0.001	0.01	<5	0.45
E900183		0.74	1.07	0.01	0.01	<0.001	0.01	7	0.29

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LONDON ON N6H 5N1

Finalized Date: 25-AUG-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083456

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900184		0.71	0.49	<0.01	<0.01	0.001	0.01	<5	0.05
E900185		0.63	0.65	<0.01	0.01	<0.001	0.01	<5	0.05
E900186		0.64	0.28	<0.01	<0.01	<0.001	0.01	<5	0.03
E900187		0.75	0.53	0.01	<0.01	<0.001	0.01	<5	0.17
E900188		0.56	1.06	<0.01	0.01	<0.001	0.01	<5	0.39
E900189		1.36	0.61	0.01	0.02	<0.001	0.02	<5	0.21
E900190		0.67	1.39	<0.01	<0.01	0.001	0.02	<5	0.54
E900191		0.89	0.57	<0.01	<0.01	<0.001	0.01	5	0.17
E900192		0.95	<0.05	<0.01	<0.01	0.001	0.02	<5	0.13
E900193		2.23	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900194		2.25	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900195		2.00	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01

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To: SABINA SILVER CORPORATION
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LONDON ON N6H 5N1

Finalized Date: 16-SEP-2007
Account: SABSIL

CERTIFICATE TR07086406

Project: Del Norte- Midas

P.O. No.:

This report is for 3 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8-AUG-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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LONDON ON N6H 5N1

Finalized Date: 16-SEP-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07086406

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900871		0.57	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.05
E900872		2.25	<0.05	0.01	<0.01	0.002	0.01	<5	0.01
E900873		2.74	<0.05	0.01	<0.01	0.001	0.01	<5	0.01

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Finalized Date: 3-OCT-2007
Account: SABSIL

CERTIFICATE TR07083945

Project: Del Norte- Midas

P.O. No.:

This report is for 62 Drill Core samples submitted to our lab in Terrace, BC, Canada on 3-AUG-2007.

The following have access to data associated with this certificate:

SHANA DICKENSON CHRIS PRISTAS	ABRAHAM DROST	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083945

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900701		1.15	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900702		1.03	<0.05	<0.01	<0.01	0.001	<0.01	<5	0.01
E900703		0.84	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900704		1.50	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900705		1.11	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900706		0.46	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900707		0.55	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.06
E900708		2.26	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900709		2.30	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900710		2.30	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900711		1.92	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.06
E900712		1.89	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900713		1.80	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900714		1.93	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900715		1.81	<0.05	<0.01	0.01	<0.001	0.02	<5	<0.01
E900716		1.57	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900717		2.29	<0.05	<0.01	<0.01	<0.001	0.02	<5	<0.01
E900718		2.16	<0.05	<0.01	<0.01	<0.001	0.02	<5	0.02
E900719		0.99	3.10	<0.01	<0.01	<0.001	0.02	<5	0.00
E900720		0.11	11.30	0.01	<0.01	0.002	0.01	<5	<0.01
E900721		2.16	0.71	<0.01	<0.01	<0.001	0.02	<5	0.19
E900722		2.32	<0.05	<0.01	<0.01	<0.001	0.02	<5	0.09
E900723		1.69	<0.05	<0.01	<0.01	0.001	0.02	<5	0.01
E900724		1.56	<0.05	0.01	<0.01	0.001	0.02	<5	0.01
E900725		1.91	2.06	0.01	<0.01	<0.001	0.02	<5	0.52
E900726		1.04	0.25	<0.01	<0.01	<0.001	0.01	<5	0.11
E900727		1.19	<0.05	0.01	<0.01	<0.001	0.01	<5	0.04
E900728		2.54	2.54	0.01	<0.01	<0.001	0.01	<5	0.33
E900729		1.64	0.70	<0.01	<0.01	0.001	0.01	<5	0.24
E900730		0.80	2.53	<0.01	<0.01	<0.001	0.01	<5	0.69
E900731		1.12	1.13	<0.01	<0.01	<0.001	0.01	<5	0.32
E900732		1.95	3.85	<0.01	<0.01	<0.001	0.01	<5	1.00
E900733		1.52	3.41	<0.01	<0.01	0.001	0.01	10	0.83
E900734		0.42	0.49	<0.01	<0.01	<0.001	<0.01	<5	0.07
E900735		0.85	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.02
E900736		1.28	0.53	<0.01	<0.01	0.001	0.01	5	0.15
E900737		1.23	0.39	<0.01	<0.01	0.001	0.01	<5	0.11
E900738		1.11	1.88	<0.01	<0.01	<0.001	0.01	<5	0.74
E900739		0.85	2.55	0.01	<0.01	<0.001	0.02	22	0.84
E900740		0.87	2.50	0.01	<0.01	0.001	0.04	27	0.73

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Finalized Date: 3-OCT-2007
Account: SABSIL

Project: Del Norte- Midas

CERTIFICATE OF ANALYSIS TR07083945

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900741		0.94	2.20	0.01	<0.01	0.001	0.01	10	0.79
E900742		1.66	1.67	0.01	<0.01	0.001	0.04	<5	0.63
E900743		1.91	0.78	0.01	<0.01	0.001	0.02	17	0.38
E900744		1.50	3.62	0.03	0.08	<0.001	0.04	132	0.91
E900745		2.23	1.32	0.01	<0.01	<0.001	0.02	9	0.73
E900746		2.35	0.62	<0.01	0.01	0.001	0.02	<5	0.07
E900747		1.66	<0.05	<0.01	<0.01	0.002	0.03	<5	0.01
E900748		1.89	<0.05	0.01	<0.01	0.001	0.02	<5	<0.01
E900749		0.89	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900750		1.83	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900751		1.79	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900752		1.82	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900753		1.72	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900754		1.74	<0.05	<0.01	<0.01	0.003	0.04	<5	0.01
E900755		2.27	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900756		2.23	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900757		2.37	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900758		2.48	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900759		2.70	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900760		0.41	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900761		0.96	<0.05	0.01	<0.01	0.001	0.01	<5	0.02
E900762		1.21	0.12	<0.01	<0.01	0.001	<0.01	5	0.07

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 21-OCT-2007
Account: SABSIL

CERTIFICATE TR07092550

Project: Del Norte - Midas

P.O. No.:

This report is for 28 Rock samples submitted to our lab in Terrace, BC, Canada on 22-AUG-2007.

The following have access to data associated with this certificate:

ALBERT BRANTLEY CHRIS PRISTAS	SHANA DICKENSON	HARVEY KLATT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **SABINA SILVER CORPORATION**
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
LONDON ON N6H 5N1

Finalized Date: 21-OCT-2007
Account: SABSIL

Project: Del Norte - Midas

CERTIFICATE OF ANALYSIS TR07092550

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
900201		0.84	<0.05	0.03	<0.01	<0.001	<0.01	<5	0.02
900202		0.74	<0.05	0.05	<0.01	<0.001	<0.01	<5	0.03
900203		1.02	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900204		0.66	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900205		0.54	<0.05	0.05	<0.01	<0.001	0.01	<5	<0.01
900206		0.56	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900207		0.59	<0.05	0.02	<0.01	<0.001	0.01	<5	<0.01
900208		0.49	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900209		0.69	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900210		1.67	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900211		0.72	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
900212		0.65	<0.05	0.06	<0.01	<0.001	0.01	<5	<0.01
900213		0.87	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900214		0.70	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
900215		1.28	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900216		0.84	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900217		0.37	<0.05	0.04	<0.01	0.001	0.01	<5	<0.01
900218		0.55	<0.05	0.02	<0.01	0.001	0.02	<5	<0.01
900219		1.23	0.17	0.05	<0.01	0.001	0.01	<5	<0.01
900220		0.37	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
900221		0.78	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
900222		1.27	<0.05	0.03	<0.01	0.001	0.01	<5	<0.01
900223		0.63	<0.05	<0.01	<0.01	0.001	0.02	<5	<0.01
900224		1.34	<0.05	0.05	<0.01	0.001	0.01	<5	<0.01
900225		0.41	147.0	0.28	5.61	0.001	11.20	379	<0.01
900226		0.39	3.45	0.13	7.51	<0.001	5.45	169	0.01
900227		0.47	103.5	0.03	0.49	<0.001	1.42	130	1.35
900228		0.71	50.6	0.11	4.58	<0.001	7.05	186	0.01

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To: SABINA SILVER CORPORATION
1124 GAINSBOROUGH ROAD
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Finalized Date: 13-OCT-2007
Account: SABSIL

CERTIFICATE TR07092549

Project: Del Norte - Midas - E

P.O. No.:

This report is for 52 Drill Core samples submitted to our lab in Terrace, BC, Canada on 22-AUG-2007.

The following have access to data associated with this certificate:

ALBERT BRANTLEY CHRIS PRISTAS	SHANA DICKENSON	HARVEY KLATT

SAMPLE PREPARATION

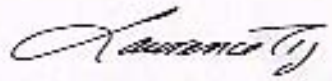
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Mo-AA46	Ore grade Mo - aqua regia/AA	AAS
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: SABINA SILVER CORPORATION
ATTN: SHANA DICKENSON
1004 ALLOY DRIVE
THUNDER BAY ON P7B 6A5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 13-OCT-2007
Account: SABSIL

Project: Del Norte - Midas - E

CERTIFICATE OF ANALYSIS TR07092549

Sample Description	Method	WEI-21	Au-GRA21	Cu-OG46	Pb-OG46	Mo-AA46	Zn-OG46	Ag-GRA21	As-OG46
	Analyte	Recvd Wt.	Au	Cu	Pb	Mo	Zn	Ag	As
	Units	kg	ppm	%	%	%	%	ppm	%
	LOR	0.02	0.05	0.01	0.01	0.001	0.01	5	0.01
E900325		1.55	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900326		1.29	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900327		2.59	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900328		0.58	<0.05	<0.01	<0.01	0.001	<0.01	<5	0.01
E900329		2.45	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900330		1.36	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900331		1.34	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900332		1.11	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900333		2.16	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900334		2.06	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900335		2.93	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900336		2.62	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900337		1.10	<0.05	<0.01	<0.01	0.001	0.01	<5	0.04
E900338		2.30	2.97	<0.01	<0.01	0.001	0.01	<5	1.06
E900339		0.65	0.59	<0.01	<0.01	0.001	0.01	<5	0.16
E900340		0.71	0.50	<0.01	<0.01	0.001	0.01	<5	0.16
E900341		2.76	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900342		2.81	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900343		2.74	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900344		2.76	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900345		2.69	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900346		2.97	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900347		1.85	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900348		1.35	0.36	<0.01	<0.01	0.001	<0.01	<5	0.16
E900349		1.74	0.21	<0.01	<0.01	0.002	0.01	<5	0.03
E900350		3.07	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900351		2.62	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900352		3.21	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900353		2.24	<0.05	0.01	<0.01	<0.001	0.01	<5	<0.01
E900354		2.64	<0.05	<0.01	<0.01	0.001	0.01	<5	<0.01
E900355		2.14	<0.05	0.01	<0.01	0.001	0.01	<5	<0.01
E900356		1.95	<0.05	<0.01	<0.01	0.001	0.01	<5	0.01
E900357		1.76	1.38	<0.01	<0.01	<0.001	0.01	<5	0.54
E900358		1.81	0.68	0.01	<0.01	0.001	0.01	8	0.35
E900359		1.38	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.01
E900360		0.78	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900361		2.55	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900362		1.76	<0.05	<0.01	<0.01	<0.001	0.01	<5	<0.01
E900363		1.68	<0.05	<0.01	<0.01	<0.001	0.01	<5	0.01
E900364		1.66	<0.05	<0.01	<0.01	<0.001	<0.01	<5	0.02

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To: SABINA SILVER CORPORATION
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LONDON ON N6H 5N1

Finalized Date: 13-OCT-2007
Account: SABSIL

Project: Del Norte - Midas - E

CERTIFICATE OF ANALYSIS TR07092549

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA21 Au ppm 0.05	Cu-OG46 Cu % 0.01	Pb-OG46 Pb % 0.01	Mo-AA46 Mo % 0.001	Zn-OG46 Zn % 0.01	Ag-GRA21 Ag ppm 5	As-OG46 As % 0.01
E900365		1.38	<0.05	<0.01	<0.01	<0.001	<0.01	<5	<0.01
E900366		1.13	<0.05	<0.01	<0.01	0.001	<0.01	<5	<0.01
E900367		1.18	0.20	<0.01	<0.01	<0.001	<0.01	<5	0.11
E900368		1.77	0.17	<0.01	<0.01	<0.001	0.01	<5	0.16
E900369		1.89	0.24	<0.01	<0.01	<0.001	0.01	<5	0.12
E900370		1.92	0.14	<0.01	<0.01	<0.001	<0.01	<5	0.07
E900371		2.02	0.32	<0.01	<0.01	<0.001	0.01	<5	0.19
E900372		1.83	0.81	<0.01	<0.01	0.001	0.01	<5	0.39
E900373		1.62	1.15	<0.01	<0.01	<0.001	0.01	<5	0.42
E900374		1.35	0.41	<0.01	<0.01	<0.001	0.01	<5	0.09
E900375		1.23	0.59	<0.01	<0.01	<0.001	0.01	<5	0.14
E900376		1.50	0.23	<0.01	<0.01	<0.001	0.01	<5	0.05

Appendix III: 2007 Drill Logs

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	53.40	51.90	IV	**Intermediate Volcanic:**		900001	4.80	5.30	0.50	tr
				Unit is characterized by a layered sequence of dacite tuff and resedimented andesite all of which exhibit gradational contacts making it very difficult to differentiate between the two. Unit is dominated by dacite tuff. Several small intervals exhibit a moderate to strong sedimentary influence (pic taken). Major amounts of deep red iron carbonate (+/- hematite) occurring in association with fractures and faults. Andesitic interval are defined by an overall increase in mafic minerals resulting in a generally darker color. Andesite exhibits abundant rounded to sub rounded dark black silica clasts as well as numerous black, angular sedimentary fragments (possibly black shale?). Sedimentary fragments are noticeably softer. Dacite tuff is defined by an overall decrease in mafic minerals (intervals are significantly lighter). Numerous quartz eyes occurring sporadically suggesting a more rhyolitic composition (?). Significant amounts of quartz noted throughout interval occurring as both quartz flooding as well as quartz veining. Veins are randomly oriented and are often accompanied by moderate to major amounts of dark green chlorite alteration. Both units host abundant amounts of rounded to sub rounded mafic and felsic volcanic clasts. Clasts range from 1-2 mm up to 2-3 cm is diameter. Unit is strongly fractured consisting of numerous rubbley + broken up zones in addition to several small intervals of fault gouge. Sulphides total only trace amounts and consist of fine grained, finely disseminated py most often occurring in association with dacitic units.		900002	9.95	10.60	0.65	tr
						900003	19.30	20.80	1.50	tr
						900004	20.80	22.30	1.50	tr
						900005	24.60	26.10	1.50	tr
						900006	26.10	27.35	1.25	tr
						900007	27.35	28.55	1.20	tr
						900008	28.55	29.50	0.95	tr
						900009	29.50	30.45	0.95	tr
						900010	30.45	31.85	1.40	tr
						900011	31.85	33.35	1.50	tr
						900012	44.40	45.40	1.00	tr
						900013	45.40	46.60	1.20	tr
				1.50m - 13.90m - Fine grained, greenish grey dacite tuff unit. Strongly fractured interval consisting of numerous small fractured zones (gouge associated with fracturing). Major amounts of iron carbonate. Abundant angular quartz clasts occurring sporadically throughout unit (could possibly represent quartz eyes in a rhyolite unit ?). Few stringer carbonate veinlets noted. Trace amounts of fine grained, finely disseminated py.						
				4.80m - 5.70m - Rubbley interval comprised of numerous sub rounded to angular core fragments. Significant amounts of gouge material noted on fractured surfaces.						
				6.85m - 7.45m - Rubbley interval. Minor amounts of gouge material noted on fractured surfaces.						
				7.75m - 8.00m - Rubbley interval.						
				9.95m - 10.50m - Strong fracturing noted. Minor amounts of gouge noted on fractured surfaces.						
				10.50m - 2" quartz vein oriented @ 80° TCA. Minor dissolution noted as tiny vugs in filled with iron carbonate.						
				12.90m - 13.10m - Fractured interval. Same as above.						
				13.70m - 2" Rubbley section. Core fragments are rounded.						
				13.90m - 18.70m - Medium grained, grey andesite unit. Unit is defined by an increase in dark mafic minerals. Strong red iron carbonate alteration (+/- hematite alteration). Few black, angular sedimentary fragments noted. Interval exhibits a weak sedimentary influence (noted as thin black sedimentary beds often surrounding rounded volcanic clasts - weak soft sediment deformation noted ?). Few dacite clasts noted throughout unit.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	53.40	51.90	**IV**	**Intermediate Volcanic (Cont'd):** 14.35m - 16.25m - Fractured interval. 17.20m - 18.25m - Fractured interval. 16.15m - 18.70m - Medium grained, dark grey andesite. Resedimented (?) 19.30m - 22.35m - Strongly fractured dacite tuff. Intense iron carbonate alteration (possibly hematite alteration). Significant amounts of gouge material noted throughout. 20.90m - 20.95m - Small andesite interval. Intense, pervasive, deep red iron carbonate (+/- hematite alteration ?) alteration. Moderate amounts of gouge material noted throughout interval. Strong fracturing noted with major significant amounts of gouge material noted. 20.95m - 41.45m - Large dacitic unit. Numerous small fractured intervals noted. Strong patchy chlorite alteration often associated with quartz veining. Significant amounts of white quartz occurring as patchy intervals of randomly oriented veining as well as quartz flooding. Abundant assortment of rounded to sub rounded mafic and intermediate volcanic clasts hosted throughout interval. Few white carbonate veinlets noted. Alteration consists of a chlorite + iron carbonate +/- epidote alteration assemblage. Sulphides total trace amounts occurring as fine grained, finely disseminated py. 20.95m - 22.35m - Strongly fractured interval. Major amounts of iron carbonate. Minor to moderate amounts of gouge material noted on fractured surfaces. 24.85m - 24.15m - Several irregular quartz veins noted throughout interval. No sulphides noted. 25.05m - 25.20m - Fractured interval. 25.75m - 1" Fault gouge. 26.10m - 31.85m - Increase in quartz veining throughout interval. 26.15m - 26.35m - Large quartz vein exhibiting numerous internal fractures. Internal fracturing is in filled with iron carbonate + dark green chlorite alteration. No sulphides noted. Oriented @ 30° TCA. 26.15m - 26.35m - fractured interval 26.35m - 26.65m - fractured interval. 26.65m - 26.75m - Small fractured interval. Minor amounts of clay material noted on fractured surfaces. 26.75m - 27.35m - Large quartz vein. Same as above. Major amounts of dark green chlorite + iron carbonate noted. Oriented @ 60° TCA. Fracturing noted. 28.30m - 28.55m - Quartz vein. Same as above. Oriented @ 45° TCA. 30.45m - 30.55m - Numerous small irregular quartz veins. Strong						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	53.40	51.90	**IV**	**Intermediate Volcanic (Cont'd):** iron carbonate alteration noted. No mineralization. Minor fracturing noted 31.20m - 31.70m - Significant amounts of quartz flooding noted throughout interval. Strong chlorite alteration + iron carbonate. No sulphides noted throughout. Fracturing noted. 31.70m - 35.45m - Numerous large, pale pink quartz clasts occurring randomly in addition to several smaller intermediate volcanic clasts. Trace amounts finely disseminated, fine grained py. Dark green chlorite alteration noted. 35.35m - 35.45m - Fractured interval. 35.55m - Small 1" quartz vein oriented @ 38° TCA. 35.80m - 36.70m - Andesitic interval. Weak sedimentary influence noted toward the end of the interval. Strong iron carbonate alteration. Strong fracturing noted. 35.80m - 36.30m - Fractured interval. Significant gouge noted. 40.75m - 41.50m - Fractured interval. 41.45m - 43.90m - Noticeably finer grained interval. Strong bleaching noted throughout interval. Also, there is a noticeable lack of large scale, rounded to sub rounded clasts. No sulphides noted. 44.05m - 1" quartz vein oriented @ 50° TCA. 44.40m - 46.60m - Fault zone hosting numerous white quartz fragments. Major amounts of soft clay material noted on fractured surfaces. Intense iron carbonate alteration. 46.60m - 49.20m - Abundant quartz eyes noted throughout interval 44.40m - 45.10m - Strong fracturing noted 46.65m - 46.15m - Fault gouge 47.55m - 47.80m - Strong fracturing 49.20m - 53.40m - Increase in mafic volcanic clasts throughout interval. 50.35m - 2" Fractured interval. 51.15m - small fractured interval. Significant amounts of gouge noted Contact is sharp and is characterized by an increase in fracturing.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
53.40	62.90	9.50	FZ	**Fault Zone:** Interval is characterized by Intense fracturing as well as major amounts of soft clay like gouge material. Gouge hosts numerous small scale pebbles. Several small intervals of rubbley rounded core fragments. Strong pervasive iron carbonate alteration noted throughout interval.		900014		53.40	54.90	1.50	tr
						900015		59.40	60.90	1.50	tr
						900016		60.90	61.90	1.00	tr
						900017		Blank			tr
						900018		61.90	62.90	1.00	tr
62.90	82.15	19.25	IV	**Intermediate Volcanic:** Fine to medium grained, light grey dacite tuff. Moderate to strong sedimentary influence noted throughout unit. Intense fracturing with major amounts of gouge material noted. Weak localized alteration noted as a pale green tone, possibly chlorite. Strong iron carbonate alteration. Sulphides occur in trace amounts and consist of fine grained, finely disseminated pyrite and acicular aspy. Few randomly oriented quartz veins as well as weak quartz flooding (noted towards the bottom of the unit). Abundant cm scale, rounded to sub rounded volcanic clasts hosted throughout. Localized patches of feldspar phenocrysts noted periodically throughout unit. Numerous randomly oriented carbonate veinlets. 62.90m - 63.40m - Numerous thin, sub parallel quartz veins. No mineralization noted. Veins are generally oriented @ 58° TCA. Trace amounts of carbonate noted along vein boundaries. Trace py also noted. 65.30m - 65.95m - Strongly fractured interval. Shearing noted. Abundant rounded to sub rounded feldspatic clasts in addition to numerous volcanic clasts. Clasts are hosted in a fine grained black matrix. Major amounts of red iron carbonate noted. 66.35m - 66.50m - Large rubbley zone. Core fragments are rounded ranging between 2-3cm in diameter. 66.70m - 2" rubbley section 66.90m - 68.10m - Fractured interval. Exhibits a healed fault gouge texture (numerous internal fractures). Several small fault gouge intervals noted throughout (soft clay also noted on fractured surfaces). 68.35m - 6850m - Same as above 69.20m - 69.30m - Small fractured interval. Dried, granular clay material noted on several fractured surfaces. 69.50m - 3" fractured interval. Same as above. 72.10m - 3" fractured interval. 72.25m - Thin quartz vein oriented @ 50° TCA 73.75m - 73.90m - Fractured interval. 74.25m - Thin quartz carbonate vein oriented @ 60° TCA. 74.80m - 10cm interval exhibiting numerous carbonate + quartz veinlets. General orientation is 61° TCA. 75.10m - 75.20m - Small fractured interval. 75.45m - Quartz vein oriented @ 50° TCA. Minor amounts of iron carbonate. 75.55m - 75.70m - Small fractured intervals exhibiting significant amounts of gouge material on fractured surfaces.		900022		77.75	79.10	1.35	tr
						900023		79.10	80.60	1.50	tr
						900024		80.60	82.15	1.55	tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
62.90	82.15	19.25	IV	**Intermediate Volcanic (Cont'd):** 78.05m - 78.30m - Fractured interval. Numerous small quartz fragments noted on throughout. Quartz fragments host significant amounts of red iron carbonate + finely disseminated py. 79.75m - 79.90m - Strongly fractured interval. 80.85m - 80.40m - Strongly fractured interval. Moderate amounts of gouge noted on fractured surfaces. 81.70m - 81.70m - Fractured interval. Core fragments are angular. Minor gouge noted. 82.05m - Irregular quartz vein, no angle taken. No mineralization. Contact is defined by a major increase in fracturing as well as significant amounts of gouge material.						
82.15	86.20	4.05	FZ	**Fault Zone:** Intense fracturing noted throughout zone. Core fragments are angular with minor amounts of gouge material noted on several fractured surfaces. Similar to previously described fault zone 53.40m - 62.90m.		900025 900026 900027	82.15 83.65 85.15	83.65 85.15 86.20	1.50 1.50 1.05	tr tr tr
86.20	91.60	5.40	IV	**Intermediate Volcanic:** Same as previously described dacite tuff unit 62.90m - 82.15m. Overall, sulphides total ~ 2% and consist of acicular aspy (2%) and trace amounts of py. Few randomly oriented quartz and quartz carbonate veins noted. Strong fracturing noted throughout interval. 86.20m - 86.90m - Slight increase in sulphides totalling ~ 1% overall consisting primarily of acicular and coarse grained blebs of aspy as well as trace amounts of finely disseminated py. Significant amounts of quartz flooding and veining noted throughout interval. Strong fracturing and significant amounts of iron carbonate also noted. 86.70m - Irregular quartz vein exhibiting strong dissolution (numerous small vugs noted). Strong iron carbonate noted. 86.90m - 89.95m - Interval is characterized by a noticeable decrease in aspy. Sulphides total only trace amounts and consists of acicular, disseminated aspy and trace amounts of py. Minor amounts of randomly oriented carbonate veinlets. Strong localized iron carbonate staining. Weak pervasive pale green chlorite alteration and minor amounts of white albite (?). 89.95m - 90.30m - Noticeable increase in acicular aspy totalling ~ 2 - 2.5% overall. Aspy is concentrated along vein boundaries. Trace amounts of py also noted. Numerous irregular quartz veins. Pervasive chlorite alteration noted. Significant amounts of iron carbonate associated with fracturing. 90.30m - 91.30m - tr aspy throughout interval. 91.30m - 91.60m - Interval is defined by a noticeable increase in aspy needles totalling ~ 2% overall. Trace amounts of py also noted. Numerous large rounded volcanic clasts hosted throughout interval. Clasts range between 1-3cm in diameter. Several randomly oriented quartz and quartz carbonate veins. Moderate amounts of iron carbonate occurring in association with fractures. Contact is sharp defined by the presences of a black fine grained matrix. Contact is oriented @ 75° TCA.		900028 900029 900030 900031 900032 900033 900034	86.20 86.90 87.90 88.90 89.95 90.30 91.30	86.90 87.90 88.90 89.95 90.30 91.30 91.60	0.70 1.00 1.00 1.05 0.35 1.00 0.30	1.0% tr tr tr 2.5% tr 2.0%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
91.60	92.15	0.55	**BS**	**Black Shale (andesite with a sedimentary influence ?):** Fine grained, dark grey black shale. Lapilli's range between mm scale up to 3cm in diameter and are of dacitic composition. Few randomly oriented quartz and quartz carbonate veinlets noted throughout interval. Sulphides total ~ 1% and consist predominantly of acicular aspy and trace amounts of fine grained, finely disseminated pyrite Weak iron carbonate alteration occurring in association with fractures. Overall unit is fractured. Contact is sharp oriented @ 70° TCA		900035	91.60	92.15	0.55	1.0%
92.15	103.75	11.60	**IV**	**Intermediate Volcanic:** Similar to previously described dacite tuff unit 62.90m - 82.15m. No foliation noted. Moderately siliceous. Weak sedimentary influence noted. Sulphides throughout this unit total ~ 2% overall and consist of acicular and blebby aspy (2%) as well as trace amounts of py + sph and possibly cpy (?). Strong fracturing noted throughout unit with several small rubbley zones exhibiting rounded to sub rounded core fragments. Moderate chlorite alteration occurring pervasively. Few randomly oriented quartz + carbonate veinlets hosted throughout. Localized red iron carbonate. 92.15m - 93.20m - Sulphides total ~ 1 % overall and consist of perfect acicular aspy. Aspy is occurring pervasively throughout host rock. Trace amounts of py are also noted. Weak pale green tone resulting from chlorite alteration. Several thin, random quartz veins noted. 93.60m - 94.30m - Strongly fractured interval. 93.20m - 94.55m - Noticeable decrease in sulphides throughout interval. Tr aspy. 94.55m - 96.05m - Interval is characterized by a slight increase in aspy. Sulphides overall total ~ 2% and consist of acicular aspy (2%) and trace amounts of py + sph and possibly cpy (?). Sph + cpy are noted in a thin quartz vein. Aspy occurs pervasively throughout entire interval. Strong iron carbonate noted. 95.60m - 96.05m - Noticeable decrease in sulphides throughout interval. Tr aspy. 96.05m - 96.40m - Interval is characterized by an increase in sulphides totalling ~ 1 - 1.5% overall consisting of acicular aspy and tr amounts of fine grained, finely disseminated py. Interval exhibits a pale green tone resulting from a slight increase in chlorite. Several small randomly oriented quartz veins. 96.40m - 96.50m - Rubbley interval. Core lost. 96.50m - 97.90m - Interval hosts ~ 2 - 2.5% acicular as well as blebby aspy. Aspy seems to be concentrated along quartz vein boundaries. Numerous randomly oriented quartz veins noted throughout interval. Minor amounts of carbonate haloing vein. Localized, weak sedimentary influence in addition to abundant rounded to sub rounded felsic clasts noted throughout interval. 97.90m - 99.40m - Overall sulphides total ~ 0.5% and consist primarily of acicular aspy (0.5%) and tr amounts of py. Abundant felsic clasts (lapilli's) hosted throughout interval. Few thin quartz veinlets. 98.65m - 98.80m - Thin andesitic interval. 99.40m - 103.75m - Sulphides total tr amounts and are dominated by tiny py blebs. Minor fracturing noted. Numerous sub parallel dark veinlets which have been in filled with fine grained py. Siliceous. Numerous cm scale, felsic clasts (lapilli's) hosted throughout interval.		900036	92.15	93.20	1.05	1.0%
						900037	93.20	94.55	1.35	tr
						900038	94.55	96.05	1.50	2.0%
						900039	96.05	96.50	0.45	1-1.5%
						900040	Standard # DN3			
						900041	96.50	97.20	0.70	2.5%
						900042	97.20	97.90	0.70	0.5%
						900043	97.90	99.40	1.50	0.5%
						900044	99.40	100.75	1.35	tr
						900045	100.75	102.10	1.35	tr
						900046	102.10	103.75	1.65	0.5%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
92.15	103.75	11.60	IV	**Intermediate Volcanic (Cont'd):** 100.20m - 100.55m - Numerous black sub-parallel veinlets in filled with fine grained py. Veins are oriented at 35° TCA. 100.55m - 100.75m - Fractured interval. 103.05m - 103.75m - Interval is characterized by a slight increase in sulphides totalling ~ 0.5% and consisting of acicular aspy and tr amounts of fine grained, finely disseminated py. 103.65m - 103.75m - Large quartz vein. Red iron carbonate associated with veining. Oriented at 45° TCA. Lower contact is a veined contact. Quartz vein is oriented @ 45° TCA.						
102.75	104.70	1.95	BS	**Black Shale:** Fine grained, black shale unit. Significant carbonate veining occurring as patchy, irregular and often discontinuous veins. Abundant large angular sedimentary clasts throughout. Majority of clasts exhibit strong bedding (thin laminations of greywacke and siltstone) Breccia texture. Unit is extremely chaotic and heterogeneous with numerous small scale faults and folds. Sulphides total ~ tr - 0.5% overall and consist of acicular, disseminated aspy and disseminated py. Unit is fractured. 104.20m - 104.30m - Small dacite sub unit. 104.30m - 104.35m - Quartz vein, no sulphides noted. Vein is oriented @ 80° TCA. Lower contact is fractured, no angle taken.		900047 900048	102.75 103.75	103.75 104.70	1.00 0.95	0.5% tr-0.5%
104.70	120.40	15.70	IV	**Intermediate Volcanic:** Same as previously described dacite tuff unit. Fine grained, light grey unit. Strongly fractured. Weak foliated. Unit exhibits a pale yellowish white tone, possibly albite or iron carbonate (some sections are hard and some are soft?). 105.20m - 106.20m - Strongly fractured interval. Patchy red iron carbonate alteration noted. Sulphides occur in trace amounts consisting of acicular aspy and fine grained, disseminated py. All sulphides are hosted in a fine grained matrix. 106.20m - 111.90m - Interval is characterized by an overall decrease in sulphides. Moderate amounts of fracturing noted throughout unit. 106.50m - 106.70m - Fractured interval. Strong iron carbonate alteration noted Moderate amounts of gouge material noted on fractured surfaces. 111.00m - Joint set oriented @ 40° TCA. 111.90m - 115.50m - Noticeable increase in sulphides totalling ~ 0.5% overall consisting primarily of acicular aspy and coarse grained py. All sulphides occur pervasively throughout unit. Strong fracturing. Patchy iron carbonate alteration which is concentrated at fractures. Few randomly oriented quartz veins exhibiting a thin carbonate alteration halo. 112.75m - Thin quartz vein oriented at 70° TCA. No mineralization noted. 112.90m - Fault gouge. Intense red iron carbonate alteration.		900049 900050 900051 900052 900053 900054 900055 900056 900057 900058 900059 900060 900061 900062 900063 900064	104.70 106.20 107.50 108.80 110.10 111.00 111.90 113.10 113.90 114.70 115.50 Duplicate of 900059 116.30 117.35 118.35 119.35	106.20 107.50 108.80 110.10 111.00 111.90 113.10 113.90 114.70 115.50 116.30 117.35 118.35 119.35 120.40	1.50 1.30 1.30 1.30 0.90 0.90 1.20 0.80 0.80 0.80 0.80 1.05 1.00 1.00 1.05	tr tr tr tr tr tr 0.5% 0.5% 0.5% 0.5% 1.0% 1.0% 0.5% - 1% 1.0%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
104.70	120.40	15.70	IV	**Intermediate Volcanic (Cont'd):** 113.85m - Thin quartz vein oriented @ 65° TCA. 114.30m - 115.00m - Fractured interval. Numerous thin randomly oriented quartz veins. weak patchy iron carbonate alteration. 115.20m - 115.40m - Strongly fractured interval. Few unmineralized quartz carbonate veins. 115.50m - 116.30m - Overall decrease in sulphides totalling trace to 0%. Major fracturing noted. Minor amounts of orange iron carbonate alteration noted. 116.30m - 120.40m - Interval is characterized by a slight increase in sulphides totalling ~1% consisting of acicular aspy (1%) and trace amounts of fine to medium grained py. Aspy tends to be concentrated along quartz and quartz carbonate vein boundaries. Sulphides are occurring as thin stringers as well as pervasively. Contact is defined by a major increase in fracturing as well as significant amounts of gouge material.						
120.40	123.45	3.05	FZ	**Fault Zone:** Fault zone is almost entirely composed of gouge material. Very soft clay. Very difficult to drill passed this point. Gouge is granular hosting abundant tiny pebbles and sub rounded to rounded clasts. Some sections are more coherent than others exhibiting more of a healed fault. Trace amounts of aspy noted.		900065 900066 900067	120.40 121.40 122.40	121.40 122.40 123.45	1.00 1.00 1.05	tr tr tr
123.45	124.80	1.35	IV	**Intermediate Volcanic:** Same as previously described dacite tuff unit 105.25m - 120.40m. Sulphides occurring in only trace amounts consisting of disseminated aspy. Numerous white feldspatic clasts hosted throughout interval. Minor fractured noted. Weak foliation noted. Few black stringers all oriented sub parallel to foliation (possible dark chlorite or simply representative of a weak sedimentary influence?) 123.45m - 12445m - Moderate to strong fracturing. Contact		900171 900172	123.45 124.15	124.15 124.80	0.70 0.65	tr tr
124.80	137.00	12.20	BMLT	**Black Matrix Lapilli Tuff ("3Oz" zone):** Fine grained, black sedimentary groundmass hosting several small dacitic subunits as well as large, cm scale felsic lapilli ranging between 1 to 5 cm in diameter. Lapilli's are rounded to sub rounded, majority are flattened in the top portion of the unit. Interval exhibits strong shearing. Obvious pressure shadows occur around numerous lapilli. Numerous quartz and quartz calcite veins which parallel shearing plans as well as several veins which cross cut bedding suggesting secondary veining. Unit is well bedded. Minor amounts of chlorite alteration noted. Major amounts of gouge material noted throughout interval resulting in poor recovery and significant amounts of core lost. Sulphide occurrences are overall very consistent exhibiting little to no change in composition, grain size and habit. Sulphides total ~ 1% consisting of acicular aspy (1%) and trace py(?). 124.80m - 125.00m - Joint set oriented @ 60° TCA. 125.45m - 125.95m - Dacite subunit. Strong bleaching noted. 128.80m - Small fractured interval 128.85m - 129.00m - Large quartz vein. No sulphides noted. Upper and lower contacts are		900173 900174 900175 900176 900177 900178 900179 900180 900181 900182 900183 900184 900185	124.80 125.80 126.80 127.80 128.80 129.15 129.90 Duplicate of 900178 130.40 131.20 131.90 132.60 133.70	125.80 126.80 127.80 128.80 129.15 129.90 130.40 131.20 131.90 132.60 133.70 134.80	1.00 1.00 1.00 1.00 0.35 0.75 0.50 0.80 0.70 0.70 1.10 1.10	1.0% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0% tr 0.5%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
124.80	137.00	12.20	**BMLT**	**Black Matrix Lapilli Tuff ("3Oz" zone) (Cont'd):** sharp but irregular. Few vugs hosting well developed quartz crystals. 129.90m - 136.20m - Intensely altered interval. Major amounts of gouge material in addition to numerous. irregular and often discontinuous quartz veins hosted throughout. Several intervals exhibit a healed gouge texture. Numerous concentrated quartz and quartz carbonate veinlets occurring in a stockwork texture. Interval hosts numerous large cm scale intermediate volcanic clasts. Major amounts of core lost throughout this interval. 130.40m - 131.20m - Interval is comprised entirely of cm scale, rounded pebbles. Possibly representing a reamed interval? 131.20m - 132.60m - Healed gouge interval. Numerous large, rounded intermediate clasts hosted in a black, fine grained matrix. Trace amounts of fine grained aspy and py are noted throughout. 132.60m - 133.70m - Strongly fractured interval. Significant amounts of gouge in addition to numerous thin quartz veins noted. Numerous intervals of healed gouge. 133.70m - 136.15m - Interval is characterized by being primarily comprised of intermediate volcanic with a high concentrations of randomly oriented quartz veins hosted throughout. Sulphides consist primarily of fine grained, disseminated py (0.5%) and trace amounts of aspy. Py is slightly concentrated along vein boundaries. Strong fracturing noted. Contact is strongly fractured and is defined by an increase in angular quartz core fragments.		900186 900187	134.80 135.90	135.90 137.00	1.10 1.10	1.0% 1.0%
137.00	139.30	2.30	**QV**	**Quartz Vein ("3Oz" vein):** Major amounts of quartz noted throughout interval. Quartz is occurring as cm scale irregular and often discontinuous veins (abundant tension fractures noted). Veins are hosted in a fine grained, black, matrix. Sulphides total ~ 2% finely disseminated py and trace amounts of aspy. Moderate amounts of yellow iron carbonate alteration occurring in association with quartz vein boundaries. Interval s representative of the 3Oz vein. Moderate amounts of graphite noted on some fractured surfaces. Strong fracturing noted. Lower contact is strongly fractured, no angle taken.		900188 900189	137 138.15	138.15 139.30	1.15 1.15	2.0% 2.0%
139.30	142.90	3.60	**BMLT**	**Black Matrix Lapilli Tuff ("3Oz" zone):** Unit is similar to previously described black matrix lapilli tuff at 124.80m - 136.15m. The entire unit is defined by a healed gouge texture. Sulphides total trace amounts and consist of fine grained, finely disseminated py and fine grained aspy. Moderate amounts of graphite noted on some fractured surfaces. Strongly fault/shearing noted. Numerous quartz veins totalling ~ 10% of the overall rock composition. Minor amounts of carbonate occurring as sporadic veining. Lower contact sharp but irregular (intrusive contact). No angle taken.		900190 900191 900192	139.30 140.50 141.70	140.50 141.70 142.90	1.20 1.20 1.20	tr tr tr
142.90	160.05	17.15	**PA**	**Porphyritic Andesite:** Coarse grained, grey prophyritic andesite unit. Abundant cm scale feldspar and amphibole (hornblende?) phenocrysts noted throughout unit resulting in a speckled texture. Minor amounts of fracturing noted.		900193 900194 900195	142.9 144.4 145.9	144.40 145.90 147.40	1.50 1.50 1.50	tr tr tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Zone

LOGGED BY: Shana Dickenson DATE: Tuesday July 10, 2007 HOLE NO. **SDN-07-01**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
142.90	160.05	17.15	PA	**Porphyritic Andesite (Cont'd):**		900698	156.60	157.80	1.20	tr
				(numerous hairline fractures noted throughout unit. Few intervals exhibiting stockwork carbonate veining.		900689	157.80	159.05	1.25	tr
				Sulphides occur in trace amounts as fine grained, disseminated py (possibly trace aspy?)		900700	Blank			
				142.40m - 143.50m - Small fractured interval. Fracturing is weak.						
				144.15m - 144.40m - Fractured interval.						
				146.35m - 146.85m - Fractured interval.						
				149.10m - 149.20m - Small fractured interval.						
				150.00m - 150.20m - Fractured interval.						
				151.45m - Fractured oriented @ 13° TCA.						
				152.65m - 153.80m - Noticeable increase in speckled black amphibole (hornblende?).						
				153.80m - 155m - Interval is characterized by stockwork carbonate veining.						
				155.30m - 155.50m - Small fractured interval. Minor carbonate noted on several fractured surfaces.						
				156.60m - 159.05m - Strong fracturing noted. Minor amounts of gouge. Several slickenside's visible on fractured surfaces. Weak carbonate alteration also noted.						
				EOH 160.05m						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Vein

LOGGED BY: SD/JR DATE: 15-Jul-07 HOLE NO. **SDN-07-02**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	1.50	1.50	**OVB**	**Overburden**						
1.50	53.53	52.03	**IV**	**Intermediate Volcanics:** Fine grained, light greyish green dacite tuff unit. Locally siliceous. Significant amounts of fracturing noted throughout unit (several small rubbley zones and numerous clay rich fault gouges). Patchy intervals of rounded to sub rounded felsic + intermediate volcanic clasts hosted throughout unit occur sporadically. Localized patches of carbonate noted also. Carbonate totals up to 20 % in places occurring pervasively as well as in filling thin, randomly oriented veinlets. Abundant amounts of quartz veining and quartz flooding noted. Veining occurs as sub parallel, cm scale veinlets as well as randomly oriented veins. Overall unit exhibits a weak pale green tone resulting from pervasive chlorite alteration. Patch red iron carbonate alteration also noted. Towards the end of the unit a weak sedimentary influence in noted. 1.50m - 6.40m - Major amounts of internal fracturing note throughout interval. Very siliceous exhibiting numerous sub angular silica clasts and hairline fractures in filled with quartz (?). Localized iron carbonate alteration noted. Unit is sufficiently darker green than underlying dacite tuff resulting from and increase in chlorite. 1.70m - 1.95m - Small fractured interval. 2.70m - 3.00m - Fractured interval. Core fragments are angular and exhibit a minor amounts of pale green chlorite alteration and granular gouge material on fractured surfaces. 6.40m - 13.40m - Major fractured noted throughout interval. Several rubbley zones in addition to major amounts of gouge. Strong iron carbonate alteration noted throughout interval. Few cm scale clasts also noted. 6.40m - 6.45m - Fault gouge. 6.45m - 8.20m - Intensely fractured interval. Core is rubbley and extremely broken up. Core fragments are rounded. Moderate amounts of gouge material noted on fractured surfaces. 8.15m - 8.20m - Fault gouge. 8.50m - 9.85m - Strongly fractured interval. Core fragments are angular and exhibit minor amounts of red clay material on several fractured surfaces. Also, numerous rubbley zones noted defined by rounded core fragments ranging between 1 - 3cm in diameter. 10.30m - 11.75m - Intensely fractured interval. Strong red iron carbonate alteration noted. Core fragments are angular with few small interval exhibiting rubbley, rounded fragments. Noticeable amounts of weathering identified by a deep red rotted texture (possibly resulting from dissolution?). 12.05m - 13.10m - Same as above. Clasts are more abundant throughout interval. 13.85m - Thin fault gouge oriented @ 25° TCA. 14.00m - 2" rubbley interval.		900068	6.40	7.90	1.50	trace
						900069	7.90	9.40	1.50	trace
						900070	9.40	10.90	1.50	trace
						900071	10.90	12.00	1.10	trace
						900072	12.00	13.10	1.10	trace
						900073	19.10	20.20	1.10	shoulder
						900074	20.20	21.20	1.00	trace
						900075	21.20	22.20	1.00	trace
						900076	22.20	23.20	1.00	trace
						900077	23.20	23.95	0.75	trace
						900078	23.95	24.70	0.75	trace
						900079	24.70	26.20	1.50	shoulder
						900080	Blank			

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Vein

LOGGED BY: SD/JR DATE: 15-Jul-07 HOLE NO. **SDN-07-02**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	53.53	52.03	**IV**	**Intermediate Volcanics (Cont):** 15.70m - 16.10m - Fractured interval. Several fractured surfaces exhibit a thick red clay material. 16.65m - 16.95m - Fractured interval. 17.55m - Fracture oriented @ 15° TCA. 18.90m - Fault gouge oriented @ 36° TCA. Minor shearing visible. 19.70m - 19.90m - Fractured interval. Weak shearing visible at upper contact. 19.90m - 20.10m - Weak to moderate sedimentary influence noted throughout interval. Numerous thin subunits of black shale noted. 20.20m - 24.70m - Major increase in quartz veining and quartz flooding throughout interval. Numerous quartz veins running sub parallel to one another @ ~ 50° TCA. Interval exhibits intense internal fracturing, fractures have been in filled with red iron carbonate. Localized patchy dark green chlorite alteration also noted. Minor amounts of carbonate also noted often occurring in association with veins (along vein boundaries). No visible sulphides noted. 20.40m - 20.60m - Rubbley interval. 21.40m - 21.90m - Fractured interval. 24.70m - 32.45m - Fine grained, dark green andesite subunit. Interval hosts minor to moderate amounts of carbonate occurring pervasively and in association with quartz veinlets. 25.40m - 26.00m - Weakly fractured interval. 26.00m - 26.10m - Few sub parallel quartz veins oriented @ 60° TCA. Dark green chlorite alteration noted with in vein. Strong iron carbonate. 26.45m - 26.65m - Intensely fractured interval. Significant amounts of granular gouge material noted throughout interval. Strong iron carbonate alteration noted. Core fragments exhibit angular edges. 26.80m - 27.10m - Fractured interval. 27.95m - 29.25m - Numerous cm scale quartz and quartz carbonate veins oriented @ 70° TCA In addition to large quartz veins, numerous thinner discontinuous hairline fractures in filled with quartz carbonate (veins exhibit a networked texture). Moderate chlorite alteration. 29.35m - 29.85m - Weakly fractured interval. 30.05m - 30.45m - Moderately fractured interval. Minor amounts of quartz flooding and granular gouge material noted. 30.55m - fractured interval. 31.40m - Localized patch of carbonate. 32.45m - 33.75m - Dacite subunit. 33.75m - 45.60m - Andesite subunit. Similar to previously described andesite unit 24.70m - 32.45m 33.25m - Joint set oriented @ 50° TCA. 33.45m - 34.40m - Carbonate totals ~ 20% of the total rock composition. Occurring pervasively throughout interval. Interval is siliceous exhibiting strong quartz flooding. 34.60m - 2" quartz vein oriented @ 50° TCA. No sulphides noted.						

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FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	53.35	51.85	IV	**Intermediate Volcanics (Cont):** 35.05m - Fracture oriented @ 25° TCA. 37.00m - Joint set oriented @ 25° TCA. 38.80m - Fault gouge. 39.05m - 39.25m - Rubbley interval comprised of rounded core fragments. Significant amounts of gouge material and iron carbonate staining noted. 39.40m - Fault gouge 39.60m - 39.90m - Several sub parallel quartz veins oriented @ 45° TCA. Veins range from 0.5cm to 3cm in width. No sulphides noted 42.05m - Joint set oriented @ 35° TCA. 43.35m - 43.50m - Fractured interval. 43.70m - 3" fractured interval. 44.15m - 44.85m - Numerous quartz carbonate veinlets oriented @ 25° TCA. 44.60m - 44.75m - Same as above. Veins are oriented @ 70° TCA. 45.05m - 45.25m - Fractured interval. 45.60m - 53.53m - Fine grained, light grey dacite subunit. Moderate bleaching noted. Pervasive carbonate noted throughout entire interval. Significant amounts of red iron carbonate noted. Weak localized sedimentary influence noted. 45.60m - 2" fractured interval 46.55m - 47.35m - Weakly fractured interval 47.55m - 47.70m - Rubbley interval. Significant amounts of gouge noted. Core fragments are rounded. Intense red iron carbonate alteration noted. 48.30m - Fractured interval. 48.50m - Same as above. 50.55m - 51.00m - Fractured interval. Contact is sharp and is defined by intense fracturing.						
53.35	57.40	4.05	FZ	**Fault Zone:** Intense fracturing noted throughout interval. Major amounts of gouge material noted. Strong iron carbonate alteration noted. Core fragments exhibit rounded to sub rounded edges and range between mm scale up to 2-3 cm in diameter. No mineralization noted.		900081 900082 900083 900084	53.35 54.55 55.75 56.55	54.55 55.75 56.55 57.40	1.20 1.20 0.80 0.85	trace trace trace trace
57.40	132.20	74.80	IV	**Intermediate Volcanics:** Fine grained, light grey dacite tuff. Similar to previously described dacite tuff unit (1.50m - 53.53m) with the exception of numerous intervals exhibiting abundant felsic + mafic clasts (more abundant than previously described unit) Weak sericite alteration occurring as thin wispy running parallel to a weak foliation. Moderate pale green chlorite alteration in addition to weak localized epidote alteration. Minor sedimentary influence noted. 60.05m - 62.65m - Abundant dark felsic + mafic clasts hosted throughout interval. Clasts are		900085 900086 900087 900088 900089 900090	81.75 83.20 84.70 86.20 87.70 88.20	83.20 84.70 86.20 87.70 88.20 89.50	1.45 1.50 1.50 1.50 0.50 1.30	shoulder shoulder shoulder trace trace trace

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57.40	132.20	74.80	IV	**Intermediate Volcanics (Cont):**						trace
				occur sporadically and range from mm size up to 2cm in diameter.		900091	89.50	90.45	0.95	trace
				60.05m - 60.10m - 1 - 1.5% fine grained, finely disseminated py.		900092	90.45	91.60	1.15	trace
				63.40m - 63.50m - Fractured interval.		900093	91.60	92.90	1.30	trace
				63.55m - 63.85m - Same as 60.05m - 62.65m.		900094	92.90	94.20	1.30	trace
				64.40m - 64.50m - Fractured interval.		900095	94.20	94.50	0.30	trace
				64.60m - 65.85m - Strongly fractured interval. Moderate amounts of gouge material noted		900096	94.50	95.60	1.10	trace
				throughout interval. Core fragments range between 0.5 - 5cm in length.		900097	95.60	96.55	0.95	trace
				65.85m - 66.60m - Numerous felsic clasts (possibly rhyolitic in composition ?). Clasts are		900098	96.55	97.60	1.05	trace
				between 1 - 4cm in diameter.		900099	97.60	97.95	0.35	trace
				66.90m - 67.45m - Weak sedimentary influence noted throughout interval.		900100	Standard #DN4			
				67.45m - 67.80m - Black Matrix Lapilli Tuff unit.		900101	97.95	99.15	1.20	trace
				69.75m - 70.80m - Strong sedimentary influence throughout interval. Tr amounts of py noted.		900102	99.15	100.00	0.85	trace
				70.00m - Fault gouge.		900103	100.00	100.45	0.45	trace
				72.00m - 72.40m - Small fractured interval. Core fragments are angular and range between 1 to		900104	100.45	101.50	1.05	trace
				4 cm in diameter. Minor amounts of gouge material noted on fractured surfaces.		900105	101.50	102.45	0.95	trace
				72.40m - 72.60m - Large quartz vein. Contacts are sharp and are oriented @ 40 TCA. Vein		900106	102.45	103.60	1.15	trace
				hosts minor to moderate amounts of iron carbonate. Numerous vugs noted within vein suggesting		900107	103.60	104.80	1.20	trace
				dissolution. Minor chloritic alteration noted along lower vein boundary. Few well formed quartz		900108	104.80	105.90	1.10	trace
				crystals noted. No mineralization noted.		900109	105.90	106.60	0.70	trace
				72.60m - 73.40m - Small andesitic subunit. Interval is defined by a more mafic composition.		900110	106.60	107.80	1.20	trace
				Numerous tension fractures noted close to upper contact, fractures are in filled with orange iron		900111	107.80	109.05	1.25	trace
				carbonate + quartz.		900112	109.05	110.10	1.05	trace
				72.75m - 73.40m - Gradational contact between andesite and dacite.		900113	110.10	111.40	1.30	trace
				73.40m - 75.10m - Numerous sub parallel, thin black veinlets, possibly in filled with chlorite (? Or		900114	111.40	112.70	1.30	trace
				could simply represent a weak sedimentary influence). Veins are oriented @ 20° TCA.		900115	112.70	113.85	1.15	trace
				73.70m - Fractured interval. Minor amounts of quartz noted throughout.		900116	113.85	114.75	0.90	trace
				75.10m - 76.75m - Interval is characterized by abundant sub rounded to angular clasts. Clasts		900117	114.75	115.70	0.95	trace
				are dacitic to andesitic in composition with few pale green chlorite clasts also noted (?). Clasts size is		900118	115.70	116.75	1.05	trace
				variable ranging from mm scale up to 1.5cm in diameter.		900119	116.75	117.20	0.45	trace
				76.05m - 76.40m - Weakly fractured interval.		900120	Duplicate of 900119			
				76.75m - 77.00m Fractured interval containing angular rubble 1 to 4 cm in diameter. Increased		900121	117.20	118.25	1.05	trace
				concentration of iron carbonate. Fine black veinlets occur in rubble possibly composed of chlorite		900122	118.25	119.10	0.85	trace
				77.70m - 77.90m Moderately jointed interval with minor angular rubble		900123	119.10	120.30	1.20	trace
				78.05m - 78.85m Dacite tuff with minor to moderate sedimentary influence in the form of dark		900124	120.30	121.15	0.85	1%
				stingers. Stringers are irregularly shaped and vary in orientation. Discontinuous carbonate veinlets		900125	121.15	122.45	1.30	trace
				occur throughout. Infrequent py occurrences amounting to trace amounts in the interval.		900126	122.45	123.70	1.25	trace
				JR logging		900127	123.70	125.00	1.30	trace

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57.40	132.20	74.80	IV	**Intermediate Volcanics (Cont):**						
				78.85m - 81.60m -Zone of heavy iron carbonate alteration. Few well defined, irregularly shaped dacite intervals 2cm to 5 cm in size. Minor reaction to HCL throughout interval. Quartz flooding and clasts noted.		900128	125.00	126.20	1.20	trace
						900129	126.20	127.40	1.20	trace
						900130	127.40	128.60	1.20	trace
				78.90m - 79.20m Moderately fractured interval with angular fragments		900131	128.60	129.85	1.25	trace
				79.40m Angular rubble. 1cm to 2cm in diameter		900132	129.85	131.00	1.15	trace
				79.95m Angular rubble. 1cm to 3cm in diameter		900133	131.00	132.20	1.20	trace
				80.05m - 80.10m Fractured interval. Contains angular blocks and rubble 1cm to 3 cm in diameter						
				81.10m - 81.15m Fractured interval. Contains blocks and rubble 0.5cm to 3cm in diameter						
				81.60m - 86.95m Dacite tuff containing sub-rounded to angular clasts. Clasts are dacitic to andesitic in composition with occasional chlorite clasts. Clasts vary from mm scale to 2cm in diameter. Localized py inclusions amounting to trace throughout interval. Quartz veining and carbonate veinlets noted. Bottom contact grades into a sedimentary influenced dacite lacking clasts before a sharp contact to a heavily iron carbonate altered interval.						
				83.55m - 83.90m Reamed interval(?). Core shows evidence of re-drilling but source unclear						
				85.55m Fractured core. Contains minor gouge increasing in size to 3cm in diameter.						
				86.25m - 87.45m Heavily fractured interval containing rubble and blocks from 0.5cm to 5 cm in diameter. Interval contains remnants of quartz veins and minor gouge.						
				87.45m - 87.70m Black matrix lapilli tuff. Lapilli vary in size from mm scale to 3cm in diameter and are preferentially oriented 35 degrees TCA. Chlorite associated with the dark matrix stringers. Top contact 45 degrees TCA						
				87.70m - 87.90m Quartz vein. Contacts are sharp but irregular (no measurement taken) . Vein contain chlorite and carbonate sections. Trace amounts of Aspy noted which occur as bands around some of the chlorite. Minor vugs are also present (no bigger than 1cm) with some containing euhedral quartz crystals.						
				87.90m - 94.25m Heterogeneous unit comprised dominantly of dacitic tuff with considerable interbeds of andesite, sedimentary influenced dacite and frequent cm scale quartz veins. Quarts veins run sub-parallel to one another between 65 and 90 degrees TCA. Considerable iron carbonate alteration is noted along most of the joints and the faulted areas. Trace amount of sulphides throughout consisting of aspy, py and possible po. Many joints contain fine films of gouge.						
				87.90m - 88.20m Notable increase in sulphide concentration. Overall sulphides concentration at 0.5%. Approximately half and half py and aspy which both occur in blebs and as fine grains within dark stringers. Possibly trace amounts of fine grained po (?) as areas are mildly magnetic.						
				89.75m - 90.0m Faulted rock containing fine grained gouge and blocks 2cm to 4 cm in diameter						
				90.60m Rotten looking rock containing a 1cm quartz vein and significant iron carbonate						

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57.40	132.20	74.80	**IV**	**Intermediate Volcanics (Cont):** suggesting dissolution. 90.65m - 90.80m Sedimentary influenced dacite with mm scale to 1.5cm lapilli. Lapilli and bedding oriented 45 degrees TCA. Sulphide content remains trace but slightly higher in concentration. Predominantly blebby py with euhedral to anhedral aspy and minor po (?) 90.80m - 91.10m Faulted section containing heavy iron carbonate alteration and gouge with blocks ranging from 1cm to 5cm. 93.35m - 93.50m Quartz vein with sharp contacts 60 degrees TCA. Vein contains iron carbonate and chlorite which occurs as angular fragments 0.5cm to 3cm in diameter within the vein. Sulphides occur in trace amounts consisting of fine grained py, aspy and po. 93.85m - 93.95m Highly fractured rock containing the remnants of quartz veins. Interval consists of gouge and rubble (0.5cm to 2 cm in diameter) 94.25m - 94.50m Quartz vein containing iron carbonate and chlorite. Unlike surrounding veins no notable increase in sulphide content. Contacts are sharp but irregular (no measurement taken) Small vugs throughout vein (less than 1cm in diameter). Minor carbonate infilling of some vugs (mild reaction to HCl) 94.50m - 99.15m Dacite tuff with moderate localized iron carbonate alteration and chlorite veinlets. Veinlets irregularly oriented and are associated with concentration of sulphides. Sulphides occur in traces amounts consisting of py, aspy and po 96.35m - 96.55m Increase in concentration of sulphides to 0.5%. subhedral aspy dominates the concentration with some blebs of py also occurring. 97.70m - 97.85m Increase in concentration of sulphides to 0.5%. Subhedral aspy comprises about half the concentration with blebs of py and po evenly comprising the other half. 98.80m Minor gouge within the joint. 99.15m - 99.90m Dacite tuff with irregular quarts veining and silica flooding. Sulphide concentrations remain at trace levels but are noticeably lower then previous intervals 99.90m - 100.00m Quartz vein. Sharp contacts oriented 80 degrees TCA. No visible sulphides and lacks the vugs of previous veins. 100.00m - 100.45m Felsic fragmental unit. Very siliceous interval containing siliceous clasts which appear to have an internal fracture pattern of their own. Original unit may have been rhyolite with later cementation of the clasts with smokey quartz.						
				103.60m - 108.10m Black shale unit. Heavily quartz veined. Veins near the top of the interval have a slight halo of carbonate. Veins are irregularly oriented and contain vugs (mostly less than 1cm) containing euhedral quartz crystals. Some areas appear to have undergone soft sediment some deformation. Sulphides occur in trace amounts. Blebs of py and subhedral aspy crystals noted. Aspy dominantly occurs in bands or along the edges of quarts veins. 104.30m - 104.80m Dacitic interval with decreased quartz veining and sulphide mineralization						

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57.40	132.20	74.80	IV	**Intermediate Volcanics (Cont):** 106.20m - 106.60m Quartz vein. Contacts sharp but irregular (no measurement taken however, at high angles TCA) Vein contains iron carbonate and chlorite. Small vugs (less than 1cm) present with trace amounts of aspy. Joint surfaces within vein interval contain slickensides and gouge. 108.10m - 110.10m Sedimentary influenced dacite. Some dacitic clasts present which appear to have a halo of sediment. Clasts very from mm scale up and in portions dacite appears to be the only rock type. Interval contains abundant veinlets as well at 0.5cm to 2cm wide veins. 110.10m - 113.60m Calcareous black shale. Erratic veining of carbonate throughout interval which like the shale react strongly to HCl. Lineations evident in the shale possibly soft sediment deformation and ripples (?) No visible sulphides. Bottom contact almost parallel TCA. 115.85m - 116.10m Calcareous black shale. Similar to previous unit but higher concentration of carbonate veining. Gradational bottom contact with increasing volcanic content. 116.10m - 116.75m Heterogeneous black shale unit. Greywacke and siltstone interbeds with a chaotic texture. High degree of soft sediment deformation which the presence of pressure shadows. High percentage of clasts both of sedimentary and volcanic origin. Volcanic clasts are sub-rounded varying from 0.5cm to 4cm in diameter. Sedimentary clasts appear similar to previous shale units and display laminae bedding. Sedimentary clasts vary from sub rounded to sub angular and from 1cm to 3cm in diameter. 116.75m - 117.20m Quartz vein. Contacts abrupt but masked by iron carbonate alteration which is pervasive throughout vein. No sulphides visible. Joints within the interval are heavily weathered and contain minor gouge. Infrequent vugs less than 1cm in diameter. 117.20m - 117.80m Dacite tuff with localized chlorite alteration 117.80m - 122.45m Heterogeneous dacite tuff. Frequent interbeds of andesite. Quartz veins common varying in width from 0.5cm to 6cm. Joints have undergone heavy iron carbonate alteration. Sulphides occur in trace amounts throughout interval with localized increases in concentration. 117.80m Gouge and angular rubble from 1cm to 3cm in diameter 117.95m Gouge and angular rubble from 0.5cm to 2cm in diameter 118.25m - 119.10m Fault. Interval full of fine gouge and blocky rubble. Little cohesion between pieces. 119.75m Rubble section within quartz vein. Gouge and blocks noted. 120.30 to 120.50m Increase in sulphide concentration in a heavily quartz veined zone. Veining is irregular and sulphides tend to follow the orientation of the veins. Concentration of total sulphide is 2 % which in almost entirely comprised of aspy with trace py. Crystals appear fine grained and form in massive blebs. 120.50m - 121.15m Slight Increase in sulphide concentration in comparison to overall unit. Fine stringers appear through portions of the rock seemingly uninfluenced by the orientation of veining. Overall sulphide concentration is 0.5% which is made up of dominantly aspy with notable amounts of fine grained py.						

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57.40	132.20	74.80	**IV**	**Intermediate Volcanics (Cont):** 122.45m - 129.25m Dacitic unit with sporadic interbeds of andesite and clasts of andesite. Bedding contacts are gradational. Cm scale quartz veins occur infrequently throughout interval at high angle TCA. Faint chlorite veining occurs sporadically. Trace amounts of sulphides noted consisting of aspy and py which are found in blebs and finely disseminated. 122.45m - 122.75m Sub-rounded light colored feldspar clasts noted. Area appears to have undergone albitic alteration. 126.80m - 127.10m Fractured interval. Angular blocks and rubble noted varying in size from 0.5cm to 7cm in diameter. Gouge also present throughout interval. Slickenside observed on some of the rubble fragments. 129.25m - 132.20m Sedimentary influenced dacite. Sporadic sedimentary interbeds containing lapilli increase in frequency and thickness. Lapilli vary from mm scale to 3cm in diameter and do not appear to have any preferred orientation. Sedimentary intervals appear to have undergone moderate soft sediment deformation. Quartz veining is infrequent varying from 2cm to 7 cm in width but do not contain any visually identifiable sulphides. Overall sulphides occur in trace amounts with concentration increasing slightly with depth. Euhedral to anhedral aspy noted in approximately equal proportion to disseminated py.						
132.20	162.70	30.50	**BMLT**	**Black Matrix Lapilli Tuff (3Oz zone):** Fine grained black sediment forming the matrix for sub-rounded to rounded lapilli. Lapilli vary from mm scale to to 4cm in diameter and in areas are oriented with the bedding. Sediment has been heavily disturbed and few structures remain however thin bedding and soft sediment deformation is evident. Veining of carbonates and quartz are prevalent throughout with one set following closely with the bedding planes and a second that crosses through the bedding suggesting two phases of veining. Veins that follow bedding tend to be smaller (rarely larger that 1cm) and commonly are discontinuous. Vein set that crosses the bedding are larger (averaging a few cm) and are intact and continuous. Interval is heavily faulted and fractured. Sulphides noted throughout averaging in trace amounts which include aspy, py, sph and possibly gal(?) and po(?) but with sections as high as 3%. Graphite common along joint surfaces. 132.20m - 132.25m Fractured interval containing angular rubble varying from 0.5cm to 2cm in diameter 132.90m - 133.00m Highly jointed interval containing angular rubble and blocks varying from 1cm to 5cm in diameter 134.15m 1cm interval of graphitic gouge running parallel to adjacent quartz veins. Occur at 35 degrees TCA 135.60m - 135.95m Quartz rich interval. Sub-rounded quartz clasts noted at the mm scale. Interval contains numerous veins and considerable quartz flooding. Sulphides occur in trace amounts. Only fine grained py visible. Notable mafic mineral contents rock displays a grey color. 136.20m - 137.25m Quartz rich interval consisting of sub-rounded clasts/quartz eyes (?) in a quartz rich matrix. Small internal fractures have been filled with smoky quartz. Silica flooding near the		900134	132.2	133.40	1.20	trace
						900135	133.4	134.50	1.10	trace
						900136	134.5	135.60	1.10	trace
						900137	135.6	136.30	0.70	trace
						900138	136.3	137.25	0.95	trace
						900139	137.25	138.30	1.05	trace
						900140	Blank			
						900141	138.3	139.35	1.05	trace
						900142	139.35	140.25	0.90	trace
						900143	140.25	141.10	0.85	trace
						900144	141.1	141.95	0.85	trace
						900145	141.95	142.85	0.90	trace
						900146	142.85	143.70	0.85	trace
						900147	143.7	145.05	1.35	trace
						900148	145.05	146.40	1.35	trace
						900149	146.4	147.35	0.95	1%
						900150	147.35	148.25	0.90	1%
						900151	148.25	149.30	1.05	trace
						900152	149.3	150.30	1.00	trace
						900153	150.3	151.45	1.15	trace

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132.20	162.70	30.50	**BMLT**	**Black Matrix Lapilli Tuff (3Oz zone Cont):**						trace
				beginning grades into an area that seems to have undergone albite alteration as the color changes to a more pale white and the quartz clasts are no longer evident. Sulphides remain in trace concentrations with notable aspy and py content.		900154	151.45	152.45	1.00	trace
						900155	152.45	153.45	1.00	trace
						900156	153.45	154.40	0.95	trace
				137.45m - 139.35m Highly jointed interval containing localized sections of gouge at the mm scale.		900157	154.4	154.85	0.45	trace
				137.55m - 137.70m Thick rubble and gouge section. Rubble is sub-rounded to sub-angular varying from 0.5cm to 3cm in diameter. Gouge composed to graphite rich material.		900158	154.85	155.55	0.70	trace
						900159	155.55	156.30	0.75	trace
				Slickensides evident.		900160	Standard	#DN3		
				139.35m - 141.10m Fault interval composed of mostly gouge and sub-angular rubble. Small intervals of gouge appear to be weakly recemented. These sections are on bigger than 6cm increasing in frequency near the bottom of the fault. Slickensides noted throughout the interval.		900161	156.3	157.10	0.80	2%
						900162	157.1	157.90	0.80	2%
						900163	157.9	158.95	1.05	3%
				141.70m 1cm section of gouge.		900164	158.95	159.85	0.90	2%
				141.95m - 143.70m Highly veining interval of black matrix lapilli tuff. Veins consist of quartz with very minor carbonate sections. Some veins appear to be discontinuous with a boudin like texture. Sulphides occur in trace amounts with notable sph blebs and fine grained py and aspy.		900165	159.85	160.80	0.95	trace
						900166	160.8	161.75	0.95	trace
						900167	161.75	162.70	0.95	trace
				146.40m - 148.25m Increased concentrations of sulphides amounting to an average of 1%. Py and aspy each make up about 0.5% with the py concentrated in and around the veins and lapilli while the aspy is most prevalent as euhedral and subhedral crystal in the matrix. Weak iron carbonate staining notes in some of the veined areas.						
				148.60m Angular rubble section with pieces varying from 2 - 4cm						
				148.75m - 149.70m Bedding of sediments occur parallel TCA						
				149.35m - 149.70m Highly fractured interval with joints running sub-parallel TCA. Rubble and fine gouge present near the bottom of the interval.						
				149.75m - 149.80m Rubbley interval consisting of segments 0.5 to 3cm in diameter.						
				150.30m - 151.45m quartz rich interval consisting of abundant veining. Most veining is discontinuous. Minor chlorite veinlets also noted. Sulphides occur in trace amounts mostly consisting of py with infrequent blebs of sph.						
				151.10m - 151.30m Blocky interval with fragment between 2 and 7cm.						
				151.75m - 153.20m Interval of healed gouge. Abundant quartz in sections which appears to have an almost breccia like texture. Joints within the interval contain small amounts of graphite as well as slickensides that have two different orientations on the same joint surface. Chlorite occurs sporadically throughout the interval forming halos around some of the discontinuous quartz veins. Notable increase in concentrations of aspy but overall sulphides occur in trace quantities.						
				153.20m - 153.70m Joint set which is oriented at 30 degrees TCA. Joints contain graphitic slickensides and minor gouge.						
				154.40 - 154.85m Section of healed gouge similar to those previously noted (151.75m - 153.20m) Very little sulphide content. Only finely disseminated py noted.						
				156.30m Small section of sub-angular rubble and gouge.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3Oz Vein

LOGGED BY: SD/JR DATE: 15-Jul-07 HOLE NO. **SDN-07-02**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
132.20	162.70	30.50	**BMLT**	**Black Matrix Lapilli Tuff (3Oz zone Cont):** 156.30m - 158.95m Increase in sulphide mineralization. Patchy intervals about 7cm in width of up to 3%. Both py and aspy occur throughout but tend to concentrate separately. Occasional bands of euhedral aspy noted. Py and aspy occur in equal proportions. 157.90m - 158.80m Fault composed of mostly gouge with rubble up to 2cm in diameter. Slickensides evident on portions of rubble. No sulphide mineralization evident in the gouge however, core on either side contains up to 1% aspy and trace py. 158.95m - 159.85m Quartz vein. Fairly homogenous throughout with the exception of aphanetic sulphide mineralization throughout the vein in concentrations up to 3%. Euhedral aspy also noted with disseminated py. Scattered chlorite occurs at the top of the vein while the bottom includes a small amount of the black matrix lapillli tuff unit. **(3Oz vein)** 159.70m - 159.80m Angular rubble section including fragments from 1cm to 3cm in diameter. Slickensides noted on the rubble. 159.85m - 162.70m Healed gouge interval. Cementation varies from poor to moderately good cohesion. Quartz fragments noted throughout interval however most abundant near the beginning. Sulphide mineralization noted for the first 20cm in trace amounts however no noticeable mineralization in the remainder of the run. Sulphides consist of disseminated aspy and py.						
162.70	178.65	15.95	**IV**	**Intermediate Volcanics** Dacitic to andesitic volcanics with more consistent mafic mineralization then previous intermediate volcanic units. Quartz and carbonate veinlets occur throughout. Sub-angular to rounded quartz clasts are frequent in the core ranging from mm scale to 4cm in diameter. Sulphides occur in trace amounts mainly consisting of py with possible po(?). Several 1 to 3cm wide intervals of concentrated mafic mineral displaying a melanocratic character. 166.60m - 166.80m Highly fractured rock. Interval contains angular rubble and blocks from 1cm to 5cm. 175.60m - 176.15m Highly fractured interval. Section contains small angular rubble sections (1cm wide) as well as thin sections of competent rock. **EOH 178.65**		900168 900169 900170		162.7 164.2 165.7	164.20 165.70 167.20	1.50 1.50 1.50	shoulder shoulder shoulder

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	1.50	1.50	**OVB**	**Overburden:**						
1.50	215.85	214.35	**IV**	**Intermediate Volcanic:**		900501	11.80	13.30	1.50	Trace
				Fine to medium grained, greyish green dacite tuff unit. Unit hosts abundant angular to sub angular, Felsic to		900502	13.30	14.80	1.50	Trace
				intermediate volcanic clasts in addition to several dark black silica clasts. Strong chlorite + iron carbonate		900503	14.80	16.30	1.50	Trace
				alteration occurring pervasively as well as localized epidote alteration. Overall unit is strongly fractured		900504	16.30	17.80	1.50	Trace
				exhibiting several intensely faulted intervals. Sulphides occur in trace amounts consisting of fine grained,		900505	17.80	19.30	1.50	Trace
				finely disseminated py. Iron carbonate alterate is common and most intence adjacent to fractures		900506	19.30	20.80	1.50	Trace
				2.10m - 2.60m - Strongly fractured interval. Numerous core fragments exhibit rounded edges.		900507	20.80	22.30	1.50	Trace
				Strong iron carbonate staining noted.		900508	22.30	23.45	1.15	Trace
				2.60m - 11.80m - Abundant clasts noted throughout interval. Clasts range from mm scale up to 4cm		900509	23.45	24.65	1.20	Trace
				in diameter. Clasts are significantly more concentrated in some intervals looking more like a		900510	48.45	49.15	0.70	Trace
				volcanic conglomerate (?).		900511	58.80	60.30	1.50	Trace
				9.45m - Fault gouge. Soft clay material noted		900512	60.30	61.80	1.50	Trace
				11.80m - 24.65m - Interval can be subdivided into an upper and lower section. The upper section is		900513	61.80	63.10	1.30	Trace
				defined by being less fractured with several large core fragments ranging between 2-6cm in length.		900514	63.10	64.10	1.00	Trace
				The low section exhibits intense faulting with significant amounts of soft clay gouge material and		900515	73.00	74.50	1.50	Trace
				major amounts of deep red iron carbonate and soft red gouge material noted throughout. Core		900516	74.50	76.00	1.50	Trace
				fragments range between 1 - 5cm in diameter with in the fractured interval. Several of the larger		900517	76.00	77.50	1.50	Trace
				fragments exhibit a sedimentary influence. Sulphides occur in trace amounts as fine grained		900518	77.50	79.00	1.50	Trace
				disseminated py. Minor shearing noted. Several sections exhibit a healed gouge texture. Minor		900519	79.00	80.50	1.50	Trace
				amounts of quartz also noted throughout interval.		900520	Blank			
				24.65m - 24.95m - Notable amounts of rounded feldspar clasts hosted throughout. Significant		900521	80.50	81.35	0.85	Trace
				amounts of red iron carbonate. Few random chloritic and intermediate clasts hosted throughout unit,		900522	93.35	93.90	0.55	Trace
				24.95m - 26.45m - Small black shale subunit. Numerous intermediate volcanic clasts noted		900523	99.70	100.70	1.00	Trace
				throughout. Clasts have been stretched along a defined bedding plain. Bedding is oriented parallel		900524	100.70	101.70	1.00	Trace
				TCA. Strong pervasive iron carbonate alteration noted. Lower contact is represented by a thin		900525	101.70	102.80	1.10	Trace
				quartz carbonate vein oriented @ 12° TCA.		900526	102.80	103.80	1.00	1%
				26.45m - 27.30m - Small andesitic subunit. Unit is defined by a noticeable increase in mafic		900527	129.90	130.40	0.50	1%
				minerals. Numerous cm scale intermediate volcanic clasts occurring sporadically throughout interval.		900528	137.20	138.70	1.50	Shoulder
				27.30m - 27.40m - Thick quartz carbonate vein. Significant amounts of iron carbonate. No		900529	138.70	140.20	1.50	Shoulder
				angle taken. No sulphides noted.		900530	140.20	141.70	1.50	Shoulder
				27.40m - 28.55m - Fine grained interval. Very siliceous. Few white, rounded feldspar clasts noted		900531	141.70	142.70	1.00	Trace
				throughout interval. Clasts are angular to sub angular (some small mm scale intermediate clasts		900532	142.70	143.70	1.00	1%
				also noted). Strong localized iron carbonate noted. Interval is generally massive.		900533	143.70	144.70	1.00	Trace
				28.55m - 29.55m - Interval is characterized by a moderate sedimentary influence. Numerous thin		900534	144.70	145.75	1.05	1%
				black, randomly oriented stringers.		900535	145.75	147.00	1.25	Trace
				29.50m - 2" weakly fractured zone.		900536	147.00	148.10	1.10	1%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):**						
				29.55m - 33.50m - Small andesite subunit. Noticeable increase in mafic minerals throughout interval.		900537	148.10	149.20	1.10	Trace
				Interval still exhibits a moderate to strong sedimentary influence. Strong iron carbonate alteration		900538	149.20	150.25	1.05	Trace
				noted. Strong red iron carbonate alteration noted.		900539	150.25	150.75	0.50	3%
				33.50m - 34.35m - Felsic interval. Extremely siliceous with numerous thin sub parallel quartz veins.		900540	Standard	#DN4		
				Moderate amounts of orange to red iron carbonate. Trace amounts of carbonate noted along		900541	150.75	152.00	1.25	Trace
				quartz vein boundaries. Interval could be described as a rhyolite unit (no quartz eyes noted?).		900542	152.00	153.25	1.25	Trace
				34.35m - 36.15m - Interval is characterized by a dark green tone resulting from an increase in		900543	153.25	154.45	1.20	Trace
				chlorite alteration. Significant amounts of quartz flooding noted throughout interval. Minor		900544	154.45	155.05	0.60	2%
				fracturing noted.		900545	155.05	156.10	1.05	1%
				34.25m - 1" rubbley interval. Strong red iron staining noted throughout interval.		900546	156.10	157.10	1.00	3%
				34.45m - Small rubbley interval. Same as above.		900547	157.10	158.10	1.00	2%
				35.45m - 35.70m - Rubbley zone. Core fragments have angular edges and range		900548	158.10	159.10	1.00	Trace
				between 1 - 3cm in diameter. Minor amounts of dissolution noted. Strong iron		900549	159.10	159.90	0.80	Trace
				carbonate + chlorite alteration.		900550	159.90	161.40	1.50	Trace
				36.15m - 36.55m - Felsic interval similar to previously described interval 33.50m - 34.35m. Few		900551	161.40	162.90	1.50	Trace
				randomly oriented quartz and quartz carbonate veinlets noted throughout. Minor amounts of		900552	162.90	164.40	1.50	Trace
				carbonate (often associated with fracturing).		900553	164.40	165.90	1.50	Trace
				36.55m - 45.50m - Interval exhibits similar characteristic as those described in interval 34.35m -		900554	165.90	167.40	1.50	Trace
				36.15m . Dark green chloritic alteration occurring pervasively throughout interval. Numerous dark		900555	167.40	168.90	1.50	Trace
				angular to rounded silica clasts. Clasts vary in size ranging from mm scale up to 1-2cm.		900556	168.90	170.40	1.50	Trace
				Few irregular, discontinuous quartz and quartz carbonate veins hosted throughout. Strong		900557	170.40	171.90	1.50	Trace
				green chloritic alteration occurring pervasively. Minor localized epidote + iron carbonate		900558	171.90	173.40	1.50	Trace
				alteration also noted. Sulphides total trace amounts consisting of finely grained, finely		900559	173.40	174.90	1.50	Trace
				disseminated py. Localized iron carbonate occurring in association with fractures.		900560	Duplicate of 900559			
				45.50m - 57.65m - Very siliceous, pale green dacite tuff interval. Numerous thin mm scale,		900561	174.90	176.40	1.50	Trace
				randomly oriented quartz carbonate veinlets noted throughout interval. Clasts are more		900562	176.40	177.90	1.50	Trace
				abundant towards the top of the interval (clasts are significantly less common). Minor amounts		900563	177.90	178.95	1.05	Trace
				of fracturing noted. Few concentrated intervals exhibiting strong quartz veining. Localized iron		900564	178.95	179.80	0.85	1%
				carbonate alteration. Strong chlorite alteration occurring pervasively.		900565	179.80	180.65	0.85	1%
				45.50m - 46.15m - Weak shearing (?) noted throughout interval. Clasts have been		900566	180.65	181.75	1.10	Trace
				stretched or flattened parallel to shearing plain.		900567	181.75	182.85	1.10	Trace
				47.20m - 47.60m - Rubbley interval. Significant amounts of granular mud like material		900568	182.85	183.95	1.10	Trace
				noted. Core fragments are often rounded or sub rounded.		900569	183.95	185.05	1.10	Trace
				48.45m - 48.60m - Fractured interval. Abundant amounts of quartz noted.		900570	185.05	186.15	1.10	Trace
						900571	186.15	187.25	1.10	Trace
				48.60m - 49.15m - Several thin sub parallel quartz veinlets noted throughout interval.		900572	187.25	188.35	1.10	Trace
				Veins exhibit a thin carbonate alteration halo. Minor amounts of epidote + iron		900573	188.35	189.40	1.05	Trace

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):**						
				carbonate alteration also noted. Numerous tiny black grains noted throughout		900574	189.40	190.25	0.85	Trace
				unit (possible amphibole?).		900575	190.25	191.05	0.80	Trace
				57.65m - 66.85m - Strong fracturing noted. Core fragments throughout unit are angular. Major		900576	191.05	192.00	0.95	Trace
				amounts of deep red iron carbonate alteration noted. Significant amounts of gouge. Unit is		900577	192.00	192.95	0.95	Trace
				characterized by numerous hairline fractures which have been in filled with iron carbonate.		900578	192.95	193.90	0.95	Trace
				Hairline fractures occur in a networked texture. Few irregular and discontinuous quartz		900579	193.90	194.90	1.00	Trace
				carbonate veins. Iron carbonate is extremely intense making rock identification difficult.		900580	Blank			
				Few rounded intermediate clasts also hosted throughout fractured interval.		900581	194.40	195.90	1.50	Trace
				58.80m - 64.10m - Intensely fractured interval. Major gouge material noted.		900582	195.90	196.90	1.00	Trace
				66.85m - 69.75m - Rubbley interval consisting predominantly of rounded pebbles and sub		900583	196.90	197.80	0.90	Trace
				rounded core fragments. Drillers have indicated a cave. Moderate amounts of gouge		900584	197.80	198.25	0.45	1%
				material noted in several sections.		900585	198.25	198.75	0.50	2%
				JR Logging		900586	198.75	199.85	1.10	Trace
				70.00m - 71.30m Highly fractured interval. Rubble and blocks throughout measuring between 0.5cm		900587	199.85	200.95	1.10	Trace
				and 9cm in size. Light to moderate iron carbonate staining noted. Occasional micro fractures noted		900588	200.95	202.15	1.20	Trace
				which have been filled with chlorite. Localized increases in quartz content with mm scale sub-rounded		900589	202.15	203.25	1.10	Trace
				quartz clasts also observed.		900590	203.25	204.55	1.30	Trace
				72.60m - 72.85m Dacitic tuff containing small amounts of a fine grained pink mineral occurring in		900591	204.55	205.55	1.00	Trace
				blebs and as fine grains dispersed through the matrix. Possibly ankerite (?). Dark green chlorite also		900592	205.55	206.55	1.00	Trace
				noted.		900593	206.55	207.65	1.10	1%
				73.00m - 81.35m Silica flooding. Interval displays heavy micro fracturing which has bee in filled		900594	207.65	208.70	1.05	Trace
				with a combination of chlorite, iron carbonate and silica. Fragments are sub-angular and vary		900595	208.70	209.70	1.00	Trace
				from mm scale to 3cm. Sparse dacite intervals noted. Heavily fractured intervals occur which		900596	209.70	210.70	1.00	Trace
				contain fragments of the micro fractured rock suggesting they occurred after the silica flooding and		900597	210.70	211.70	1.00	Trace
				chlorite and iron carbonate alteration. Localized gouge noted on fracture surfaces.		900598	211.70	212.70	1.00	Trace
				73.00m - 74.80m Rubbley interval containing sub-rounded to angular fragments gouge		900599	212.70	213.70	1.00	Trace
				sections common throughout.		900600	Standard	#DN3		
				75.30m - 76.60m Rubbley interval containing sub-rounded to sub-angular fragments no		900601	213.70	214.70	1.00	Trace
				larger than 2cm in diameter.		900602	214.70	215.85	1.15	Trace
				77.95m Thin section angular rubble and gouge						
				78.10m - 78.25m Gouge interval with minor angular rubble fragments.						
				81.40m - 81.60m Gouge interval with angular fragments of andesite.						
				81.60m - 82.75m Andesite. Notable increase in mafic minerals. Possible mild sedimentary influence as						
				dark irregular bands occur throughout.						
				82.50m - 82.55m Angular rubble varying between 1 and 3cm in diameter.						
				82.75m - 84.35m Heavy iron carbonate alteration. Localized silica rich intervals possibly silica						
				flooding (?) or large amounts of quartz clasts (alteration hides the texture). Heavy fracturing occur						

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

OGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):** throughout with sub-rounded to angular block and rubble. Minor gouge is common on joint surfaces. 82.75m - 82.85m Thick interval of gouge with sub-angular rubble fragments. 84.35m - 85.40m Dacitic tuff with up localized blebs and small stringers of sulphides. Total concentration amounts to 0.5% consisting of mostly py and trace aspy. Quartz clasts noted throughout occurring as sub-rounded to sub angular fragments of shattered larger clasts. Infrequent chlorite veinlets noted. 85.40m - 86.00m Heavy iron carbonate alteration. Interval appears similar to interval from 70.00m - 81.35m. More sub-rounded quartz clasts observed and a lack of micro fracturing. 86.65m - 88.30m Highly fractured interval which has undergone intense iron carbonate alteration. Silica flooding and quartz clasts noted throughout with fine veinlets of chlorite. Minor gouge occures on fracture surfaces. 88.30m - 93.35m Minor sedimentary influence in the form of dark bands throughout interval. 93.35m - 93.90m Quartz vein. Contacts sharp but irregular (No measurement taken). Vein hosts thin dacite intervals with some iron carbonate alteration near the lower boundary. Minor chlorite alteration noted. No sulphide mineralization noted. 95.75m - 100.45m Dacitic tuff containing sub-rounded to rounded clasts of andesite, chlorite and some quartz. Dacite is slightly more felsic then previously observed with infrequent mafic bands. Localized areas of sedimentary influence. Clasts preferentially oriented at 35 degrees TCA. Trace sulphides noted occurring in some of the andesite clasts. Sulphides consist of mostly py with a single euhedral aspy crystal noted. 99.20m Thin section of gouge. 99.65m - 100.25m Highly fractured interval with a slight increase in silica possibly the result of silica flooding (?). Heavy iron carbonate alteration throughout. Vugs noted 1 to 2 cm in diameter. Thin sections of fine rubble and occasional gouge throughout. 100.45m - 102.85m Heavily faulted interval. Mostly sub-angular to angular rubble with cm scale gouge intervals. Slickensides occur on most of the rubble fragments. Occasional quartz veins noted some with a boudinaged texture and others with small tight folds. 102.85m - 103.80m Heavily quartz veined interval. Veining is irregular and discontinuous. Minor carbonate segments noted. Slight red iron carbonate staining. Sulphides occur at trace amounts but are concentrated near the beginning of the interval as high as 1% locally. Approximately equal proportions of py and aspy noted possible trace po (?) 103.80m - 110.90m Dacite tuff with an increase in felsic minerals. Localized epidote alteration noted. Occasional dark banding of mafic minerals with a melanocratic texture. Minor sedimentary influence in the form of clearly defined dark undulating bands. Gradual increase in lapilli near the bottom of the interval with irregular orientations varying from mm scale to 4cm in diameters. Sulphides occur in trace amounts mainly consisting of py with trace aspy(?). Sulphides are concentrated in the host rock						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):** surrounding small quartz veins which run at high angle TCA. 106.90m - 107.00m Large quartz veins with sharp contacts 40 degrees TCA. Vein is homogeneous with frequent vug 0.5 to 1cm in diameter. No sulphide mineralization. 110.90m - 115.05m Andesite. Moderate sedimentary influence associated with dacitic lapilli near upper contact. Mesocratic intervals occur throughout varying in with from 0.5 to 3cm. Prevalent veinlets of quartz and carbonate noted with varying orientations. Quartz veins 1 to 3cm and oriented at 85 degrees TCA. Sulphides occur in trace amounts. 111.90m - 112.65m Increase in sulphide concentration. Blebs of mostly py with possible trace aspy (?) and po(?) up to 1cm in diameter noted. Over all concentration remains trace. 112.65m - 113.25m Silica flooding. Sub-rounded quartz clasts mm scale to 2cm in diameter noted. No sulphides noted. 115.05m - 117.75m Varies between diorite and andesite with alternation between felsic and mafic rich mineral bands. 1 to 2cm quartz veins prevalent many of which contain small mm scale vugs. Quartz clasts noted up to 2cm in diameter which have a shattered texture. Trace amounts of sulphides noted consisting of mostly py and some fine grained aspy. 117.75m - 125.65m Dacite tuff with prominent sub-parallel quartz veins. Veining oriented between 60 and 70 degreed TCA varying in width from 0.5 to 2cm. Large elongate dacite clasts oriented parallel TCA running from 118.20m to 118.45m with banded foliations of mafic mineral running parallel. Sub-rounded to rounded quartz clasts noted throughout containing micro fractures that have been filled with erratically oriented veinlets. Banding of poorly defined andesite intervals occurs near the bottom of the interval. 120.15m - 120.85m Heavy iron carbonate alteration. 123.65m - 125.05m Moderate quartz flooding. Abundant quartz clasts throughout ranging from mm scale to 2cm in diameter. Prominent micro fractures noted that have been filled with smokey quartz. No sulphide mineralization noted. 125.65m - 137.90m Andesite with heavy chlorite alteration. Deep green color noted throughout interval with moderate to heavy stockwork quartz and carbonate veining. Some veins exhibit bleaching of surrounding rock. Small stringers of finely disseminated py and trace aspy noted. Slickensides noted on some fracture surfaces which occur at high angle TCA. Gradational bottom contact as chlorite alteration begins to fade and turns into veins within an unaltered andesite unit. 126.65m - 127.20m Lapillis noted varying from mm scale to 3 cm in diameter. Slight sedimentary influence with dark banding running throughout. 129.60m - 130.45m Bleached interval. Only aspy noted in the alteration interval found here concentrated around a small quartz vein 1cm in width oriented at 50 degrees TCA Aspy occurs in euhedral crystals as well as possibly in fine grained blebs of py. 1% sulphides, 0.5%py and 0.5% aspy. 132.55m - 135.00m Heavily bleached interval. Veinlets of chlorite noted throughout.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):** 135.90m - 136.25m Heavy bleaching with moderate quartz veining (5cm wide) Subhedral cubic py crystals noted along the boundary of the veins. 137.90m - 141.70m Andesite. Light to moderate chlorite alteration near the top contact. Alteration confined to areas adjacent to chlorite veins. Quartz veining occurs sporadically throughout. 139.75m - 141.70m Pyroclastic textured andesite. Clasts occur at the mm scale varying from sub-angular to sub-rounded and in composition but generally are more felsic then host rock. 141.70m - 159.90m Bleached dacite. Light in color but silica content seems relatively low. Occasional quartz veining throughout interval oriented at high angles TCA with widths from 5 to 2cm. Sulphides average concentration throughout is 1% with intervals as high as 3%. Finely disseminated and subhedral mm scale py crystals noted with euhedral to subhedral aspy crystals. Py and aspy 0.5% each. 141.80m - 142.05m Pyroclastic andesite as noted above. 145.75m - 147.00m Fault. Large amounts of gouge and fractured rock. Several quartz veins measuring 2cm in width occur within the fault zone but are only mildly fractured. Sulphides noted in a portion of healed gouge surrounding the fragments of core. Py and aspy noted occurring in trace amounts. 147.50m - 147.70m Highly fractured rock. Interval contains angular rubble 1 to 2cm in size. Fragments of a quartz vein contained in the fractured rock. 150.25m - 150.75m Concentration of sulphides totaling 3%. Subhedral py (2%) and euhedral aspy (1%) noted evenly distributed through the rock. Dark veinlets noted in this interval that do not occur in surrounding rock, chlorite (?) 154.40m Angular rubble 0.5 to 2cm in diameter. 154.45m - 155.05m Concentration of sulphides amounting to 2%. Joints in this interval have undergone moderate iron carbonate alteration. Even amounts of subhedral py and aspy noted. 158.10m - 159.90m Notable decrease in concentration of sulphides. Infrequent finely disseminated py noted. 159.10m Fragmented andesite surrounded by chlorite veins. Fragments have a pyroclastic texture with a very thin halo of alteration. Fragments vary between 1 and 5cm in diameter. 159.90m - 176.65m Heavily chlorite altered andesite. Interval is dark green with light green sections of bleaching and grey intervals of mild chlorite alteration. Quartz and carbonate veining is pervasive with no preferred orientation occurring sub-parallel over very short intervals. Chlorite veins noted and most distinct in the bleached intervals. Sulphides occur in trace amounts (much less than previous noted amounts) consisting of						

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

OGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):** occasional blebs of py hosted in the quartz veins and infrequent flecks of disseminated py in the matrix. 161.25m - 161.35m Highly fractured interval. Fragments are long and thins as several high angle fractures intersect here. 166.90m - 168.70m Veins in this interval have a large alteration halo that has bleached the surrounding rock for up to 5cm. Slight increase in sulphide concentration as more noticeable py blebs contained in theses veins. 170.70m - 172.35m Bleached interval with minor stockwork chlorite veinlets. 172.35m - 173.10m Mild chlorite alteration. More noticeable mafic character. Minor chlorite veinlets noted. 176.65m - 202.15m Bleached dacite. Minor concentrations of mafic minerals mesocratic in character. Chlorite veinlets noted throughout with localized minor alteration of host rock. Prominent quartz veining noted between 45 and 70 degrees TCA. Sedimentary influence noted throughout and becomes more prevalent with proximity to bottom contact. Sulphides occur in trace concentrations with intervals as high as 3% consisting of dominantly euhedral to subhedral aspy with occurrences of anhedral to subhedral py. Possible trace cpy noted as small granular masses in quartz veins (?) 178.95m - 180.65m Moderately fractured interval. Occasional small sections of angular rubble with fragments between 1 and 2cm in diameter. Slight concentration of mafic minerals with an increase in quartz veining. Veins contain vugs less than 1cm in diameter. Sulphide concentration is 1% with even amounts of py and aspy. 184.80m Trace cpy(?) noted. 189.40m - 191.40m Strong sedimentary influence. Numerous dacitic clasts oriented with the long axis parallel TCA. Clasts range in size from 1 to 8cm in length. Single k-feldspar rich coarser grained clast noted. Crystals on the mm scale. Long axis of the clast measures 20cm and also oriented parallel TCA. Poorly developed bedding noted running parallel to the edges of the casts. 191.40m - 193.90. Fault zone. Large sections of fine granular gouge and healed gouge noted. Frequent intervals of angular to sub-angular rubble occur. 192.60m - 193.90m Increased amount of silica rich competent core however, joints contain thick intervals of gouge (>5cm) which likely are related to faulted interval immediately before. 197.85m - 198.05m Quartz vein with sharp boundaries at 45 degrees TCA Small mm scale vugs noted with subhedral quartz crystals noted. Slight							

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

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METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
1.50	215.85	214.35	**IV**	**Intermediate Volcanic (Cont):** concentration of aspy occurring as whispy bands near the edge of the vein and in the host rock. 198.25m - 198.70m Concentration of aspy in and around a dispersed quartz vein. Within the vein aspy and trace py occur as fine bands near the edge. Aspy in the dacite surrounding occur in blebs measuring up to 3cm in diameter of euhedral crystal. Over all sulphide content 2%. Fine chlorite banding noted within the quartz. 201.95m - 202.15m Quartz vein with sharp but irregular contacts (no measurement taken) Significant carbonate content in the form of angular fragments cemented in the quartz. No notable change in sulphide content. 202.15m - 208.70m Heavily sedimentary influenced andesite. Significant portion of the interval contains banding of dark sediments. Intervals of pyroclastic textured andesite noted. Sub-rounded clasts and lapilli occur in separate intervals throughout with lapillis occurring more near the bottom of the interval. Sulphide mineralization occurs in highly varied quantities as are dependent on the nature of the clasts contained in a specific interval. Over trace concentrations noted consisting of mostly py and aspy with trace sph and possibly po (?) occurring. 202.15m - 203.25m Pyroclastic textured andesite. Contains only observed sph. Clasts consist of mostly dacitic material and vary from mm scale to 4cm in diameter. 203.25m - 203.90m Strong sedimentary influenced interval. Micro faulting noted. Obvious movement of blocks among healed fractured, unclear if it occurred during sedimentation or after lithification. See photo - micro faults 203.55m 203.90m - 204.55m Pyroclastic textured andesite. Similar in appearance to previously noted unit. 206.00m - 206.05m Angular rubble interval with a considerable gouge component. Rubble varies from 0.5 to 2cm in diameter. 206.55m - 207.65m Increase in sulphide concentration to 1%. Even amounts of blebby py occurring in the black matrix and aspy occurring in and around lapilli. 208.70m - 215.85m Dacite tuff with minor sedimentary influence. Trace sulphides occur throughout interval with localized, 10cm concentrations of 1%aspy. Disseminated py noted throughout. 209.45m - 209.75m Highly fractured interval contain minor angular rubble sections and gouge on the surface of the joints. 213.35m - 213.70m Highly fractured interval. Intersection of joints oriented at low angle TCA and a second set occurring at near 90 degrees TCA. 215.00m - 215.55m Highly fractured interval containing sub-angular rubble in small sections throughout interval.					

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
215.85	260.10	44.25	**BMLT**	**Black Matrix Lapilli Tuff(3 oz Zone):**		900603	215.85	216.95	1.10	Trace
				Fine grained sedimentary matrix hosting varying degrees of mm to cm scale lapilli dominantly of dacitic		900604	216.95	218.05	1.10	Trace
				composition however occasional andesitic composition noted. Numerous intervals of intermediate		900605	218.05	219.15	1.10	Trace
				volcanics occur within the unit suggesting a fingering of the 3oz zone with depth when compared to		900606	219.15	220.35	1.20	Trace
				hole SDN-07-01 and SDN-07-02 drilled at shallower angles on the same setup. Heavy quartz and carbonate		900607	220.35	221.65	1.30	Trace
				veining through the black matrix material. Many veins are discontinuous with many exhibiting a		900608	221.65	223.10	1.45	Trace
				boudinaged texture and others containing small crenulations. Veining is much more random then		900609	223.10	223.75	0.65	Trace
				previously noted in SDN-07-02's BMTL unit. Heavy fracturing has occurred		900610	223.75	224.05	0.30	Cave
215.85	260.10	44.25	**BMLT**	**Black Matrix Lapilli Tuff (3 oz Zone)Cont:**						
				throughout and numerous meter scale faults occur. Thin graphitic intervals occur on the surfaces of		900611	224.05	224.40	0.35	Trace
				joints along with prevalent slickensides. Sulphide mineralization occurs throughout averaging 0.5 to 1% with		900612	224.40	224.70	0.30	1%
				small intervals as high as 4%. These consist of dominantly aspy with py trace cpy		900613	224.70	225.40	0.70	Trace
				220.35m - 222.45m Increased concentration of irregularly shaped volcanic blebs and		900614	225.40	226.15	0.75	3%
				stringers. These measure up to 1cm in width possibly suggesting the fingering out		900615	226.15	227.05	0.90	3%
				of an adjacent volcanic interval (?)		900616	227.05	227.95	0.90	1.5%
				223.10m - 224.40m Faulted interval. Dark graphite rich gouge throughout with localized		900617	227.95	229.15	1.20	Trace
				small sections of angular rock fragments measuring about 0.5cm in diameter. Near		900618	229.15	230.45	1.30	Trace
				the bottom contact healed gouge noted with an increase quartz content.		900619	230.45	231.65	1.20	Trace
				223.75m - 224.05m Drillers indicated a caved section. Re-drilled rock		900620	Duplicate of 900619			
				with heavy iron oxide staining noted. Rock does not appear to have		900621	231.65	232.75	1.10	1%
				any relation to surrounding rock.		900622	232.75	233.90	1.15	Trace
				224.40m - 224.70m Quartz flooding. Interval has undergone intense micro fracturing		900623	233.90	235.05	1.15	Trace
				which has been in filled with smokey quartz. Minor chlorite composition noted. Sulphide		900624	235.05	236.55	1.50	Trace
				concentration noted as 1% comprised of dominantly blebs of py with trace fine grained		900625	236.55	236.90	0.35	Trace
				aspy.		900626	236.90	238.30	1.40	Trace
				225.40m - 227.05m Faulted interval containing grey gouge rich in fragments of quartz.		900627	238.30	239.90	1.60	Trace
				Numerous small intervals within the gouge hosts competent core or angular rubble measuring		900628	239.90	240.55	0.65	Trace
				up to 3cm in diameter. Sulphides noted throughout the gouge and fragments of rock.		900629	240.55	241.05	0.50	1.5%
				Overall concentration noted at 3%. 2% Euhedral to fine grained aspy crystals noted and 1%		900630	241.05	242.10	1.05	Trace
				anhedral py occurring as blebs in the competent intervals and as occasional flakes in the gouge.		900631	242.10	243.15	1.05	Trace
				227.05m - 231.65m Dacitic interval. Minor to moderate chlorite alteration and a minor		900632	243.15	244.15	1.00	Trace
				sedimentary influence noted. Veining considerably less prevalent however small mm to 2cm		900633	244.15	245.15	1.00	Trace
				quartz veins do occur. Sulphides occur in patches amounting to a trace concentration throughout		900634	245.15	246.15	1.00	Trace
				with intervals as high as 1.5%.Most mineralization occurs in the edges of veins or as fine		900635	246.15	247.15	1.00	1%
				stringer. Py and aspy occur in even amounts.		900636	247.15	247.65	0.50	2%
				227.05m - 227.95m Concentration of sulphides amounting to 1.5%. Stringers		900637	247.65	248.95	1.30	1%
				of fine grained aspy and py pervasive throughout interval.		900638	248.95	250.20	1.25	Trace
				231.65m - 232.75m Heavy quartz veining. Veins are irregular and discontinuous. Sulphides		900639	250.20	251.65	1.45	Trace

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
215.85	260.10	44.25	**BMLT**	**Black Matrix Lapilli Tuff (3 oz Zone)Cont:**						
				occur as most py blebs with trace aspy totaling to a 1% overall concentration.		900640	Blank			
				232.05m Highly fractured interval with angular fragments.		900641	251.65	252.85	1.20	Trace
				235.85m - 235.85m Graphite rich rubble and gouge. Sub-angular fragments measuring from		900642	252.85	254.05	1.20	Trace
				1 to 3cm in diameter noted.		900643	254.05	255.25	1.20	Trace
				236.20m - 236.55m Fault. Thick gouge sections with occasional fragments of core measuring		900644	255.25	256.45	1.20	Trace
				up to 5cm. Trace fine grained aspy noted within the gouge. Fragments of quartz noted within		900645	256.45	257.65	1.20	Trace
				the gouge.		900646	257.65	258.85	1.20	Trace
				236.55m - 236.95m Heavy quartz veining. Veins occur in irregular swarms with alteration halos		900647	258.85	260.10	1.25	Trace
				that have bleached the matrix to a light grey. Trace amounts of finely disseminated py noted.						
				239.25m - 239.6om Dacite tuff. Rock is moderately fractured with joints occurring at low angle						
				TCA .						
				239.60m - 241.05m Lapilli hosted in a greywacke matrix. Lapilli are noticeably smaller then						
				surrounding intervals measuring no bigger then 1cm in diameter. Bedding and lapilli are						
				oriented at about 40 degrees TCA however some variation observed.						
				240.60m - 241.05m Increased concentration of sulphides totaling 1.5%						
				Fine grained aspy noted occurring in bands running sub-parallel to						
				quartz veins with trace py.						
				241.05m - 241.10m Gouge and rubble. Marks the contact to the black matrix material and						
				larger lapilli clasts.						
				243.15m - 246.15m Fault. Thick intervals of black and grey gouge with considerable healed						
				portions. Quartz fragments noted throughout. Trace py occurs within the gouge as						
				flakes.						
				246.10m - 249.85m Dacitic interbedding. Black matrix still noted but prominent layering						
				of dacite and large lapilli. Notable increase in sulphide concentration averaging 1%						
				with intervals as high as 2% aspy.						
				247.15m - 247.40m Concentration of aspy at 2%. Mineralization occurs as						
				blebs of euhedral crystals with trace py observed. Sulphides are confined						
				to the dacitic rock.						
				247.50m Thin section of gouge and rubble.						
				248.40m - 249.00m Healed fault. Thin sections of gouge observed on joint						
				surfaces however interval has been recemented moderately well.						
				250.20m - 251.65m Faulted interval containing large sections of black gouge and healed						
				intervals. High percentage of quartz fragments. Trace py and aspy noted.						
				252.25m - 252.85m Faulted interval. High percentage of angular quartz fragments in the						
				upper portion of the interval. Lower section of the fault consists of healed dark gouge.						
				Banding of aspy noted on the quartz fragments in trace concentrations.						
				252.85m - 257.65m Stong sediment influence. Alternating light, dark and yellow (iron						

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
215.85	260.10	44.25	**BMLT**	**Black Matrix Lapilli Tuff (3 oz Zone)Cont:** carbonate) bands occurring in thin mm scale beds. Orientation of the banding changes from parallel TCA to intersecting it at 90 degrees. Lapilli occur infrequently. 255.50m - 255.90m Faulted interval containing black gouge some of which has been slightly recemented. 257.65m - 259.50m Dacitic tuff with carbonate veining. Trace py and po occurring as fine grained blebs throughout the interval.							
260.10	280.35	20.25	**BS**	**Black Shale:** Black shale hosting a variety of sub-angular to rounded volcanic and sedimentary clasts. Top contact gradational as lapilli are gradually replaced by clasts. Volcanic clasts are mostly dacitic in composition		900648 900649		260.10 261.60	261.60 263.10	1.50 1.50	Shoulder Shoulder
260.10	280.35	20.25	**BS**	**Black Shale (Cont):** with occasional andesite clasts. Sedimentary clasts are layers and tend to be more angular (mud rip up clasts?) Considerable increase in carbonate both within the matrix and as veins. Siltstone and greywacke interbeds occur sporadically. Several small intervals of volcanic influence noted. Sulphides occur throughout in trace amounts most notably in the clasts. Py most prominent with small amounts of po. 265.65m Tension fractures in filled with carbonate veins oriented at 70 degrees TCA 266.85m - 297.20m Stockwork carbonate veining. 270.70m - 271.25m Large greywacke interbed with a sharp upper contact occurring at 45 degrees TCA and a gradational bottom contact. Minor stockwork veining throughout. Micro fractures noted in the sedimentary layers. 274.30m - 277.20m Interval of heavy volcanic influence. Tuff like texture noted. Green hue noted throughout interval with localized green blebs with vitreous luster possibly malachite (?). Also observed in a silicified interval a vitreous blue mineral, semi hard, possibly azurite (?). See photo "malachite"		900650 900651 900652		263.10 274.30 275.75	264.60 275.75 277.20	1.50 1.45 1.45	Shoulder Trace Trace
280.35	286.90	6.55	**MVSCG**	**Mixed Volcanic and Sedimentary Conglomerate:** Sub-rounded to rounded clasts hosted in a mixture of andesitic volcanics and greywacke. Clasts vary in size from mm scale to 12cm in diameter. Composition is highly varied from andesite to rhyolite. Many clasts contain fine grained purple minerals, some identifiable as k-feldspar by their crystal structure but others occurring with fine grained py may be sph(?). Overall content of this purple mineral would average as trace amounts with localized concentrations of 2%.		900653		280.35	281.80	1.45	Trace
286.90	290.20	3.30	**BS**	**Black Shale:** Very similar to the black shale unit from 260.10m - 280.35m.Slightly higher amounts of greywacke in this interval.							

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE 3 Oz Vein

LOGGED BY: SD/JR DATE: 18-Jul-07 HOLE NO. **SDN-07-03**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
290.20	294.80	4.60	**GW**	**Greywacke:** Un-deformed greywacke with frequent interbeds of homogeneous black shales. Clear bedding plane oriented at 40 degrees TCA. Contacts between black shale and greywacke are sharp with occasional scour pits noted on the tops of black shale units. Some convolute bedding noted however beds are mostly planar. Micro faulting is common (see photo "micro faults 291.85m") Trace amounts of sulphides noted consisting of mostly py occurring as blebs and veinlets with some sph concentrated in small amounts in fine carbonate veinlets. **EOH 294.80m**						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 28 July 2007 HOLE NO. **SDN-07-04**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	4.60	4.60	**OVB**	**Overburden:**						
4.60	21.50	16.90	**IV**	**Intermediate Volcanics:** Unit is characterized by light to dark green dacite tuff with a moderate amount of quartz veining. Localized intervals of heavy stockwork veining noted in association with dark quartz clasts within the tuff. Overall silica content is high. Intervals of veining or silica flooding are accompanied by halos of bleached tuff. Iron carbonate alteration is noted throughout confined to joint and fault surfaces and the adjacent rock. Veinlets of chlorite occur in sub-parallel clusters where the angle of the vein TCA gradually steepens with depth. (see "Chlorite veinlets" picture) . Trace amounts of sulphides occur consisting of py infilling of healed fractures. 6.40m Minor gouge on joint surface 7.80m Minor gouge on joint surface 8.05m - 8.20m Quartz vein. Contacts are sharp with the top oriented at 75 degrees TCA and a bottom contact irregularly shaped but at very low angle TCA. Abundant chlorite bands occur within the vein and around the perimeter. Moderate amounts of iron carbonate noted around and within the vein occurring as a brown-red and yellow fine grained masses. 8.20m - 9.25m Dacite tuff with abundant clasts that are sub-angular to sub-rounded. Clasts seem to be very siliceous (not able to scratch) but very in color from white to green to dark grey. Micro fractures in filled with quartz noted in some clasts. 9.70m - 9.75m Increase in silica. Interval contains an irregularly shaped bleb with a relatively high concentration of dark quartz. The quartz has a flow like banding to it that does not continue through the entire core. 12.90m - 14.00m Intense stock work veining and frequent occurrences of clasts. Clasts are sub-angular to sub- rounded varying in size from mm scale to 5cm in diameter. Composition varies from chlorite to dacitic to quartz rich with occasional K-feldspar composition. Quartz clasts are dominantly dark in color and contain a micro fracture pattern that is not represented in the dacitic host rock. (pre-dates deposition?) 15.25m - 15.55m Moderately fractured interval containing small rubble sections with a minor gouge component. Heavy iron carbonate alteration noted. 15.60m - 16.55m Strongly bleached interval. Rock is light in color and fairly featureless. Occasional and py infilling of small fractures noted. 16.55m - 17.15m Very silica rich interval with a notable increase in albite throughout the host rock. Albitic alteration?) Clasts within the interval have a pail pink to blue/purple color to them and are themselves very siliceous. 17.15m - 19.00m Bleached interval similar to that from 15.60m - 16.55m with slightly higher chlorite occurrences. 17.75m - 17.95m Highly fractured interval exhibiting heavy iron carbonate alteration. Gouge, rubble and blocks noted. Minor iron carbonate alteration observed on the fracture surfaces.							

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 28 July 2007 HOLE NO. **SDN-07-04**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
4.60	21.50	16.90	IV	**Intermediate Volcanics Cont:** 19.15m - 20.00m Highly fractured interval. Significant gouge coating on fractures surfaces with small angular rubble intervals noted. Minor iron carbonate alteration noted on fracture surfaces. 20.70m - 21.50m Increase in concentration of mafic minerals. Contacts are gradational. Sub-rounded to rounded clasts of quartz dacite and chlorite noted up to 3cm in diameter.						
21.50	32.05	10.55	FZ	**Fault Zone:** Unit is characterized by heavily iron carbonate stained gouge, rubble and blocks. Occasional competent intervals of core noted measuring no more than 45cm in length. Rubble varies from rounded to angular hosts in a fine clay gouge. Competent intervals are composed of dacite however quartz fragments are noted throughout rubble sections.		900654	21.50	23.00	1.50	Trace
						900655	23.00	24.50	1.50	Trace
						900656	24.50	26.00	1.50	Trace
						900657	26.00	27.50	1.50	Trace
						900658	27.50	29.00	1.50	Trace
						900659	29.00	30.50	1.50	Trace
						900660	Standard #DN4			
						900661	30.50	32.00	1.50	Trace
32.05	96.70	64.65	IV	**Intermediate Volcanics:** Unit is similar to the previous intermediate volcanics from 4.60 to 21.50m. Dominant rock type remains dacite but more grey and dark green andesite intervals noted. Light to moderate sedimentary influence occur throughout in the form of dark silty bands. Unit is moderately to heavily fractured with occasional gouge rich intervals. First occurrence of carbonate veins noted. 32.30m - 32.80m Faulted interval. Large sections of gouge containing pebbles. Heavy iron carbonate alteration noted. Competent core within the intervals appears to be full or micro fractures and have experienced some dissolution as some very small (mm scale) vugs occur 33.00m - 33.20m Rubbley interval containing angular fragments of core 1 to 5cm in size. Minor amounts of gouge noted on some of the surfaces. 37.00m - 37.30m Moderately fractured interval where joints contain a thin film of gouge. 37.60m - 37.75m Rubble and gouge rich interval. Angular rubble 1 to 5 cm in size coated in pebbly gouge. 39.00m - 39.15m Rubble and gouge rich interval. Angular rubble 1 to 5 cm in size coated in pebbly gouge. 39.55m Thin section of sub-rounded rubble 1cm in diameter. 40.75m - 40.90m Thick interval of gouge with small (1 to 2cm) rubble fragments. 41.25m - 41.55m Large quartz vein. Contacts are sharp, oriented at 25 degrees TCA. Minor iron carbonate and chlorite included within the vein. No sulphide mineralization noted. 41.65m - 46.65m Heavily fractured interval containing blocks between 2cm and 11cm in size. Heavy iron carbonate alteration occurs on joint surfaces and is pervasive through most of the competent rock. Small sections of angular rubble and gouge occur throughout. 46.65m - 58.50m Dacitic tuff with moderate to heavy sedimentary influence. Dark and light stringers occur with increasing frequency towards the bottom of the interval. Quartz veining		900662	41.2	41.60	0.40	Trace
						900663	55.35	55.65	0.30	Trace
						900664	73.7	75.20	1.50	Shoulder
						900665	75.2	75.80	0.60	0.5%
						900666	75.8	77.25	1.45	Trace
						900667	77.25	78.70	1.45	Trace
						900668	78.7	80.15	1.45	Trace
						900669	80.15	81.60	1.45	Trace
						900670	81.6	83.05	1.45	Trace
						900671	83.05	84.45	1.40	Trace
						900672	84.45	85.25	0.80	Trace
						900673	85.25	86.55	1.30	Trace
						900674	86.55	87.85	1.30	Trace
						900675	87.85	89.25	1.40	Trace
						900676	89.25	90.55	1.30	Trace
						900677	90.55	91.90	1.35	Trace
						900678	91.9	92.90	1.00	Trace
						900679	92.9	94.40	1.50	Trace
						900680	Duplicate of 900679			
						900681	94.4	95.05	0.65	Trace
						900682	95.05	95.55	0.50	1%
						900683	95.55	96.70	1.15	Trace

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 28 July 2007 HOLE NO. **SDN-07-04**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
32.05	96.70	64.65	**IV**	**Intermediate Volcanics Cont:**						

occurs but those intervals have been heavily intruded with iron carbonate alteration.
Sulphides are noted in trace amounts throughout consisting of py accumulations in healed fractures and as occasional blebs within the host rock.

54.00m - 54.35m Black shale interval. Significant chlorite competent to the shale occurs as green banding. Minor amounts of stockwork quartz veining noted.

55.35m - 55.60m Large quartz vein containing a section of heavy fracturing and rubble. Heavy iron carbonate alteration occurs throughout making the contacts difficult to identify. Rubble is sub-rounded. Iron carbonate infiltration of the quartz has a honey comb like texture to it.

57.25m - 57.35m Rubbley interval containing angular rubble fragments 1 to 3 cm in diameter. rubble is sub-angular and has undergone extensive iron carbonate alteration.

58.50 - 72.75m Andesite. String mafic character to the rock which is dark green to grey in color with several dacitic layers within the interval. Clasts occur throughout composed of andesite, dacite, quartz and alkali feldspars. Quartz and carbonate veins occur throughout between 0.5cm and 2cm in width. Many of the veins are discontinuous or change direction within the core. Sulphides occur in trace amounts consisting on py. Small red crystals noted which seem to have a hardness of about 5 to 6 and a greasy lustre. No definite crystal structure observed and mineral not identified. Single square granular mineral observed within the unit. Dull lustre with a hardness greater then 6, possibly staurolite (?)

60.95m - 61.15m Bleached interval containing light green rock around a 2cm quartz vein and several small veinlets off shoots. Patchy fine grained pink minerals observed, possibly k-feldspar (?). No sulphide mineralization noted.

63.55m - 63.90m Bleached interval similar to that from 60.95m - 61.15m but lacking any vein.

65.40m - 65.50m Large Porphyritic textured clasts with very sharp boundaries to the surrounding rock. Initially thought to be a vein however no baked or chilled margins observed.

72.75m - 96.70m Light green dacite tuff. Absent to heavy sedimentary influence observed generally increasing with depth. Occasional cm scale quartz and carbonate veins noted. Sulphide concentration overall is trace however patchy accumulations of amount to separate occurrences of py and aspy in concentrations of 1% and 0.5% respectively. Small green fine grained masses observed, some associated with py. Very bright green similar to the green mineral observed in the bottom of SDN-07-03 thought to be malachite(?).

75.20m - 75.45m Large quartz vein which has undergone moderate iron carbonate alteration. Contacts are altered so no measurement taken. Chlorite noted within the vein and along the perimeter. Sulphides occur in concentrations of 0.5%aspy and trace py.

75.45m - 75.80m Concentration of aspy and py in dacitic tuff. Small quartz veins noted,

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 28 July 2007 HOLE NO. **SDN-07-04**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
32.05	96.70	64.65	**IV**	**Intermediate Volcanics Cont:** possibly off-shoots of the adjacent larger vein. Aspy occurs as euhedral to subhedral crystals along the edges of the veins in trace concentrations. Py occurs in trace amounts within healed micro fractures of the host dacite. Minor amounts of chlorite also noted along the edges of the veins. 80.50m - 80.55m Quartz vein containing subhedral to anhedral py crystals in trace concentrations. 80.55m Beginning of sedimentary influence of the tuff. Light and dark bands occur sporadically though the core. Clasts are concentrated in the sedimentary layers. These consist of mostly dacite with some quartz, andesite and a black aphanitic clasts. 84.45m - 85.25m Black shale. Dacitic, quartz and carbonate clasts hosted in a black and dark grey matrix. Clasts are sub-rounded to rounded measuring between mm scale and 2cm in diameter. 89.25m - 91.90m Black matrix lapilli tuff interval. Dacitic lapilli and clasts varying from 0.5 to 16cm in length occur. Matrix varies from black to grey. Trace amounts of py noted infilling healed fractures. 90.15m - 90.70m Dacitic interval within the lapilli tuff interval. 91.90m - 92.90m Silica flooding. Interval is 75% + silica with no host rock distinguishable. Dark stingers run throughout the interval possibly composed of chlorite(?) however very hard (Possibly a result of the flooding). Py mineralization is associated with the stringers and occurs in concentrations of about 1%. Trace amounts of the brilliant green mineral mentioned in the interval (72.75m - 96.70m) is also present. 94.40m - 96.70m Heavy sedimentary influence as the dacite grades into the black matrix lapilli tuff. Sediments vary from black to grey hosting both lapilli and clasts consisting of dacite. Sulphides are concentrated within some of the clasts amounting to trace amounts through the interval. Py is dominant with trace amounts of aspy and possibly fine grained sph(?) 95.15m - 95.25m Mineralized quartz vein. Only vein in the proximity of the 3oz zone of any real width. Surrounding rock has been flooded with silica (95.05m - 95.55m). Up to 1% sulphide mineralization within the vein and immediate proximity consisting of patchy py and trace aspy.						
96.70	107.75	11.05	**BMLT**	**Black Matrix Lapilli Tuff: (3oz Zone)** Fine grained black and dark grey ground mass hosting dacitic lapilli and several small dacite intervals and one large andesitic interval. Lapilli vary in size from 0.5 to 4cm in diameter and are preferentially oriented at 45 degrees TCA. Bedding and sedimentary features are prevalent throughout but have been heavily distorted. Quartz and carbonate veins occur throughout, many of which are discontinuous and none		900684 900685 900686 900687 900688	96.7 97.8 98.9 99.95 100.65	97.80 98.90 99.95 100.65 102.00	1.10 1.10 1.05 0.70 1.35	Trace Trace Trace Trace Trace

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 28 July 2007 HOLE NO. **SDN-07-04**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
96.70	107.75	11.05	**BMLT**	**Black Matrix Lapilli Tuff Cont: (3oz Zone)** wider then 2cm occur. Veining is much less prevalent then was observed in previous holes this year. Unit is heavily faulted with numerous large intervals of gouge and rubble. 99.95m - 100.65m Lapilli are replaced by blebs of quartz and carbonate mixed within the bedding of the black matrix. Some of these bands have a boudinage like texture while others occur in circular masses. No notable increase in sulphide mineralization but they tend to be concentrated parallel to the quartz and carbonate blebs. 100.65m - 102.45m Faulted interval containing dark black gouge which hosts clasts of quartz and dacite. No re-cementation noted however gouge holds its form moderately well. Euhedral aspy crystals occur sporadically throughout the gouge but no increase in concentration. 102.45m - 104.35m Faulted interval containing mostly andesitic material. Grey gouge occurs throughout with portions of competent andesite. Drillers have indicated a cave in this interval but the boundaries of it are difficult to determine. Rounded rubble that has undergone intense iron carbonate alteration occurs within dark gouge and andesitic rubble. Quartz veins appear to have been pulled apart in square blocks (See photo "quartz blocks") 104.35m - 107.65m Faulted interval containing gouge, rubble and large blocks. Gouge varies from black to grey and block vary from andesite to black shale to quartz rich. The block with quartz clasts has fine yellow bands of iron carbonate and a slight increase in py concentrations still in trace amounts.		900689	102	102.45	0.45	Trace
						900690	102.45	103.40	0.95	Trace
						900691	103.4	104.35	0.95	Trace
						900692	104.35	105.45	1.10	Trace
						900693	105.45	106.55	1.10	Trace
						900694	106.55	107.75	1.20	Trace
107.75	119.20	11.45	**IV**	**Intermediate Volcanics:** Coarse grained, light to dark grey andesite. mm scale to 1cm sized feldspar and amphibole phenocrysts noted. Unit has a speckled texture in places that persists through intervals with higher felsic composition (Porphyritic . dacite). Some intervals display sedimentary influence as small 1 to 2cm sized clasts occur. Small black shale intervals are noted sporadically though the interval. Veining is nearly absent from the interval with only three cm scale veins occurring. Nearly all contacts are gradational making it difficult to define the boundary between sedimentary influence and Porphyritic andesite. No sulphide concentration noted. Unit is similar to that noted in the bottom of SDN-07-01 however porphyroblasts are not as abundant. 109.90m - 110.50m Interval of Porphyritic dacite. Notable increase in felsic minerals in both the groundmass and phenocrysts. 110.50m - 110.65m Black shale interbed. Contacts are sharp and oriented at 20 degrees TCA. 118.65m - 118.75m Black shale interbed. Contacts are oriented at 70 degrees TCA. Trace py is observed within this interval. **119.20m EOH**		900695	107.75	109.25	1.50	Shoulder
						900696	109.25	110.75	1.50	Shoulder
						900697	110.75	112.25	1.50	Shoulder

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	2.85	2.85	**OVB**	**Overburden:**						
2.85	102.40	99.55	**IV**	**Intermediate Volcanics.**		900701	48.75	49.85	1.10	Trace
				Unit is characterized by green-grey Dacite with intervals of fine aphanetic dacitic tuff. The top of the unit		900702	49.85	50.95	1.10	Trace
				is fairly featureless with occasional siliceous clasts. Localized sedimentary influence increases		900703	50.95	52.00	1.05	Trace
				in frequency with depth. These intervals are characterized by wisps of dark fine grained sediments		900704	61.65	62.45	0.80	Trace
				hosting mostly dacitic clasts. Intervals of andesitic character increase in both frequency and width		900705	62.45	63.25	0.80	Trace
				with depth. Numerous small faults and highly fractured intervals occur. Iron carbonate alteration is		900706	71.25	71.55	0.30	Trace
				prevalent and concentrated in the highly fractured intervals. Quartz and carbonate veining occurs		900707	74.80	75.25	0.45	Trace
				sporadically throughout the unit however is more notable with depth. Only fine veinlets and small		900708	85.05	86.55	1.50	shoulder
				intervals of fine stockwork veining occurs near the top. Sulphides occur in trace concentrations		900709	86.55	88.05	1.50	shoulder
				consisting of fine stringers and blebs of py with minor amounts of po. Light to moderate chlorite		900710	88.05	89.55	1.50	shoulder
				alterations occurs in patches throughout.		900711	89.55	90.70	1.15	Trace
				6.15m - 7.55m Clast rich interval. Clasts are sub-rounded to rounded varying from 0.5 to		900712	90.70	91.85	1.15	Trace
				2cm in diameter. Their composition varies from Dacite to siliceous(both white and smokey)		900713	91.85	93.00	1.15	Trace
				to rich in k-feldspar having a pink to purple tinge. Minor amounts of quartz stockwork veining		900714	93.00	94.15	1.15	Trace
				noted.		900715	94.15	95.25	1.10	Trace
				9.15m Small vug noted along a face of obvious dissolution. Limonite contained within		900716	95.25	96.30	1.05	Trace
				the vug		900717	96.30	97.65	1.35	Trace
				15.00m - 15.40m Highly fractured interval containing gouge and sub-angular to sub-rounded		900718	97.65	98.95	1.30	Trace
				rubble. Rubble is 0.5 to 5cm in size. Heavy iron carbonate alteration throughout.		900719	98.95	99.50	0.55	1%
				15.50m - 18.95m Clast rich interval similar to that noted from 6.15m - 7.55m. Chlorite		900720	Sample #DN3			
				veinlets noted throughout.		900721	99.50	100.95	1.45	Trace
				16.40m - 16.60m Interval of albitic alteration. Rock is light grey white in color.		900722	100.95	102.40	1.45	Trace
				Small quartz and chlorite veinlets occur together.						
				22.30m - 22.60m Large quartz carbonate vein. Contact is sharp but irregular (no measurement						
				taken). Iron carbonate and chlorite occur within the vein and in the surrounding host rock.						
				Slight increase in sulphide concentration noted immediately surrounding an off shoot of the						
				vein. Trace py noted.						
				24.60m - 29.50m Dacite has a speckled appearance. Fine grained dark grey minerals occurs						
				throughout. Crystals are approximately 1mm in size with no constant discernable shape. On						
				broken surfaces a sheet like appearance was noted, possibly fine grained biotite(?)						
				25.00m Joint oriented at 20 degrees TCA. Moderate amounts of dissolution						
				has occurred along this joint. Numerous vugs emanating from the joint						
				are noted.						
				29.50m - 30.30m Highly fractured interval containing thick gouge intervals containing pebbles						
				and rubble section. Heavy iron carbonate alteration noted.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.85	102.40	99.55	**IV**	**Intermediate Volcanics Cont.** 35.00m - 36.10m Heavy iron carbonate alteration throughout this interval with numerous vugs adjacent to joint surfaces. 37.50m First occurrence of sedimentary influence. 38.60m Minor gouge noted on joint surfaces. 40.15m - 40.45m Fractured and rubbley interval. Heavy iron carbonate alteration noted. Several small sub-rounded rubbley sections observed, some containing small, mm scale, vugs. 45.05m - 45.30m Highly fractured interval containing minor gouge and significant portions of angular rubble 1 to 3cm in size. 45.95m Small interval of sub-angular rubble 46.25m - 47.65m Highly fractured and rubbley interval. Large section of pebbly gouge noted within sub-angular rubble. 48.05m - 48.25m Large quartz carbonate vein. Contacts are well defined with the vein oriented at 15 degrees TCA. Heavy iron carbonate alteration occurs near the bottom contact along with the formation of a large vug measuring 5cm. 48.75m - 49.35m Highly fractured interval. Sub-rounded rubble composed of quartz noted. Numerous small vugs with in the rubble filled with limonite observed. 49.90m - 50.40m Highly fractured interval containing minor amounts of gouge along with rubble. Heavy iron carbonate alteration noted. 51.00m - 52.00m Highly fractured, faulted interval. Core around the rubble has been heavily fractured and weakly re-cemented. Sub-angular rubble varying from 0.5 to 3cm in size is mixed in with minor gouge. Lost core within this interval may be the result of gouge being washed away. 53.70m - 53.80m Quartz carbonate vein. Contacts are sharp but irregular with some off shoots noted. Chlorite contained within the vein and the immediate surrounding rock. No sulphide mineralization noted 54.45m - 54.50m Quartz carbonate vein. Contacts are sharp but irregular (no measurement taken). Chlorite concentrated within the vein and surrounding host rock with no sulphide mineralization noted. 55.15m - 71.15m Extremely heterolithic interval containing black shale, Dacite and andesite. Heavy localized stockwork veining is associated with the black shale intervals. Sedimentary influence occurs throughout. 55.15m - 55.30m Black shale interval. Possible oscillation ripples noted within the black banding. Much of the bedding has been distorted and moderate carbonate veining occurs within the interval. 56.25m - 56.65m Black shale interval. Several cm scale carbonate veins noted. Minor quartz stockwork veining and very faint bedding observed. 59.15m - 59.50m Black shale interval. Heavy stockwork veining throughout						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.85	102.40	99.55	**IV**	**Intermediate Volcanics Cont.** with well defined wavy bedding noted 60.90m - 63.25m Black shale interval with considerable andesite character. Extremely heavy stockwork veining with only faint bedding visible in some places. Trace amounts of py occurs in fine bands throughout. 61.30m - 61.65m Andesite layer. Small amount of veining within this interval. 67.30m - 67.85m Dacite with small, poorly defined white blebs giving the rock a slight speckled texture. Theses blebs are hard and may be the result of minor albitic alteration (?) 69.5m - 71.15m Black shale with strong andesitic character. Moderate amounts of stockwork veining with several cm scale well defined carbonate veins. Clasts occur sporadically throughout consisting of sub-rounded andesite. 71.25m - 71.55m Large Quartz carbonate vein. Contacts are poorly defined consisting of thinning veinlets to the top and bottom. Dacite fragments and chlorite both occur within the vein. No sulphide mineralization noted. 71.55m - 73.85m Bleached light green Dacite interval. Rock is fairly featureless with occasional mm scale dark clasts and blebs of py. Occasional blebs of brilliant green malachite(?) also observed. 74.30m - 74.70m Black shale interval containing light and dark sedimentary bands. Dark black mm scale and white 1 to 2cm clasts noted throughout. Chlorite bands also occur throughout. 74.80m - 75.25m Quartz rich interval consisting of a poorly defined vein. Heavy iron carbonate alteration noted within the vein. Trace py noted throughout with a few euhedral aspy crystals immediately after the vein. 75.25m - 78.10m Dacitic tuff. Small intervals display slight bleaching. Small red mineral noted similar to that observed in SDN-07-04. Mineral is grown along side quartz and is equally hard with a dull resinous lustre, possibly cuprite or hematite(?) Hardness would be due to the quartz. mm scale dark clasts occur in clusters throughout the interval. 78.10m - 87.05m Andesitic interval. Abundant irregularly shaped clasts composed of porphyritic andesite varying from 2 to 8cm in size. Occasional occurrence of the red mineral cuprite or hematite(?) noted. 87.05m - 102.40m Bleached Dacite with minor to moderate sedimentary influence. cm scale quartz carbonate veins occur frequently near the top of the interval containing high percentages of chlorite. Sulphide mineralization starts at 89.55m and occurs throughout with patchy bands associated with the sedimentary layers. Fine stringers of aspy and py are concentrated in trace amounts. Blebs of what are thought						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

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METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.85	102.40	99.55	**IV**	**Intermediate Volcanics Cont.** to be malachite(?) also occur in increasing frequency with depth. 96.30m - 102.40m Increase in concentration of sulphides. Still averages trace amounts. 98.95m - 99.10m 1% aspy in grey sedimentary bands 99.35m - 99.50m 1%aspy in grey sedimentary bands. 100.40m - 100.50m Thick interval of gouge shouldered by rock that appear to have been effected by dissolution.						
102.40	132.55	30.15	**BMLT**	**Black Matrix Lapilli Tuff (3oz Zone):** Fine grained black sediments hosting dacitic lapilli and volcanic clasts. Unit is heavily veined with quartz and carbonate which occur as irregularly shaped, poorly defined blebs. In areas shearing of veins and lapilli has resulted in white bands within the black matrix giving the core a striped appearance. Near the bottom of the interval large volcanic clasts and volcanic intervals become prevalent in the core. The interval is highly fractured and faulted with very large intervals of gouge. Sulphide mineralization occurs throughout consisting of aspy py and sph. Unlike in previous holes no concentrated bands of sulphides occur. Euhedral aspy and anhedral py are finely dispersed within the black matrix. Quartz carbonate veins are rather barren by comparison but do host the only sph observed. There is a notable decrease in sulphide content at the point where the volcanic clasts begin which coincides with the end of the faulted interval. 102.40m - 104.35m No aspy observed in the core. Trace amounts of py noted. 104.35m - 105.45m Aspy and py noted in trace amounts. Aspy forms euhedral crystals often concentrated around a py bleb in the center. Slight increase in the occurrences of small cm scale veins 105.45m - 107.30m Silica rich interval. Rock is light in color (mostly white) with intense chlorite stockwork veining throughout. Mineralization occurs in concentrations of 1% but mostly consists of fine grained py with trace amounts of aspy. 106.35m - 106.60m Quartz carbonate vein. Contacts are sharp oriented at 30 degrees TCA. No sulphide mineralization observed within the vein. 108.60m - 108.70m Fractured interval. Minor amounts of gouge noted on the surfaces of the rock. 108.75m - 110.15m Quartz rich interval. May consists of numerous quartz veins or one very dispersed vein. Large portions of the black fine grained matrix are included in this interval. Py and aspy occur in patches throughout generally clustered near the quartz. Concentrations are in trace amounts. 110.15m - 110.30m Quartz carbonate vein. Contacts are gradational and poorly defined mixing with the BMLT unit. No Sulphide mineralization is noted within the vein with no notable chance in the surrounding host rock. Fine black stringers stretch		900723 900724 900725 900726 900727 900728 900729 900730 900731 900732 900733 900734 900735 900736 900737 900738 900739 900740 900741 900742 900743 900744 900745 900746 900747 900748 900749 900750 900751	102.40 103.40 104.35 105.45 106.40 107.30 108.70 109.65 110.30 110.90 111.90 112.90 113.20 113.55 114.45 115.30 115.95 Duplicate of 900739 117.15 118.30 119.05 120.10 121.30 122.50 123.65 125.00 126.20 126.75 127.90 129.05	103.40 104.35 105.45 106.40 107.30 108.70 109.65 110.30 110.90 111.90 112.90 113.20 113.55 114.45 115.30 115.95 117.15 118.30 119.05 120.10 121.30 122.50 123.65 125.00 126.20 126.75 127.90 129.05 130.20	1.00 0.95 1.10 0.95 0.90 1.40 0.95 0.65 0.60 1.00 1.00 0.30 0.35 0.90 0.85 0.65 1.20 1.15 0.75 1.05 1.20 1.20 1.15 1.35 1.20 0.55 1.15 1.15	Trace Trace Trace 1% 1% Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace Trace

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
102.40	132.55	30.15	**BMLT**	**Black Matrix Lapilli Tuff Cont (3oz Zone):** through the vein. 110.55m - 110.90m Highly fractured interval consisting of wedge shaped rubble and gouge. Gouge and fracture surfaces are graphitic in nature. Rubble is angular ranging from 0.5 to 3cm in width. 111.55m - 111.75m Highly fractured rock composed of andesite. Fragments are angular ranging from 1 to 3cm in size. Mineralization continues throughout the rubble but occurs in faint stringers consisting of mostly fine grained py with minor amounts of aspy. 112.90m - 113.15m Felsic interval within the sediments. Likely the result of volcanic influence as the black matrix has been replaced by a light grey fine grained matrix. Small quartz eyes and siliceous clasts occur throughout with occasional bands of darker grey stringers. Sulphide mineralization is less then surrounding areas with occasional finely disseminated py noted. 113.15m - 123.65m Faulted interval consisting of highly fractured rock and thick intervals of grey and black pebbly gouge. Sections within the gouge contain high concentrations of quartz fragments. Joint surfaces are highly graphitic as is the gouge in the rubbley intervals. Several small sections of competent core occur within the faulted unit. Sulphide mineralization is noted in some of the rubble and competent sections but no sulphides are observed in the gouge. Sulphide concentration occurs in the trace amounts consisting of mostly py with some aspy. 113.15m - 113.55m Continuation of the felsic rich sediments from the interval 112.90m - 113.15m noted above. 115.30m - 115.65m Interval of competent core. 118.30m - 119.05m Healed gouge. This interval contains a high percentage of rock fragments mixed in with moderately well re-cemented gouge. Infrequent euhedral aspy crystals noted within this interval. 119.05m - 120.10m Interval of competent core. 125.00m - 132.55m Strongly volcanic influenced sediment. Large clasts of andesite and Dacite occur frequently. Some volcanic layers (These may be large clasts themselves) appear to be layered within the sediments. Sulphides occur as fine blebs throughout this interval but appear to decrease in frequency with depth. Overall concentration is trace. Interval is considerably less fractured then the rest of the unit. 126.20m - 126.75m Large layer of andesite.		900752 900753 900754		129.05 130.20 131.35	130.20 131.35 132.55	1.15 1.15 1.20	Trace Trace Trace
132.55	140.45	7.90	**IV**	**Intermediate Volcanics:** Aphanetic grey to green ground mass hosting a variety of clasts and occasional lapilli. Unit is characterized by andesite with dacitic interbeds. For the most part clasts are less then 1cm in diameter and well rounded with some intervals contain clasts as large as 3cm in diameter. The clasts vary in composition from siliceous to Dacite to andesite. Occasional black fine grained stringers occur near the top of the interval as the sediments		900755 900756 900757		132.55 134.05 135.55	134.05 135.55 137.05	1.50 1.50 1.50	Shoulder Shoulder Shoulder

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
132.55	140.45	7.90	**IV**	**Intermediate Volcanics Cont:** from the BMLT unit fade out. Sulphides occur in trace amounts throughout with only small blebs of py observed. 133.65m - 133.75m Black shale interbed containing sub-rounded to rounded clasts of Dacite and andesite. 135.80m - 135.85m Highly fractured interval of core. Numerous wedge shaped fragments between 0.5 and 1cm noted. 136.95m - 137.35m Highly fractured interval. Small sections of rubble between 0.5 and 2cm in size occur amongst blocks from 3 to 6cm in size. 137.65m - 139.90m Dacitic interbed. Core is slightly greener in color with a notable decrease in mafic minerals. mm scale clasts occur throughout. 139.75m - 139.87m Highly fractured interval. Minor amounts of gouge noted on the surface of wedge shaped rubble fragments.						
140.45	144.15	3.70	**BS**	**Black Shale** Dark black to grey fine grained matrix hosting volcanic clasts. Clasts are mostly dacitic in composition and are irregular in shape. Localized chlorite alteration noted. No sulphides noted. 140.60m - 140.65m Gouge within a joint. Quartz and chlorite rich gouge containing pebble sized fragments of quartz. No mineralization noted in the quartz or surrounding rock. 142.55m - 142.90m Clast rich interval. Clasts are less then 1cm in diameter, rounded and are mostly dacitic in composition with some composed of quartz.						
144.15	147.25	3.10	**IV**	**Intermediate Volcanics.** Relatively featureless Dacite, green to light grey in color. Near the top contact of the interval minor chlorite alteration noted which fades with depth. Occasional dark fine grained stringers occur as a result of sedimentary influence. Bottom of the unit is slightly bleached immediately before the contact. Occasional rounded clasts varying from 3 to 6cm in size occur throughout the interval.						
147.25	150.05	2.80	**BS**	**Black Shale** Dark black fine grained shale. Relatively featureless near the top contact but within 10cm starts to contain sedimentary clasts with clear bedding and discontinuous quartz carbonate veinlets. Some of the clasts contain veins which do not continue into the host rock suggesting they were previously veined before deposition. The clasts vary from siltstone to shale and range from 1 to 5cm in size. 148.30m - 150.05m Strong volcanic character to the sediment. Core has a slight green-grey color with abundant volcanic clasts ranging in size from mm scale to 3cm.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES				DESCRIPTION		SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
150.05	159.50	9.45	IV	**Intermediate Volcanics.** Green to grey Dacite tuff with moderate amounts of sedimentary influence in the form of light and dark bands throughout the interval. Rock has a slight speckled appearance as localized chlorite alteration and mm scale clasts occur throughout. Sulphides occur in trace amounts throughout the interval consisting of py concentrated in small blebs. Possibly some trace aspy may occur in these intervals near the bottom contact(?).		900758 900759 900760		156.50 158.00 Blank	158.00 159.50	1.50 1.50	Shoulder Shoulder
159.50	161.40	1.90	BMLT	**Black Matrix Lapilli Tuff** Fine grained black sediments hosting dacitic lapilli which vary from mm scale to 2cm in size. Quartz carbonate veining occurs sporadically throughout forming cm scale discontinuous veins and veinlets. The unit contains a significant gouge fault at the top contact but is otherwise fairly competent. Sulphide mineralization is noted throughout consisting of euhedral aspy, anhedral py and a fine grained granular silver mineral which may be fine grained aspy or gal(?) 159.50m - 160.80m Gouge fault. Interval contains black to grey pebbly gouge with yellow iron carbonate staining noted within the gouge. The gouge fines to a mud without pebbles near the bottom. Quartz fragments are common near the top of the interval.		900761 900762		159.00 160.80	160.80 161.60	1.80 0.80	Trace Trace
161.40	161.60	0.20	IV	**Intermediate Volcanics.** Light green Dacite tuff with minor amounts of sedimentary influence in the form of faint black stringers. Mineralization occurs throughout associated with these sedimentary bands. They occur in trace amounts and consist of mostly py with some aspy. This unit may be an interbed in a larger BMLT unit as has been seen in previous holes or may represent the IV unit that is usually found below the BMLT unit. Hole SDN-07-06 will be testing this. **EOH 161.80m**							
				Hole was finished but re-entered due to insufficient data with the first down hole survey. The hole was reamed out and an additional run was drilled as a result.							
161.60	162.00	0.40		**Reaming:** Interval full of rounded, re-drilled rubble. Extremely varied in composition with pieces that are heavily altered with iron carbonate to quartz fragments to pieces of BMLT with trace aspy.							

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3ox Vein

LOGGED BY: John Ryan DATE: 30 July 2007 HOLE NO. **SDN-07-05**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
162.00	162.10	0.10	**IV**	**Intermediate Volcanics:** Unit is a continuation of that noted from 161.40m -161.60m. See above description.						
162.10	165.00	2.90	**GW**	**Greywacke:** Unit begins as a black shale hosting clasts of greywacke but quickly becomes predominantly greywacke with black shale interbeds. Moderate amounts of carbonate are included in the form of infilling of what appears to be syneresis cracks(?). Sedimentary structures are fairly well preserved with planar bedding, ripples and scour surfaces identifiable in the core. Micro faulting is apparent throughout where layers have been clearly offset. Infrequent quartz carbonate veinlets occur throughout the interval and are noticeably different then the infilling of the cracks as they are much more linear. Clasts occur throughout with decreasing frequency		900871 900872 900873	161.60 162.00 163.50	162.00 163.50 165.00	0.40 1.50 1.50	Trace Trace Trace
162.10	165.00	2.90	**GW**	**Greywacke Cont:** with depth. These are composed of greywacke and sandstone. Sulphide content within the unit is trace with py noted in some of the veinlets of quartz carbonate and in some of the clasts within the interval. 162.10m - 162.85m Gradational change from black shale with clasts of greywacke to greywacke with black shale interbeds. 164.85m Rubbley interval consisting of angular fragments. **EOH 165.00m**						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
0.00	4.70	4.70	**OVB**	**Overburden:**							
4.70	78.25	73.55	**IV**	**Intermediate Volcanic:** Fine to medium grained, light grey dacite tuff unit. Abundant sub angular to rounded clasts ranging between mm scale up to 3-4cm in diameter. Clasts ranging from dark green to grey coloured feldspar porphyry andesite to light coloured, strongly siliceous felsic (?) clasts. Numerous intervals exhibit a poorly sorted texture hosting larger clasts which are supported in a matrix of smaller fragments. Some areas are composed of a fine grained matrix (possibly representing an ash tuff?). Strong iron carbonate alteration noted with in the first 14.00m. Subsequently, there is only minor amounts of iron carbonate occurring in association with intense fracturing. Minor to moderate amounts of dense, hard albitic alteration as well as pale to dark green chlorite (often associated with bull quartz veins) and pistachio green epidote alteration also noted throughout unit. Few sections host strong carbonate stock work veining. Few large scale quartz carbonate veins note occurring sporadically. Periodically, a weak sedimentary influence is observed. Moderate amounts of fracturing noted. Sulphides occur in trace amounts consisting of fine grained, finely disseminated py. 6.30m - 13.65m - Intense fracturing noted throughout interval. Strong reddish orange iron carbonate occurring in association with fractured. Significant amounts of soft granular clay noted on several fractured surfaces. 6.30m - 6.40m - Small fault gouge. Granular clay like material noted. 6.60m- Thin fault gouge. Oriented @ ~ 10° TCA. 7.20m - 7.30m - Thin fault gouge hosting numerous cm scale pebbles. Oriented at ~ 10°TCA. 8.15m - Fault gouge. Similar to previously described interval 6.60m. 8.35m - 11.20m - Intensely fractured interval. Major amounts of gouge material noted throughout. Core fragments are angular and range between 0.5 to 3cm in diameter. Minor amounts of dissolution noted. 16.55m - 16.75m - Weakly fractured interval. 18.55m - 18.75m - Abundant rounded to sub rounded felsic clasts (could simply be feldspar clasts?) noted throughout interval. Clasts exhibit strong internal fracturing and are surrounded by green chlorite. Some clasts exhibit a pale pink tone. 21.50m - 21.80m - Weak foliation noted throughout interval. Several clasts have been stretched parallel to foliation. Could possibly be representative of a flow texture (?). 21.90m - 23.80m - Interval is characterized by an aphenitic texture. Fine grained, siliceous interval possibly representative of an ash tuff unit. Few darker clasts occurring sporadically throughout (clasts are andesitic in composition). 23.55m - Small quartz vein oriented @ 32° TCA. Chloritic slickenslides noted on fractured surfaces. Minor amounts of yellow iron carbonate in filling tiny hairline fractures. No sulphides noted. 23.80m - 25.15m - Dark green, speckled andesitic interval. Strong chlorite alteration occurring as small flattened knots as well as pervasively throughout interval. Weak foliation noted throughout interval.		900763 900764 900765 900766 900767 900768		69.15 70.65 71.20 92.70 94.20 94.75	70.65 71.20 72.70 94.20 94.75 96.25	1.50 0.55 1.50 1.50 0.55 1.50	tr tr tr tr tr tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
4.70	78.25	73.55	IV	**Intermediate Volcanic (Cont'd):** 25.15m - 39.20m - Fine grained, green andesite unit. Interval is characterized by a overall decrease in grain size. Numerous randomly oriented quartz veins noted throughout interval. Patchy brown biotite alteration, biotite is occurring as mm scale brown flakes. 26.00m - 26.05m - Minor amounts of a pale pink mineral noted throughout interval (possible zoisite?). 26.45m - 26.60m - Large quartz vein oriented @ 37° TCA. Significant amounts of dark green chlorite alteration noted. Chloritic slickenslides noted on lower contact surface. Trace amounts of blebby py also noted on fractured surfaces. 26.60m - 27.80m - Numerous carbonate stringers hosted throughout interval interval. Carbonate stringers exhibit a stock work texture. Interval overall is noticeable lighter than surrounding units. 28.10m - cm scale quartz vein oriented @ 60° TCA. Minor amounts of carbonate noted along vein boundaries. 35.90m - 36.15m - fractured interval. Moderate amounts of gouge material noted on several fractured surfaces. 36.15m - 36.35m - Fracture in filled with extremely course grained material. Minor amounts of iron carbonate note. 41.20m - 41.85m - Concentrated interval of sulphides consisting of trace amounts of fine grained, finely disseminated py and aspy hosted in a fine grained dacite tuff unit. Sulphides are in filling tiny fractures. 42.35m - 42.85m - Intensely fractured interval. Significant amounts of soft red clay material noted throughout interval. Core fragments are angular range between 2 - 4cm in diameter. 46.65m - 46.75m - Large quartz vein oriented @ 40° TCA. Blebby dark green chlorite alteration noted along vein boundaries. 47.60m - Joint set oriented @ 45° TCA 51.15m - 51.20m - interval exhibiting a strong sedimentary influence. Numerous large cm scale, rounded clasts hosted in a fine grained black sedimentary matrix (matrix is not as prominent as seen in BMLT unit). 51.20m - 51.40m - Fine grained dacitic ash tuff unit (?). 51.40m - 51.50m - Weak sedimentary influence noted throughout interval. 51.50m - 51.60m - Fine grained dacitic ash tuff unit (?). 52.60m - Small 2" interval of fine grained dacitic ash tuff (?) 52.60m - 53.20m - Weak sedimentary influence noted throughout interval occurring as numerous thin black, fine grained stringers. 53.50m - 55.25m - Same as above. 59.40m - 59.55m - Small fractured interval. Minor amounts of gouge noted. Core fragments							

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
4.70	78.25	73.55	**IV**	**Intermediate Volcanic (Cont'd):** are rounded and several may have been been re-drilled. Both upper and lower contacts exhibit dried gouge material on fractured surfaces. 60.30m - 60.90m - Numerous sub parallel quartz veins noted throughout interval. No sulphides visible. Veins are oriented @ 50° TCA and exhibit a thin carbonate alteration halo. 62.50m - 63.55m - Joint set oriented @ 50° TCA. 67.50m - Joint set oriented @ 45° TCA. Strong iron carbonate alteration associated with fractures. 69.70m - 69.90m - Weakly fractured interval. Major amounts of iron carbonate alteration noted. 69.90m - 70.20m - Numerous quartz veins noted throughout interval. Veins are irregular, no angle taken. Minor amounts of iron carbonate noted along vein boundaries. 70.65m - 71.20m - Interval is characterized by numerous irregular quartz veins and fragments. Significant amounts a yellow mineral noted as thin stringers running parallel to a strong foliation. Patchy blebs of dark green chlorite alteration occur in association with quartz veining. Interval is strongly altered. Trace amounts of fine grained py noted. 71.40m - 71.50m - Broken up interval. Core fragments range between 1 to 4cm in diameter. 71.50m - 72.20m - Weak fracturing noted throughout interval. 73.25m - 73.45m - Strongly fractured interval. Minor amounts of gouge material noted on fractured surfaces. Core fragments are angular. Strong iron carbonate alteration noted 74.05m - 75.40m - Weak to moderate fracturing noted. Minor amounts of red clay material noted on several fractured surfaces. 75.40m - 78.25m - Strong sedimentary influence noted throughout interval. Localized, irregular wisps and patches of carbonate. Trace amounts of blebby py occur locally Bedding (possible foliation) noted, oriented @ 15° TCA. 75.60m - 2" quartz vein oriented @ 65° TCA. No sulphides noted. 76.95m - 77.75m - Abundant carbonate veining throughout interval. Veining exhibits a weak stock work texture. Contact is sharp oriented @ 35° TCA.						
78.25	81.65	3.40	**BS**	**Black Shale:** Fine grained, black shale unit. Numerous small interbeds of white to yellow, fine grained dacite tuff. Dacitic interbeds are irregular and run sub parallel to a strong bedding plain seen in the more dominate black shale unit. Abundant clasts (volcanic, silica rich and few sedimentary clasts exhibit bedding) occur frequently, clasts range between 1 to 3 cm in diameter and are often slightly flattened. Moderate amounts of carbonate occurring as blebs or clasts as well as wispy stock work veining. Overall unit is very heterogeneous. Sulphides total trace amounts and consist of fine grained, finely disseminated py. 80.25m - 80.60m - Interval is characterized by a noticeable increase in carbonate occurring as						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
78.25	81.65	3.40	**BS**	**Black Shale (Cont'd):** thin wisps exhibiting a stock work texture. Contact is sharp oriented @ 10° TCA.						
81.65	115.20	33.55	**IV**	**Intermediate Volcanic:** Interval is characterized by a sequence of medium grained, dark green andesite and fine to medium grained light grey dacite. The andesite is coarse grained and hosts abundant rounded to sub rounded feldspathic phenocrysts resulting in a porphyritic texture. Several dacite intervals are aphanitic and could be described as ash tuff. Few randomly oriented quartz veins occur sporadically throughout unit. Patchy localized albite as well as pervasive chlorite alteration noted. Sulphides compose of 0.5% of the unit forming coarse grained, well developed, blebs py and trace amounts of aspy. 81.65m - 87.00m - Fine grained, light grey dacite unit. 83.95m - 84.15m - Weak sedimentary influence noted throughout interval. 84.20m - 84.35m - Large irregular quartz vein. Strong iron carbonate alteration noted along vein boundaries. Vein exhibits vugs hosting well developed crystals. 84.40m - 84.50m - Strong iron carbonate alteration. Minor amounts of quartz noted throughout interval. 87.00m - 90.65m - Dark green, coarse grained andesite unit. Exhibits a weak porphyritic texture. trace to 0.5% blebby py occurring sporadically throughout unit. Few randomly oriented quartz and quartz carbonate veins. Weak foliation oriented at 20° TCA (could possibly represent flow texture?) Minor amounts of bleaching. 90.65m - 96.80m - Fine grained, light grey dacite tuff interval. Similar to previously described interval (81.65m - 87.00m). Slight increase in sulphides totalling ~ 1% overall occurring as blebby, anhedral py grains and trace amounts of fine grained acicular aspy. 93.65m - 94.20m - Py is more concentrated throughout interval totalling 1% overall and occurring as anhedral blebs. 94.20m - 94.75m - Trace amounts of acicular aspy and blebby py noted throughout interval. Minor amounts of fracturing. Iron carbonate is associated with fracturing. 96.80m - 105.55m - Dark green, coarse grained andesite interval. Similar to previously described unit (87.00m - 90.65m). Minor bleaching noted. Contact is gradational over a 1.25m interval (105.50m - 106.75m) and is represented by an decrease in felsic minerals and a decrease in grain size. 99.55m - 99.90m - bleached interval. Few well developed py grains noted sporadically throughout interval. 100.30m - 110.50m - Numerous cm scale quartz veins running sub parallel to one another No sulphides noted. Minor amounts of carbonate visible around vein boundaries. Trace red iron carbonate also noted. 100.65m - 100.80m - Slight increase in coarse grained, poorly developed py. Still only noted in trace amounts						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
81.65	115.20	33.55	IV	**Intermediate Volcanic (Cont'd):** 101.25m - 101.40m - Small fractured interval. Rubbley broken up interval. 101.50m - 101.70m - Same as interval 100.65m - 100.80m. 104.40m - 105.00m - Several irregular quartz veins noted throughout interval. Strong chloritic alteration. Veins exhibit a folded (or crenulated texture). Minor to moderate amounts of iron carbonate noted along vein boundaries. 105.55m - 108.00m - Fine grained, white to grey dacite ash tuff. 106.20m - 2" quartz vein oriented @ 35° TCA. 110.65m - 111.30m - Weak fracturing noted throughout interval. Several slickenslide surfaces. Minor amounts of irregular quartz veining. 111.80m - 115.20m - Strong bleaching and moderate amounts of albitic alteration noted throughout interval. Trace amounts of fine grained, finely disseminated py. Few thin quartz and quartz carbonate veinlets (randomly oriented). Contact is sharp and is defined by a major increase in black shale.						
115.20	127.50	12.30	BS	**Black Shale:** Unit is extremely heterogeneous consisting of numerous small units of black shale, BMLT, bleached dacite and dark green andesite. Black shale is slightly more dominate that all other units and is characterized by being fine grained and black exhibiting strong soft sediment deformation noted as minor folding. Strong bedding noted with few interbeds of medium grained light grey greywacke and siltstone. Black matrix lapilli tuff hosts numerous cm scale intermediate volcanic clasts. Clasts are rounded to sub rounded and are often dacitic in composition. Clasts are hosted in a fine grained black matrix. Dacite tuff is characterized as fine grained exhibiting a white to yellow tone. It is strongly bleached with several intervals exhibiting an ash tuff texture. Andesitic intervals are medium to coarse grained and dark green. Numerous irregular quartz veins noted. Overall sulphides total trace amounts and consist of medium grained, blebby py. 115.20m - 118.05m - Small black shale interval. Strong soft sediment deformation observed as small scale folding. Numerous cm scale interbeds of fine grained siltstone and coarser grained greywacke. Minor amounts of carbonate occurring as rounded to flattened clasts as well as thin irregular ve 115.90m - 116.00m - Small bleached dacite interval. Fine grained, yellow tone. Weak sedimentary influence noted. 115.50m - large fractured oriented almost parallel TCA. 116.50m - 118.05m - Strongly fractured interval. Minor amounts of gouge material noted on fractured core fragments. Core fragments range between 1 to 5cm in length. Minor amounts of red iron carbonate. 118.05m - 118.20m - Coarse grained, light grey dacite tuff. No sulphides noted. Upper and lower contact are sharp oriented @ 40° TCA. 118.20m - 118.85m - Small black matrix lapilli tuff. Interval is characterized by abundant intermediate volcanic lapillis (dacitic in composition) hosted in a fine grained black						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
115.20	127.50	12.30	**BS**	**Black Shale (Cont'd):** matrix. Trace amounts of sulphides 118.85m - 119.20m - Small dark green andesite unit. Volcanic texture. Overall unit is massive. Pervasive chlorite alteration noted throughout interval. Few quartz and quartz carbonate veins noted throughout (some intervals exhibit a weak stock work texture). 119.20m - 119.60m - Small bleached dacite interval. Localized carbonate occurring as irregular and discontinuous veining. Wispy fine grained py noted throughout interval. 119.60m - 121.25m - Black matrix lapilli tuff. Similar to previously described unit 120.50m - 10cm dacitic interval. Minor bleaching noted. 119.35m - 119.60m - Fractured interval. 119.60m - 120.75m - Small fractured interval. Rubbley core noted. 121.25m - 122.70m - Fine grained, light grey dacite tuff unit. Minor bleaching. Interval exhibits a weak pale green tone resulting from pervasive chlorite alteration. No visible sulphides noted. Moderate amounts of silica noted throughout interval. 122.70m - 123.50m - Small black matrix lapilli tuff. Identical to previously described unit 118.20m - 118.85m. 123.45m - Small 10cm dacitic interval. 123.50m - 124.70m - Dark green, massive andesite interval. Upper portion of unit exhibits a sedimentary influence. Few sub parallel quartz veins noted. Veins are oriented @ 53° TCA. No sulphides noted throughout interval. 124.70m - 125.00m - Small bleached dacite unit. Upper and lower contacts are sharp and are oriented @ 40° TCA. No sulphides visible. 125.00m - 126.40m - Black shale interval. Stock work carbonate veining. 126.40m - 126.80m - Black matrix lapilli tuff. Lapillis are noticeably larger ranging between 1 to 4cm in diameter. 126.80m - 127.50m - Black shale interval. Interval exhibits a speckled texture with abundant white grains noted throughout (possibly mm scale feldspar?) Contact is gradational over a 30cm interval and is defined by a major increase in dacite.						
127.50	131.65	4.15	**IV**	**Intermediate Volcanic:** Fine grained, white to yellow toned dacite tuff unit. Moderate amounts of bleaching noted throughout interval. Weak localized sedimentary influence noted throughout interval. Numerous scattered, pale green grains (possibly malachite or pale chlorite?). Minor amounts of carbonate and red iron carbonate noted . Weak fracturing noted. Contact is sharp at 131.50m - Quartz vein oriented @ 45° TCA		900769 900770 900771		127.50 128.80 130.15	128.80 130.15 131.65	1.30 1.35 1.50	tr tr tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
131.65	134.90	3.25	**BS**	**Black Shale:** Fine grained, black shale unit. Unit is characterized by intense carbonate stock working. Strong bedding noted. bedding consists of a sequence of thin black shale, fine grained siltstone and coarser grained greywacke. Trace amounts of brown biotite noted along some vein boundaries. Minor soft sediment deformation is noted occurring as small scale folding. Some graphitic layers are visible. Sulphides occur in trace amounts and consist of fine grained, finely disseminated py (py is also in fills thin stringers) and aspy. Localized iron carbonate is also noted and occurs in association with fractures. Few randomly oriented quartz veins are noted occurring sporadically throughout unit. 132.60m - 134.90m - Trace amounts of acicular aspy. Concentration increase towards the bottom of the unit. Contact is sharp and is represented by a sudden decrease in black shale.		900772 900773 900774		131.65 132.60 133.75	132.60 133.75 134.90	0.95 1.15 1.15	tr tr tr
134.90	137.60	2.70	**IV**	**Intermediate Volcanic:** Medium grained, light grey to white dacite tuff unit. Abundant cm scale white feldspar grains noted throughout entire unit. Few quartz veins running sub parallel to one another at a 65° TCA. Minor fracturing noted. Sulphides total trace amount and consist of acicular aspy and possibly traces of gal. Aspy tends to be more concentrated around quartz vein boundaries, however it does occur pervasively throughout unit. Galena is fine grained and occurs in association with quartz veining. Weak sedimentary influence is noted and occurs as thin black wisps. Localized iron carbonate occurring in association with fracturing is noted. 135.00m - 2" quartz vein oriented @ 45° TCA. Concentrated amounts of acicular aspy visible along vein boundaries noted. 136.95m - 137.25m - Major amounts of quartz noted throughout interval. Sulphides occur in trace amounts and consists of fine grained aspy, gal and py. Aspy tends to occur along vein boundaries. Minor amounts of iron carbonate noted. Contact is sharp and is defined by a quartz vein. Vein is oriented @ 55° TCA.		900775 900776 900777		134.90 135.90 136.95	135.90 136.95 137.60	1.00 1.05 0.65	tr tr tr
137.60	138.70	1.10	**QV**	**Quartz Vein:** Large quartz vein hosting moderate amounts of black shale throughout. Sulphides total ~ tr to 0.5% fine grained aspy and trace amounts of py and sph. Sph is noted as two tiny specks with in the vein. Significant amounts of dissolution is noted throughout resulting in a vuggy textured in some localized spots. 137.90m - 138.00m - Rubbley interval. Core fragments are rounded.		900778		137.60	138.70	1.10	tr-0.5%
138.70	139.55	0.85	**BS**	**Black Shale:** Fine grained, black shale unit. Similar to previously described black shale unit 131.65m - 134.90m. Noticeable increase in quartz throughout interval. Quartz totals ~ 20% overall. Significant amounts of carbonate occurring both in association with quartz veining and independently. Sulphides total ~ 0.5% overall and consist primarily of fine grained aspy hosted in the fine grained black shale unit. Py also occurs as a fine grained, finely disseminated py hosted in the fine grained black shale. 138.70m - Small rubbley interval.		900779		138.70	139.55	0.85	0.5%

DIAMOND DRILL LOG

PROPERTY Del Norte ZONE "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
138.70	139.55	0.85	**BS**	**Black Sha** 138.70m - Small rubbley interval. 139.40m - 139.55m - Small black matrix lapilli tuff unit. Trace amounts of aspy noted. Lapillis are volcanic in composition (dacitic) and range between 1. 3 cm in diameter. Contact is sharp and is oriented @ 40° TCA.						
139.55	144.30	4.75	**Dt**	**Dacite Tuff:** Coarse grained, light grey dacite tuff unit. Unit is characterized by abundant white, rounded grains (possibly feldspar?). Numerous randomly oriented quartz veins occur. Minor to moderate bleaching noted. Weak sedimentary influence is noted. Minor fracturing. Sulphides total trace to 0.5% and consist of extremely fine grained, disseminated and blebby py (0.5%) and trace amounts of acicular aspy (aspy occurs in association with py). Overall sulphides concentration is consistent. 140.10m - 140.30m - Fractured interval. 141.00m - 141.20m - Fractured interval 141.45m - 2" fractured interval. Contact is sharp oriented @ 65° TCA.		900780	Standard # DN4			
						900781	139.55	140.30	0.75	tr-0.5%
						900782	140.30	141.30	1.00	tr-0.5%
						900783	141.30	142.30	1.00	tr-0.5%
						900784	142.30	143.30	1.00	tr-0.5%
						900785	143.30	144.30	1.00	tr-0.5%
144.30	146.85	2.55	**BMLT**	**Black Matrix Lapilli Tuff:** Fine grained, black sedimentary groundmass hosting several small dacitic subunits as well as large, cm scale felsic to intermediate lapillis ranging between 0.5 to 2 cm in diameter. Lapillis are rounded to sub rounded, majority are flattened. Few lapillis exhibit pressure shadows. Few quartz and quartz calcite veins which parallel shearing plans. Unit is well bedded. Minor amounts of chlorite alteration noted. Minor amounts of gouge material noted. Sulphide occurrences are overall very consistent exhibiting little to no change in composition, grain size and habit. Sulphides total tr amounts consisting of acicular aspy and trace py. Weak to moderate fracturing noted. Unit overall is very consistent with little changes noted. Lower contact is hosted in a fractured interval making it difficult to produce an angle.		900786	144.30	145.15	0.85	tr
						900787	145.15	146.00	0.85	tr
						900788	146.00	146.85	0.85	tr
146.85	151.30	4.45	**Dt**	**Dacite Tuff:** Fine grained, light grey dacite tuff. Weak to moderate sedimentary influence observed as thin, fine grained black wispy. Minor amounts of bleaching noted. Few localized intervals exhibiting lapillis which have been stretched parallel to a weak foliation. Lapillis range between 1 to 3 cm in diameter. Sulphides total trace amounts and consist of fine grained disseminations to acicular aspy and disseminated py. Sedimentary influence increases towards the bottom of the hole, noted as thin black wisps.		900789	146.85	147.85	1.00	tr
						900790	147.85	148.85	1.00	tr
						900791	148.85	149.85	1.00	tr
						900792	149.85	150.55	0.70	tr
						900793	150.55	151.30	0.75	0.5%
151.30	162.20	10.90	**BMLT**	**Black Matrix Lapillis Tuff:** Similar to previously described black matrix lapilli tuff unit (144.30m - 146.85m). Lapillis are significantly larger and occur more frequently. Numerous irregular quartz veins noted throughout interval. Unit is strongly fractured with several fault gouge zones. Moderate amounts of carbonate alteration occurring as localized patches (and in association with veining). Sulphides total trace amounts of acicular aspy and		900794	151.30	152.15	0.85	tr
						900795	152.15	153.00	0.85	tr
						900796	153.00	153.60	0.60	0.5%
						900797	153.60	154.60	1.00	tr
						900798	154.60	155.50	0.90	0.5%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
151.30	162.20	10.90	**BMLT**	**Black Matrix Lapillis Tuff (Cont'd):**						tr
				disseminated py (py occurs as thin wisps in some locations). Several small dacitic intervals are noted.		900799	155.50	156.55	1.05	0.5%
				Moderate amounts of soft sediment deformation noted.		900800	Duplicate of 900799			
				152.70m - Large quartz vein oriented @ 60° TCA. Minor amounts of carbonate noted along vein		900801	156.55	157.40	0.85	tr
				boundaries. Few black impurities visible with in the quartz vein. No sulphides noted.		900802	157.40	158.40	1.00	tr
				153.00m - 153.20m - Coarse grained, light grey greywacke interval (?). Sulphides total trace		900803	158.40	158.70	0.30	tr
				amounts and occur as blebby py and disseminated acicular aspy.		900804	158.70	159.40	0.70	tr
				153.20m - 153.60m - Interval is characterized by an increase in quartz veining. Veining runs		900805	159.40	160.40	1.00	tr
				sub parallel to one another at ~ 55° TCA. Significant amounts of gouge and black shale noted		900806	160.40	161.00	0.60	tr
				throughout interval. Several large cm scale volcanic clasts throughout interval. Sulphides total		900807	161.00	162.20	1.20	tr
				trace to 1% and consist of acicular aspy (0.5-1%) and disseminated py.						
				153.60m - 153.90m - Weak fracturing noted.						
				154.60m - 155.00m - Interval seems to exhibit a healed gouge texture. Numerous hairline						
				fractures noted throughout interval. Strong quartz veining and moderate amounts of soft						
				sediment deformation noted as small scale folding. Weak yellow iron carbonate alteration.						
				Strong carbonate alteration. Sulphides again total 0.5% and consists of disseminated acicular						
				aspy and finely disseminated py.						
				155.35m - 155. 40m - Increase in carbonate throughout interval. Possible increases in albitic alteration						
				also noted.						
				155.50m - 155.65m - Strongly fractured interval.						
				155.65m - 155. 90m - Weakly fractured interval.						
				156.80m - 157.00m - Fractured interval. Chloritic slickenside's noted on fractured surfaces.						
				157.40m - 157.40m - Strongly fractured interval.						
				158.20m - 158.40m - Fractured interval						
				158.40m - 158.70m - Small bleached dacite interval. Sulphides occur in trace amounts						
				forming acicular aspy and py						
				158.70m - 159.40m - Interval is characterized by an increase in quartz carbonate. Quartz						
				veining is irregular. Sulphides in this interval total trace amounts and consist primarily of fine						
				grained py noted along the vein boundary.						
				160.50m - 160.80m - Fractured interval. Significant amounts of gouge noted throughout interval.						
				160.50m - Fault gouge.						
				161.00m - 162.20m - Fault gouge. Major amounts of core lost						
				Contact occurs with in a fault zone. No angle taken.						
162.20	167.10	4.90	**IV**	**Intermediate Volcanic:**		900808	162.20	163.20	1.00	0.5%
				Coarse grained, white to light grey dacite tuff. Unit exhibits a porphyritic texture hosting abundant rounded		900809	163.20	164.05	0.85	1.0%
				feldspar grained (almost exhibits an intrusive texture). Grains size seems to decrease towards the lower		900810	164.05	165.10	1.05	0.5%
				contact (possibly representing a chill margin?). Massive, showing little change in composition, grains size		900811	165.10	166.10	1.00	0.5%
				or sulphide concentration. Strong fracturing throughout interval. Sulphides total 0.5% overall and consist		900812	166.10	167.10	1.00	1.0%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
162.20	167.10	4.90	**IV**	**Intermediate Volcanic (Cont'd):**							
				of large cm scale aspy needles (0.5%) and trace amounts of py. Minor amounts of carbonate noted.							
				162.60m - 163.10m - Strong fracturing noted throughout interval.							
				163.10m - 164.05m - Weakly fractured interval. Numerous joints.							
				164.05m - 164.75m - Intensely fractured interval. Numerous core fragments exhibit dried clay material on fractured surfaces. Moderate amounts of carbonate also noted.							
				164.95m - 2" quartz vein oriented @ 55° TCA. Vein hosts 0.5% blebby galena and trace amounts of aspy.							
				165.10m - 165.45m - Strongly fractured interval. Core fragments are large and range between 2 to 4cm in diameter.							
				165.80m - 167.10m - Slight decrease in grains size. Possibly representing a chill margins (?). The contact is gradational.							
				Lower contact is gradational and is defined by a gradual increase in wispy black sedimentary material.							
167.10	218.00	50.90	**BMLT**	**Black Matrix Lapilli Tuff ("3Oz" zone):**		900813		167.10	167.95	0.85	0.5-1%
				Unit is very similar to previously described black matrix lapilli tuff unit (151.30m - 162.60m). Lapillis vary in size		900814		167.95	168.80	0.85	0.5-1%
				and predominantly have an intermediate volcanic composition. Strong fracturing noted throughout unit		900815		168.80	169.65	0.85	0.5-1%
				with several fault gouge zones. Few randomly oriented, cm scale quartz veins oriented @ ~ 60° TCA.		900816		169.65	170.15	0.50	0.5-1%
				Sulphides total 0.5 % overall and consist of fine grained, disseminated acicular aspy (0.5%), trace amounts of		900817		170.15	171.15	1.00	0.5%
				py, gal, sph.		900818		171.15	171.75	0.60	0.5%
				167.10m - 170.15m - Weak to moderate fracturing noted throughout interval. Minor quartz veining		900819		171.75	172.75	1.00	0.5%
				and gouge material noted throughout. Sulphides total 0.5% overall and consist of acicular aspy (0.5%)		900820		Blank			
				and trace amounts of py.		900821		172.75	173.60	0.85	0.5%
				168.10m - 1.5" fault gouge.		900822		173.60	174.70	1.10	0.5%
				168.45m - Quartz vein oriented @ 55° TCA. Trace amounts of coarse grained, poorly		900823		174.70	175.70	1.00	0.5%
				developed py hosted with in vein.		900824		175.70	177.00	1.30	0.5%
				169.65m - 170.15m - Fault gouge. Interval exhibits a healed texture. Few larger core fragments		900825		177.00	177.40	0.40	0.5%
				exhibiting graphitic slickenside surfaces. Numerous large cm scale quartz fragments		900826		177.40	178.00	0.60	1.0%
				cemented within gouge. Trace aspy noted.		900827		178.00	178.75	0.75	0.5%
				170.35m - 1" quartz vein oriented @ 45° TCA. Trace amounts of aspy noted along the		900828		178.75	179.40	0.65	0.5%
				vein boundaries.		900829		179.40	179.90	0.50	5.0%
				170.35m - 170.80m - Strongly fractured interval. Moderate amounts of gouge noted on		900830		179.90	180.95	1.05	0.5%
				numerous fractured surfaces. Few angular quartz fragments also noted.		900831		180.95	181.25	0.30	tr
				170.80m - 171.15m - interval is characterized by a weak fracturing.		900832		181.25	182.15	0.90	tr
				171.15m - 171.60m - Strongly fractured interval. Similar to 170.35m - 170.80m.		900833		182.15	183.10	0.95	1.0%
				171.60m - 171.75m - Small dacite interval.		900834		183.10	183.45	0.35	tr
				172.50m - 172.75m - Fractured interval.		900835		183.45	184.50	1.05	tr
				173.10m - 2" quartz vein oriented @ ~ 56° TCA. Trace fine grained py noted on upper and		900836		184.50	185.75	1.25	tr
				lower fractured surfaces.		900837		185.75	186.75	1.00	tr - 0.5%

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #	FROM	TO	INT	% SULPH
167.10	218.00	50.90	BMLT	**Black Matrix Lapilli Tuff (Cont'd):**						
				173.10m - 173.30m - Strongly fractured interval.		900838	186.75	187.65	0.90	tr - 0.5%
				173.60m - 173.80m - Fractured interval.		900839	187.65	188.80	1.15	tr - 0.5%
				174.70m - 174.85m -Strongly fractured interval.		900840	Standard # DN3			
				175.00m - 175.25m - Fractured interval.		900841	188.80	190.00	1.20	tr - 0.5%
				175.80m - 0.5" quartz vein oriented @ 55° TCA.		900842	190.00	191.00	1.00	tr - 0.5%
				177.00m - 177.40m - Major quartz flooding noted throughout interval. Veining is irregular and		900843	191.00	192.00	1.00	tr - 0.5%
				often discontinuous showing small scale folding and faulting. Veins are hosted in a fine grained		900844	192.00	193.00	1.00	tr - 0.5%
				sedimentary matrix. Trace amounts of fine grained aspy and py are noted.		900845	193.00	194.00	1.00	tr - 0.5%
				Major increase in quartz veining (numerous large, strongly fractured quartz veins). Few		900846	194.00	195.20	1.20	tr - 0.5%
				quartz veins exhibit a brecciated texture - white bull quartz matrix hosting angular smokey		900847	195.20	196.40	1.20	tr - 0.5%
				quartz fragments. Significant amounts of dried, granular clay material hosting finely		900848	196.40	197.50	1.10	tr - 0.5%
				disseminated, fine grained aspy and py. Several intervals exhibit a healed gouge		900849	197.50	198.70	1.20	tr - 0.5%
				texture comprised of coarse grained material (pebbles) that has been cemented by		900850	198.70	199.70	1.00	tr - 0.5%
				a fine grained matrix.		900851	199.70	200.90	1.20	tr
				177.40m - 178.00m - Fault gouge. Few sections exhibiting a healed texture.		900852	200.90	201.90	1.00	tr
				Abundant quartz occurring as broken up fragments cemented together with		900853	201.90	202.75	0.85	tr
				a fine grained granular matrix. Sulphides occur as extremely fine grained, finely		900854	202.75	203.95	1.20	tr
				disseminated aspy (1%) and disseminated to blebby py (tr). Aspy is so fine grained and		900855	203.95	204.95	1.00	tr
				so disseminated it is very difficult to determine a percentage. Overall sulphides		900856	204.95	205.95	1.00	tr
				total ~ 1%.		900857	205.95	206.80	0.85	tr
				178.00m - 180.95m - Large, strongly fractured quartz vein. Few intervals of		900858	206.80	207.20	0.40	tr
				gouge noted. Quartz hosts wispy dark black impurities (sedimentary in nature).		900859	207.20	208.20	1.00	
				Overall sulphides total ~ 0.5% and consist of fine grained, disseminated aspy and		900860	Duplicate of 900799			
				trace disseminated and patchy py. **Possible representing the "3Oz" vein.**		900861	208.20	209.40	1.20	tr
				178.00m - 178.75m - Large fractured quartz vein.		900862	209.40	210.60	1.20	tr
				178.75m - 179.40m - Fault gouge hosting major quartz		900863	210.60	211.70	1.10	tr
				179.40m - 179.90m - Fractured fragments show an overall decrease in		900864	211.70	212.80	1.10	tr
				quartz with minor gouge noted on several of the fractured		900865	212.80	214.00	1.20	tr
				core. Core is angular to sub angular. Several clumps of granular gouge		900866	214.00	214.80	0.80	tr
				host high percentages of extremely fine grained, finely disseminated		900867	214.80	215.60	0.80	tr
				aspy with in the matrix. Percentages are as high as 5-6%.		900868	215.60	216.65	1.05	tr
				179.90m - 180.95m - fractured quartz vein.		900869	216.65	217.00	0.35	tr
				180.95m - 181.25m - Fault gouge.		900870	217.00	218.00	1.00	tr
				181.25m - 182.15m - Fractured interval. Slight decrease in quartz fragments						
				throughout interval. Minor gouge noted on fractured surfaces. Sulphides total						
				2% overall consisting of fine grained, disseminated aspy and py.						
				182.15m - 183.10m - Healed fault gouge. Numerous angular quartz fragments						
				cemented together in a fine grained matrix. Interval exhibits a brecciated texture.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: "3Oz" Zone

LOGGED BY: Shana Dickenson DATE: 02-Aug-07 HOLE NO. **SDN-07-06**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	ENGTH (m	CODE		ALT	SAMPLE #		FROM	TO	INT	% SULPH
167.10	218.00	50.90	BMLT	**Black Matrix Lapilli Tuff (Cont'd):** Sulphides total 1% overall and consist of extremely fine grained, finely disseminated aspy (1%) (few needles noted) and fine grained py. 183.10m - 183.35m - Small quartz vein. Major internal fracturing noted. Significant amounts of wispy black sediments hosted with in the vein. 183.35m - 184.50m - Large fault gouge. Portions of fault exhibit a healed texture. Significant amounts of angular quartz fragments resulting in a brecciated texture. 184.50m - 185.75m - Large quartz vein. Vein exhibits a brecciated texture resulting from abundant angular quartz fragments being cemented together in a fine grained clay matrix. **Possible representing the "3Oz" vein.** 185.75m - 194.00m - Intense fracturing noted throughout interval. Numerous gouge intervals. Several fractured surfaces exhibit smooth slickenslide surfaces. Overall sulphides total trace to ~ 0.5% and consist of fine grained, disseminated aspy. Numerous irregular quartz and quartz carbonate veinlets hosted throughout. Minor dissolution noted. Weak pale green chlorite alteration. 194.00m - 217.25m - Interval very heterogeneous. It is primarily composed of black matrix lapilli tuff with numerous interbeds of fine to medium grained greywacke, siltstone and dacite tuff. Interval is extremely fractured with several gouge intervals. Numerous irregular quartz and quartz carbonate veins note (minor dissolution). Sulphides total trace to 0.5% and consist of extremely fine grained, finely disseminated aspy and py. 206.80m - 207.20m - Coarse grained, intrusive dyke (?). Similar to unit 162.20m - 167.10m. 217.25m - 217.35m - Irregular quartz veining. Trace amounts of blebby sphalerite. 217.35m - 218.00m - Black shale interval. Strongly fractured with several irregular quartz veins. **EOH 218.00m**						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
0.00	2.40	2.40	**OVB**	**Overburden:**							
2.40	158.20	155.80	**IV**	**Intermediate Volcanics:** Fine to medium grained green to grey volcanics dominated by light green dacite tuff with layers of dark green to grey andesite tuffs. Sub-rounded to sub-angular clasts occur throughout ranging in size from mm scale to 4cm in size. These vary in composition from andesitic to feldspar to quartz in composition. The unit contains intervals of heavy fracturing but the faulted intervals of previous holes does not occur. Iron carbonate alteration occurs heavily near the top of the hole lessening with depth and strongest in the areas of heavy fracturing. Patchy, hard albitic alteration occurs throughout as does moderate to heavy chlorite alteration which is associated with the large quartz carbonate veins. Quartz carbonate veins occur with varying frequency. Sulphides, consisting of subhedral to anhedral py, are scattered throughout. Small brown soft flecks occur in patches thought to be biotite (?). 2.40m - 42.60m Dacite with heavy chlorite alteration resulting in a dark green color. Core can be fairly easily scratched likely the result of the high chlorite content. 2.40m - 6.10m Moderately fractured core having undergone heavy iron carbonate alteration taking on an orange color. Fracturing has resulted in numerous blocky sections and minor amounts of gouge on the surfaces of fractures. 7.45m - 7.80m Heavily fractured rock containing rubble and large sections of pebbly gouge. Rubble is angular ranging from 1 to 3 cm in diameter. 9.30m Joint surface with small vugs in filled with limonite. 9.55m - 9.80m Abundant angular fragments of quartz within moderate albitic alteration resulting in a white coloration of the rock. Faint veinlets, possibly the result of deformation of stockwork veining, and the long axis of clasts are oriented at 30 degrees TCA. 9.80m - 11.25m Light to moderate iron carbonate alteration within a clast rich interval. Clasts are rub-rounded to rounded composed of mostly quartz and dacite but with some containing feldspar. These clasts range from mm scale to 3cm in size with the quartz fragments containing intense internal fracturing which has been in filled with orange iron carbonate. Some clasts are contained within a halo of iron carbonate. 12.70m - 12.80m Clast rich interval with sharp top and bottom contacts which correspond to joint surfaces. Clasts are small, no bigger then 1cm consisting of quartz, dacite and pink feldspar rich material. Notable increase in sulphides which occur still in trace amounts consisting of blebs of py. 14.45m - 19.40m Moderately veined interval. Small veinlets of quartz carbonate occur with cm scale spacing. These and infrequent cm scale veins are sub paralled oriented between 60 and 90 degrees TCA. 16.15m Joint surface on which cm scale vugs occur suggesting dissolution. Heavy iron carbonate alteration occurs along the surface.		900874 900875 900876 900877 900878 900879 900880 900881 900882 900883 900884 900885 900886 900887 900888 900889 900890 900891 900892 900893 900894 900895 900896 900897 900898 900899 900900 900901 900902 900903 900904		14.7 16.2 16.5 23.25 24.75 25.15 Blank 63.6 65.1 66.3 69.75 71.25 71.75 126.6 128.05 134.5 142.25 143.75 145.25 146.75 147.85 148.95 150.05 151.15 152.25 153.20 153.2 Standard # DN4 153.8 154.9 156 157.1	16.20 16.50 18.00 24.75 25.15 26.65 65.10 66.30 67.80 71.25 71.75 73.25 126.90 128.35 135.05 143.75 145.25 146.75 147.85 148.95 150.05 151.15 152.25 153.20 153.80 154.90 156.00 157.10 158.20	1.50 0.30 1.50 1.50 0.40 1.50 1.50 1.20 1.50 1.50 1.50 0.50 1.50 0.30 0.30 0.55 1.50 1.50 1.50 1.10 1.10 1.10 1.10 1.10 1.10 0.95 0.60 1.10 1.10 1.10 1.10	Shoulder Trace Shoulder Shoulder trace Shoulder Shoulder Trace Shoulder Shoulder Trace Shoulder Trace Trace Trace Shoulder Shoulder Shoulder Trace Trace Trace Trace Trace Trace 1% Trace Trace Trace Trace

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
2.40	158.20	155.80	**IV**	**Intermediate Volcanics Cont:** 16.20m - 16.50m Interval containing a poorly defined quartz vein with a halo of bleached rock and chlorite alteration. Included in the bleached area are cm scale concentrations of feldspar, possibly orthoclase(?). Infrequent py mineralization noted within the vein. 24.75m - 25.15m Poorly defined quartz carbonate vein with a halo of yellow iron carbonate banding. Large concentration of chlorite in proximity to the vein noted. Sph and gal noted in trace amounts within the vein. 25.15m - 30.20m Resedimented dacite. Extremely chaotic interval containing sedimentary features. Layering occurs in areas of ash sized volcanic fragments. In areas containing clasts poorly defined bedding curves around the fragments. Grain size changes rapidly between very fine to clasts 1cm in diameter. Deformed stockwork veining which has been flattened and oriented with the long axis of clasts occurs at 10 degrees TCA. Many of these veinlets are pink in color possibly containing feldspar (?). Py occurs throughout in the form of blebs. 28.20m - 28.30m Concentration of pink colored veinlets which pass through the core in irregular patterns. 28.50m -28.60m Interval of silica flooding. Slight purple color noted in the core possibly the result of the formation of fine grained amethyst(?). 28.80m Coarsening upwards sequence noted in the core. Over an interval of 3cm grain size changes from very fine ash to 3mm sized clasts with clear bedding plans separating the successive layers. 33.00m - 33.90m Interval rich in rounded quartz clasts measuring about 2mm in diameter. 33.90m Reamed interval included in the core. About 2m of re-drilled material resembling the overburden noted. Highly varied composition. (Thickness not included in core measurements) 42.60m - 48.30m Bleached dacite. 44.20m - 48.15m Interval contains abundant light pink mineralization. In some areas this mineral, possibly feldspar(?), is pervasive throughout the rock while in others it provides infilling of fractures and encircles siliceous clasts. 44.75m - 45.00m Highly fractured interval containing angular rubble and intense iron carbonate alteration. Black wisps of chlorite occurs in the surrounding rock and within the rubble itself. 45.50m - 46.05m Highly fractured interval containing thick intervals of gouge and sub-angular to sub-rounded fragments of rubble. 46.70m - 47.80m Concentration of euhedral cubic py crystals up to 8mm in size. 53.50m - 53.80m Heavily fractured interval containing angular blocks and gouge on the block						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.40	158.20	155.80	**IV**	**Intermediate Volcanics Cont:** surfaces 55.10m - 57.65m Sedimentary influenced dacite. Black to dark grey stringers of fine grained material occur throughout in irregular wispy patterns. Angular clasts of black shale (mud rip-up clasts?) and chlorite occur in the dacitic portions between sedimentary intervals. Sulphides appear to be concentrated in the sedimentary bands in the form of finely disseminated py which occurs in trace concentrations. 57.65m -61.25m Extremely fine grained dacite ash(?) tuff. Interval is fairly featureless except for extremely fine grey stringers and occasional cm scale quartz veins. Epidote associated with the quartz veins. 61.25m - 61.50m Sedimentary influenced dacite. Dark wavy bands of fine grained material occur throughout. Quartz clasts are found within these bands measuring 1cm in size. Epidote is incorporated in some of these bands. 61.50m - 64.00m Spotted dacite. Abundent small (less then 1cm) clasts consisting of quartz, andesite, dacite and chlorite in varying concentration. 63.75m - 64.00m Highly fractured interval containing angular rubble 1 to 5cm in size. 65.10m - 66.30m Quartz veins hosted in a sheared interval with some sedimentary influenced. Dark grey bands run sub parallel to the discontinuous and irregularly shaped vein network. Yellow iron carbonate and chlorite are associated with the veining. Sulphides occur in trace amounts consisting of fine grained py. 69.80m - 70.30m Andesitic tuff unit. Top contact in gradational over 1cm and shows moderate sedimentary influence. Interval contains clasts ranging from mm scale to 1cm composed of predominantly quartz. 71.25m - 71.75m Large quartz vein. Contacts are poorly defined as they grade into a series of veinlets in the surrounding rock. The veining at the top contacts begins as the dacite changes to as strongly sedimentary influenced dacite but is back in dacite by the bottom. Orange iron carbonate is associated with the edges of the vein while epidote is contained within the vein itself. Py noted in trace amounts along the edges of the veins. 71.75m - 84.85m Fine grained dacitic tuff. Interval is light green and fairly homogeneous with small siliceous clasts and occasional quartz eyes noted (quartz eyes most noticeable near the top of the interval). Iron carbonate occurs along joints surfaces and is more pervasive then previously noted in adjacent intervals. 83.45m Mylonitic textured infilling a former fault surface. A band of very fine grained light green material, possibly containing trace amounts of fuchsite, intersects the core then runs parallel ranging in thickness from 2mm to 1cm. 84.85m - 86.50m Dacite with an increase in clast content. Siliceous clasts are more prevalent and dacitic clasts begin to occur. These are still small (less then 1cm) and are generally						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.40	158.20	155.80	**IV**	**Intermediate Volcanics Cont:** sub-rounded. 86.50m - 91.30m Sedimentary influenced dacite. Dark black stringers of black shale cut the core in irregular patterns which tend to be concentrated within the areas of iron carbonate alteration. Iron carbonate alteration is heavy and pervasive in this interval intruding into the wall rock of joints up to 30cm. Clasts are also noted varying in size and composition from silica rich to dacitic. **90.85m - 96.65m Box dropped and spilt. Core reassembled best as possible however a total of 25cm of core could not be found. 91.30m - 97.05m Dacitic tuff with moderate chlorite alteration. Rock is considerably green then adjacent intervals. Small stringers of chlorite occur throughout the interval possibly infilling old fractures. Sulphide content increases to 1% near the bottom of the interval consisting of finely disseminated py. 91.35m - 91.85m Interval contain light pink and green blebs which comprise a significant portion of the core (10%). These blebs are possibly feldspar rich phenocrysts (?). 96.35m Boudinage quartz vein. Thin vein (0.5cm in width) that appears to be pulled apart and surrounded by a halo of chlorite. 97.05m - 109.85m Interval of mixed volcanics and sediments that has undergone heavy ductile shear. Interval contains dacite, andesite and black shale components which have been altered into layers of greens, greys and black. Intervals of green and grey mylonite occur throughout varying in widths. Occasional *sigma* porphyroclasts occur as well as clast with a thin layering of minerals on the top that form a slight tail to the side possibly as pressure shadow (?). 102.65m - 103.15m Highly fractured interval containing pebbly gouge and intervals of fractured rock. 109.85m - 121.45m Dacite tuff unit which has undergone mild ductile shearing and contains either thin ash beds(?) or mylonitic intervals(?). Contacts with these are sudden suggesting ash layers which may be elongated into bands by the shearing. There is a notable increase in quartz carbonate veining which occurs as cm scale veins and discontinuous blebs. Trace py mineralization associated with the veins. Silica rich clast occur within the interval some as large as 3cm but generally much smaller around 1cm. These contain a slight grey tinge appearing to be smokey quartz. 121.45m - 135.50m Andesite tuff. Interval is dark green with considerable mafic mineral content. Occasional fine grained layers suggests an ash interval. Small veinlets of quartz and carbonate occur throughout many of which are discontinuous and irregularly shaped. Py occurs in trace concentrations forming fine stringers within the andesite and associated with some of the veins. 126.20m - 126.60m Moderately fractured containing large blocks with minor amounts of gouge on the surfaces. 126.65m - 126.85m Large quartz carbonate vein. Contacts are sharp but irregularly						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

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METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
2.40	158.20	155.80	**IV**	**Intermediate Volcanics Cont:** shaped (no measurement taken). Minor amounts of iron carbonate and chlorite is associated with the vein. Trace py noted within the vein. 128.05m - 128.35m Large quartz carbonate vein with sharp contacts oriented at 60 degrees TCA. Bottom contacts of the vein has been slightly altered with minor amounts of iron carbonate. Chlorite has been concentrated in large amounts around the edge of the vein and is included through a large portion of the vein. Trace py noted within. 133.25m 15cm of reamed/re-drilled material (Not included in the core measurements) 134.50m - 135.05m Large quartz carbonate vein. Contacts are irregular with large angular fragments of dark grey carbonate rich material (Carbonate rich black shale?). These may have been the original rock within this interval which has been fractured during faulting and has since been in filled with the quartz carbonate fluid. 136.60m - 139.65m Heavily sheared dacitic tuff. Interval is light green with occasional clasts of silica rich material. The shearing has produced banding within the interval which runs almost parallel TCA and contains patches of either fine grained mylonite (?) or small blebs of ash(?). 137.15m - 137.70m Silica flooded interval. Silica has moved through the rock in irregular bands producing a vein like appearance but still with much of the host rocks character intact. Trace py mineralization occurs at the bottom contact. 138.70m - 138.75m Thick gouge interval on the surface of the joints. 139.50m 2cm quartz vein oriented at 55 degrees TCA. Vein is mineralized with a light silver sulphide possibly tetrahedrite (?) in trace amounts. 139.65m - 146.75m Andesitic interval, dark green in color. Moderate amounts of shearing have caused the banding of fine grained light and dark material into wisps of mylonite. Quartz carbonate veining occurs throughout but with notable concentrations within these sheared sections. No evidence of sulphide mineralization. 146.75m - 158.20m Bleached dacitic tuff light green in color. Minor to moderate amounts of shearing has occurred within the interval resulting in the banding of fine grained layers. Some sedimentary influence noted with occurrences of occasional dark bands of black shale. Some cm scale veining occurs within this interval many of which displayed a pinch and swell type of structure. Clasts within the sheared intervals have their long axis oriented parallel to the banding and have a faint halo of fine grained material that tends to form a tail off either end (Pressure shadow?). Sulphides occur in trace amounts with the first occurrences of aspy noted. Localized concentrations reach 1%. 153.20m - 153.80m Concentration of sulphides amounting to 1%. About half and half subhedral aspy and py. 153.40m - 153.65m Faulted interval containing wedge shaped rubble and thick intervals of gouge. Fragments appear to have a similar mineralization as the surrounding rick while the gouge contains no visible sulphides.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

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METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
158.20	186.95	28.75	**BMLT**	**Black Matrix Lapilli Tuff (3oz zone):**		900905	158.2	159.15	0.95	1%
				Fine grained black to dark grey sedimentary ground mass hosting intermediate (mostly dacitic) cm scale		900906	159.15	160.10	0.95	1%
				lapilli. Lapillis are sub-rounded to rounded with their long axis preferentially oriented at low angles TCA.		900907	160.1	160.65	0.55	1.5%
				Numerous smaller volcanic intervals occur which increase in both thickness and frequency with depth.		900908	160.65	161.75	1.10	Trace
				Quartz veins occur throughout with a large poorly defined vein or swarm of veins (?) occurring at		900909	161.75	162.85	1.10	Trace
				the top contact. The veins tend to be cm scale (With the exception of that mentioned above) many of which		900910	162.85	163.95	1.10	Trace
				are discontinuous while others are folded with a thickening in the hinge. Heavy faulting and fracturing		900911	163.95	165.05	1.10	Trace
				occurs within this interval with two discrete gouge intervals noted. Near the bottom contact two igneous		900912	165.05	166.20	1.15	Trace
				layers are noted having a courser grained texture then found anywhere else in the hole. These may be		900913	166.2	166.50	0.30	1%
				felsic dies but have little to no chilled margin. Sulphides occur throughout with the greatest concentration		900914	166.5	167.65	1.15	Trace
				noted in and around the large quartz vein. Aspy, py sph and gal or tetrahedrite(?) are noted. Many joints		900915	167.65	168.75	1.10	Trace
				are coated with graphitic gouge.		900916	168.75	169.05	0.30	0.5-1%
				158.20m - 160.65m Large quartz vein. Interval contains sections of the black matrix material		900917	169.05	169.90	0.85	Trace
				much of which has been sheared and forms fine black layers between mm scale veinlets.		900918	169.9	170.70	0.80	Trace
				The vein is poorly defined as contacts grade through a swarm of veinlets (no measurement taken)		900919	170.7	171.85	1.15	Trace
				Some small sections are highly fractured and contain a film of gouge on the surface. Sulphides are		900920	Duplicate of 900919			
				noted within the vein and the black matrix bands throughout it in concentration of 1%. Aspy and py		900921	171.85	173.00	1.15	Trace
				tend to occur around the edges and within the black matrix while sph and the gal or tetrahedrite (?)		900922	173	174.20	1.20	Trace
				occurs as blebs within the veins. **Possibly representing the 3oz vein.**		900923	174.2	175.65	1.45	Trace
				160.65m - 170.70m Lapilli rich interval with some as long as 20cm in length (Volcanic bombs?).		900924	175.65	176.45	0.80	Trace
				Silica rich fragments are also noted within this interval many rich in chlorite. Small chlorite veinlets		900925	176.45	177.35	0.90	Trace
				are noted cross cutting the small quartz veins. Sulphides are noted in trace amounts consisting of		900926	177.35	178.30	0.95	Trace
				mostly py with some aspy and sph. These tend to be concentrated within some of the large lapilli		900927	178.3	179.40	1.10	Trace
				thought to be bombs(?) with some concentrations as high as 3% over 20cm. Outside of the lapilli		900928	179.4	180.50	1.10	Trace
				py is noted in occasional blebs, finely disseminated within the matrix and as infill forming small		900929	180.5	181.60	1.10	Trace
				py veinlets.		900930	181.6	182.70	1.10	Trace
				170.70m - 174.20m Faulted interval containing large sections of black and grey gouge and graphite		900931	182.7	183.95	1.25	Trace
				rich rubble. Rubble varies from sub-rounded to angular and from mm scale up to blocks 7cm in size.		900932	183.95	185.20	1.25	Trace
				Fragments of quartz occur throughout the gouge and rubble however no sulphide mineralization is		900933	185.2	185.75	0.55	Trace
				noted.		900934	185.75	186.95	1.20	Trace
				175.65m - 176.45m Grey andesitic interval. Near the bottom contact the andesite fines to an						
				ash tuff. No mineralization within this interval.						
				178.30m - 182.70m Heavily faulted interval containing thick gouge intervals, graphitic rubble and						
				sections of blocks.						
				185.20m - 185.75m Course grained intermediate rock. Interval appears glassy possibly due to						
				a high silica content with crystals of plagioclase evident. Contacts are sharp with a slight						
				fining of grain size along the edges.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
186.95	201.75	14.80	**IV**	**Intermediate Volcanics:** 186.45m - 186.55m Course grained intermediate rock. See above description. Light green to grey volcanic tuff dominated by dacite but containing interval of andesitic character. Major sedimentary influence in the form of large beds or black shale and and dark stringers throughout. The top of the interval has undergone moderate amounts of ductile shearing. This is displayed by the banding of light and dark layers in irregular wavy patterns and intervals of mylonite which is both green and grey in color. Sulphides occur in trace amounts consisting of predominantly py with trace amounts of aspy. The greatest concentrations occur in the bands of fine black sediments. 186.95m - 192.65m Interval of the most intense shearing. Heavy banding of light and dark minerals and a large percentage of fine grained mylonite type material. Micro fracturing noted cutting through bands. 192.65m - 194.60m Black shale interval containing large sections of dacitic tuff. Some ductile shear banding occurs with occasional layers of fine grained material. Small mm scale rounded silica rich clasts occur within the volcanic layers while larger clasts up to 2cm in size of varied composition occur within the black shale units. 195.00m 40cm of caved material included at this point. First 10cm is rich in mud and rubble of various compositions. The remainder contains sub-rounded to rounded fragments of rubble similar to the dacite around it. (Not included within the depth measurements) 197.35m - 199.25m Resedimented andesite. Interval contains abundant andesite clasts within a fines grained andesite rich matrix. There is considerable sedimentary influence resulting in bedding in areas with minor amounts of shearing noted in the elongation and banding of certain intervals.		900935	186.95	188.40	1.45	Trace
						900936	188.4	189.85	1.45	Trace
						900937	189.85	191.30	1.45	Trace
						900938	191.3	192.65	1.35	Trace
						900939	192.65	193.65	1.00	Trace
						900940	Blank			
						900941	193.65	194.60	0.95	Trace
						900942	194.6	195.90	1.30	Trace
						900943	195.9	197.35	1.45	Trace
						900944	197.35	198.35	1.00	Trace
						900945	198.35	199.35	1.00	Trace
						900946	199.35	200.55	1.20	Trace
						900947	200.55	201.75	1.20	Trace
201.75	215.50	13.75	**BMLT**	**Black Matrix Lapilli Tuff (3oz zone)** Second interval of black matrix lapilli tuff similar in composition to the previously described interval. Lapilli are smaller and tend to occur in patches. Overall the matrix is slightly lighter, more of a dark grey, with sections that are dark black. Most of the interval is heavily faults containing large intervals of gouge. Near the bottom of the interval volcanics become more prevalent with the gouge becoming light grey. Sulphide are noted in trace amounts consisting of fine grained py and aspy. 203.35m - 215.50m Faulted interval consisting of mostly gouge and rubble. Occasional sections of healed gouge noted. 205.65m -206.20m Quartz rich interval. Host rock is fairly light in color possibly dacite or altered andesite rich black shale's. Veining is irregular and discontinuous creating blebs and undulating bands of quartz. Sulphide content is slightly increased with concentrations of 0.5% noted within this interval consisting of fine grained py and aspy. 208.30m - 209.30m Moderately well re-cemented gouge. The gouge appears to be volcanic in origin, possibly dacite being light grey, and makes the beginning of a volcanic influence on the BMLT unit. No sulphide mineralization noted. 212.45m - 215.50m Very little core recovered consisting of only mud. Source of the		900948	201.75	202.55	0.80	Trace
						900949	202.55	203.35	0.80	Trace
						900950	203.35	204.50	1.15	Trace
						900951	204.5	205.65	1.15	Trace
						900952	205.65	206.20	0.55	0.5%
						900953	206.2	207.25	1.05	Trace
						900954	207.25	208.30	1.05	Trace
						900955	208.3	209.30	1.00	Trace
						900956	209.3	210.35	1.05	Trace
						900957	210.35	211.40	1.05	Trace
						900958	211.4	212.45	1.05	Trace
						900959	212.45	215.50	3.05	Trace
						900960	Standard # DN3			

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz Vein

LOGGED BY: John Ryan DATE: 6 Aug 2007 HOLE NO. **SDN-07-07**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
201.75	215.50	13.75	**BMLT**	**Black Matrix Lapilli Tuff (3oz zone) Cont.** mud highly questionable. The hole was washed extensively in an effort to push though this faulted section and gouge may have accumulated in the bottom as a result. Hole stopped due to the drill being unable to continue in this broken ground. **215.50m EOH**						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	4.35	4.35	**OVB**	**Overburden:**						
4.35	97.90	93.55	**IV**	**Intermediate Volcanics:** Unit is composed of alternating dacite and andesite tuffs with intervals of sedimentary influence. Areas of chlorite, and iron carbonate alteration noted throughout with areas of silica flooding and bleaching also occurring. Clasts are noted throughout occurring in all lithologies and range from silica rich to andesitic in composition and are generally rounded to sub-rounded. Rubbley / faulted intervals are common near the top of the hole and decrease in frequency and width with depth. Quartz carbonate veining is common with mm scale veinlets and cm scale veins occurring throughout. Infrequent ductile shear fabrics are also noted. Sulphides occur in trace amounts consisting of dominantly py. 4.35m - 12.50m Clast rich andesite tuff. Clasts comprise about 30% of the rock ranging from mm scale to 2cm in diameter. The composition is highly varied however pink feldspar rich clasts tend to dominate. The matrix has a slight pink/purple tinge to it. 8.55m - 9.60m Redrilled core. Run prior to this is extremely short but appears to contain competent core. This section suggest that the core slipped out of the core tube and was ground up at the beginning of the next run. Rock is similar in composition to the surrounding intervals. 11.95m - 12.35 Highly fractured rubbley interval. Joints within this section are coated with a layer of gouge. Rubble is held together with poor cohesion by the gouge. The rubble is angular and less then 3cm in size. 12.50m - 17.70m Dacite interval containing occasional clasts. These are dominantly dacitic and andesitic in nature with occasional chlorite rich clasts. Occasional subhedral py crystals noted. Infrequent cm scale ash intervals noted. 14.00m - 14.50m Interval of silica flooding and heavy iron carbonate alteration. No sulphide mineralization noted. 17.70m - 24.25m Sedimentary influenced andesite. Interval is heavily fractured with gouge coating most joint surfaces. Iron carbonate is evident along joint surfaces and pervasive throughout much of the rock. Alteration is only noted in the sediment rich intervals. Near the bottom of the interval the rock is more competent with increasing frequency of dacitic clasts. 18.80m - 19.55m Black shale. The interval is fairly homogeneous containing only trace amounts of iron carbonate alteration. 19.55m - 20.15m Quartz rich interval. Heavy iron carbonate alteration make it difficult to determine if there is one vein or a series of small veins. Occasional wisps of black sediment noted. No sulphide mineralization noted. 19.85m 2cm wide interval of pebbly gouge. 24.25m - 30.45m Clastic dacitic tuff. High percentage (20%) of irregular shaped clasts contained within a light green matrix. Clasts are mostly dacitic in composition with some containing high amounts of chlorite. Occasional concentrations of mafic minerals noted which form slightly grey bands in the core. 30.45m - 35.75m Iron carbonate rich andesitic interval. Rock is light to dark grey and highly fractured with		900961 900962 900963 900964 900965 900966 900967		82.30 83.05 83.35 90.80 93.40 94.90 96.40	83.05 83.35 84.80 91.10 94.90 96.40 97.90	0.75 0.30 1.45 0.30 1.50 1.50 1.50	Shoulder tr Shoulder tr Shoulder Shoulder Shoulder

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES			DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		SAMPLE #	FROM	TO	INT	% SULPH
4.35	97.90	93.55	**IV**	**Intermediate Volcanics Cont:** competent intervals containing abundant micro fractures. This interval may correspond to the fault zones noted in other holes but is significantly narrower and contains much less gouge. Sub-parallel quartz veinlets occur throughout oriented at 60 degrees TCA. 35.75m - 39.65m Heavily altered dacitic tuff. Albite alteration occurs throughout resulting in a pail white color and a fairly featureless appearance. Chlorite alteration occurs in patches generally associated with quartz carbonate veins. Some chlorite veinlets are also noted. Iron carbonate alteration noted around joints but is less pervasive then previously noted. 38.50m - 38.65m Concentration of hematite noted along a healed joints surface. Concentration amount to 15%. 39.75m - 52.85m Light to dark green dacite interval. The dark sections appear mesocratic in composition but are seem to felsic to be andesite. Feldspathic phenocrysts occur in the mesocratic intervals with small flakes of brown minerals thought to be biotite(?) because of their platy habit. The lighter intervals tend to be clasts rich and vary in concentrations from almost 0% to 20% of the core. Their composition is fairly uniformed being composed of dacite with the occasional silica rich clast. Small quartz carbonate veinlets are noted occurring infrequently in the core. Iron carbonate is evident around the joint surfaces and red staining is pervasive through some intervals. Overall silica content appears high with the core being very hard and having a glassy like appearance however silica flooding does not appear to be the cause. Numerous joints within this interval contain coatings of gouge on the surfaces. 43.00m - 43.80m Interval contains bands of pink and green minerals with a large amount of chlorite forming discrete blebs. This may have been to some slight ductile shearing within the rock however the fine grained bands noted in previous sheared intervals are not present. 46.10m - 47.45m Clast rich interval containing intervals of ash tuff. Fine grained green bands curve around cm scale dacitic clasts which increase in frequency with depth. 47.45m - 47.60m Quartz rich interval. Poorly defined quartz vein having a shattered glass appearance which has been in filled with fine stringers of orange iron carbonate. 52.85m - 67.25m Spotted volcanics. Composition varies from dacitic to andesitic both of which have the same spotted texture. These spots are clasts of andesite all of which are smaller then 1cm, comprising about 2% of the core. Feldspathic phenocrysts are also noted, primarily in the dacitic portions, adding to the speckled texture. Sedimentary influence is also noted occurring as dark bands of black shale. Py is noted in trace amounts and is associated with these black shale bands. 59.30m - 59.65m Fine grained andesite with feldspathic phenocrysts. Crystals are poorly developed no bigger then 2mm in diameter. 65.30m - 66.15m Heavily fractured interval containing sections of gouge and rubble. Several large blocks (10cm) in size are noted. Rubble is sub-angular and between 2 and 3cm in size. 67.25m - 72.25m Heavy orange iron carbonate alteration. Several gouge rich and rubbley intervals occur throughout however alteration is pervasive through the competent rock as well. Fine black stringers of black shale material are noted.	ALT'N						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
4.35	97.90	93.55	**IV**	**Intermediate Volcanics Cont:** 67.70m - 68.70m Pebbly gouge and rubble rich interval. 15cm interval of rounded rubble included in this interval which the drillers have indicated as a cave. 71.25m - 71.75m Small interval with out the orange iron carbonate staining. Fine grained ash tuff noted, dacitic in composition. Occasional changes in color noted along abrupt irregular contacts suggesting a series of ash deposits. 72.25m - 73.75m Grey andesitic interval. Small, cm scale clasts of dacite and chlorite are included near the beginning of the interval. Iron carbonate alteration occurs along the joints but is much less pervasive then in the previous interval. Irregularly shaped quartz carbonate veins occur sporadically throughout. 73.75m - 91.15m Extremely heterogeneous interval varying from fine grained sediments to ash tuff to a clast supported pebble/ volcanic conglomerate. The common lithology between all of these is the spotted dacite similar to that described between 52.85m and 67.25m but without the andesitic component. 76.15m - 77.50m Fault. Thick sections of gouge and rubble with heavy iron carbonate alteration. Rubble is angular varying from 1 to 4cm in size. Gouge is extremely fine with relatively good cohesion. 77.50m - 77.80m Strong sedimentary influence with interval consisting of mostly clast rich black shale. Clasts are dacitic in composition and vary from sub-angular to rounded. A single quartz carbonate vein occurs within this interval which is irregularly shaped and discontinuous. 81.60m - 82.30m Mixed sedimentary volcanic conglomerate. Interval is clast supported with a dacitic matrix. Clasts are highly varied in composition with an abundance of silica rich dacitic and sedimentary clasts, sub-angular to sub-rounded in nature, noted. Chlorite is also mixed in around the clasts forming some of the matrix. 83.10m - 83.30m Large poorly defined quartz carbonate vein. Contacts are irregular and gradational (no measurement taken). Numerous small off shoots run parallel to the core for 5cm from either margin. Sulphides occur in trace amounts with a single large (1cm) bleb of sph occurring in the center of the largest part of the vein. 85.20m - 87.10m Ash tuff interval. Extremely fine grained dacite ash with a slight sedimentary influence and sharp changes in color suggesting various ash deposits. 87.90m - 88.15m Strong sedimentary influence in a clast rich interval. Black shale hosts mostly silica rich casts. Patchy orange iron carbonate alteration occurs throughout the sediments and the casts. 91.15m - 92.25m Clastic andesitic interval. Clasts are dominantly dacitic in composition and range from mm scale to 3cm in diameter. Infrequent small ash intervals occur throughout. 90.85m - 91.00m Quartz carbonate vein Contacts are poorly defined (no measurement taken) Chlorite and yellow iron carbonate noted within the vein and in the surrounding rock. Trace sulphides noted consisting of py. 92.25m - 97.90m Light green dacitic tuff with a minor overprinting of ductile shear fabrics. Light and dark bands occurring at high angle TCA with the long axis of clasts aligned in this manor as well. Clasts are more felsic then						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
4.35	97.90	93.55	**IV**	**Intermediate Volcanics Cont:** noted in previous intervals with many being rich in feldspar. Sections up to 10cm in width are also very rich in feldspar giving the core a slight pink color. Sulphides occur in trace amounts consisting of py blebs and possibly some fine grained aspy near the bottom of the interval.						
97.90	113.00	15.10	**FZ**	**Fault Zone:** Unit is highly fractured with large intervals of gouge and rubble. The rock appears to be mostly dacite with moderate sedimentary influence in the form of black shale bands. Heavy orange iron carbonate alteration is pervasive through the gouge, rubble and competent intervals. Quartz content is fairly significant with fragments occurring throughout the rubble. cm scale veins throughout the competent sections. Sulphides occur throughout in trace amounts and locally in concentrations of 0.5% consisting of py and aspy. 99.35m - 99.50m Quartz rich rubbley interval. No iron carbonate staining noted. There is a notable increase in quartz within the rubble which is between 0.5 and 2cm in size and angular in shape. No visible sulphides within this section 99.95m - 100.10m Concentration of aspy amounting to 0.5%. Euhedral aspy crystals nucleate around blebs of quartz. 105.60m - 109.90m Competent interval. Moderate amounts of fracturing had resulted in blocky core averaging about 7cm in size. Iron carbonate alteration occurs along the edges of the joints but is much less pervasive then in other areas of the unit. Occurrences of ash tuff noted throughout.		900968 900969 900970 900971 900972 900973 900974 900975 900976 900977 900978 900979 900980 900981	97.90 99.35 99.65 100.15 101.50 102.90 104.25 105.60 107.05 108.50 109.90 111.00 Duplicate of 900979 112.00	99.35 99.65 100.15 101.50 102.90 104.25 105.60 107.05 108.50 109.90 111.00 112.00 113.00	1.45 0.30 0.50 1.35 1.40 1.35 1.35 1.45 1.45 1.40 1.10 1.00 1.00	tr tr tr-0.5% tr tr tr tr tr tr tr tr tr tr
113.00	136.40	23.40	**IV**	**Intermediate Volcanics:** Green to light grey volcanic tuffs. Dacite is most prevalent with some grey andesitic intervals near the bottom of the unit. A slight sedimentary influence is noted throughout the interval forming fine wavy bands of black shale like material. Quartz veining is prevalent throughout the interval with large veins occurring near the top which fine to a moderate amount of stockwork veining near the bottom. Chlorite is associated with larger veins. Sulphides occur in trace amounts with py noted throughout and euhedral aspy near the bottom. Fine grained aspy may also occur with the blebs of py. 117.80m - 118.70m Quartz rich interval. Quartz veining is concentrated in several separate veins which are irregular in shape and discontinuous. Blebs of py and minor chlorite associated with the vein margins. 119.95m - 120.15m Large quartz vein. Contacts are well defined but irregular (No measurement taken) . Iron carbonate alteration is evident along a joint that cuts through the vein but is not pervasive. A single stringer of py and fine grained aspy(?) runs off of the bottom contact of this vein. 133.75m - 134.10m Concentrated interval of sulphides. Rock has an odd texture. Fine grained mylonite like layers occur that curve around silica rich clasts. Quartz carbonate veining also occurs filling the voids around some of the clasts. Some of the clasts appear to have been cut by micro faults and slightly offset. Overall sulphides amount to 1% with wavy stingers of py and euhedral clusters of aspy. These do not form in the direct proximity of the quartz veins.		900982 900983 900984 900985 900986 900987 900988 900989 900990 900991 900992 900993 900994 900995 900996 900997 900998	113.00 114.20 115.40 116.60 117.80 118.70 119.90 120.20 121.60 122.95 124.30 125.65 127.00 128.40 129.75 131.10 132.45	114.20 115.40 116.60 117.80 118.70 119.90 120.20 121.60 122.95 124.30 125.65 127.00 128.40 129.75 131.10 132.45 133.75	1.20 1.20 1.20 1.20 0.90 1.20 0.30 1.40 1.35 1.35 1.35 1.35 1.40 1.35 1.35 1.35 1.30	tr tr tr tr tr tr tr tr tr tr tr tr tr tr tr tr tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
113.00	136.40	23.40	**IV**	**Intermediate Volcanics Cont:**		900999	133.75	134.10	0.35	1%
						901000	Blank			
						900301	134.10	135.25	1.15	tr
						900302	135.25	136.40	1.15	tr
136.40	151.15	14.75	**BMLT**	**Black Matrix Lapilli Tuff (3oz Zone):**		900303	136.40	137.90	1.50	tr
				Fine grained black sedimentary matrix hosting volcanic lapillis. Lapilli are dominantly dacite in composition with some		900304	137.90	138.20	0.30	tr
				having a more andesitic nature. These vary in size from mm scale to 7 cm in size. Several large intervals of volcanics		900305	138.20	139.70	1.50	tr
				occur however these may be large blocks that were deposited at the same time as the lapilli. Unlike previous BMLT units		900306	139.70	140.05	0.35	tr
				this unit is not heavily faulted. The top of the unit is competency with the lower portions being moderately fractured		900307	140.05	141.10	1.05	tr
				containing healed gouge. Quartz occurs throughout but there is no interval displays the characteristics of the		900308	141.10	141.75	0.65	1.5%
				3oz vein. There is very little sulphide mineralization within the veins with only trace amounts of sph noted in some.		900309	141.75	143.20	1.45	1%
				Much of the interval appears to have undergone heavy ductile shearing resulting in the banding of light and		900310	143.20	144.15	0.95	2%
				dark layers. Sulphides amount to about 1% overall occurring as fine grained blebs of py, some aspy, occasional sph and		900311	144.15	145.10	0.95	2%
				stringers of a fine grained silver mineral possibly tetrahedrite(?). The well formed crystals noted in previous		900312	145.10	146.30	1.20	1%
				BMLT units are not noted.		900313	146.30	146.60	0.30	tr-0.5%
				137.95m - 138.20m Quartz vein. Top contact is gradational while the bottom is sharp and oriented at 75		900314	146.60	147.80	1.20	1.5%
				degrees TCA. The black sedimentary matrix is mixed in with the vein forming black stringers. A small fleck		900315	147.80	149.00	1.20	1.5%
				of sph within the vein is the only sulphide mineralization noted.		900316	149.00	150.20	1.20	1%
				138.20m - 139.05m Large volcanic interval comprised of dacitic tuff, light green in appearance, and unlike other		900317	150.20	151.15	0.95	tr
				small volcanic intervals this one has a gradational top contact suggesting that this one is not a block						
				deposited with the lapillis. Several small (less then 1cm) quartz carbonate veinlets cut through the dacite.						
				Trace py noted.						
				139.70m - 140.05m Quartz rich interval containing either one discontinuous veins or several small						
				veins in close proximity. The black sedimentary matrix material and some small (<1 cm) lapillis						
				are include within wavy bands through the vein. No sulphide mineralization noted.						
				141.10m - 141.75m Interval of strong andesitic character. Lapillis are much smaller (less then 0.5mm) and						
				seem to be more felsic in character hosted in a fine grained andesite like matrix. Lapilli are preferentially						
				oriented at 40 degrees TCA. Between 1 and 1.5% sulphides occur disseminated within the matrix. These						
				consist of mostly py with perhaps some fine grained aspy and a single bleb of sph noted within a small						
				quartz carbonate veinlets.						
				143.20m - 145.10m Quartz rich interval. Similar to the interval from 139.70m to 140.05m there is abundant quartz						
				veining which is either a series of small veins or one large poorly defined one. Yellow iron carbonate						
				alteration is noted within the vein and in the wisps of rock contained in it. There are no sulphides noted within						
				the vein itself however the surrounding rock contains abundant fine grained py with possibly some aspy						
				which amounts to about 2% throughout.						
				146.45m - 146.60m Quartz vein. Fairly homogenous with few a small inclusion of the black matrix in the form of						
				dark wisps. Vein appears to have been fractured then re-cemented. Within these cemented bands there						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: John Ryan DATE: 11 August 2007 HOLE NO. **SDN-07-08**

METERAGES			DESCRIPTION			SAMPLES					
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #		FROM	TO	INT	% SULPH
136.40	151.15	14.75	**BMLT**	**Black Matrix Lapilli Tuff (3oz Zone)Cont:** is a fine grained silver mineral possibly tetrahedrite(?). Overall sulphide concentration within the vein is about 0.5% with some fine grained py on the outer edges of the vein. 146.60m - 150.20m Moderately fractured interval. Rock seems to be fairly volcanic in character with infrequent lapilli noted. Within the broken intervals slickesides are noted on most surfaces which tend to be graphitic. Stringers of fine grained silver minerals noted possibly tetrahedrite(?). These are most noticeable near the beginning changing to py close to the end of the interval. Overall sulphide concentration amounts to 1.5% 150.20m - 151.15m Healed gouge. Interval is rich with black gouge that varies from poorly to moderately well re-cemented. Angular fragments of rock occur with in the gouge. Fragments of quartz are also common some of which appear to be a vein that has been pulled apart. Sulphides are noted in trace amounts however are so fine grained they can not be distinguished.						
151,15	178.35	27.20	**IV**	**Intermediate Volcanics:** Dark green to grey andesitic volcanics hosting clasts and sub parallel quartz carbonate veinlets oriented at 25 degrees TCA. The top of the unit is fairly course grained with a porphyritic texture. Small light and dark phenocrysts no bigger then 0.5cm in diameter are common near the top. This gradually gives way to a clastic andesite tuff. The clasts are varied in size, shape and composition. Siliceous clasts, some with quartz eyes, tend to be larger (up to 4cm in size) while the smaller clasts are andesitic in nature. Some of the siliceous clasts seem to have an internal micro fracture pattern that does not extend to the surrounding host rock. Over all the rock is fairly competent with a few small rubbley intervals. Sulphides occur in trace amounts with aspy noted immediately below the BMLT contact which py is noted throughout, in some places forming veinlets within healed fractures. Over all concentration amounts to trace sulphide component. 151.15m - 153.80m Concentration of aspy. Subhedral crystals of aspy and anhedral py noted. These amount to about 1% throughout the interval. Minor amounts of quartz veining occurs within this interval. Sulphides do not appear to have an association with any notable feature. 166.20m - 166.45m Melanocratic interval. Very similar in texture to the surrounding rock. 167.45m - Although contact between the phenocrysts and the finer grained tuff is gradational beyond this point only clasts are found in the core. **178.35m EOH**		900318		151.15	152.05	0.90	tr-0.5%
						900319		152.05	152.95	0.90	1%
						900320		Standard # DN4			
						900321		152.95	153.80	0.85	1.5%
						900322		153.80	155.30	1.50	Shoulder
						900323		155.30	156.80	1.50	Shoulder
						900324		156.80	158.30	1.50	Shoulder

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: Shana Dickenson DATE: August 18, 2007 HOLE NO.: **SDN-07-09**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
0.00	6.00	6.00	**OVB**	**Overburden:**						
6.00	158.15	152.15	**IV**	**Intermediate Volcanic:**		900325	19.80	21.05	1.25	tr
				Interval is dominated by light grey dacite tuff with occasional dark grey andesite interbeds. Dacitic units are		900326	21.05	22.30	1.25	tr
				characterized by abundant rounded to sub rounded volcanic clasts ranging between 0.5 to 2cm in diameter. Overall		900327	85.95	87.45	1.50	tr
				the unit exhibits a weak pale green tone resulting from an increase in chlorite (chlorite occurs pervasively and as		900328	87.45	87.75	0.30	tr
				thick patches). Few interval are noticeably lighter due to bleaching. A strong localized sedimentary		900329	87.75	89.25	1.50	tr
				influence is noted throughout. This unit is very siliceous with several intervals host stock work veining. Stock		900330	89.25	90.05	0.80	tr
				work veining encompasses large round siliceous dacite clasts. Unit is strongly faulted fractured and sheared at		900331	90.05	90.90	0.85	tr
				the top of the hole, faulting and fracturing decreases with depth. Strong iron carbonate alteration occurs in		900332	99.70	100.40	0.70	tr
				association with faulting and fracturing. Moderate amounts of gouge noted. Few irregular quartz veins noted.		900333	100.40	101.50	1.10	tr
				Sulphides total trace amounts and consist primarily of fine grained, euhedral, disseminated py with occasional intervals		900334	101.50	103.00	1.50	tr
				of coarse grained, euhedral py.		900335	103.00	104.50	1.50	tr
				6.00m - 18.20m - Andesitic unit characterized by numerous rounded to sub rounded dacite and andesite		900336	104.50	106.00	1.50	tr
				clasts. Clasts are so abundant that unit could be considered a volcanic conglomerate. Clasts range		900337	106.00	106.70	0.70	tr
				between 1 to 3 cm in diameter. Strong fracturing and intense iron carbonate alteration noted. Numerous		900338	106.70	107.70	1.00	tr
				hair line fractures noted throughout interval. Sulphides total trace amounts and consist of fine to		900339	107.70	108.95	1.25	tr
				medium grained py.		900340	Duplicate of 900339			tr
				8.15m - 8.45m - Fractured interval. Rubbley, rounded core fragments noted. Minor amounts of		900341	108.95	110.45	1.50	tr
				gouge noted on fractured surfaces.		900342	110.45	111.95	1.50	tr
				8.75m - 9.40m - Fractured interval. Numerous rounded core fragments noted. Few larger core		900343	111.95	113.45	1.50	tr
				fragments noted. Several core fragments show evidence of re-drilling.		900344	131.40	132.90	1.50	tr
				11.00m - Fault gouge.		900345	132.90	134.40	1.50	tr
				11.50m - Minor fracturing noted throughout interval.		900346	134.40	135.90	1.50	tr
				12.00m - 12.25m - Fractured interval. Minor amounts of dried clay gouge material noted on fractured		900347	135.90	136.85	0.95	tr
				surfaces.		900348	136.85	137.40	0.55	tr
				12.50m - 12.65m - Fractured interval. Same as above.		900349	137.40	138.30	0.90	tr
				17.05m - 17.10m - Rubbley interval.		900350	138.30	139.80	1.50	tr
				18.20m - 22.30m - Light grey, fine to medium grained dacite tuff unit. Numerous rounded to sub rounded		900351	139.80	141.25	1.45	tr
				intermediate volcanic clasts noted throughout interval (clasts occur less frequently then in above unit).		900352	141.25	142.75	1.50	tr
				Strong fracturing noted, numerous thin, cm scale quartz veins and shears are associated with fracturing.		900353	142.75	144.15	1.40	tr
				Significant amounts of localized, patchy dark green chlorite. Strong iron carbonate noted. Minor amounts		900354	144.15	145.65	1.50	tr
				of dissolution visible.		900355	145.65	146.80	1.15	tr
				19.80m - 22.30m - Intensely fractured interval exhibiting minor amounts of shearing. Numerous		900356	146.80	147.95	1.15	tr
				thin quartz veins noted. Patchy dark green chlorite noted. Weak sedimentary influence noted		900357	147.95	148.95	1.00	tr
				throughout interval. Minor amounts of gouge. No sulphides noted.		900358	148.95	150.10	1.15	tr
				22.30m - 29.80m - Interval is characterized by a strong sedimentary influence. Heterogeneous interval		900359	150.10	151.20	1.10	tr
				comprised of a random sequence of andesite tuff, dacite tuff and sediments (greywacke?). Andesite is		900360		Blank		

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: Shana Dickenson DATE: August 18, 2007 HOLE NO. **SDN-07-09**

METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
6.00	158.15	152.15	**IV**	**Intermediate Volcanic (Cont'd):** the dominate lithology. All lithology host varying amounts of rounded to sub rounded clasts, clasts show internal fracturing (tension fractures). Strong iron carbonate noted with minor amounts of dissolution vugs occurring in association. 23.25m -24.30m - Dark, medium to fine grained greywacke (?) interval. 23.55m - Irregular and discontinuous quartz vein. 24.50m - Large quartz vein oriented @ 60° TCA. 27.00m - 27.55m - Strong internal fracturing noted throughout interval. 28.35m - 28.60m - Numerous thin mm scale quartz vein oriented @ 34° TCA. 29.80m - 65.30m - Large light grey dacite tuff unit with few small intervals exhibiting weak sedimentary influence. Numerous feldspathic phenocrysts noted, rounded to sub rounded and pale pink in colour. Phenocrysts occur so frequently that there is an overall pink tone noted in some intervals. Abundant clasts are noted, they are equigranular and occur sporadically as concentrated intervals. Notable increase in silica throughout unit. Minor amounts of faulting noted (gouge is often associated with faults). This unit is very similar to interval 39.75m - 52.85m described in SDN-07-08. 34.60m - 41.10m - Strong quartz flooding noted throughout interval. Numerous rounded silica clasts exhibiting internal fracturing. Patchy localized dark green chlorite veins and blebs. Minor amounts of bleaching (possibly albitic alteration ?). Few tiny brown biotite flakes occurring randomly. Few sections are extremely fine grained and could be described as ash tuff. 41.10m - 44.50m - Large fractured interval comprised of numerous rubbley fault zones. Significant amounts of fine grained (dried) gouge material. Major iron carbonate noted throughout interval. Interval is very siliceous with numerous silica clasts. Strong internal fracturing noted. 46.00m - Small fractured interval. Exhibits a healed gouge texture (?). 44.50m - 65.30m - Noticeable colour change noted as a green discoloration. Possibly a result of fine grained, pervasive chlorite alteration. Interval is very siliceous with strong internal fracturing. Numerous small fractured intervals with several joints exhibit a coating of gouge on the fractured surfaces. Chlorite alteration increase towards the end of the unit. Light brown, flakes of biotite are also noted sporadically throughout interval. Sulphides total trace amounts and consist of fine grained, disseminated py. 48.15m - 48.35m - Rubbley interval. 49.25m - 2" healed gouge interval 49.35m - Dissolution features noted. Numerous small vugs visible on a fractured surface 50.15m - Fault gouge 50.40m - Same as 49.25m. Dissolution features noted.						

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FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
6.00	158.15	152.15	**IV**	**Intermediate Volcanic (Cont'd):** 52.45m - 3" fractured interval exhibiting significant amounts of gouge material on the fractured surfaces. 53.40m - 53.55m - Fractured interval. 54.40m - 54.65m - Numerous joints noted. Minor dissolution. 57.55m - 57.85m - Fractured interval. Minor gouge noted on fractured surfaces. 59.75m - 65.30m - Noticeable increase in dark green chlorite alteration resulting in a dark green colour. At the top of the interval dark green chlorite occurs as wispy stringers, towards the end of the interval chlorite is noted as dark green knots or clasts (?). Pale pink mineral noted, possibly hematite (?). 64.90m - 65.30m - Trace amounts of coarse grained, euhedral py grains scattered throughout interval. 65.30m - 66.20m - Dark grey, medium grained andesite unit. Unit is overall homogeneous exhibits little to no change in grains size or sulphide concentration. Sulphides total only trace amounts and consists of occasional coarse grains of py. 66.05m - 66.20m - Lower gradational contact. Minor shearing noted. Sulphides consist of fine to medium grained py. Several py grains are well developed showing a cubic habit. 66.20m - 75.00m - Fine grained, pale green dacite tuff interval. Abundant sub angular chloritic clasts visible, clasts are noticeably more abundant towards the top of the unit and although they are still present they occur less frequently and are smaller towards the end of the interval. This interval is also characterized by abundant intermediate volcanic, silica and sedimentary clasts ranging in size and a variety of colours. Minor to moderate fracturing noted. Sulphides occur in trace amounts as medium grained py. 71.65m - Small fractured interval. Significant amounts of gouge material noted on fractured surfaces. 72.00m - 72.70m - Strong fracturing noted. Major amounts of gouge. Intense iron carbonate and dissolution noted. 75.00m - 85.95m - Interval is characterized by a strong sedimentary influence. Numerous wispy black stringers hosted in a fine grained, light grey dacite tuff. Several small intervals exhibiting abundant black and green chloritic clasts (Numerous siliceous clasts also noted). Numerous thick mesocratic patches ranging between 5 to 20cm in length. Minor quartz veining and carbonate veining visible. Quartz veining is irregular and often discontinuous. Weak iron carbonate alteration noted as a pale yellow material in filling thin fractures. Evidence of shearing noted locally. No sulphides visible throughout interval. 75.05m - 2" quartz vein oriented @ 50° TCA. Minor shearing noted along vein boundary. Dark green chlorite. Strong iron carbonate. No sulphides noted.						

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FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
6.00	158.15	152.15	**IV**	**Intermediate Volcanic (Cont'd):** 76.60m - 76.80m - Numerous irregular quartz veins. Strong shearing in addition to a weak sedimentary influence. Strong iron carbonate. No sulphides noted. Minor chlorite alteration. 81.90m - 82.00m - Same as above. Few tension fractures (?) visible along quartz vein boundary. Quartz veins are extremely contorted and strongly folded. Sulphides occur in trace amounts as fine grained, disseminated py. 82.95m - 83.05m - Numerous quartz veins noted throughout interval. Same as above. Veins are oriented sub parallel to one another at 40° TCA. Sulphides occur in trace amounts as fine grained, disseminated py. 84.50m - 84.65m - Small fractured interval. Strong iron carbonate. 85.00m - 85.95m - Small BMLT unit. Numerous large cm scale, rounded to sub rounded intermediate volcanic clasts hosted in a fine grained black matrix. Clasts are dacitic in composition. Few irregular and discontinuous quartz carbonate veins noted. Soft sediment deformation noted as minor folding. Some sections exhibit a weak sheared texture (?). 85.95m - 90.90m - Strongly fractured interval. Fracturing is discontinuous consisting of several small fractured and fault gouge zones. Intense quartz flooding noted. Strong iron carbonate alteration (possibly traces of hematite ?). Moderate to strong chlorite + epidote alteration noted. Shearing is noted in several sections. Very siliceous. No visible sulphides 87.45m - 87.60m - Fault gouge. 87.95m - 1" fault gouge 88.25m - 88.35m - Fractured zone exhibiting significant amounts of gouge. 89.00m - 0.5" fault gouge 88.30m - 88.90m - Intense fractured, strong epidote + chlorite + quartz flooding. Core fragments are angular. Very siliceous. 90.90m - 119.95m - Fine grained, light grey dacite tuff. Strong pale yellow iron carbonate noted pervasively throughout unit. Several intervals host cm scale, rounded to sub rounded clasts. Clasts are dominantly andesitic in composition (few dacite and silica clasts also noted). Numerous small fractured intervals in addition to few large fault gouge zones. Fault gouge zones host numerous rounded or angular pebbles cemented by a fine grained clay material. Contacts of these zones are sharp. Sulphides total trace amounts and consist of fine grained aspy and medium to coarse grained py. Sulphides are localized and occur in concentrated interval. Weak foliation noted. 91.05m - Small fractured interval.						

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FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
6.00	158.15	152.15	**IV**	**Intermediate Volcanic (Cont'd):** 91.45m - 92.00m - Strongly fractured interval. 94.50m - 94.85m - Fractured interval. Strong iron carbonate noted. Minor shearing noted 97.30m - Large fractured oriented @ 25° TCA . Thick coating of grey gouge noted on fractured surface. Minor dissolution noted. 97.65m - 2" fault gouge. Pebbly gouge. 97.70m - 88.20m - Weakly fractured interval. 99.70m - 100.40m - Large fault gouge. Abundant rounded to angular clasts cemented in a fine grained, grey matrix. Significant amounts of shearing noted. 102.45m - 104.75m - Numerous large dacite and silica clasts ranging between 1-4cm in diameter. Strong pale yellow iron carbonate noted. Sulphides total trace amounts and consists of medium to coarse grained py occurring in small clusters. 104.75m - 105.65m - Moderately fractured interval. Intense red iron carbonate noted. 106.00m - 106.30m - Strongly fractured interval. Core fragments are angular. Intense iron carbonate. Trace amounts of coarse grained py noted. 106.30m- 106.70m - Fault gouge. Same as 99.70m - 100.40m. Sulphides total trace amounts and consists of fine grained aspy and py. Sulphides are hosted within fine grained matrix. 106.70m - 107.70m - Concentrated interval of sulphides totalling 0.5% consisting of fine grained aspy and trace amounts of py. Numerous randomly oriented, thin quartz veins. Moderate amounts of yellow iron carbonate occurring pervasively throughout interval. 107.70m - 108.95m - Sulphides are still concentrated however, are less abundant than between 106.70m - 107.70m. 108.95m - 119.95m - Interval is characterized by a strong sedimentary influence noted as numerous black wispy stringers of black sediments. Stringers are folded. Abundant yellow, rounded to sub rounded clasts. Minor shearing noted. Sulphides occur in trace amounts consisting of fine grained py and aspy. Aspy is less abundant throughout this interval and seems to only be present towards the top of the interval. 119.00m - 119.50m - Large dark grey andesite unit. 119.95m - 135.95m - Large green, fine to medium grained andesite interval. Intense pervasive chlorite and weak epidote alteration noted. Abundant randomly oriented and discontinuous quartz carbonate veins. Numerous joints noted with few faults and minor fracturing. Weak sedimentary influence noted. Sulphides occurring in trace amounts as coarse grained localized py. No aspy visible.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

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METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
6.00	158.15	152.15	**IV**	**Intermediate Volcanic (Cont'd):** 121.65m - 121.95m - Shear zone. Few thin quartz veins. Weak sedimentary influence noted. 124.10m - 124.75m - Numerous quartz veins running sub parallel to one another @ 34° TCA. Trace amounts of fine grained py noted. Minor carbonate noted. Gouge noted on some fractured surfaces. 126.80m - 127.20m - Weak fracturing noted. 132.65m - 2" quartz vein oriented @ 30° TCA. 135.95m- 158.15m - Fine grained, light grey dacite tuff unit. Moderate to strong sedimentary influence noted. Minor fracturing. 135.95m - 137.40m - Fractured interval hosting several fault gouge intervals. 136.85m - 137.00m - Fault gouge 137.20m - 137.40m - Fault gouge 137.40m - 138.30m - Numerous irregular quartz veins and moderate amounts of quartz flooding. Trace amounts of fine grained aspy and trace py noted. Minor shearing and moderate amounts of yellow iron carbonate noted. 143.00m - 143.60m - Strongly fractured interval comprised of numerous large angular fragments. Minor amounts of gouge noted on fractured surfaces. 144.15m - 144.35m - Same as above. 144.35m - 145.30m - Weak to moderate fracturing noted throughout interval. 147.95m - 150.10m - Concentrated interval of sulphides consisting of trace amounts of fine grained, acicular aspy and py. Sulphides are hosted in a siliceous dacite tuff unit. Interval is strongly fractured with significant amounts of soft clay gouge material and angular quartz fragments. 150.10m - 151.20m - Strongly fractured with a noticeable decrease in sulphides. 154.45m - 154.90m - Strongly fractured interval. Minor amounts of soft clay noted on several fractured surfaces. 154.95m - 155.20m - Fractured interval. 155.70m - 156.30m - Strongly fractured interval. Several fractured surfaces are coated with thick gouge. Few quartz veins noted. Lower contact is gradational over a 20 to 30 cm interval.						

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

LOGGED BY: Shana Dickenson DATE: August 18, 2007 HOLE NO. **SDN-07-09**

METERAGES			DESCRIPTION			SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
158.15	163.25	5.10	**BMLT**	**Black Matrix Lapilli Tuff:** Fine grained, black sedimentary groundmass hosting several small dacitic subunits as well as large, cm scale intermediate clasts or lapillis ranging between 1 to 5 cm in diameter. Clasts or Lapillis are rounded to sub rounded Interval exhibits strong shearing. Obvious pressure shadows occur around numerous lapilli. Few irregular quartz and quartz calcite veins which parallel shearing plans as well as several. Minor amounts of chlorite alteration noted. Major amounts of fracturing and gouge material noted throughout interval resulting in poor recovery. Sulphides occurrences are overall very consistent exhibiting little to no change in composition, grain size and habit. Sulphides total trace amounts consisting of fine grained py (possibly aspy?) 158.25m - 159.25m - Intensely fractured interval. Significant amounts of gouge material noted on several fractured surfaces. Few slickenslides noted (graphitic ?) 159.55m - 159.70m - Fractured interval. 159.70m - 159.85m - Small dacite interval. 159.95m - 161.40m - Large fine grained, light grey dacite unit. Numerous irregular quartz and quartz carbonate veins noted. Weak sedimentary influence. No sulphides noted. 160.95m - 161.30m - Strongly fractured interval. Contact is sharp and is oriented @ 50° TCA.		900361	159.95	161.40	1.45	tr
						900362	161.40	162.30	0.90	tr
						900363	162.30	163.25	0.95	tr
163.25	174.10	10.85	**IV**	**Intermediate Volcanic:** Unit is very similar to previously described intermediate volcanic unit 6.00m - 158.15m. Dominated by fine grained, light grey dacite tuff. Strong fracturing with minor amounts of gouge material noted on several of the fractured surfaces. Major amounts of irregular and discontinuous quartz veining in addition to quartz flooding. Moderate amounts of dark green chlorite alteration. Few sections are very fine grained and could be defined as an ash tuff. Sulphides are noted in concentrated intervals and occur as thin stringers (fine grained aspy in filling thin hair line fractures as well as being noted running parallel to numerous quartz vein boundaries. Aspy is extremely fine grained and is also noted throughout the matrix. 163.25m - 163.50m - Fault gouge. Upper portion fault exhibits a healed texture. Gouge is very granular hosting numerous rounded to sub rounded rock fragments (numerous quartz fragments also noted). 163.50m - 163.70m - Strongly fractured interval. Significant amounts of quartz noted. Core fragments range between 1 to 3 cm in diameter. 163.70m - 163.90m - Weak fracturing. 164.15m - 164.25m - Small BMLT interval. Joint set oriented @ 50° TCA. 164.25m - 165.60m - Major increase in quartz carbonate veining throughout interval. No sulphides noted. 165.60m - 165.90m - Fault gouge. 166.45m - 173.60m - Noticeable increase in sulphides throughout this interval. Sulphides total ~ 1% and consist of fine grained, often disseminated, acicular aspy and trace amounts of fine to medium grained py. Aspy in fills thin hair line fractures, occurs along vein boundaries and is also noted throughout the matrix. Py occurs as isolated individual grains. Moderate fracturing noted. Major amounts of irregular and sporadic quartz veining noted.		900364	163.25	164.25	1.00	tr
						900365	164.25	164.95	0.70	tr
						900366	164.95	165.60	0.65	tr
						900367	165.60	166.45	0.85	tr
						900368	166.45	167.45	1.00	1.0%
						900369	167.45	168.45	1.00	0.5%
						900370	168.45	169.45	1.00	1.0%
						900371	169.45	170.45	1.00	1.0%
						900372	170.45	171.45	1.00	0.5%
						900373	171.45	172.45	1.00	1.0%
						900374	172.45	173.05	0.60	0.5%
						900375	173.05	173.60	0.55	1.0%
						900376	173.60	174.10	0.50	tr

DIAMOND DRILL LOG

PROPERTY: Del Norte ZONE: 3oz vein

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METERAGES				DESCRIPTION		SAMPLES				
FROM (m)	TO (m)	LENGTH (m)	CODE		ALT'N	SAMPLE #	FROM	TO	INT	% SULPH
163.25	174.10	10.85	**IV**	**Intermediate Volcanic Cont:**						
				166.75m - 167.10m - Fractured interval.						
				170.05m - 170.25m - Strong shearing noted.						
174.10m EOH				171.50m - 173.60m - Fine grained matrix. Ash tuff.						
				173.60m - 173.65m - Fractured interval.						