ASSESSMENT REPORT

ON THE

2011 DIAMOND DRILLING PROGRAM

KUTCHO PROPERTY
NORTH-CENTRAL BRITISH COLUMBIA

LIARD MINING DISTRICT
104I018, 019, 028, 029
58°12’N : 128°22’W

Tenures 552782, 552785, 552792, 552794, 552796, 552805, 552809, 552812, 552814, 552816, 552820, 552823, 552911, 552913, 552914, 556552, 556555, 585957, 585958, 585959, 586844, 586846, 586848, 586849, 586850, 586851, 586852, 586854, 586855, 848105, 848106, 852142, 852162, 852163, 852164, 852165, 852166, 852167, 852344, 852345, 852346, 852347, 852348, 854561, 858667 and 861767

July 2to August 24, 2011

KUTCHO COPPER CORPORATION
OWNER AND OPERATOR

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EXECUTIVE SUMMARY

The Kutcho Property is situated in the Cassiar Mountains of northern British Columbia, 100 km east of Dease Lake. Claim holdings total 12,048 hectares (120 km^2) and cover the Lower Triassic Kutcho Formation which hosts volcanogenic massive sulphide (VMS) mineralization. Three elongate VMS sulphide deposits have been delineated. These form a linear, shallowly-plunging, west-northwesterly mineralized trend that is 3.6 kilometres long.

The Kutcho VMS deposits vary in depth. The Main deposit crops out on surface and extends to a depth of approximately 250m below surface. The Esso deposit lies 2,250 metres to the west of Main deposit and extends from 400m to 600m below surface. The Kutcho Main Lens is overlain by felsic tuffs and part of an eroded gabbro sill further west, the Sumac and Esso lenses are overlain by the felsic tuffs, the gabbro sill, clastic sedimentary rocks and basalt tuffs, a regionally distributed limestone unit and a thick mudstone sequence.

The Main and Sumac deposits were both discovered through follow-up of stream sediment geochemistry anomalies. Further exploration showed that although the Main lens responded to ground and airborne EM surveys, neither of the deeper Sumac or Esso lens could be detected. Soil geochemistry surveys show similar results to the EM surveys.

An airborne electromagnetic (EM) survey was conducted in 2011 using Geotech Ltd.’s proprietary VTEM system which offered: significantly greater depth penetration (up to 750m) compared to the two previous airborne EM surveys on the property; the potential to see through conductive overburden higher in the stratigraphy; and the generation of precisely located drill-ready EM targets that do not require follow-up ground surveys.

The interpretation of the raw VTEM survey results by Condor Consulting Ltd. defined 19 Target Zones (EM anomalies) for follow-up. Ten targets were recommended for drill follow-up, and nine of these were drill-tested in 2011. Of the nine targets drill-tested, one yielded multiple thick drill intersections of polymetallic VMS mineralization. Five holes intersected lower-grade stratabound (syngenetic) pyrite horizons and six holes intersected significant horizons of graphitic mudstone which are interpreted as the source of the EM anomalies in those areas.

All geophysical targets drill-tested this year are new targets not previously delineated by earlier airborne or ground geophysical surveys. Nine VTEM targets were drill-tested in the 2011 exploration drill program. Specific conclusions following from this exploration program are:

- The VTEM survey successfully located one polymetallic massive sulphide lens plus two other horizons of stratabound disseminated exhalative pyrite in felsic volcanic rocks.
- The VTEM survey also detected strong anomalous responses over graphitic black mudstone units. The EM anomalies generated by the sulphides and the carbonaceous mudstones are sufficiently similar that it is not possible to discriminate between sulphide-generated and graphite generated anomalies based on their geophysical responses alone.
- Drill programs testing EM anomalies on this property must be sufficiently well funded that there is capacity to test numerous geophysical targets, and must anticipate that only one target in three may be generated by bedrock sulphides.
- The Sumac massive sulphide deposit extends further south, further east and further up-dip than previously recognized during 38 years of exploration work on the deposit.
- In addition to the expected strong EM response over Main deposit, the VTEM system has been able to detect anomalous responses over the east end of Sumac deposit and along the up-dip edge of the Esso stratigraphic horizon. Respectively, these represent significantly deeper levels of penetration and higher levels of sensitivity than previous airborne EM systems used on this property.
- Graphitic mudstone horizons are common close to pyritic tuff horizons. These mudstone units may host significant exhalative (syngenetic) sulphides.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

The Kutcho Property lies in the Cassiar Mountains of north-central British Columbia, 100 km east of Dease Lake. Kutcho Copper Corporation (KCC) owns 100% of the Kutcho Property.

Exploration of the Kutcho Property through the late 1970's and early 1980's defined three elongate volcanogenic massive sulphide (VMS) deposits or lenses that form a linear, shallowly-plunging, west-northwesterly linear mineralized trend that is 3.6 kilometres long. The largest of the deposits, the Main lens, is a near-surface sulphide deposit. The adjacent sulphide lens to the west is the Sumac. The Esso deposit is furthest to the west and lies at a depth of 400m to 600m below surface.

1.1 PROPERTY DESCRIPTION AND LOCATION

The Kutcho Project area is situated 100 km east of the town of Dease Lake, and 330 km north of Smithers in northern B.C. (Fig 1.1). The property is located on NTS map sheet 104I/1. The geodetic coordinates for the center of the claim area are 58°12'N and 128°22'W. The UTM coordinates for the centre of the Main deposit are approximately 537500E and 6452000N. The KCC claims cover an area of 17,186 hectares. Claims are shown in Figure 1.2 and listed in Appendix I.

Kutcho Copper Corporation owns the claims through two separate purchase agreements and through claim staking. One agreement is with Barrick Gold Inc. (a subsidiary of Barrick Gold Corporation) and AMI Resources Inc., who had 80% and 20% ownership, respectively, in all of the claims except the 16 SMRB claims and the 30 KC claims. Ownership of the SMRB and KC claims are covered in an agreement with Sumac Mines Inc., a subsidiary of Sumitomo Metal Mining Co. Ltd. Since 2008, Kutcho Copper has staked 29 additional claimblocks.

Following notice by Kutcho Copper that it has completed a feasibility study on the Kutcho Project, Barrick will have 120 days to elect to 'back-in' for a 50% interest by spending, within two years, three times Kutcho Copper's expenditures on the property. This applies only to that portion of the property on which Barrick previously held an interest.

Pursuant to the Sumac Agreement, Sumac is entitled to a royalty of 2% of net smelter returns, on the portion of the Kutcho Project it sold to the Company, between the third anniversary and the sixth anniversary of the date of commencement of commercial production, and a royalty of 3% of net smelter returns after the sixth anniversary of the date of commencement of commercial production.

Barrick and AMI are collectively entitled to royalty of 2% of net smelter returns on the portion of the Kutcho Project they sold to the Company, which royalty is shared between Barrick and AMI on an 80/20 basis, respectively.

Kutcho Copper currently holds exploration permits for the project.

Kutcho Copper Corporation has formally entered the Kutcho project into the British Columbia Environmental Assessment process as a step toward obtain permitting for a mining operation. Initial consultations with all appropriate government agencies, both provincial and federal, have been held along with First Nations consultations and open houses. Water balance, weather, fish, archaeological and wildlife baseline studies have been completed.

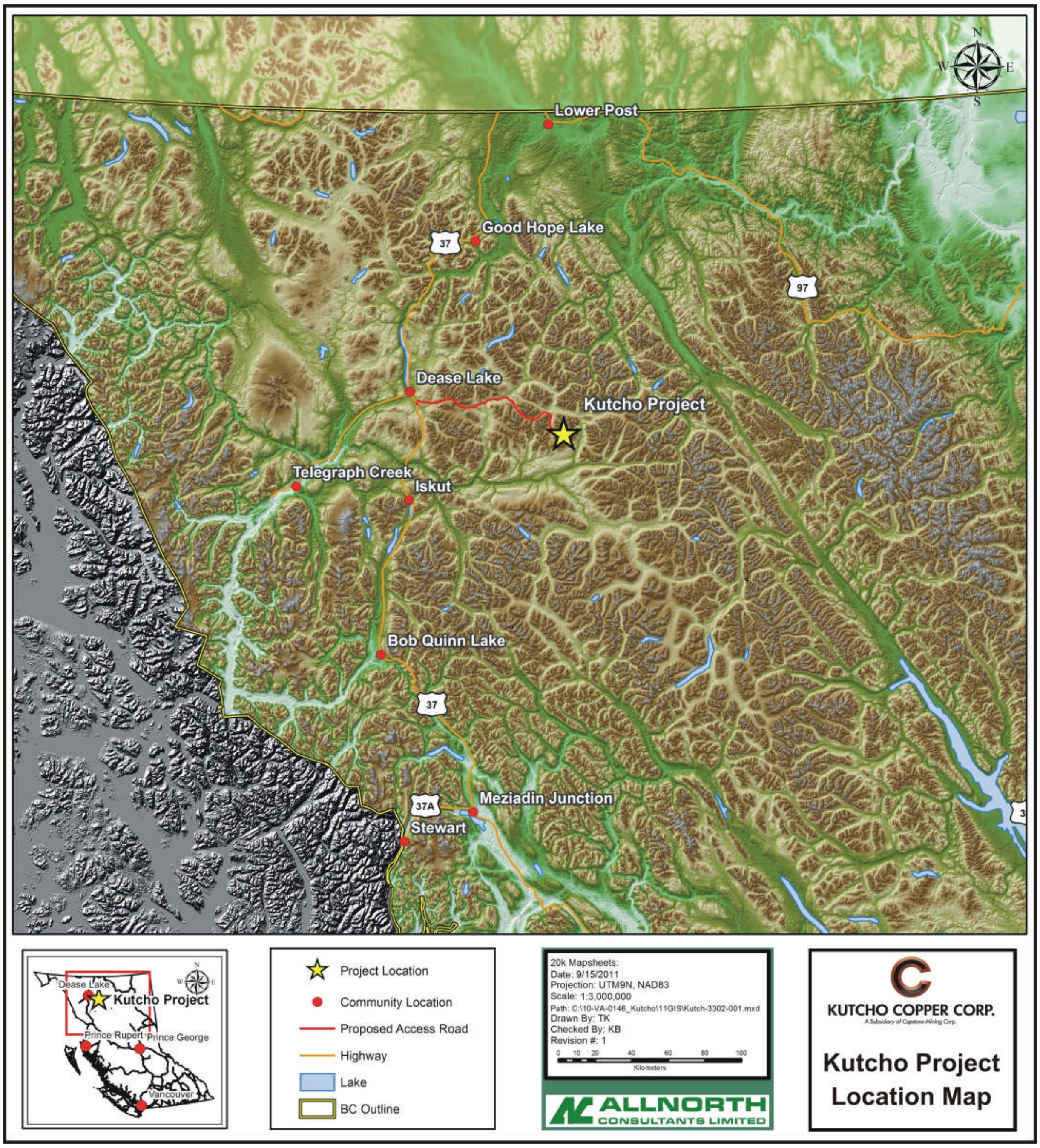


Figure 1.1 Property Location Plan

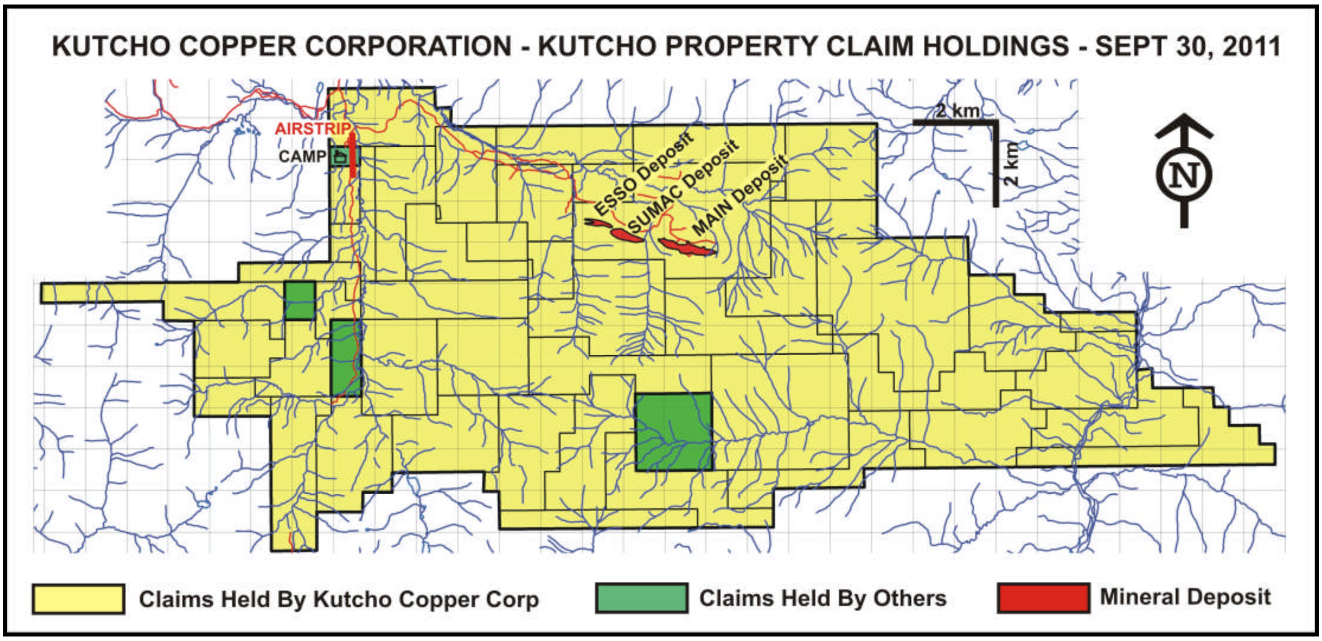


Figure 1.2 Kutcho Property Claim Map

1.2 ACCESS, PHYSIOGRAPHY AND CLIMATE

The Kutcho property is located approximately 100km east of Dease Lake, BC. Dease Lake is a community of about 650 people and has basic services such as an airstrip, medical clinic, school, restaurants, college extension campus, grocery store and hotels. The Dease Lake area offers a pool of potential project employees that would be supplemented with people from outside the region.

Dease Lake is reachable via a good all weather road, Highway 37 North, from Smithers (600 km to the south) and Watson Lake (250 km to the north). Dease Lake is 400 km from the port of Stewart. A marginal, seasonal road runs to the property but is only suitable for summer access with special equipment.

Access to the property is by fixed-wing aircraft and helicopter from Smithers or Dease Lake, landing at the 1,040 m gravel airstrip located at the junction of Kutcho and Andrea Creeks. The deposit area of the property is connected to the airstrip by a 10 km road. Currently this road has had culverts removed and is only passable to four-wheel drive trucks with good ground clearance.

Land access via the 125 km tote road to Dease Lake is available to 4-wheel drive vehicles during late summer and early fall, but passage is somewhat dependent upon weather due to extensive muddy sections.

The property is located within the Cassiar Mountains, just to the north of the continental divide between the Arctic and Pacific watersheds. The area is moderately rugged with elevations ranging from 1,400 to 2,200 metres. Most of the area is alpine with treeline at approximately 1,500 metres.

Winters are cold and dry, while the summers are cool and moist. Average annual temperature is -1°C. Average annual precipitation is 50 cm, approximately half of which occurs as snow. Snow cover can persist for nine months of the year, particularly on north-facing, shaded slopes. Dease Lake, the nearest government weather station, gets about 0.25 m of rain and over 2m of snowfall annually.

1.3 EXPLORATION HISTORY

Mineralization was first discovered on the Kutcho property in 1968 by an exploration joint venture operated by Imperial Oil Ltd. The discovery was made by prospecting follow-up of stream sediment geochemistry anomalies from samples collected during a regional drainage survey. Twenty claims were staked by W. Melnyk directly over the undiscovered Kutcho Main Lens sulphide deposit. These claims were allowed to lapse when the other partners in the joint venture declined to fund further exploration. Imperial Oil returned to the area in 1972, after the statutes of the joint venture agreement expired, in order to re-stake the area. However, Sumac Mines Ltd. (the Canadian exploration subsidiary of Sumitomo) had conducted their own regional stream sediment sampling program earlier that season and in response to anomalous samples, R. Britten staked 8 ‘two-post’ claims along the anomalous stream, and an additional 8 claims (SMRB claims) along the geological strike direction resulting in the cruciform claim outline overlying the western part of the Kutcho Main Lens sulphide deposit and the whole of the Sumac deposit. Imperial Oil (later Esso Minerals Canada Ltd.) then staked a much larger area surrounding Sumac’s claims.

Beginning in 1973, exploration work was carried out by both Sumac and Esso and early success prompted additional staking. Diamond drilling commenced in 1974 and by 1982 approximately 60,000 metres had been drilled by both companies, defining three sulphide lenses. Additionally, Esso had drilled a number of exploration targets in other areas of the property with moderate success. Environmental, metallurgical and engineering studies were begun by both groups in 1980. A partnership agreement on engineering and development work was signed by Esso and Sumac in 1983 but was retroactive to 1981, the year Sumac began work driving the adit in order to collect a 100-tonne bulk sample. The agreement was a 50:50 joint venture for development work, and culminated in a pre-feasibility study by Wright Engineers Limited in 1985. The pre-feasibility study indicated an 11.3% internal rate of return (IRR) when using a copper price of US$0.95. Given the risk factors involved and long-term price projections for copper below the 95 cent level, the companies put the project on hold pending further exploration results. Limited exploration on Esso’s claims south of the main mineralized trend between 1985 and 1988 and the numerous earlier geophysical surveys suggested limited potential for additional shallow open-pit mineralization.

In 1989, Esso sold most of its mining assets to Homestake Canada Ltd. In 1990, Homestake optioned the Kutcho property to American Reserve Mining Corporation who funded a $1.1M exploration program (Homestake remained the operator) which included 7,031m of drilling in 28 holes (Holbek *et al*, 1991) mostly in outlying target areas and thereby earned a 20% interest. Exploration was successful in confirming the presence of extensive areas of favourable geology and alteration indicative of hydrothermal activity, but failed to discover zones of potentially economic mineralization. For example, 10 km southwest of the Kutcho deposit, a narrow zone of cryptocrystalline massive pyrite with a strike length in excess of five kilometres was intersected in four widely spaced drill holes but was barren of base or precious metals. American Reserve carried out engineering studies but did no further exploration work and relinquished the option in 1993. They retained a 20% interest in Homestake’s property.

The property was optioned to Teck-Cominco Metals Ltd. in 1992. Teck-Cominco carried out deep penetration EM geophysical surveys (UTEM) over the Esso zone with the goal of defining additional conductors along the Kutcho trend. Due to extensive cover of conductive argillaceous units in the hanging wall, the UTEM system was unable to detect the Esso deposit or other conductors at depth, consequently Teck-Cominco dropped the option.

Homestake was purchased by Barrick Gold Corp in 2003.

Extensions of the favourable Kutcho stratigraphy to the west have been staked and explored by various companies in the past. Shortly after the discovery of the Kutcho deposits, Noranda staked the Kutcho formation lying to the west of Kutcho Creek. Noranda conducted geophysical surveys, and completed a small drill program of three drill holes in 1990. The claims were allowed to lapse and were re-staked in 1995 by Gary Belik. Mr. Belik carried out a detailed mapping program and optioned the claims to Atna Resources in 1997. Atna conducted a UTEM geophysical survey and an extensive drill program of nine holes. Results of Atna's work were mixed, and although no deposits were discovered, significant weak to moderately mineralized alteration zones were intersected. Structural complexity and lack of clear geophysical targets prevented additional work and the option was terminated.

Negotiations by Western Keltic Mines Inc. to purchase the property from Barrick and Sumitomo were initiated in 2003 and concluded in early 2004. Western Keltic carried out diamond drilling within the Kutcho and Esso deposits during 2004 to confirm historical results and to obtain material for metallurgical studies (Holbek and Wilson, 2005).

From July to September 2005, Western Keltic completed a 31-hole infill diamond drill program totalling 6,342m. In the deposits area, sixteen holes extended and delineated the updip and downdip limits of the Kutcho deposit and the underlying Footwall Zone. Four holes plus four branch holes located the western edge of the Esso deposit, and four holes discovered a higher grade core and the western limit to the Sumac Deposit. Regional exploration holes included one hole at the Jack target which confirmed a weakly mineralized horizon 5km east of the Kutcho deposit, and one hole at the North Graben target that aided in the geological understanding of the rhyolite flow-dome complex.

In 2006, Western Keltic Mines Inc. completed an infill diamond drilling program on the Kutcho property from mid-September to the end of October. A total of 1,870 metres were drilled in 23 BTW diameter diamond drillholes at a total cost of approximately $1 million.

In 2007, Western Keltic Mines focused on several aspects of pre-mine development, most of which had a field component. Logistical work involved expansion to a 45-man camp. Baseline environmental studies encompassed acid rock drainage, air quality, archaeology, fisheries, groundwater hydrology and hydrogeology, meteorological data collection, terrain mapping, traditional use characterization, plus vegetation and wildlife inventories. Technical surveys concentrated on road design, layout and surveys; geotechnical foundation studies including seismic plus drill and test-pit examination of soil and rock depths, composition and stability; surveying of claims, mining lease and drill collar locations; and geological mapping of potential limestone horizons in Andrea Creek. Engineering studies focussed on mine and mill layout, pit stability and design, database verification and resource calculation, geohazards identification, metallurgical studies, and water balance calculations. Non-engineering work included development of safety, environmental and First Nations policies, operational protocols and project scheduling. Local area consultations included discussions toward impact benefits agreements and well as the signing of MOU's regarding ports, and with First Nations regarding project review participation and funding.

In 2008, Sherwood Copper Corporation purchased Western Keltic Mines Inc. and all assets and amalgamated these with Sherwood's wholly-owned subsidiary which was renamed Kutcho Copper Corporation.

Between May and August of 2008, Kutcho Copper Corporation completed a major diamond drill program entirely within the perimeter of the Main lens. 9,905 metres of drilling in 78 holes (plus three abandoned holes) provided core for assay and metallurgical processing. Based on these drill results, a new resource calculation was prepared (Appendix II).

In A total of ten thousand (9,905) metres of HQ size core was drilled in 2008 by 669856 B.C. Ltd., doing business as SCS Diamond Drilling, 1270 Salish Road, Kamloops, BC, Canada, V2H 1K1. The drill contractor was under the direct supervision of KCC personnel who were also responsible for supervising temporary employees and contractor geologists in core logging, sample collection, sample preparation, QA/QC programs and preparation of sample shipments to various analytical facilities for either assay or metallurgical testing.

The principal objectives of the 2008 drill program were to:

- Infill gaps in previous resource drilling programs and enlarge the assay database;
- Better define and test higher grade trends for expansion within the Main Deposit;
- Demonstrate grade continuity in order to support a better resource classification;
- Provide material for extensive metallurgical testing that will relate to a revamped mine plan;
- Provide geotechnical information for mine design and for assessment of infrastructure locations; and
- Provide information to support project permitting activities and to develop a mine closure plan.

The 2008 drill program was designed principally to increase the assay sample density and to provide material for further metallurgical and environmental testing. The drill program in-filled on earlier work that had already defined the gross limits and overall geometry of the mineralized zone and as expected did not result in a material change to these limits or the geometry of the resource model, but it did better define higher grade trends within the deposit and provided more confidence in, and thus increased, the classification levels for this new mineral resource estimate.

In late 2008 Sherwood Copper Corporation merged with Capstone Mining Corporation, forming Capstone Mining Corporation.

Re-logging historic drillcore from the southern area of the claims was carried out in the spring of 2009 in preparation for a surface prospecting and mapping program over the same ground later in the season. In the area of these drillholes, 7 kilometres southwest of the three Kutcho VMS deposits, the southern limb of this anticline exposes part of the same favourable stratigraphy that hosts the VMS deposits on the north limb of the anticline. The early spring corelogging campaign was followed by a Soil Gas Hydrocarbon sampling program over the north-central section of the large contiguous claim block, including the known mineralized areas and their strike extensions. This soil sampling survey was followed by a property-wide, helicopter-supported program of mapping and prospecting.

Kutcho Copper Corporation completed a second diamond drill program in 2010. On July 3rd, 2010, a program of infill and step-out drilling commenced on Esso deposit which generated significant changes in the Mineral Resource Estimate of Esso deposit.

A total of eighteen thousand (17,970) metres of HQ size core was drilled in 2010 by Driftwood Diamond Drilling Ltd., PO Box 2650, 2728 Pacific Street, Smithers, BC, Canada, V0J 2N0. The drill contractor was under the direct supervision of KCC personnel who were also responsible for supervising temporary employees and contractor geologists in core logging, sample collection, sample preparation, QA/QC programs and preparation of sample shipments to various analytical facilities for either assay or metallurgical testing.

The principal objectives of the 2010 drill program were to:

- Test selected undrilled perimeter areas to expand the size of the deposit
- Infill gaps in previous resource drilling programs and enlarge the assay database;
- Better define and test higher grade trends for expansion within Esso Deposit;
- Demonstrate grade continuity in order to support a better resource classification;
- Provide material for extensive metallurgical testing that will relate to a mine plan;
- Provide geotechnical information for mine design and for assessment of infrastructure locations; and
- Provide information to support project permitting activities and a mine closure plan.

The 2010 drill program was designed principally to increase the assay sample density and to provide material for further metallurgical and environmental testing. Most drillholes in-filled on earlier work that had already defined the gross limits and overall geometry of the mineralized zone and as expected did not result in a material change to these limits or the geometry of the resource model. The 2010 program better defines higher grade trends within the deposit, eliminates an internal gap in the resource model at the west end of Esso deposit and provides more confidence in, and thus increases, the classification levels of the new mineral resource estimate.

1.4 2011 EXPLORATION PROGRAM

From April 8 to 19, an airborne electromagnetic (ABEM) survey was conducted over the Kutcho Property using Geotech Ltd.'s proprietary VTEM system (see separate Assessment Report). The VTEM system offered:

- significantly improved depth penetration (up to 750m) compared to the two previous airborne EM surveys on the property (Aerodat - 1974; Input Mark VI - 1985), and the survey covered a larger area than either previous ABEM survey.
- a potential to see through the conductive overburden higher in the stratigraphy.
- generation of precisely located drill-ready EM targets that did not require follow-up ground surveys.

This geophysical program was followed by a drill program that tested nine high-priority VTEM targets. Results achieved at 8 of these VTEM targets are documented in this report.

2.0 GEOLOGY

2.1 REGIONAL GEOLOGY

The Kutcho property lies within the King Salmon Allochthon (KSA), which consists of a fault-bounded, narrow belt of Permo-Triassic island-arc volcanic rocks (Kutcho Formation) and younger, undated sedimentary rocks. These strata are sandwiched between two northerly-dipping thrust faults, the Nahlin fault to the north, and the King Salmon fault to the south (Fig. 2.1).

Kutcho Formation is thickest in the area where it hosts the volcanogenic massive sulphide deposits due in part to primary deposition, but also to stratigraphic repetition by folding and, possibly, thrusting. KSA is terminated to the east, near the eastern edge of the property, by the strike-slip Kutcho fault (Gabrielse, 1978) but KSA extends to the west for hundreds of kilometres. However, Kutcho Formation volcanic rocks thin to the west and are poorly exposed from a point 10 km west of Kutcho Creek all the way to Dease Lake.

KSA stratigraphy consists primarily of the Kutcho Formation, overlain by a regionally extensive limestone unit, which is overlain by a thick succession of fine clastic sediments, predominantly siltstone and mudstone. These are important units for clarifying the structural picture, major folds are clearly delineated by the outcrop trace of the limestone or by the contact between the volcanic and siltstone successions where the limestone is absent (Fig. 2.2). The limestone has historically been correlated with the Upper Triassic Sinwa Formation which has its type exposure on Sinwa Mountain 300 km to the west. By association, the black siltstone succession has been correlated with the Lower Jurassic Inklin Formation. However, stratigraphic relationships established in property-scale mapping at Kutcho program show that these regional stratigraphic correlations cannot be valid.

2.2 PROPERTY GEOLOGY

2.2.1 Stratigraphy

Stratigraphy of the Kutcho property has been described by Thorstad (1983), Bridge (1984) and Holbek (1985) and is only be briefly reviewed here. Figure 2.3 shows the property geology map, and a generalized stratigraphic section is presented in Figure 2.4. Stratigraphy is best understood in the upper part of the Kutcho Formation where detailed drill information is available. The footwall stratigraphy, particularly away from the deposit area, is known only from surface mapping.

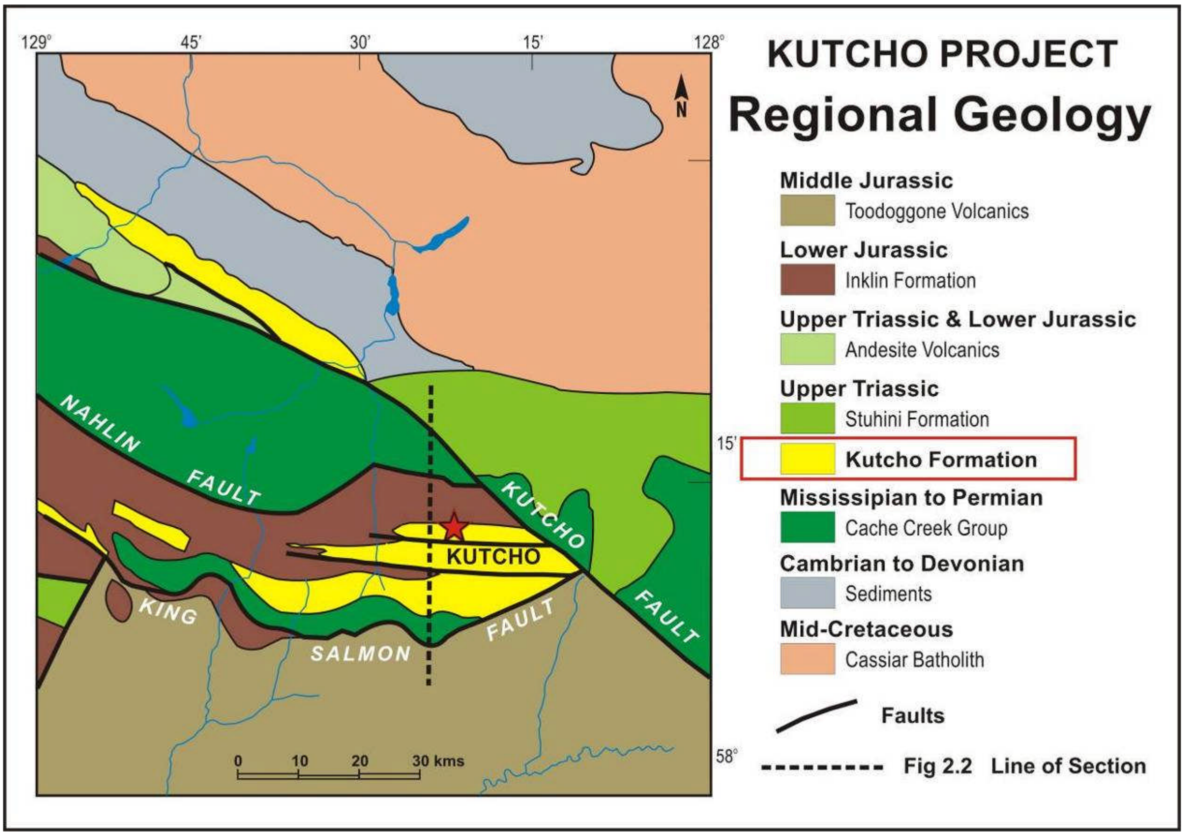


Figure 2.1 Regional Geologic Setting of the Kutcho Property

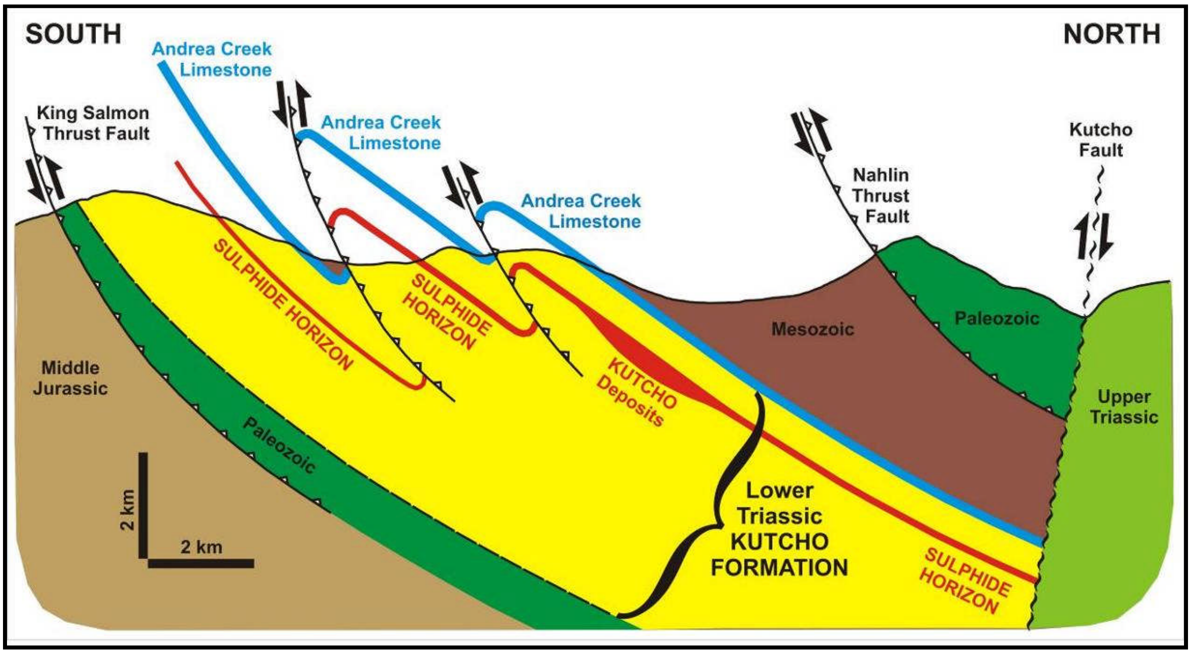


Figure 2.2 Schematic cross-section of the King Salmon Allochthon in the Kutcho deposits area

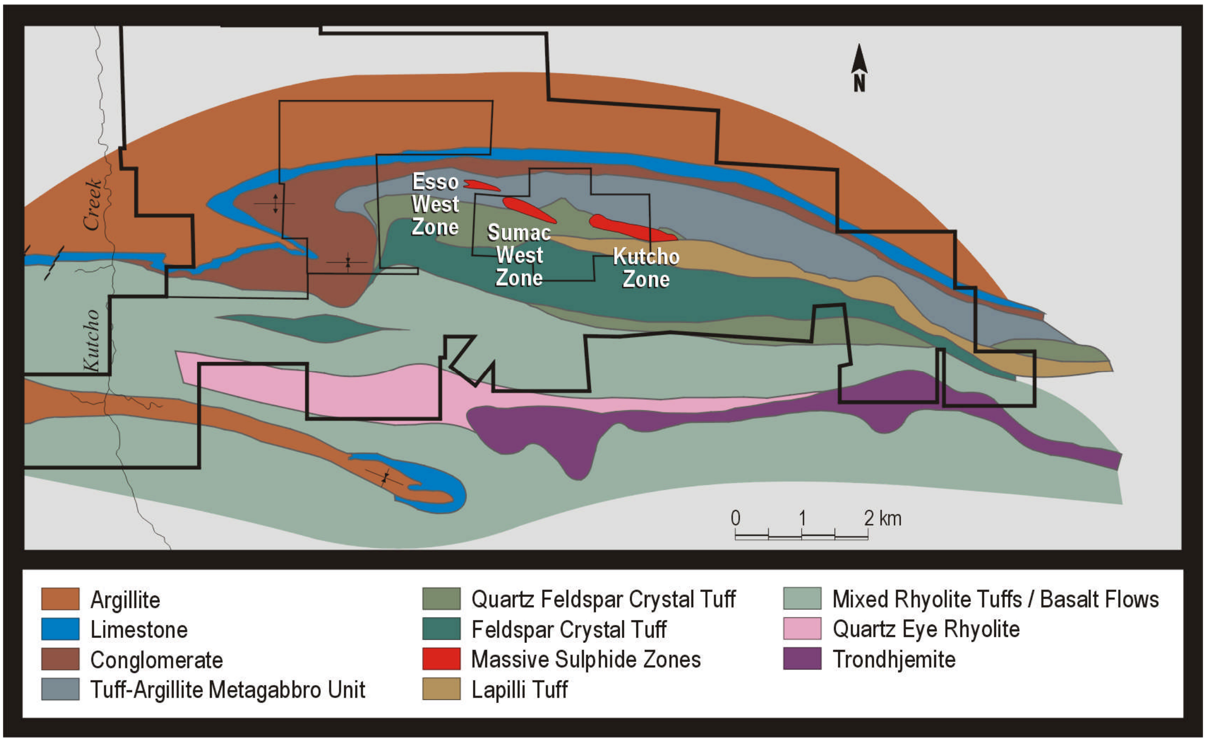


Figure 2.3 Simplified Kutcho Property Geology Map (with historical claim outline and surface projection of sulphide deposits)

The lowest rocks in the section include interlayered basalt, basaltic tuff and wacke, rhyolitic lapilli tuff and trondhjemite intrusive. Mafic rocks are fine to very fine grained, chloritic, and equigranular to weakly porphyritic. Lapilli tuffs are pale grey, siliceous and commonly contain very fine quartz phenocrysts and lenticular fragments from 0.5 to 3 cm in length. Textures can only be seen on weathered, lichen-free surfaces. Trondhjemite is described by Pearson and Panteleyev (1975) and Bridge (1983) as fine-grained, equigranular and plagioclase-rich. Weak but pervasive carbonate-chlorite-pyrite alteration of this unit is discernable.

Rocks overlying the basalt-lapilli tuff package have been termed the “ore-sequence” and consist of lapilli tuffs, crystal-lithic tuffs, quartz and quartz-feldspar crystal tuffs. Away from the deposit area, these units tend to be thin, interbedded, and variably but weakly altered. Fine quartz-crystal ash tuff with silica-rich laminations and rare thin zones of ferroan dolomite typically mark the distal exhalative zone. Sulphide zones occur at, or near to, the contact between footwall lapilli tuff and hangingwall quartz crystal tuff. Both lapilli fragments and phenocrysts are much coarser grained in the vicinity of the deposits, and become progressively finer grained to the south and west. Quartz-feldspar crystal tuff is quartz-rich near the deposits and to the south becomes more feldspar-rich.

A coarse breccia is developed within the quartz-feldspar crystal tuff immediately over the sulphide zones. Breccia fragments are typically sub-round, from 2 cm to 30 cm in size and are identical to crystal tuff matrix except for an increase in epidote from 2% to 10%. This rock texture has been interpreted to be a debris flow of semi-consolidated crystal tuff shed from a flow-dome complex, and trapped in a graben or half-graben structure that hosts the sulphide lenses.

Rocks between the ore sequence and the overlying conglomerate unit are called the Tuff-Argillite Unit (TAU) and consist of gabbroic to basaltic intrusive sills and dikes, greywacke and argillite, and basalt tuffs and crystal tuffs. Gabbroic rocks are locally porphyritic with striking white euhedral plagioclase crystals ranging up to 2 cm long. In the area of the deposit the gabbroic units are more coarse-grained. Higher in the section and both to the east and west from the Kutcho deposit this mafic unit becomes much finer grained and an intrusive origin is not so clearly identified. The amount of argillite increases in a westerly direction supporting the concept that this direction is towards the marine basin. The base of the TAU is interpreted to be a thrust fault and there are numerous other fault zones within the unit as noted in drillcore and in the adit.

Overlying the Tuff-Argillite Unit, and truncating it to the west, is the Pebble Conglomerate. This unit is a heterolithic, fragment-supported conglomerate composed of well-rounded to sub-rounded elongate rhyolite clasts, ranging in size from 1 cm to 38 cm long and derived from all of the underlying lithologies. The conglomerate is conformably overlain and transitional into the limestone, which in turn appears to be conformably overlain by a thick mudstone-siltstone sequence which incorporates minor lenses of limestone near its base.

Thorstad (1983) determined an Upper Triassic age for the Kutcho Formation on the basis of Rb-Sr dating of volcanic rocks and regional stratigraphic correlation of sedimentary units. Subsequent U-Pb dating of five lithologies (Childe and Thompson, 1977 and Schiarizza, 2011b) constrains the age range of the volcanic strata to Early Triassic.

2.2.2 Structure

Rocks of the Kutcho Formation are characterized by planar foliation at a relatively constant strike direction of 270 to 290 degrees with northerly dips from 45 to 65 degrees. The dip of foliation decreases with structural depth. Foliation is part of the stress envelope associated with the regional thrust-faulting event that created the King Salmon Allocthon.

Folds are open to tight, asymmetrical, inclined and verging to the south. Folds plunge from 0 to 30 degrees west. Folds are most evident in well-bedded, competent units and fold data is heavily biased to the western property area, where these units predominate. The scale of the folds, combined with the large expanses of unfolded monoclonal strata, suggest that these are drag folds developed directly above and below the thrust fault planes (Figure 2.2).

Structures that critically affect stratigraphic interpretation are foliation-parallel thrust faults. These are difficult to detect in outcrop but can be inferred from foliation intensity, missing stratigraphy, contact geometry and topographic evidence. Faults of this type are considered to be present over the entire property.

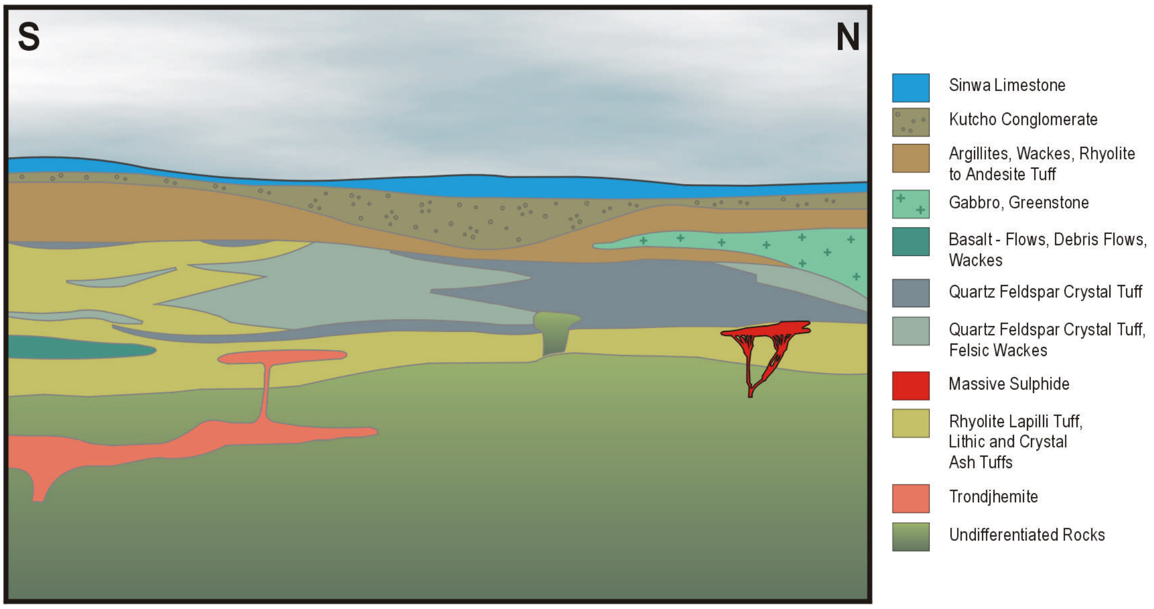


Figure 2.4 Reconstructed Stratigraphic Section (10x Vertical Exaggeration)

3.0 MINERALIZATION AND ALTERATION

Three deposits comprise the Kutcho project. These form a west-plunging linear trend (Figures 2.3 and 3.1). From east to west the deposits are the Main, Sumac and Esso deposits (these deposits were previously termed Kutcho, Sumac West, and Esso West, respectively).

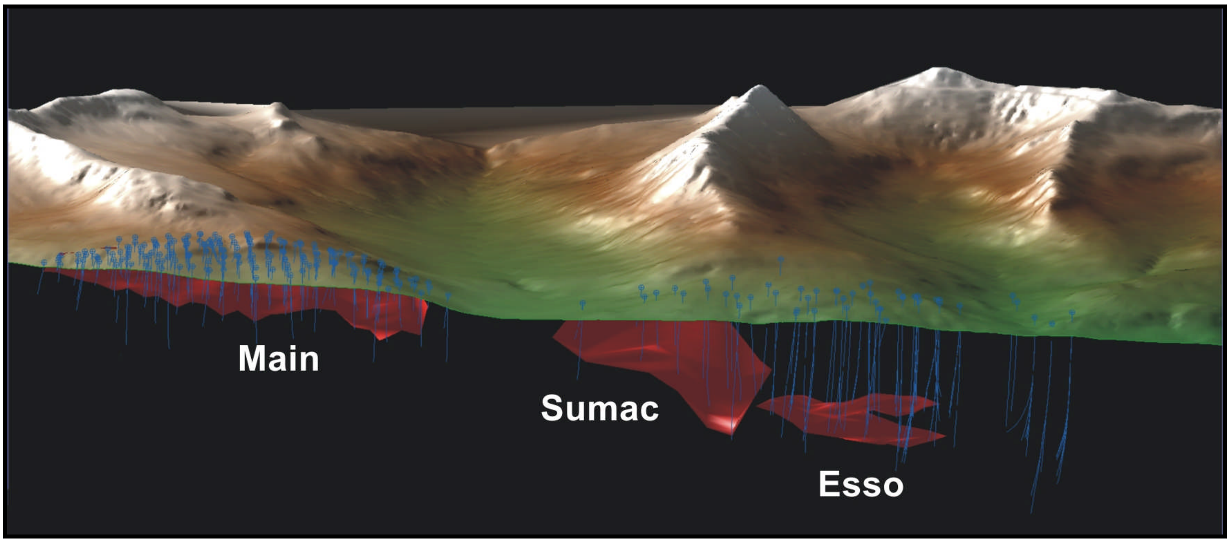


Figure 3.1 Kutcho sulphide deposits, drillholes and topography – looking south

Main deposit crops out on surface and extends to a depth of approximately 250m below surface at its western tip, while the Esso deposit lies 2,250 m to the west of Main deposit and extends from 400m to 600m below surface. A combined mineral resources for the three deposits is summarized in Table 3.1.

Kutcho Project - Mineral Resource Estimate at a 1.5% Copper Cut-Off for All Deposits (1)									
Class	Tonnes (000's)	Grade				Contained Metal			
		Copper (%)	Zinc (%)	Gold (g/t)	Silver (g/t)	Copper (M lb.)	Zinc (M lb.)	Gold (K oz)	Silver (K oz)
Measured (M)	5,421	2.15	2.86	0.34	31.4	256.6	341.8	59	5,482
Indicated (I)	5,859	2.24	3.67	0.45	41.6	289.2	473.5	84	7,831
M & I	**11,280**	**2.19**	**3.28**	**0.39**	**36.7**	**545.8**	**815.3**	**143**	**13,313**
Inferred	1,090	1.74	2.04	0.35	30.7	41.9	49.1	12	1,077

Table 3.1 Measured, Indicated and Inferred Mineral Resources for the Kutcho Property (Resource updated by KCC on February 15, 2011. Tabulated at a 1.5% copper cut-off for all three deposits.) A detailed resource tabulation is included as Appendix II.

3.1 DEPOSIT TYPE

Mineralization at the Kutcho project is part of the volcanogenic massive sulphide (VMS) family of deposits. These deposits are a major source of copper, zinc, lead, silver and gold around the world. Speculation about the origin of these deposits goes back to mid 1850's when various French and English scientists postulated chemical precipitation from seafloor volcanic activity (Stanton, 1991). In the early 19th century, Japanese workers documented the sulphide textures preserved in the Kuroko deposits of Japan and the association of these deposits with rhyolite domes, developing the "submarine sinter theory". However, this work did not attract much attention and the Japanese genetic theories or models of ore formation of this deposit-type did not really gain international acceptance until their observations were translated and published by other workers in the late 1950's. Discovery of the metalliferous Red Sea brine deposits in 1965 provided substantial impetus for the proponents of the "submarine exhalative" model. A certain amount of controversy between syngenetic and epigenetic theories continued through the 1970's, but with the advent of deep-sea submersibles and the filming of black and white "smokers" or hydrothermal vents in volcanic rift zones on the seafloor, scientific models could go to a new level of detail.

VMS deposits have been classified into six subtypes (Figure 3.2) depending upon the hostrocks, mineralization, and tectonic setting. Depending on the classification scheme used, Kutcho VMS deposits are Kuroko type or Felsic volcanic-Siliciclastic class. In this model, mineralization is related to felsic volcanism in island-arc or back-arc tectonic settings. A significant feature of VMS deposits from an exploration perspective is their tendency to occur in clusters. Larger VMS camps have up to 25 discrete deposits. Extensive mineralized districts, called volcanic belts, can extend over 200 km in length.

Features of Kutcho deposits suggest that they formed at or near the seafloor in a structurally controlled depression, such as a half-graben. The VMS deposits at Kutcho have some features that are not common to this class of deposits: the absence of lead and barite is likely due to the low potassium content of the volcanic hostrocks and the presence of abundant carbonate.

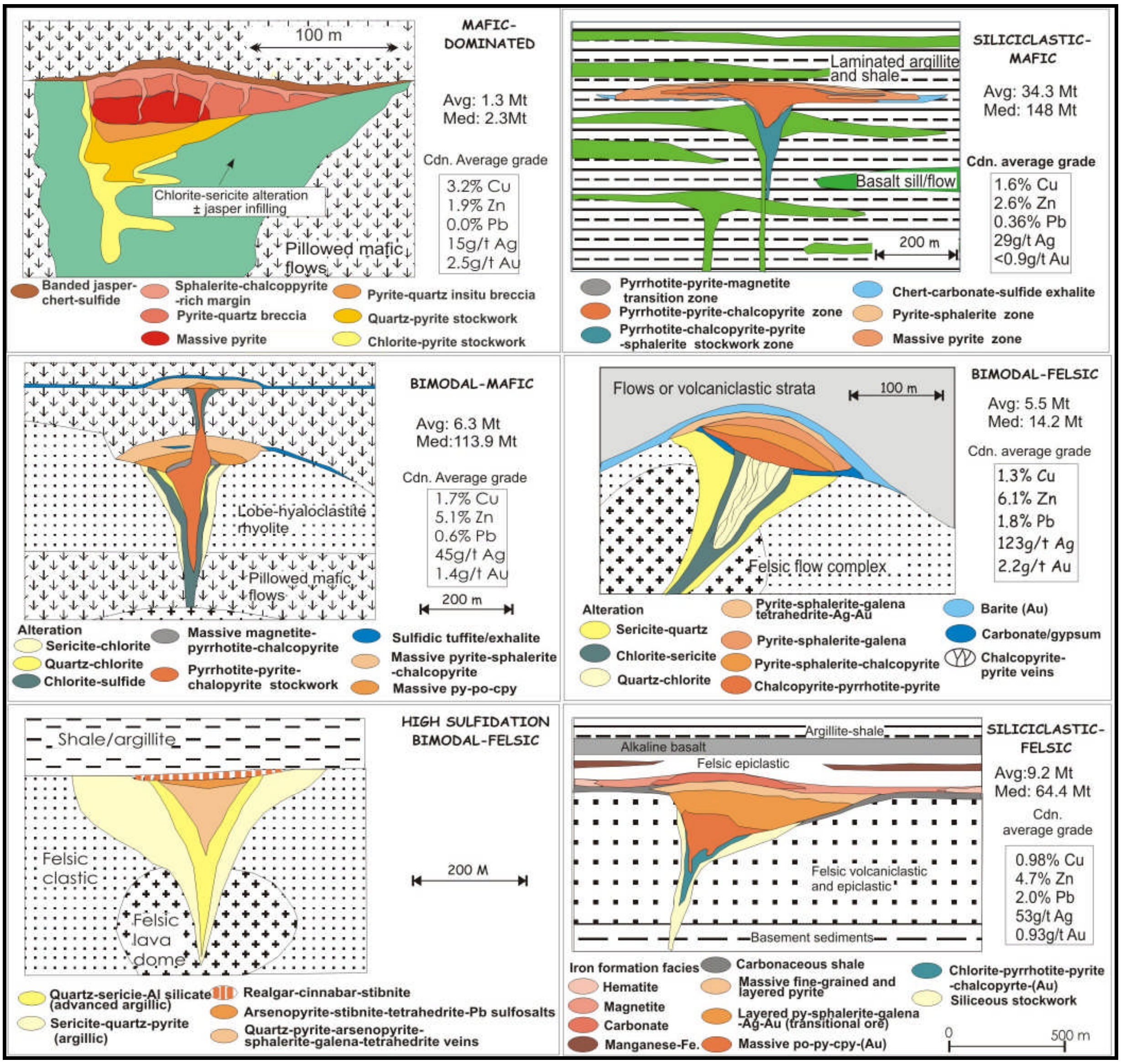


Figure 3.2 The six types of volcanogenic massive sulphide deposits (Galley et al., 2007)

Alteration associated with VMS deposits is well-documented and provides a valuable exploration tool. Since the volume of altered rock is 10 to 100 times greater than the actual sulphide deposit, alteration provides a larger exploration target. Extensive studies of the alteration around the Main deposit have been completed and the alteration is chemically well-zoned about the hydrothermal vent area. Applying this known zonation, geochemical analyses of drill core within the alteration zone provide vectors towards a hydrothermal vent area and, hopefully, new sulphide deposits.

Geophysical techniques such as electro-magnetic (EM) and gravity surveys are useful for locating conductors or possible sulphide concentrations. EM methods can be used in airborne and ground surveys but can also be used within drillholes to locate "off-hole" conductors, thereby effectively increasing the search area of a drillhole. Many airborne and ground geophysical surveys have been completed on the Kutcho property and most high-priority targets identified to date have been investigated.

3.1.1 Main (Kutcho) Deposit

Main deposit has an elliptical, lenticular shape with approximate dimensions of 1,500m length, 300m width (down-dip) and 30m thickness (34m maximum thickness). These dimensions roughly translate to 5000ft length, 1000ft width, and 100ft thickness. The long axis of the deposit plunges west-northwest at 12 degrees towards azimuth 285 degrees. The deposit is stratabound and approximately conformable with stratigraphy (Figure 3.3).

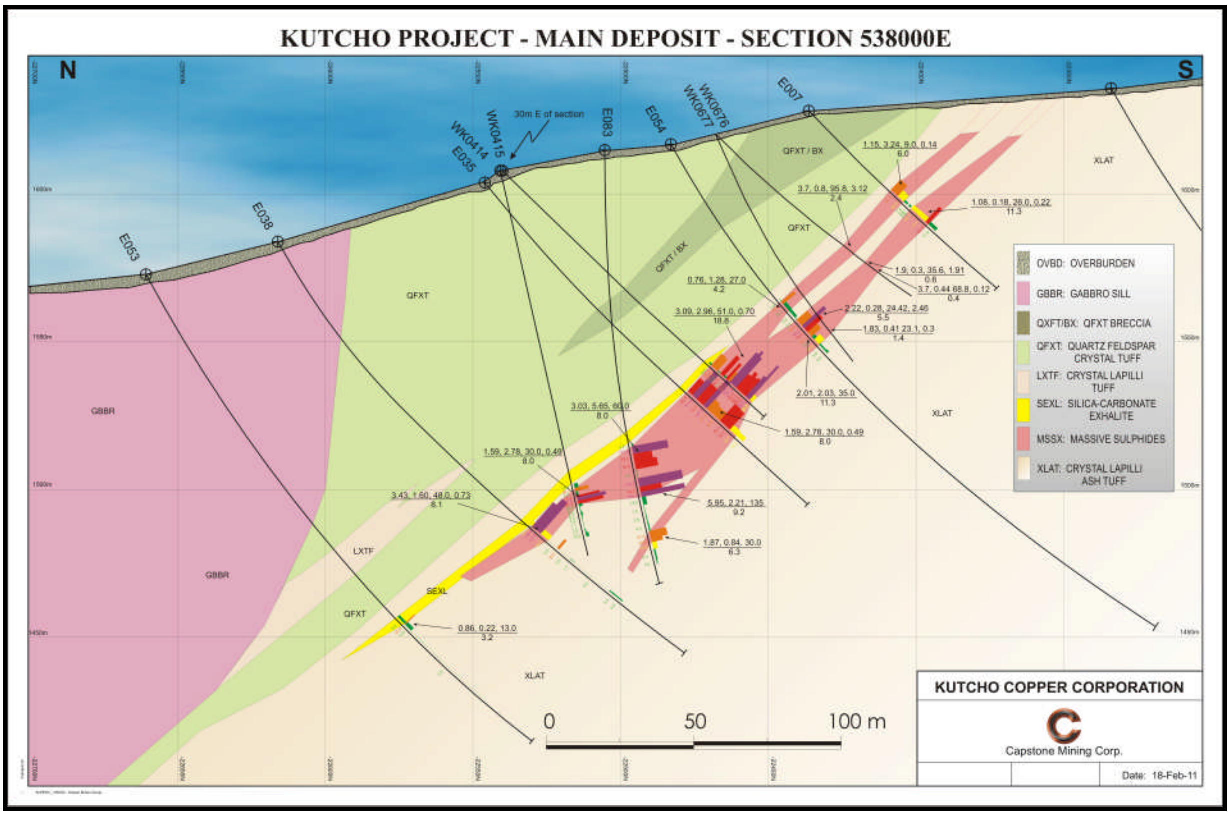


Figure 3.3 North-south cross-section through Main deposit

There is a gentle warping of the deposit such that the dip of the deposit changes from east to west and from north to south. The shallowest dip, about 38°, occurs at the southeastern edge and becomes progressively steeper, to about 63°, at the northwestern edge. In general, the up-dip edge of the sulphide lens is thinner and pinches out, whereas the down-dip edge is thicker and interlayered with tuffaceous rock.

Sulphide mineralogy of the deposit is relatively simple and consists of pyrite, chalcopyrite, sphalerite and bornite, with minor chalcocite, tetrahedrite, diginite, galena, idiaite, hessite and electrum. Gangue minerals include quartz, dolomite, ankerite, sericite, gypsum and anhydrite. Fluorite and barite have been observed but do not occur in significant amounts.

Interpretation of the shape of the sulphide zone, together with the observed volcanic and depositional textures of the enclosing rocks, suggests that sulphide mineralization was deposited in a structural depression, likely a half-graben. The internal stratigraphy of Main deposit was determined by detailed drillcore logging along a single longitudinal section of drill holes (Figure 3.4; Holbek and Heberlein, 1986). The deposit formed from three hydrothermal-depositional cycles that begin with barren pyrite which grades into a copper-rich middle and zinc-rich top. Depositional cycles are commonly separated by layers of exhalative quartz and/or carbonate and minor volcanic ash. However, post-depositional hydrothermal activity resulted in sulphide replacement mineralization which tends to blur metal gradation zones and boundaries of exhalative cycles. Additional features such as an irregular depositional surface and localized slumping of sulphide mineralization or chimney collapse, and late-stage (post depositional) hydrothermal activity also add complexities to the internal sulphide stratigraphy.

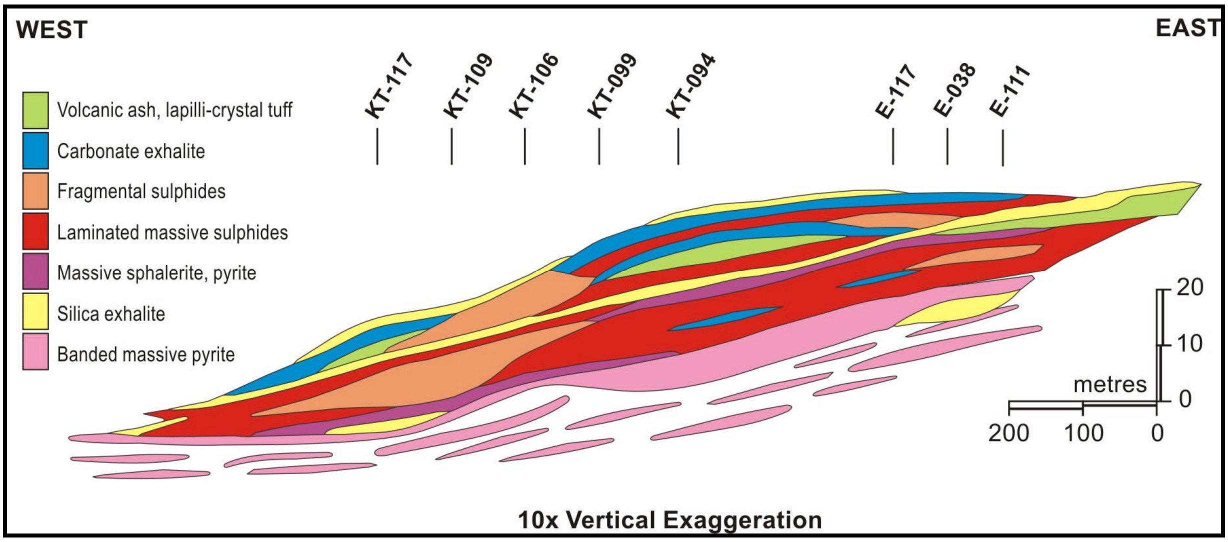


Figure 3.4 Vertical longsection through Main deposit showing internal stratigraphy and lithofacies.

Areas of late overprinting by remobilized copper minerals, and enrichment in precious metals, are interpreted as indicators of vent areas and occur along a linear trend on the down-dip side of the Main deposit with two "hot-spots" near each end of the deposit (Figure 3.5). However, no areas of 'classic' copper-rich footwall stringer mineralization have been encountered by drilling.

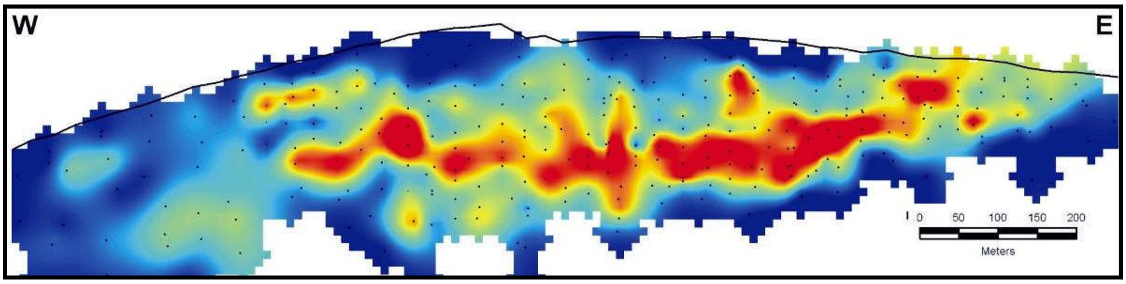


Figure 3.5 Vertical longsection along Main deposit showing contoured Cu% x Thickness. Black dots are drillhole pierce-points.

The upper contact of the sulphide mineralization is sharp with almost no sulphide minerals occurring in hangingwall rocks with the exception of scattered coarse crystals of porphyroblastic pyrite. However, sericite alteration of feldspar in the hangingwall strata is gradational from very weak at distances of up to 50m above the sulphide contact to intense from 1m to 10m above the sulphide lens. It is common for a shear zone to occur at the upper sulphide-schist contact; this shear zone varies from 20 cm to a maximum of 200 cm in thickness, and in many drillholes this hangingwall fault carries some grade. The base of the deposit consists of nearly barren massive pyrite with interstitial quartz. The contact between ‘ore’ and the footwall pyrite zone can be either gradational or sharp. Below the footwall pyrite zone is quartz-sericite schist with bands of generally barren, massive to semi-massive pyrite. The footwall pyrite content diminishes with depth away from the deposit, extending to a maximum depth of 200m below the central part of the deposit. Although the footwall material appears to be of low competence in drillcore, it holds up very well in the adit.

3.1.2 Sumac Deposit

Sumac deposit has not previously received much attention due to its relatively low grades. It has been intersected in just 14 drillholes. A resource estimate is presented in Appendix II.

Sumac mineralization is massive to banded pyrite with varying amounts of chalcopyrite and sphalerite, but lacking bornite. The deposit is oval, 840m long, 250m wide and from 20m to 32m thick. Hangingwall alteration is similar to Main deposit; the footwall contains less pyritic banding, progressing much sooner into chlorite-altered lapilli tuff.

3.1.3 Esso Deposit

Esso deposit was discovered by following the trend in mineralization westward beyond the Main and Sumac areas. The deposit lies between 400m and 520m below surface. Like the others, Esso is an elongate lens with dimensions 640m long, 150m wide and up to 24m thick. Mineralization in Esso lens is higher grade than both Main and Sumac deposits, but displays similar mineral zonation with copper-rich and zinc-rich layers or zones with highest grades concentrated in the central area of the larger lens. Hangingwall and footwall alteration is similar to Main lens and three-dimensional modeling indicates that these two deposits lie along the same stratigraphic horizon.

Drillholes are spaced approximately 30m to 50m along sections variably spaced 50m to 60m apart. The resource estimate summarized in Appendix II is based on 43 drill intersections.

3.1.4 Other Mineralization

Other zones of mineralization on the Kutcho Property include the Footwall zone, and the Jenn area. The Footwall zone occurs approximately 85m stratigraphically below the footwall of Main deposit, and extends up-dip to surface in two locations. Footwall zone is 2m to 5m thick and relatively zinc-rich compared to Main lens. Didur (1979) calculated an inferred resource estimate using a polygonal method, of 230,000 tonnes grading 1.47% Cu, 5.52% Zn, 43.7 g/t Ag and 0.4 g/t Au (historical resource; non-compliant with NI 43-101).

The Jenn claims at the eastern end of the property received a fair amount of exploration attention by Esso. Although significant alteration and some local mineralization were intersected, no resources have been defined in the Jenn area. Folding appears to limit the down-dip potential in this area but revisions to the structural interpretation are likely and detailed geophysical surveys may enhance the area’s potential.

Exhalative mineralisation west of upper Kutcho Creek is hosted by strata that correlate closely with hangingwall units exposed at the deposits. The three separate areas of exposure of the Eveready prospect and the adjacent Belik showing consist of stratabound, crudely stratiform mineralization repeatedly exposed with predictable regularity on adjacent fold limbs.

4.0 2011 Airborne Electromagnetic Survey

From April 8 to 19, an airborne electromagnetic (ABEM) survey was conducted over the Kutcho Property using Geotech Ltd.'s proprietary VTEM system. The VTEM system offered:

- significantly improved depth penetration (up to 750m) compared to the two previous ABEM surveys on the property (Aerodat - 1974; Input Mark VI - 1985)
- the VTEM survey covered a larger area than either previous ABEM survey.
- the potential to see through the conductive overburden.
- generation of precisely located drill-ready ABEM targets that did not require follow-up ground surveys.

The ABEM survey consisted of 1,649.4 line-km (plus tie-lines) covering a 147.2 km^2 area. The survey grid was oriented along flight lines with azimuth 004 degrees, perpendicular to the strike of the hostrock strata in the deposit area (Figure 4.1).

5.0 2011 Exploration Drilling Program

5.1 Introduction

A diamond drill program was completed on Kutcho Property between July 2, and August 24, 2011. This program tested nine airborne electromagnetic anomalies detected by a VTEM geophysical survey completed in April, 2011.

5.2 Description of Exploration Drilling Program

Computer-based geophysical target analysis called Maxwell Modeling was completed over every high-priority VTEM geophysical target. Maxwell is a proprietary software package created by EMIT Electromagnetic Imaging Technology; more information on this processing is available at: http://www.electromag.com.au/maxwell.php.

Out of 19 higher-priority geophysical anomalies, ten targets were recommended for immediate drill follow-up (Table 5.2), and nine of these were drill-tested in 2011. One diamond drillhole was planned at each geophysical target, with an option to add additional drillholes depending on the results attained in the initial drillhole. In total, 19 drillholes, including two abandoned short holes, totalling 4,227 metres, were completed on nine geophysical targets.

Drillhole locations are shown in Figure 5.1, and summarized in Tables 5.1 and 5.2. The drillhole locations, depths and orientations were all designed based on the results of the Maxwell Modelling program. Strata throughout the Kutcho Property dips between -45°N to -60°N and averages -50°N. Most drillholes were planned with a dip of -50°S.

5.3 Drilling Program Results

Drilling results are summarized in Table 5.3. Individual Maxwell Models for each VTEM target, geological cross-sections for each drillhole, core logs and assay results are included as appendices.

5.4 Drilling Program Interpretation

The 2011 drilling program confirms that the VTEM geophysical system detected extensive polymetallic massive sulphides in an area beyond the southeast edge of the Sumac deposit (VTEM Target B). Six holes were completed at Target B; four of these intersected polymetallic massive sulphides. Although the sulphide lens at Target B is not completely drilled off, the decision was made to send the drill to continue testing the other high-priority VTEM targets. The airborne geophysical survey also detected uneconomic stratabound pyrite at VTEM Targets C and O. The remaining 6 high-priority VTEM targets (A, D, E, M, R, S) were all shown to be caused by heavy concentrations of graphite in recrystallized carbonaceous black mudstones.

5.5 Drilling Program Conclusions and Recommendations

All geophysical targets drill-tested this year are new targets not previously delineated by earlier airborne or ground geophysical surveys. Nine VTEM targets were drill-tested in the 2011 exploration drill program. Specific conclusions following from this exploration program are:

- The VTEM survey successfully located one polymetallic massive sulphide lens plus two other horizons of stratabound disseminated exhalative pyrite in felsic volcanic rocks.
- The VTEM survey also detected strong anomalous responses over graphitic black mudstone units. The EM anomalies generated by the sulphides and the carbonaceous mudstones are sufficiently similar that it is not possible to discriminate between sulphide-generated and graphite generated anomalies based on their geophysical responses alone.
- Drill programs testing EM anomalies on this property must be sufficiently well funded that there is capacity to test numerous geophysical targets, and must anticipate that only one target in three may be generated by bedrock sulphides.
- The Sumac massive sulphide deposit extends further south, further east and further up-dip than previously recognized during 38 years of exploration work on the deposit.
- In addition to the expected strong EM response over Main deposit, the VTEM system has been able to detect anomalous responses over the east end of Sumac deposit and along the up-dip edge of the Esso stratigraphic horizon. Respectively, these represent significantly deeper levels of penetration and higher levels of sensitivity than previous airborne EM systems used on this property.
- Graphitic mudstone horizons are common close to pyritic tuff horizons. These mudstone units may host significant exhalative (syngenetic) sulphides.

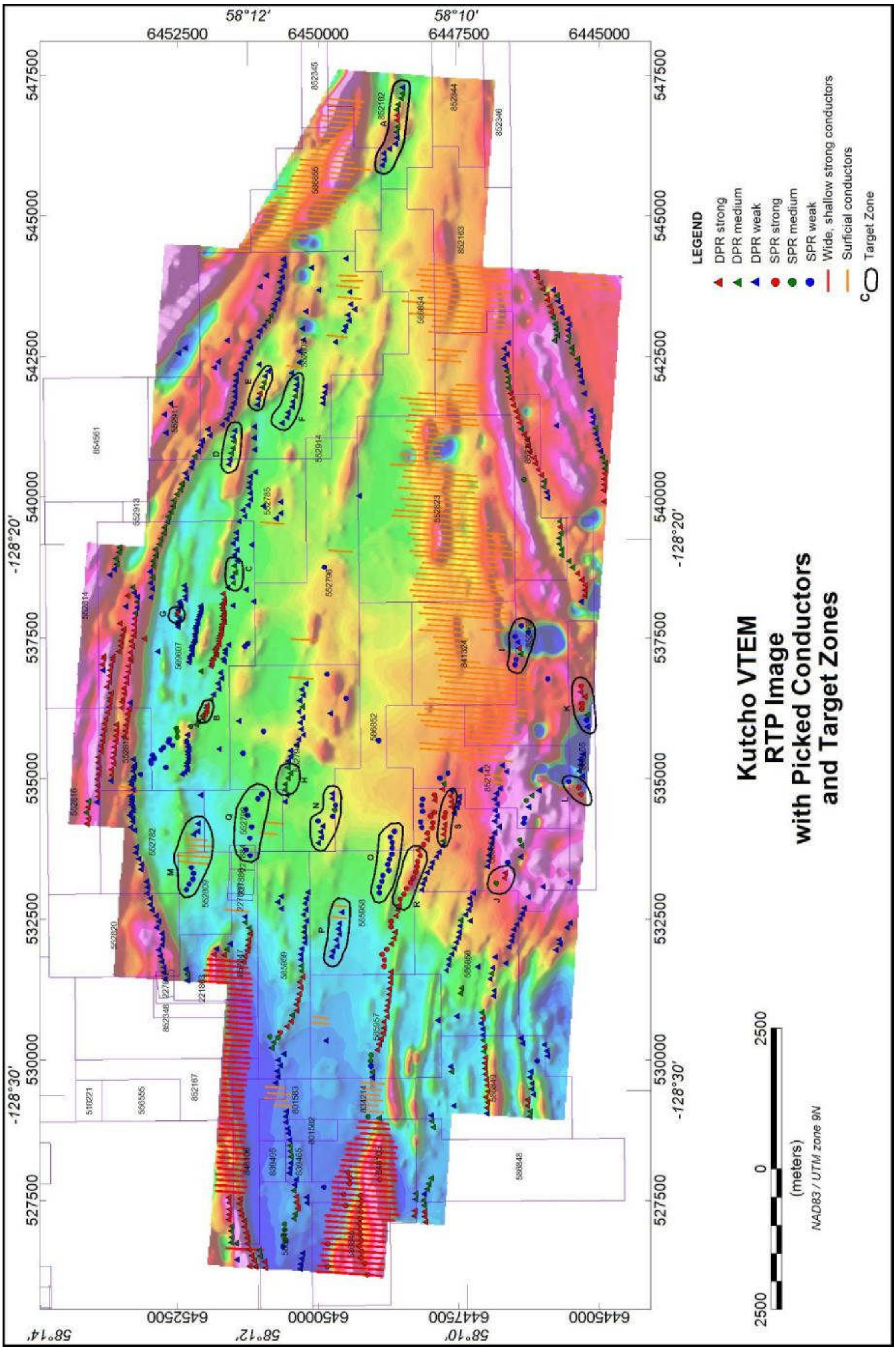


Figure 5.1 VTEM conductors and prioritized targets on aeromagnetic base map

TZ	Priority	Strike length	Conductors	General dip	Mag_correlation	Geology	Comments
A	1	1 500 m.	Strong-weak DPR.	45 degrees N.	Partial correlation with magnetic grain.	Rhyolite tuff	Near east end of survey. Possibly tested by drill hole E030,but conductor is stronger 350 m to W.
B	1	300 m.	Strong DPR.	45 degrees N.	Aligned with general E-W mag grain.	Rhyolite tuff.	Strong conductors on the eastern side of the Sumac deposit, which have not been drill tested. The strong conductivity suggests higher Cu grades.
C	2	500 m.	Medium-weak DPR.	45 degrees N.	Located in magnetically flat area, but parallel to magnetic grain	Rhyolite tuff.	Located adjacent to E end of Main deposit. Displaced SE, so may be footwall mineralization. Weak conductor on E end possibly tested by drill hole E013.
D	2	700 m.	Medium - weak DPR.	60 degrees N.	In area of flat magnetics, 200 m north of linear mag high.	Basalt tuffs and flows, near contact of gabbro sill.	Possibly same stratigraphic horizon as Main Zone. East end appears to be cut off by fault. Not drill tested.
E	2	700 m.	Strong - weak SPR	60 degrees N.	In local mag low, between two curvilinear mag highs.	Basalt tuffs and flows, near contact of gabbro sill.	Probably faulted equivalent of TZ D. W end (close to fault) possibly tested by drill hole E063, but conductivity improves to the east.
F	3	900 m.	Mostly weak DPR, one medium DPR.	45 degrees N.	Strongest portion of conductor correlates with small magnetic high.	Rhyolite tuff.	E end may be truncated by fault. Possibly tested by drill holes E017 (near best conductor and mag high) and by 90K22 (far W end with weak conductor).
G	3	200 m.	One strong and one medium DPR in trend of weak DPR.	45 degrees N.	Northern flank of weak magnetic high, oriented E-W.	Basalt tuffs and flows.	Locally better conductor within mostly weak hanging wall conductor. Probably tested by drill hole E011.
H	2	500 m.	Medium DPR.	Steep N.	Correlates with weak mag high.	Rhyolite tuffs.	More conductive portion of 2 200 m long conductor. Possibly tested by drill hole 90K01.
I	3	800 m.	Strong-weak DPR and weak SPR.	Steep N.	Transects eminently magnetized probable intrusive. May be shallower than intrusive.	Basalt tuffs and flows.	Unusual conductor. Not drill tested.
J	3	300 m.	Two strong DPR, one medium SPR.	Steep N.	Cuts across magnetic grain.	Basalt tuffs and flows.	Short strike-length, near edge of interpreted buried intrusive. Not drill tested.
K	3	800 m (possibly truncated to the S).	Mostly strong-medium DPR and SPR.	Steep N.	Close to the edge of a remanently magnetized probable intrusive. May be shallower than intrusive.	Contact between rhyolite tuff and basalt tuffs and flows.	On S edge of VTEM survey. Not drill tested. These strong conductors need to be explained.
L	3	450 m.	Strong-weak SPR.	Steep.	Transects the edge of a remanently magnetized probable intrusive. May be shallower than intrusive.	Contact between rhyolite tuff and basalt tuffs and flows.	Similar to TZ K. Not drill tested. A nearby weak conductor extending into the remanently magnetized intrusive may have been tested by drill hole 90K18.
M	2	1 300 m.	Weak SPR and DPR and surficial.	Probably N, but weak and poorly defined.	Mag low, aligned with mag trends.	Fold axis - conglomerate, basalts tuffs, argillite, gabbro sill, basalt tuffs and flows and rhyolite tuff.	Possible plunge to W. Eastern part appears surficial. This part possibly tested by drill hole WKC01.

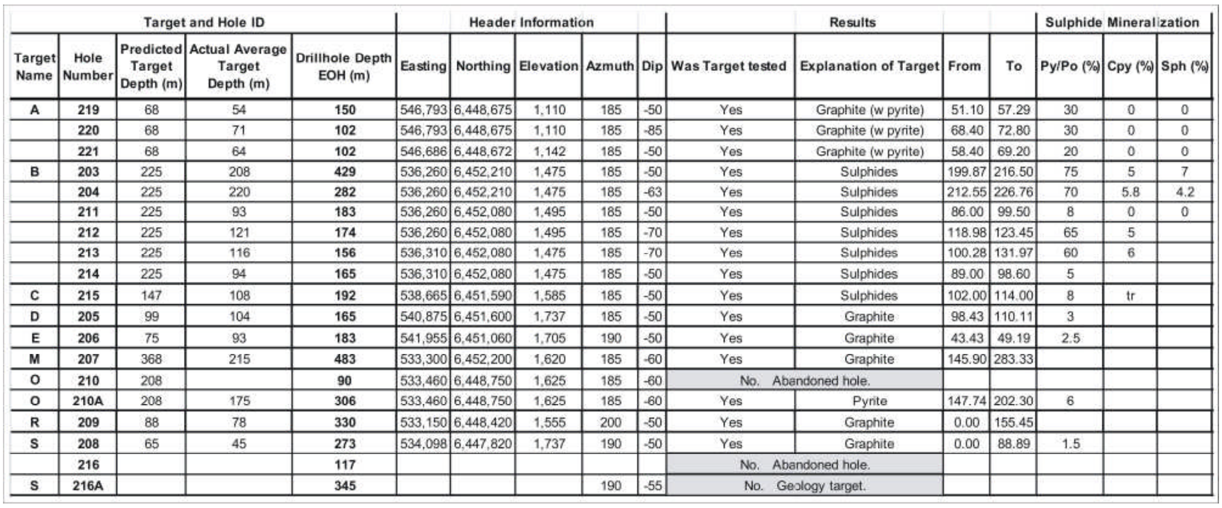
Table 5.1 (Part 1 of 2): Listing of Prioritized VTEM Targets for Kutcho Area

TZ	Priority	Strike length	Conductors	General dip	Mag_correlation	Geology	Comments
N	2	900 m.	One medium SPR, nine weak DPR/SPR	Mostly steep N	Loose correlation with weak mag high.	Crosses contact between rhyolite tuff and basalt tuffs and flows, intruded by tonalite.	W part has different characteristics than E part. Strongest conductor on Line 1820. Not drill tested.
O	3	1 200 m.	Weak SPR.	Too weak to decipher.	Correlates with weak mag trend.	Limestone, near contact with rhyolite tuff.	Weak, but continuous conductor. Possibly tested at E end by drill hole E059.
P	3	1 000 m.	Weak DPR and surficial.	Flat-dip to N.	Mag low, but aligned with mag trends.	Rhyolite tuff, near contact with basalt tuffs and flows.	Weak conductor. Not drill tested.
Q	3	1 200 m.	Weak SPR	Too weak to decipher.	No obvious correlation.	Rhyolite tuff at east end, conglomerate at west end.	Very weak, possibly deeper conductors. Not drill tested.
R	1	1 100 m.	Strong SPR and DPR.	Flat-dip to N.	Central part directly correlates with local mag high.	Limestone and argillite with pyritic rhyolite tuff nearby.	Very conductive section of long strike-length conductor. Characteristics similar to Main lens. Not drill tested.
S	1	1 000 m.	Strong DPR and SPR.	Steep N.	Loose correlation with weak mag high.	Limestone and argillite with pyritic rhyolite tuff nearby.	Possibly folded equivalent of TZ R. Characteristics similar to Main lens. Not drilled tested..

Table 5.1 (Part 2 of 2): List of Prioritized VTEM Targets for Kutcho Area

TZ	Hole Name	Flight line	X	Y	Z	Dip	Az	Length (m)	Expected down-hole depth to conductor (m)
A	TZA_1	3060	546790	6448670	1105	50	185	100	68
B	TZB_1	1985	536260	6452210	1475	50	185	300	225
C	TZC-1	2230	538665	6451590	1585	50	185	200	147
D	TZD_1	2450	540875	6451600	1737	50	185	140	99
E	TZE_1	2560	541955	6451060	1705	50	190	110	75
M	TZM_1	1690	533300	6452200	1620	60	185	450	370
O	TZO_1	1730	533460	6448750	1625	60	185	300	208
P	TZP_1	1600	532235	6449770	1642	50	185	200	137
R	TZR_1	1700	533150	6448420	1555	50	200	175	88
S	TZS_1	1800	534098	6447820	1737	50	190	100	65

Table 5.2: Proposed Drillholes (TZ = Target Zone)



Target and Hole ID					Header Information					Results				Sulphide Mineralization		
Target Name	Hole Number	Predicted Target Depth (m)	Actual Average Target Depth (m)	Drillhole Depth EOH (m)	Easting	Northing	Elevation	Azmuth	Dip	Was Target tested	Explanation of Target	From	To	Py/Po (%)	Cpy (%)	Sph (%)
A	**219**	68	54	**150**	546,793	6,448,675	1,110	185	-50	Yes	Graphite (w pyrite)	51.10	57.29	30	0	0
	220	68	71	**102**	546,793	6,448,675	1,110	185	-85	Yes	Graphite (w pyrite)	68.40	72.80	30	0	0
	221	68	64	**102**	546,686	6,448,672	1,142	185	-50	Yes	Graphite (w pyrite)	58.40	69.20	20	0	0
B	**203**	225	208	**429**	536,260	6,452,210	1,475	185	-50	Yes	Sulphides	199.87	216.50	75	5	7
	204	225	220	**282**	536,260	6,452,210	1,475	185	-63	Yes	Sulphides	212.55	226.76	70	5.8	4.2
	211	225	93	**183**	536,260	6,452,080	1,495	185	-50	Yes	Sulphides	86.00	99.50	8	0	0
	212	225	121	**174**	536,260	6,452,080	1,495	185	-70	Yes	Sulphides	118.98	123.45	65	5	
	213	225	116	**156**	536,310	6,452,080	1,475	185	-70	Yes	Sulphides	100.28	131.97	60	6	
	214	225	94	**165**	536,310	6,452,080	1,475	185	-50	Yes	Sulphides	89.00	98.60	5		
C	**215**	147	108	**192**	538,665	6,451,590	1,585	185	-50	Yes	Sulphides	102.00	114.00	8	tr	
D	**205**	99	104	**165**	540,875	6,451,600	1,737	185	-50	Yes	Graphite	98.43	110.11	3		
E	**206**	75	93	**183**	541,955	6,451,060	1,705	190	-50	Yes	Graphite	43.43	49.19	2.5		
M	**207**	368	215	**483**	533,300	6,452,200	1,620	185	-60	Yes	Graphite	145.90	283.33			
O	**210**	208		**90**	533,460	6,448,750	1,625	185	-60	No. Abandoned hole.						
O	**210A**	208	175	**306**	533,460	6,448,750	1,625	185	-60	Yes	Pyrite	147.74	202.30	6		
R	**209**	88	78	**330**	533,150	6,448,420	1,555	200	-50	Yes	Graphite	0.00	155.45			
S	**208**	65	45	**273**	534,098	6,447,820	1,737	190	-50	Yes	Graphite	0.00	88.89	1.5		
	216			**117**						No. Abandoned hole.						
S	**216A**			**345**				190	-55	No. Geology target.						

Table 5.3 Completed Drillholes and Results

8.0 References

Alldrick, D.J. (2009): Remodeling the Kutcho Creek VMS deposits; Lecture presented at 2009 Mineral Exploration Roundup, PDF file at http://www.amebc.ca/docs/tues

Alldrick, D.J., Willett, B.J. and Wilson, R.W. (2009a): Geological Assessment Report on the Mother 1, Mother 2, Mother 3 claims, Kutcho Project, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report, 77 pages.

Alldrick, D.J., Willett, B.J. and Wilson, R.W. (2009b): Geological Assessment Report on the South Fork 1, South Fork 2, South Fork 3, South Fork 4, Trondhjemite 1, Trondhjemite 2, Trondhjemite 3 claims, Kutcho Project, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report, 167 pages.

Alldrick, D.J. and McLennan, V.G. (2009c): Geological Assessment Report on the Kutcho Property, north central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report, 41 pages.

Alldrick, D.J. and McLennan, V.G. (2010a): Geochemical Assessment Report on the Kutcho Property, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report, 172 pages.

Alldrick, D.J., McLennan, V.G. and Wilson, R.W. (2010b): Geological Technical Report on the Kutcho Property, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Technical Report, 2,083 pages.

Alldrick, D.J. (2011): Geophysical Assessment Report on the 2011 Airborne VTEM survey on the Kutcho Property, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report, 556 pages.

Alldrick, D.J. and Willett, B.J. (2012a): Technical Report on the 2010 Diamond Drilling Program at Esso Deposit, Kutcho Property, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Technical Report.

Alldrick, D.J. and Willett, B.J. (2012b): Assessment Report on the 2011 Diamond Drilling Program at Kutcho Property, north-central British Columbia; B.C. Ministry of Energy Mines and Petroleum Resources, Technical Report, 997 pages.

Bridge, D. (1983) 1982 Progress Report on the Kutcho Creek Property, unpublished report for Esso Minerals Canada Limited

Bridge, D. (1984): 1983 Progress Report on the Kutcho Creek Property, unpublished report for Esso Minerals Canada Limited

Didur, B. (1979): Kutcho Creek Ore Reserves; unpublished report prepared for Esso Minerals Canada Limited

Gabrielse, H. (1978): Geology of NTS Map Sheet 104I (Cry Lake); Geological Survey of Canada, Open File 610

Galley, A.G., Hannington, M.D. and Jonasson, I.R. (2007): Volcanogenic Massive Sulphide Deposits; in Mineral Deposits of Canada, Goodfellow, W.D. (editor); GAC-MDD Special Publication No. 5, p. 141-161.

Holbek, P.M, and Wilson, R.G. (2005): Diamond Drilling Assessment Report on the Kutcho Creek Project: North Central British Columbia

Pearson, D.E., and Panteleyev, A. (1975): Cupiferous Iron Sulphide Deposits, Kutcho Creek Map Area (104I/1W); Geological Fieldwork 1974, British Columbia Ministry of Mines and Petroleum Resources, p.86-93

Thorstad, L.E. (1983): The Upper Triassic Kutcho Formation, Cassiar Mountains, North Central British Columbia; unpublished M.Sc. thesis, The University of British Columbia

Thorstad, L.E, and Gabrielse, H. (1986): Upper Triassic Kutcho Formation, Cassiar Mountains, north-central British Columbia; Geological Survey of Canada, Paper 86-16, 53p

APPENDIX I

LIST OF CLAIMS

FOR

KUTCHO PROPERTY

Tenure Number	**Claim Name**	**Owner**	**Tenure Type**	**Tenure Subtype**	**Map No.**	**Area (ha)**
552782		218234	Mineral	Claim	104I	306.9
552785		218234	Mineral	Claim	104I	409.3
552792		218234	Mineral	Claim	104I	153.5
552794		218234	Mineral	Claim	104I	597.1
552796		218234	Mineral	Claim	104I	494.8
552805		218234	Mineral	Claim	104I	1,074.7
552809		218234	Mineral	Claim	104I	136.4
552812		218234	Mineral	Claim	104I	136.4
552814		218234	Mineral	Claim	104I	357.9
552816		218234	Mineral	Claim	104I	306.8
552820		218234	Mineral	Claim	104I	340.9
552823		218234	Mineral	Claim	104I	921.8
552911	PASS1	218234	Mineral	Claim	104I	136.4
552913	ADD1	218234	Mineral	Claim	104I	17.0
552914	ADD2	218234	Mineral	Claim	104I	17.1
556552	ADD3	218234	Mineral	Claim	104I	374.9
556555	ADD4	218234	Mineral	Claim	104I	102.3
569607		218234	Mineral	Lease	104I	1,090.0
585957	MOTHER 1	218234	Mineral	Claim	104I	426.6
585958	MOTHER 2	218234	Mineral	Claim	104I	409.6
585959	MOTHER 3	218234	Mineral	Claim	104I	375.3
586844	ACCENT 1	218234	Mineral	Claim	104I	426.5
586846	ACCENT 2	218234	Mineral	Claim	104I	273.0
586848	SOUTH FORK 1	218234	Mineral	Claim	104I	426.9
586849	SOUTH FORK 2	218234	Mineral	Claim	104I	426.9
586850	SOUTH FORK 3	218234	Mineral	Claim	104I	426.8
586851	SOUTH FORK 4	218234	Mineral	Claim	104I	426.9
586852	TRONDHJEMITE 1	218234	Mineral	Claim	104I	426.7
586854	TRONDHJEMITE 2	218234	Mineral	Claim	104I	426.7
586855	TRONDHJEMITE 3	218234	Mineral	Claim	104I	426.6
848105	ACCENT 3	218234	Mineral	Claim	104I	238.9
848106	ACCENT 4	218234	Mineral	Claim	104I	153.5
852142	PYRAMID PEAK	218234	Mineral	Claim	104I	426.9
852162	TUCHO 1	218234	Mineral	Claim	104I	426.7
852163	TUCHO 2	218234	Mineral	Claim	104I	426.8
852164	TUCHO 3	218234	Mineral	Claim	104I	426.9
852165	THE SPHINX	218234	Mineral	Claim	104I	427.0
852166	NILE RIVER	218234	Mineral	Claim	104I	222.1
852167	SOUTH ROAD	218234	Mineral	Claim	104I	187.6
852344	FAR EAST 1	218234	Mineral	Claim	104I	426.8
852345	FAR EAST 3	218234	Mineral	Claim	104I	85.3
852346	FAR EAST 2	218234	Mineral	Claim	104I	426.9
852347	CAMPVIEW 1	218234	Mineral	Claim	104I	307.0
852348	CAMPVIEW 2	218234	Mineral	Claim	104I	341.0
854561	KUTCHO FAULT	218234	Mineral	Claim	104I	409.1
858667	ACCENT 5	218234	Mineral	Claim	104I	153.6
861767	ACCENT 6	218234	Mineral	Claim	104I	102.4

Table I-1. Claims held by Kutcho Copper Corporation on November 30, 2011

APPENDIX II

KUTCHO PROPERTY RESOURCE TABLE

Table II-1 Main Deposit Resource Summary

Main Deposit - Mineral Resource Estimate at a 1.5% Copper Cut-Off (1)									
Class	**Tonnes 000's**	**Grade**				**Contained Metal**			
		Copper (%)	**Zinc (%)**	**Gold (g/t)**	**Silver (g/t)**	**Copper (M lb)**	**Zinc (M lb)**	**Gold (Koz)**	**Silver (Koz)**
Measured (M)	5,421	2.15	2.86	0.34	31.4	256.6	341.8	59	5,482
Indicated (I)	4,043	2.04	2.54	0.35	31.2	181.4	226	45	4,049
M & I	**9,464**	**2.1**	**2.72**	**0.34**	**31.3**	**438**	**567.8**	**104**	**9,531**
Inferred	464	1.84	2.83	0.43	31.6	18.8	29	6	471

Table II-2 Esso Deposit Resource Summary

Esso Deposit - Mineral Resource Estimate at a 1.5% Copper Cut-Off (1)									
Class	**Tonnes 000's**	**Grade**				**Contained Metal**			
		Copper (%)	**Zinc (%)**	**Gold (g/t)**	**Silver (g/t)**	**Copper (M lb)**	**Zinc (Mlb)**	**Gold (Koz)**	**Silver (Koz)**
Measured (M)	-	-	-	-	-	-	-	-	-
Indicated (I)	1,816	2.69	6.18	0.66	64.8	107.8	247.5	39	3,782
M & I	**1,816**	**2.69**	**6.18**	**0.66**	**64.8**	**107.8**	**247.5**	**39**	**3,782**
Inferred	-	-	-	-	-	-	-	-	-

Table 1I-3 Sumac Deposit Resource Summary

Sumac Deposit - NI43-101 Mineral Resource Estimate at a 1.5% Copper Cut-Off (1)									
Class	**Tonnes (000's)**	**Grade**				**Contained Metal**			
		Copper (%)	**Zinc (%)**	**Gold (g/t)**	**Silver (g/t)**	**Copper (M lb)**	**Zinc (Mlb)**	**Gold (Koz)**	**Silver (Koz)**
Measured (M)	-	-	-	-	-	-	-	-	-
Indicated (I)	-	-	-	-	-	-	-	-	-
M & I	-	-	-	-	-	-	-	-	-
Inferred	626	1.67	1.46	0.29	30.1	23.1	20.1	6	606

Table 1I-4 Kutcho Property Resource Summary

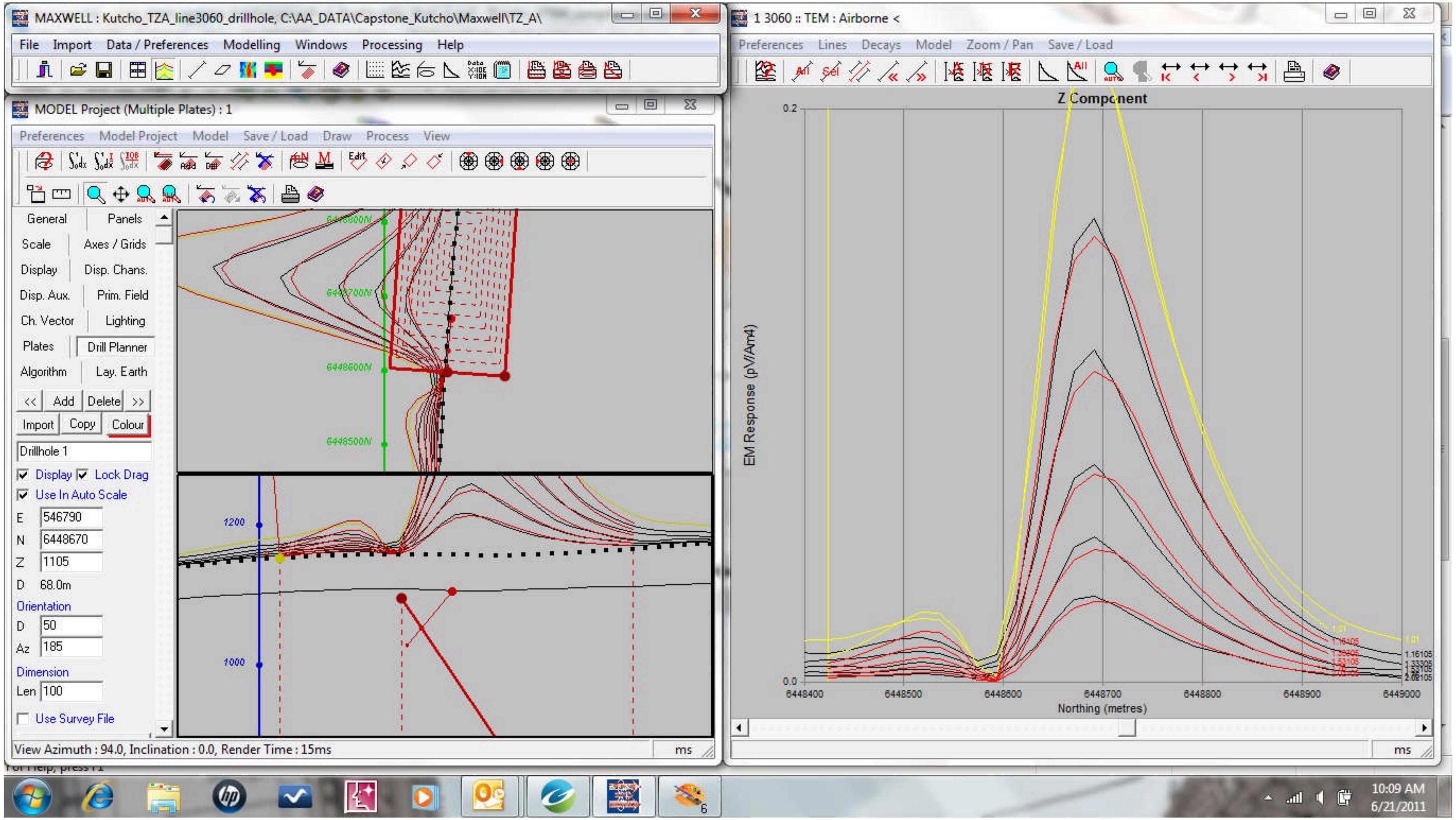
Kutcho Project - Mineral Resource Estimate at a 1.5% Copper Cut-Off for All Deposits (1)									
Class	**Tonnes (000's)**	**Grade**				**Contained Metal**			
		Copper (%)	**Zinc (%)**	**Gold (g/t)**	**Silver (g/t)**	**Copper (M lb)**	**Zinc (Mlb)**	**Gold (Koz)**	**Silver (Koz)**
Measured (M)	5,421	2.15	2.86	0.34	31.4	256.6	341.8	59	5,482
Indicated (I)	5,859	2.24	3.67	0.45	41.6	289.2	473.5	84	7,831
M & I	**11,280**	**2.19**	**3.28**	**0.39**	**36.7**	**545.8**	**815.3**	**143**	**13,313**
Inferred	1,090	1.74	2.04	0.35	30.7	41.9	49.1	12	1,077

(1) Numbers may not total due to rounding

Source: Capstone Mining Corp., Press Release 09-04, February 9, 2009: "Capstone Announces Robust Mineral Resource Update for High Grade Kutcho Copper Project". The technical information in this news release has been prepared in accordance with Canadian regulatory requirements set out in National Instrument 43-101 and reviewed by Stephen P. Quin, P. Geo., President & COO for Capstone Mining Corporation and Mr. Garth Kirkham, P.Geo. of Kirkham Geosystems Ltd., the Independent Qualified Person under National Instrument 43-101 responsible for the resource estimate.

APPENDIX III

KUTCHO 2011 MAXWELL MODELS FOR VTEM ANOMALIES AND DRILL TARGETS



MAXWELL : Kutcho_TZA_line3060_drillhole, C:\AA_DATA\Capstone_Kutcho\Maxwell\TZ_A\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 546790

N 6448670

Z 1105

D 68.0m

Orientation

D 50

Az 185

Dimension

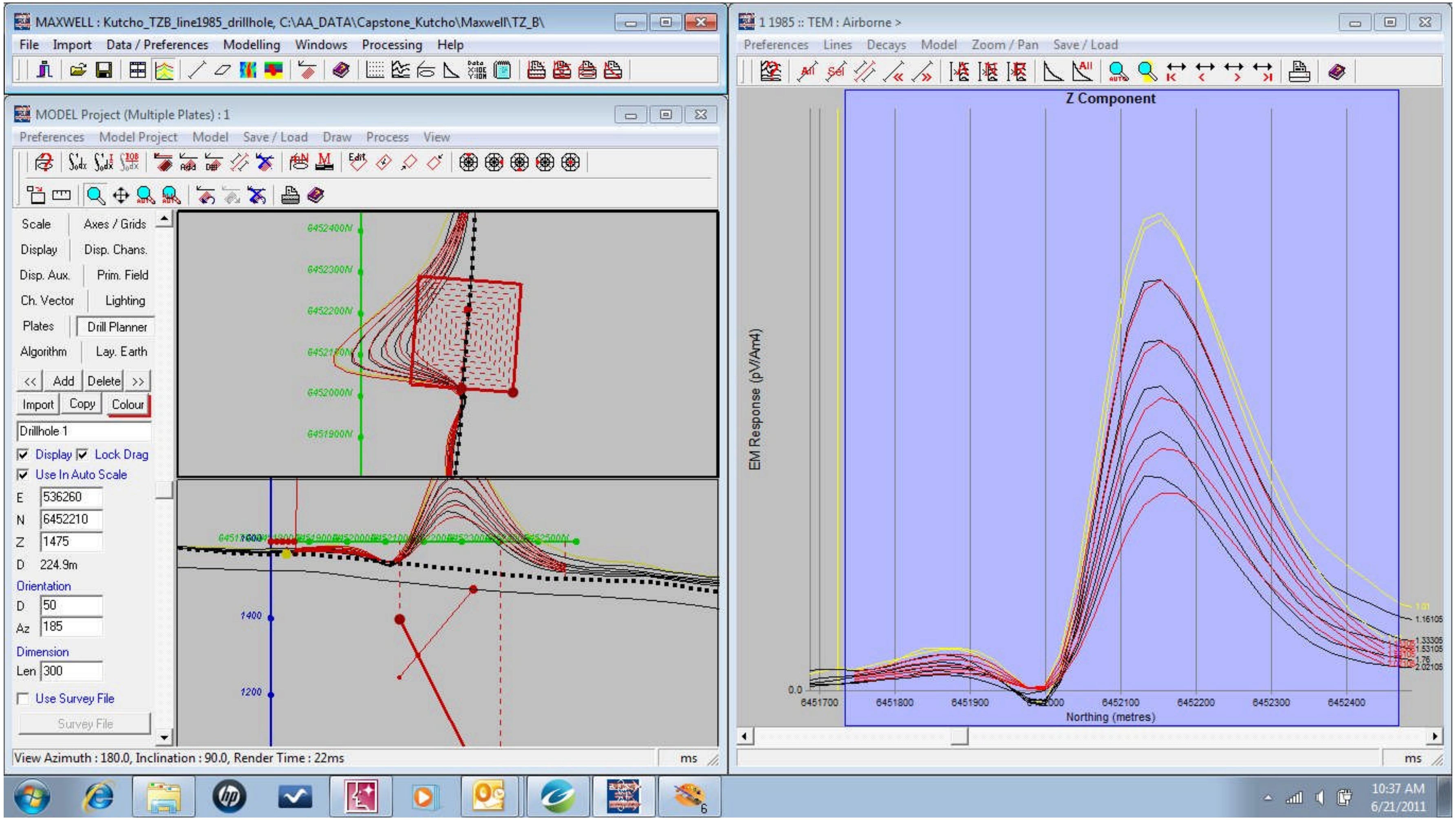
Len 100

☐ Use Survey File

View Azimuth : 94.0, Inclination : 0.0, Render Time : 15ms

1 3060 :: TEM : Airborne <

Figure III-1. Maxwell Model for VTEM Target A. Flight Line 3060



Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 536260

N 6452210

Z 1475

D 224.9m

Orientation

D 50

Az 185

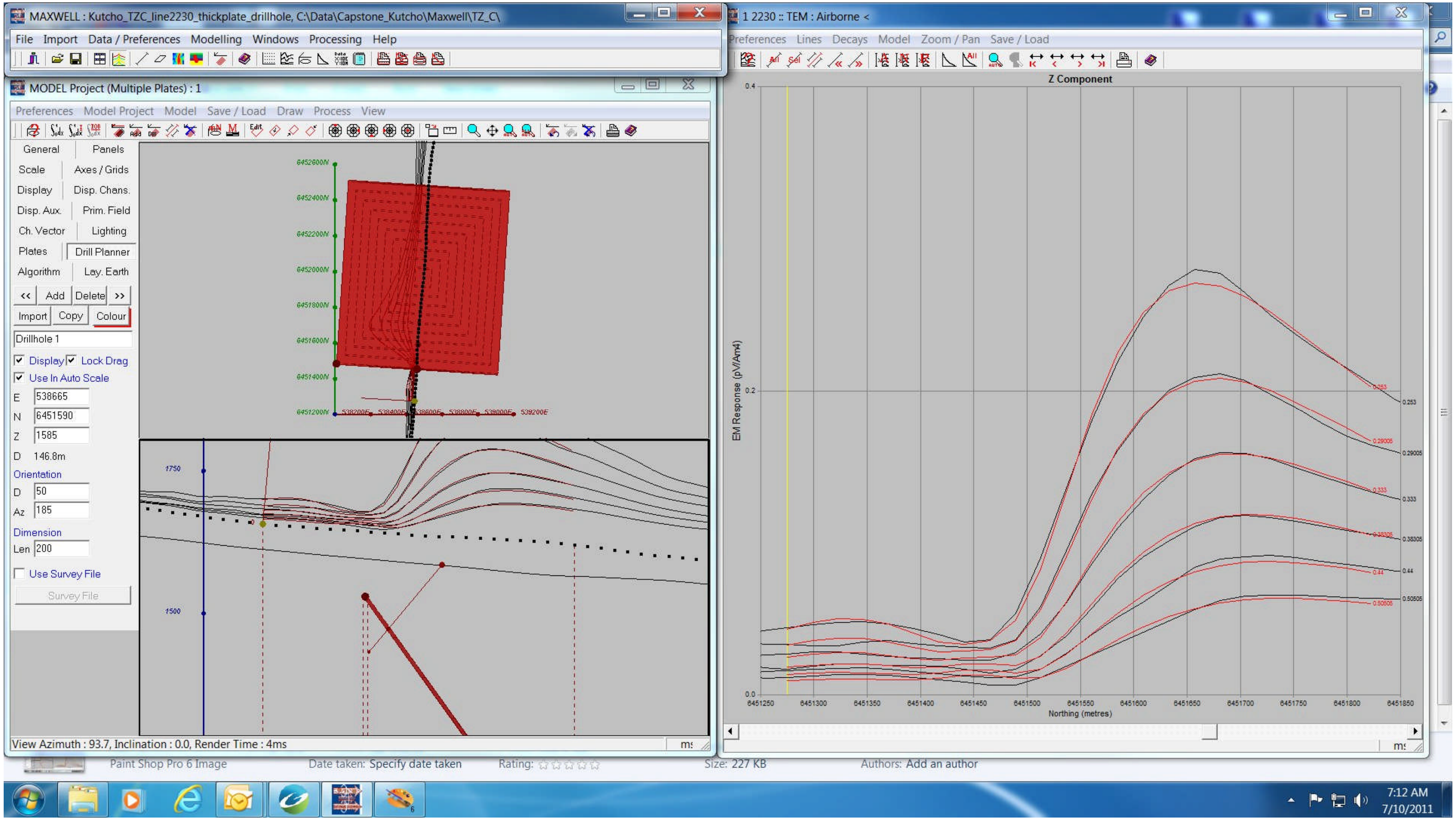
Dimension

Len 300

☐ Use Survey File

View Azimuth : 180.0, Inclination : 90.0, Render Time : 22ms

Figure III-2. Maxwell Model for VTEM Target B. Flight Line 1985



MAXWELL : Kutcho_TZC_line2230_thickplate_drillhole, C:\Data\Capstone_Kutcho\Maxwell\TZ_C\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 538665

N 6451590

Z 1585

D 146.8m

Orientation

D 50

Az 185

Dimension

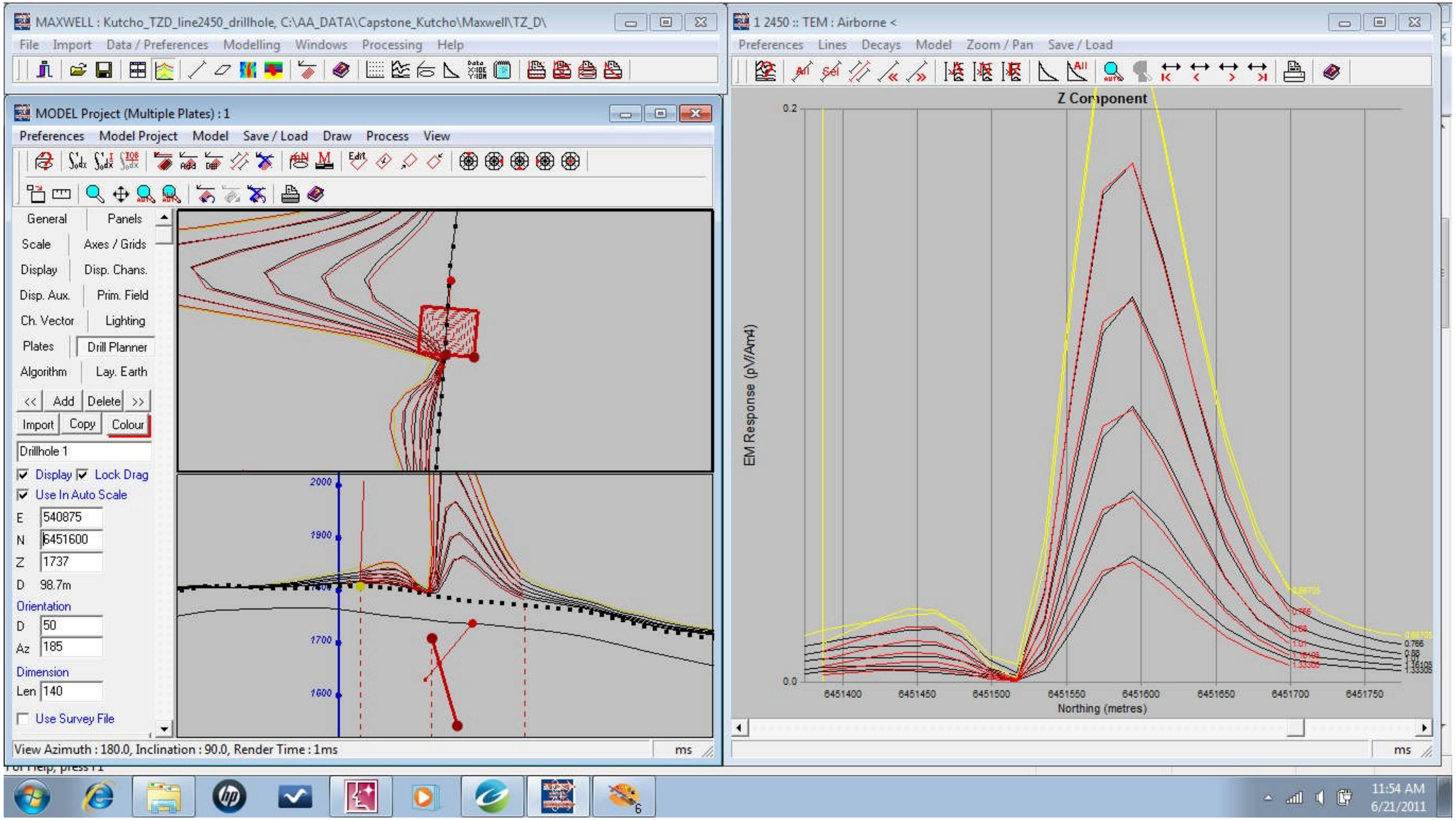
Len 200

☐ Use Survey File

View Azimuth : 93.7, Inclination : 0.0, Render Time : 4ms

1 2230 :: TEM : Airborne <

Figure III-3. Maxwell Model for VTEM Target C. Flight Line 2230


MAXWELL : Kutcho_TZD_line2450_drillhole, C:\AA_DATA\Capstone_Kutcho\Maxwell\TZ_D\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 540875

N 6451600

Z 1737

D 98.7m

Orientation

D 50

Az 185

Dimension

Len 140

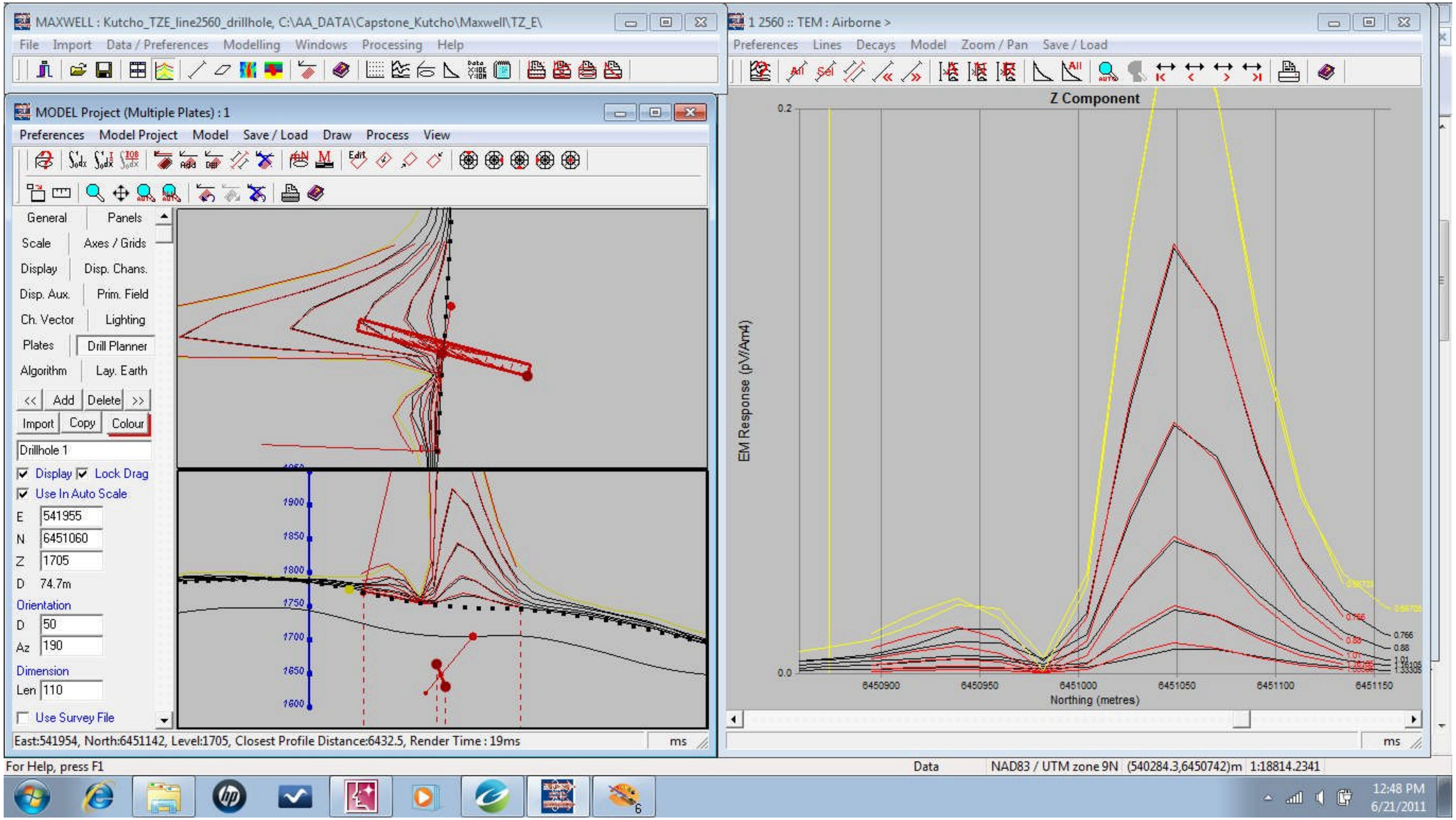
☐ Use Survey File

View Azimuth : 180.0, Inclination : 90.0, Render Time : 1ms

For Help, press F1

1 2450 :: TEM : Airborne <

Figure III-4. Maxwell Model for VTEM Target D. Flight Line 2450



Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 541955

N 6451060

Z 1705

D 74.7m

Orientation

D 50

Az 190

Dimension

Len 110

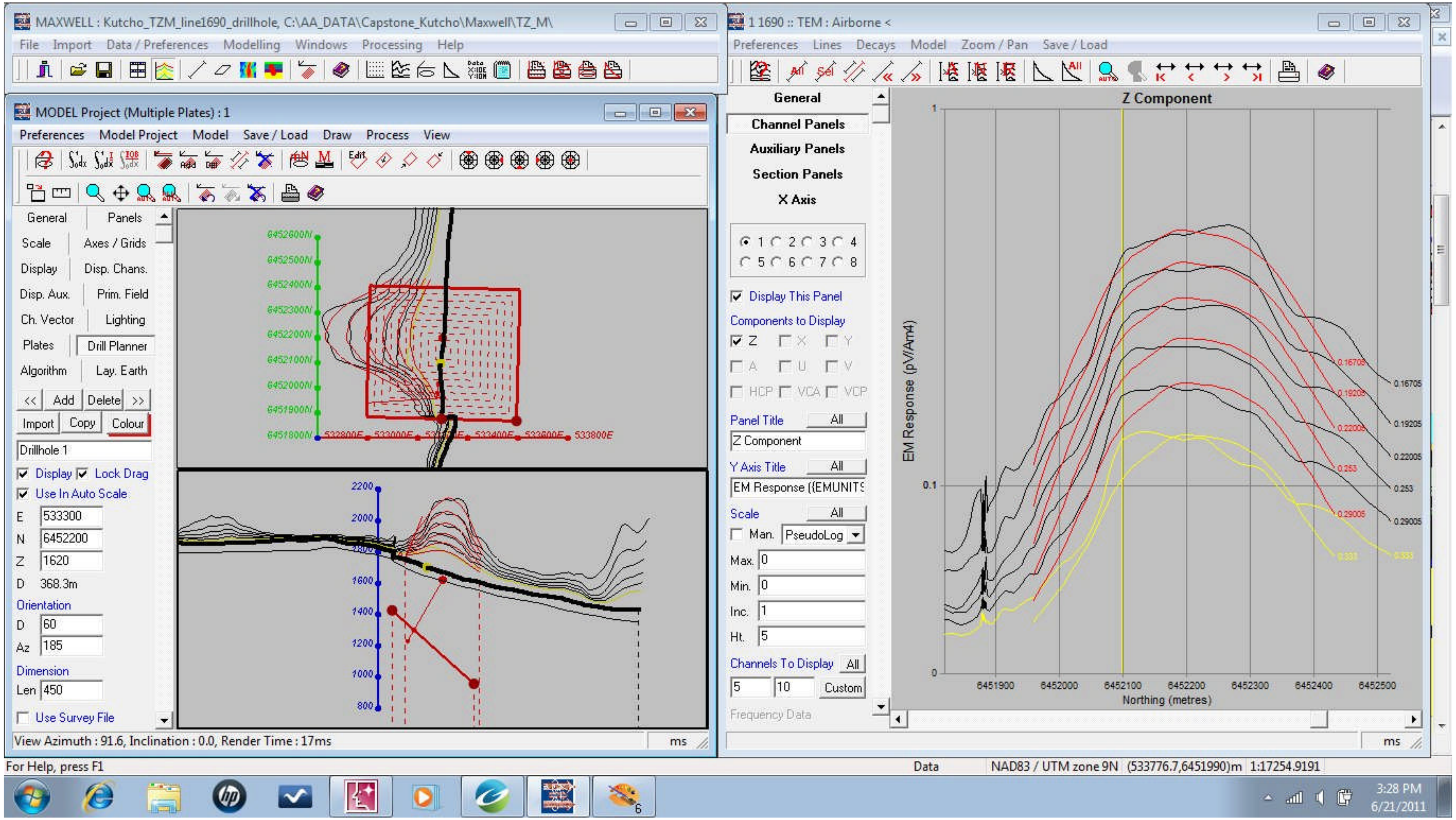
☐ Use Survey File

East:541954, North:6451142, Level:1705, Closest Profile Distance:6432.5, Render Time : 19ms

For Help, press F1

Data NAD83 / UTM zone 9N (540284.3,6450742)m 1:18814.2341

Figure III-5. Maxwell Model for VTEM Target E. Flight Line 2560



Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 533300

N 6452200

Z 1620

D 368.3m

Orientation

D 60

Az 185

Dimension

Len 450

☐ Use Survey File

View Azimuth : 91.6, Inclination : 0.0, Render Time : 17ms

● 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8

☑ Display This Panel

Components to Display

☑ Z ☐ X ☐ Y ☐ A ☐ U ☐ V ☐ HCP ☐ VCA ☐ VCP

Panel Title: Z Component

Y Axis Title: EM Response ({EMUNITS

Scale: ☐ Man. PseudoLog

Max. 0

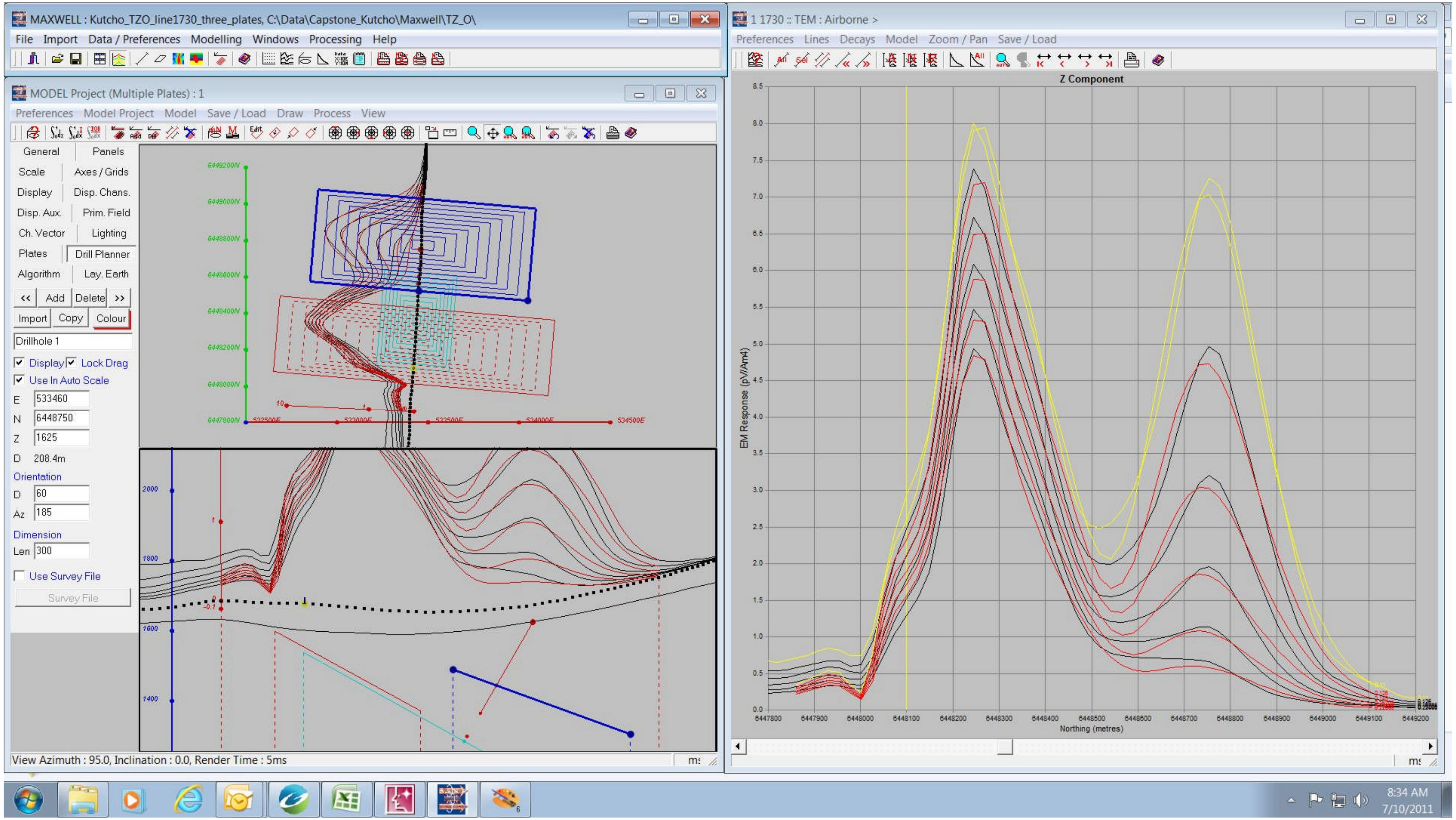
Min. 0

Inc. 1

Ht. 5

Channels To Display: 5 10 Custom

Figure III-6. Maxwell Model for VTEM Target M. Flight Line 1690



MAXWELL : Kutcho_TZO_line1730_three_plates, C:\Data\Capstone_Kutcho\Maxwell\TZ_O\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 533460

N 6448750

Z 1625

D 208.4m

Orientation

D 60

Az 185

Dimension

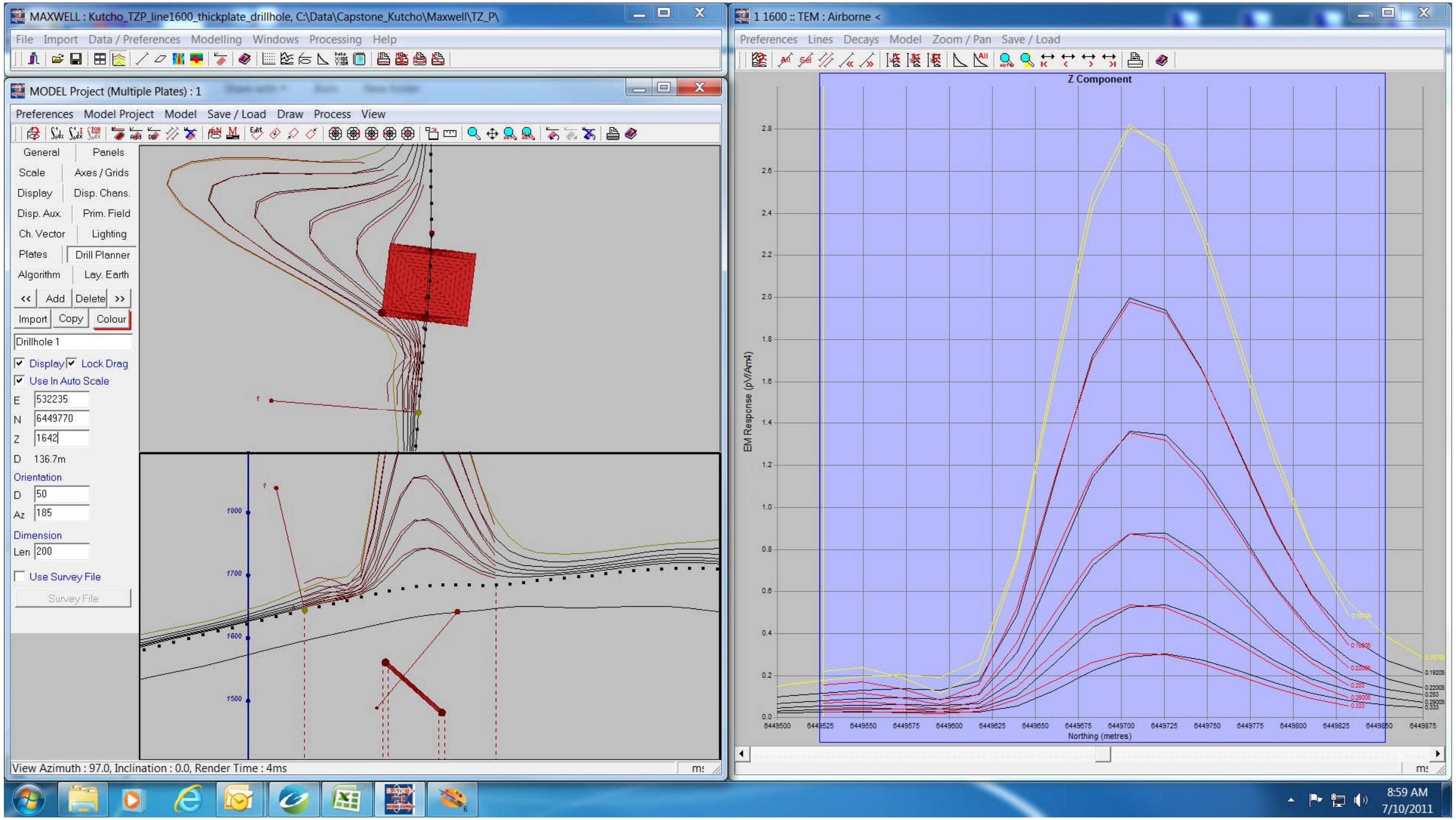
Len 300

☐ Use Survey File

View Azimuth : 95.0, Inclination : 0.0, Render Time : 5ms

1 1730 :: TEM : Airborne >

Figure III-7. Maxwell Model for VTEM Target O. Flight Line 1730



MAXWELL : Kutcho_TZP_line1600_thickplate_drillhole, C:\Data\Capstone_Kutcho\Maxwell\TZ_P\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 532235

N 6449770

Z 1642

D 136.7m

Orientation

D 50

Az 185

Dimension

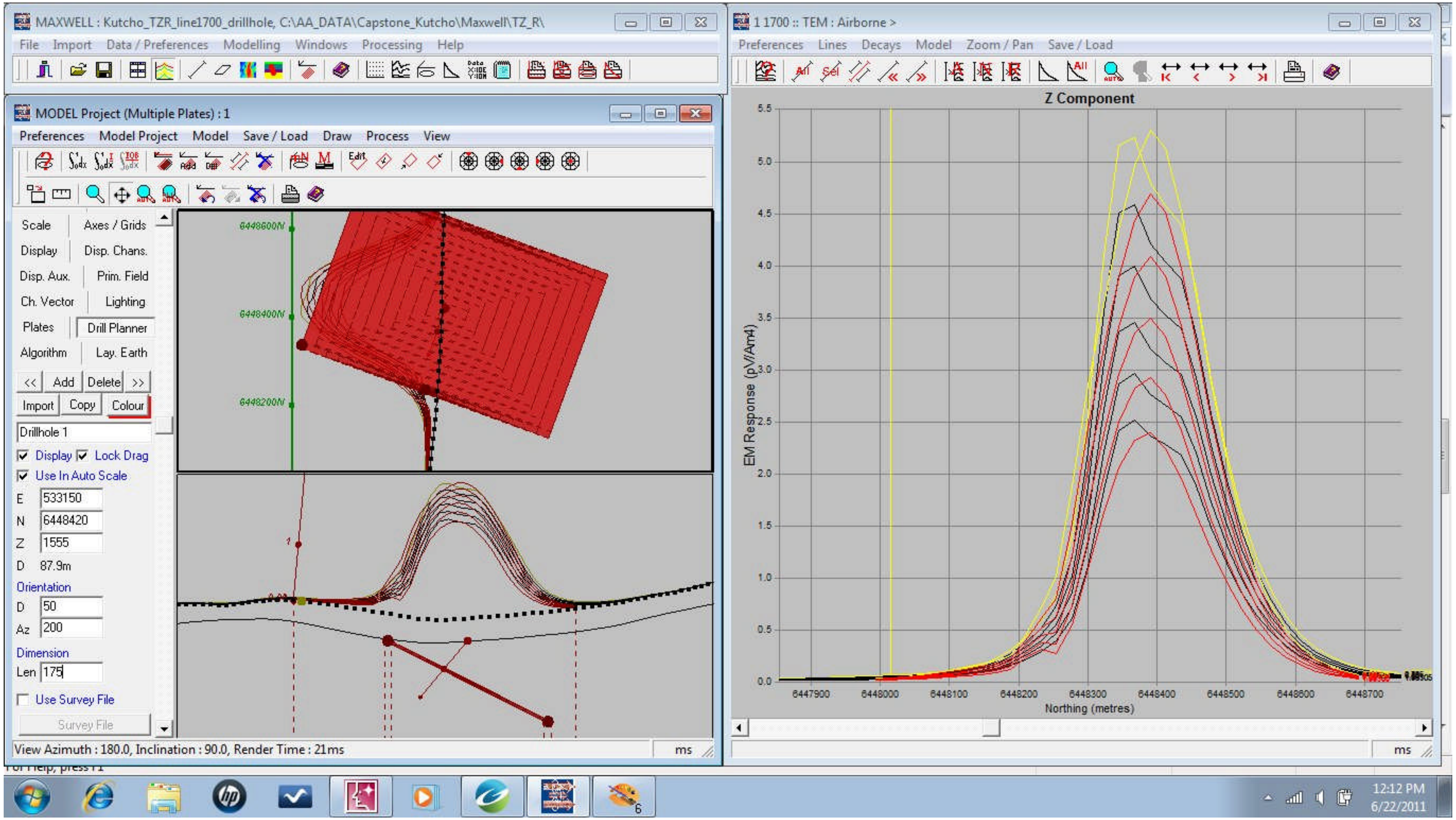
Len 200

☐ Use Survey File

View Azimuth : 97.0, Inclination : 0.0, Render Time : 4ms

1 1600 :: TEM : Airborne <

Figure III-8. Maxwell Model for VTEM Target P. Flight Line 1600



MAXWELL : Kutcho_TZR_line1700_drillhole, C:\AA_DATA\Capstone_Kutcho\Maxwell\TZ_R\

MODEL Project (Multiple Plates) : 1

1 1700 :: TEM : Airborne >

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 533150

N 6448420

Z 1555

D 87.9m

Orientation

D 50

Az 200

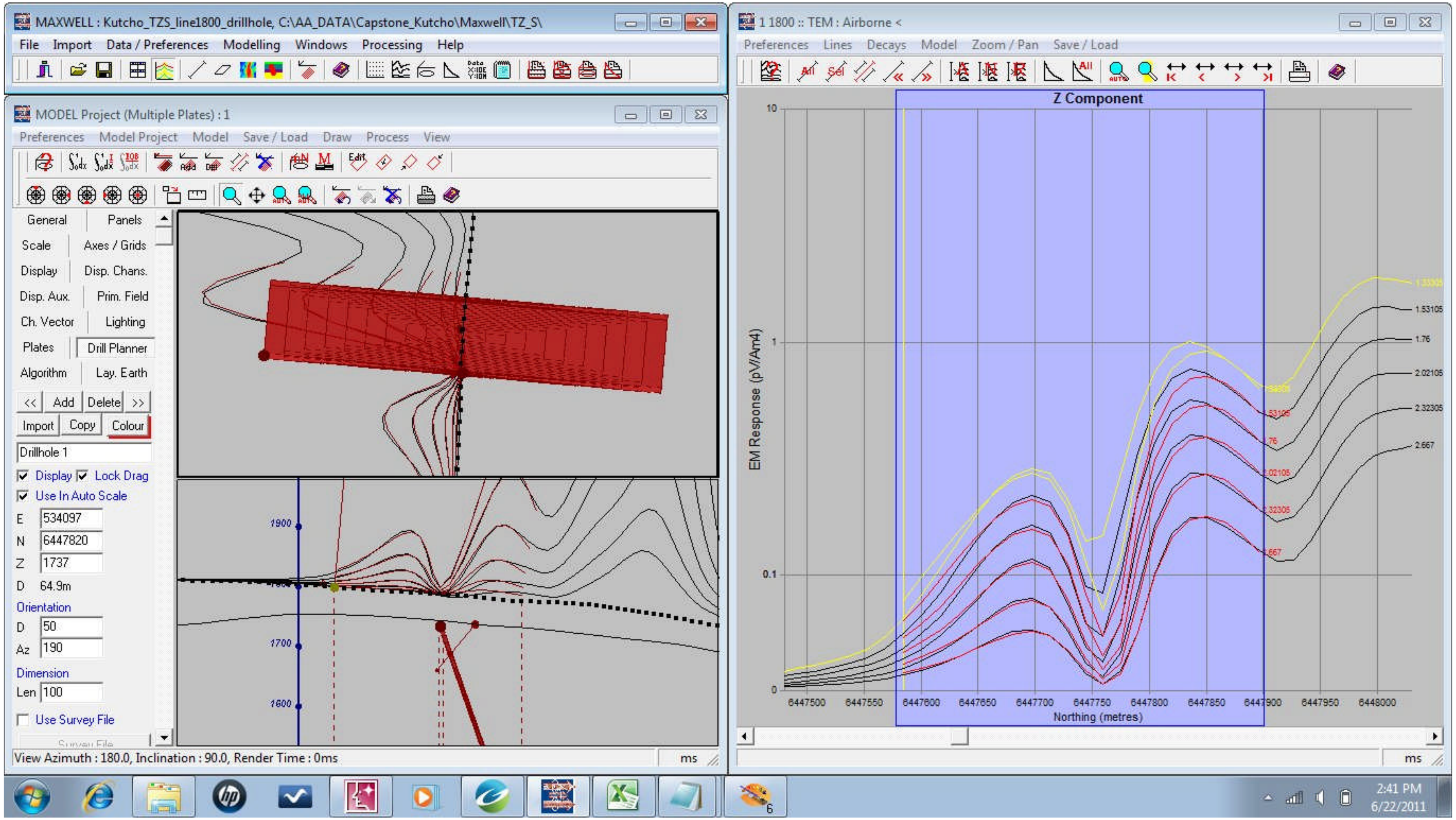
Dimension

Len 175

☐ Use Survey File

View Azimuth : 180.0, Inclination : 90.0, Render Time : 21ms

Figure III-9. Maxwell Model for VTEM Target R. Flight Line 1700



MAXWELL : Kutcho_TZS_line1800_drillhole, C:\AA_DATA\Capstone_Kutcho\Maxwell\TZ_S\

MODEL Project (Multiple Plates) : 1

Drillhole 1

☑ Display ☑ Lock Drag

☑ Use In Auto Scale

E 534097

N 6447820

Z 1737

D 64.9m

Orientation

D 50

Az 190

Dimension

Len 100

☐ Use Survey File

View Azimuth : 180.0, Inclination : 90.0, Render Time : 0ms

1 1800 :: TEM : Airborne <

Figure III-10. Maxwell Model for VTEM Target S. Flight Line 1800

APPENDIX IV

KUTCHO 2011 DRILLHOLE LOCATIONS AND LENGTHS

Results and Recommendation from Kutcho Drilling in 2011										
Target and Hole ID		**Location Information**								
Target Name	**Hole #**	**Easting**	**Northing**	**Elevation**	**Azmuth**	**Dip**	**EOH (m)**	**Explanation of Target**	**Predicted Target Depth (m)**	**Actual Average Target Depth (m)**
A	219	546,793	6,448,675	1,110	185	-50	**150**	Graphite (w pyrite)	68	54
	220	546,793	6,448,675	1,110	185	-85	**102**	Graphite (w pyrite)	68	71
	221	546,686	6,448,672	1,142	185	-50	**102**	Graphite (w pyrite)	68	64
B	203	536,260	6,452,210	1,475	185	-50	**429**	Sulphides	225	208
	204	536,260	6,452,210	1,475	185	-63	**282**	Sulphides	225	220
	211	536,260	6,452,080	1,495	185	-50	**183**	Sulphides	225	93
	212	536,260	6,452,080	1,495	185	-70	**174**	Sulphides	225	121
	213	536,310	6,452,080	1,475	185	-70	**156**	Sulphides	225	116
	214	536,310	6,452,080	1,475	185	-50	**165**	Sulphides	225	94
C	215	538,665	6,451,590	1,585	185	-50	**192**	Sulphides	147	108
D	205	540,875	6,451,600	1,737	185	-50	**165**	Graphite	99	104
E	206	541,955	6,451,060	1,705	190	-50	**183**	Graphite	75	93
M	207	533,300	6,452,200	1,620	185	-60	**483**	Graphite	368	215
O	210	533,460	6,448,750	1,625	185	-60	**90**	Abandoned Drillhole	208	
O	210A	533,460	6,448,750	1,625	185	-60	**306**	Pyrite	208	175
R	209	533,150	6,448,420	1,555	200	-50	**330**	Graphite	88	78
S	208	534,098	6,447,820	1,737	190	-50	**273**	Graphite	65	45
	216						**117**	Abandoned Drillhole		
S	216A				190	-55	**345**	Geology Target		

Figure IV-1. Kutcho Property 2011 Drillhole Locations and Lengths

APPENDIX V

KUTCHO 2011 DRILLHOLE CROSS-SECTIONS

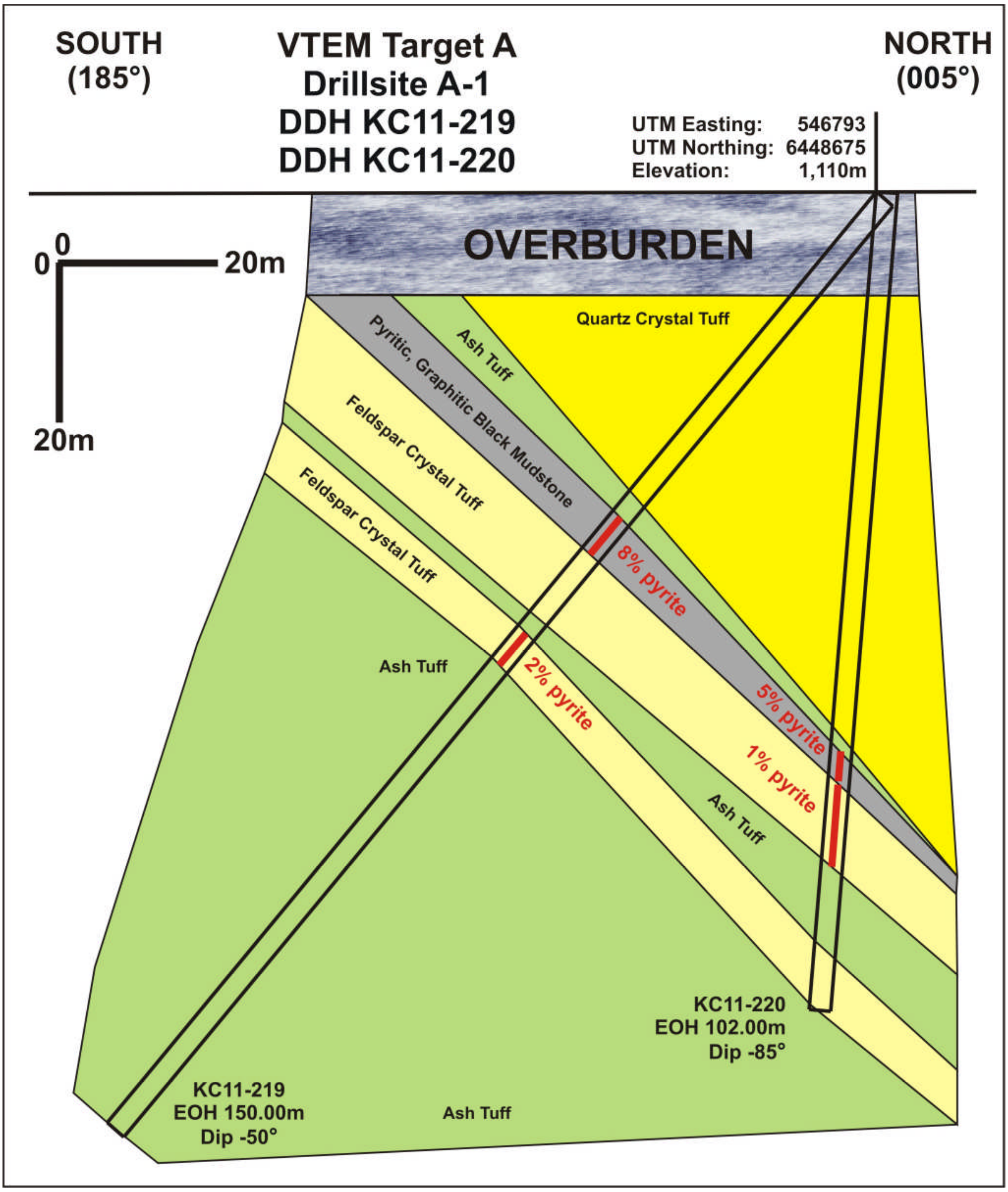


Figure V-1. Cross-Section through Target A, Drillsite A-1

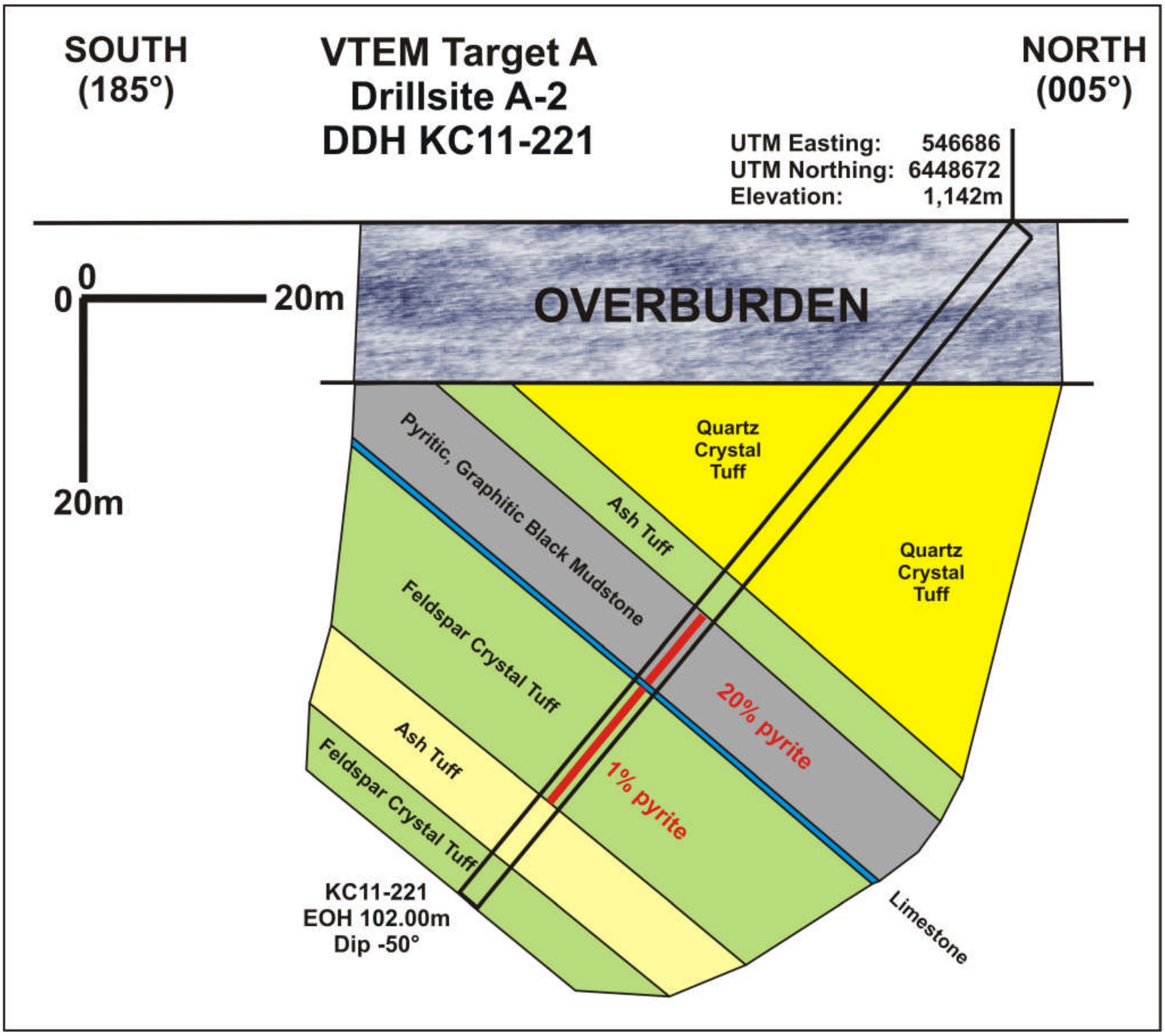


Figure V-2. Cross-Section through Target A, Drillsite A-2

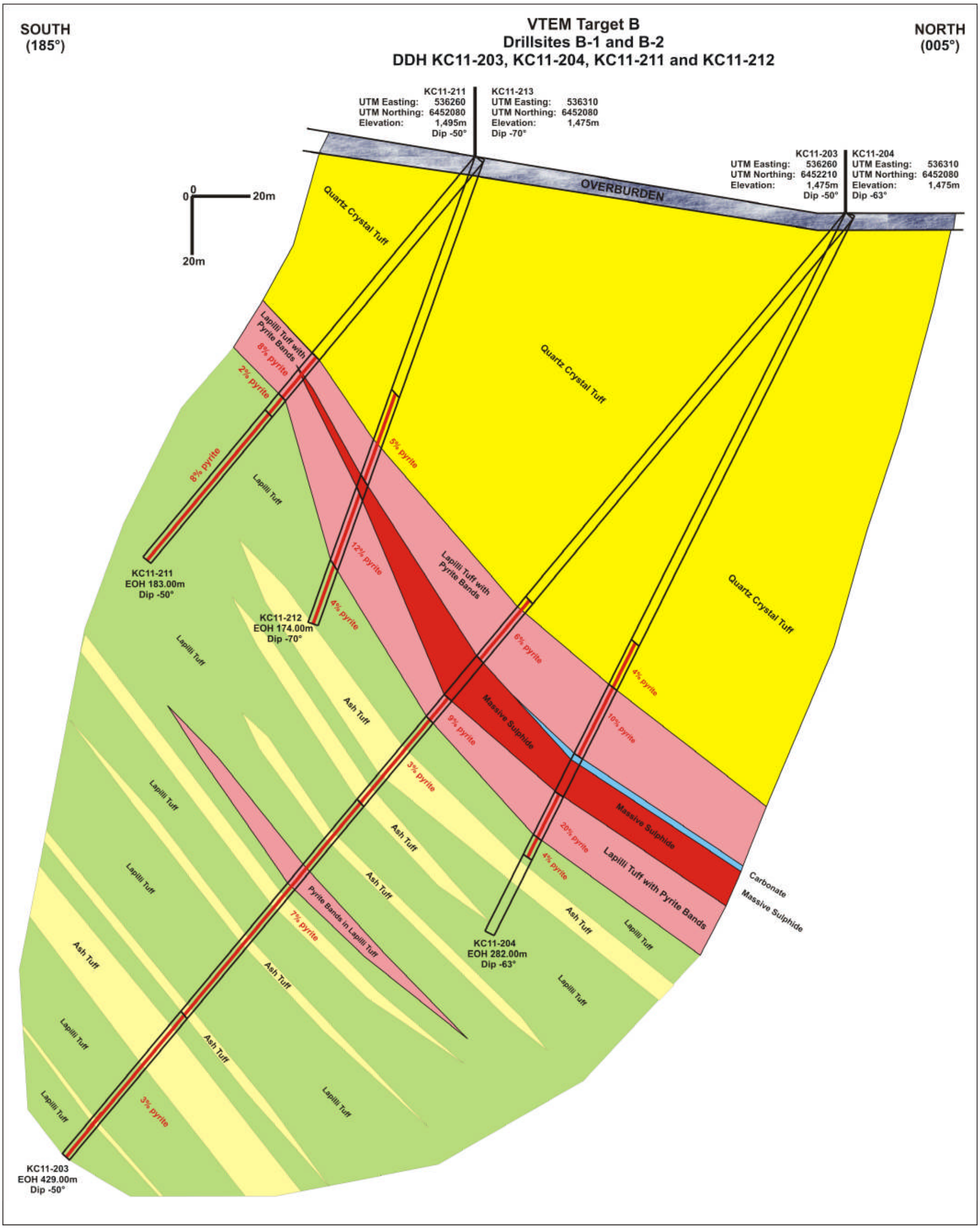


Figure V-3. Cross-Section through Target B, Drillsites B-1 and B-2

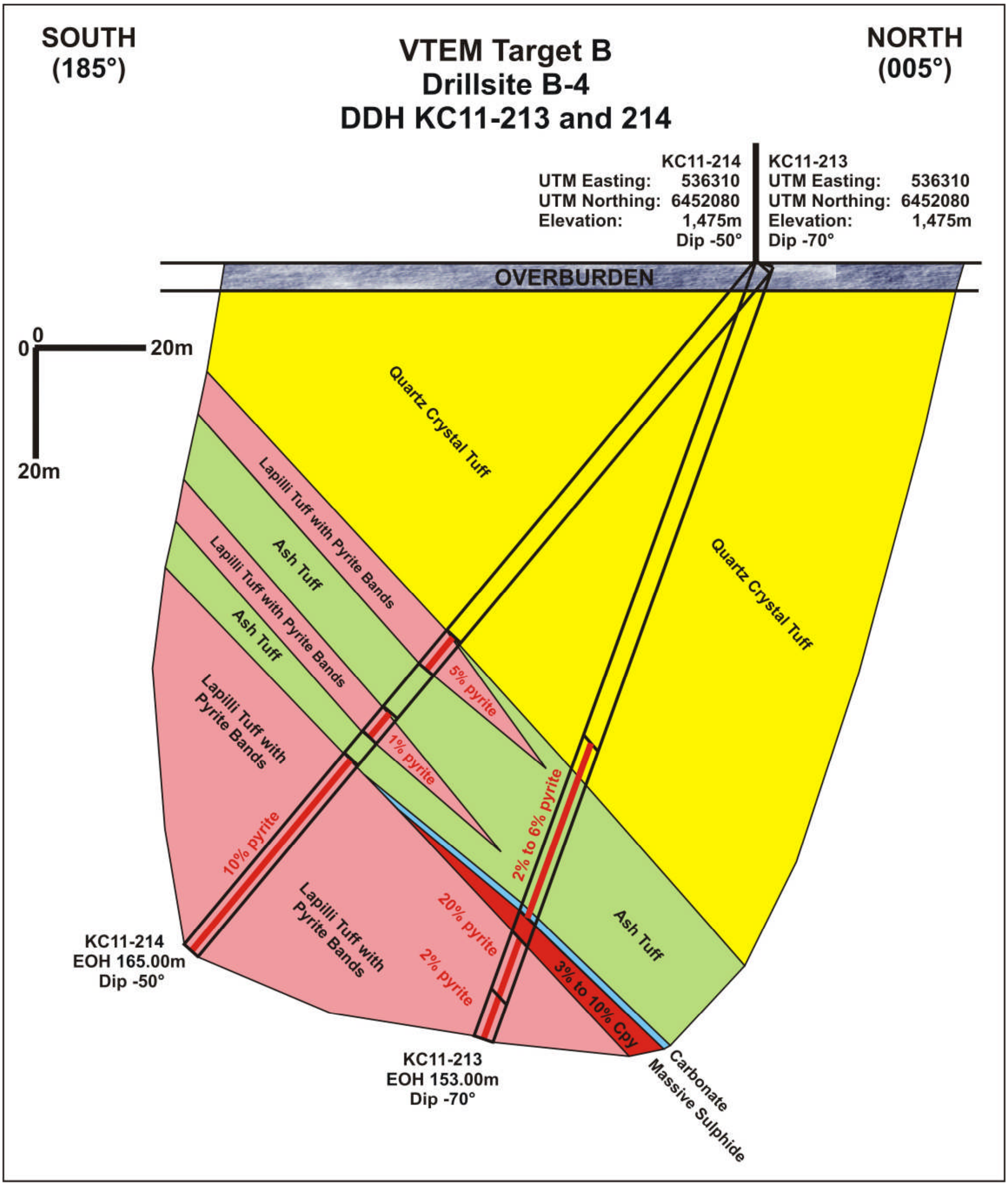


Figure V-4. Cross-Section through Target B, Drillsite B-4

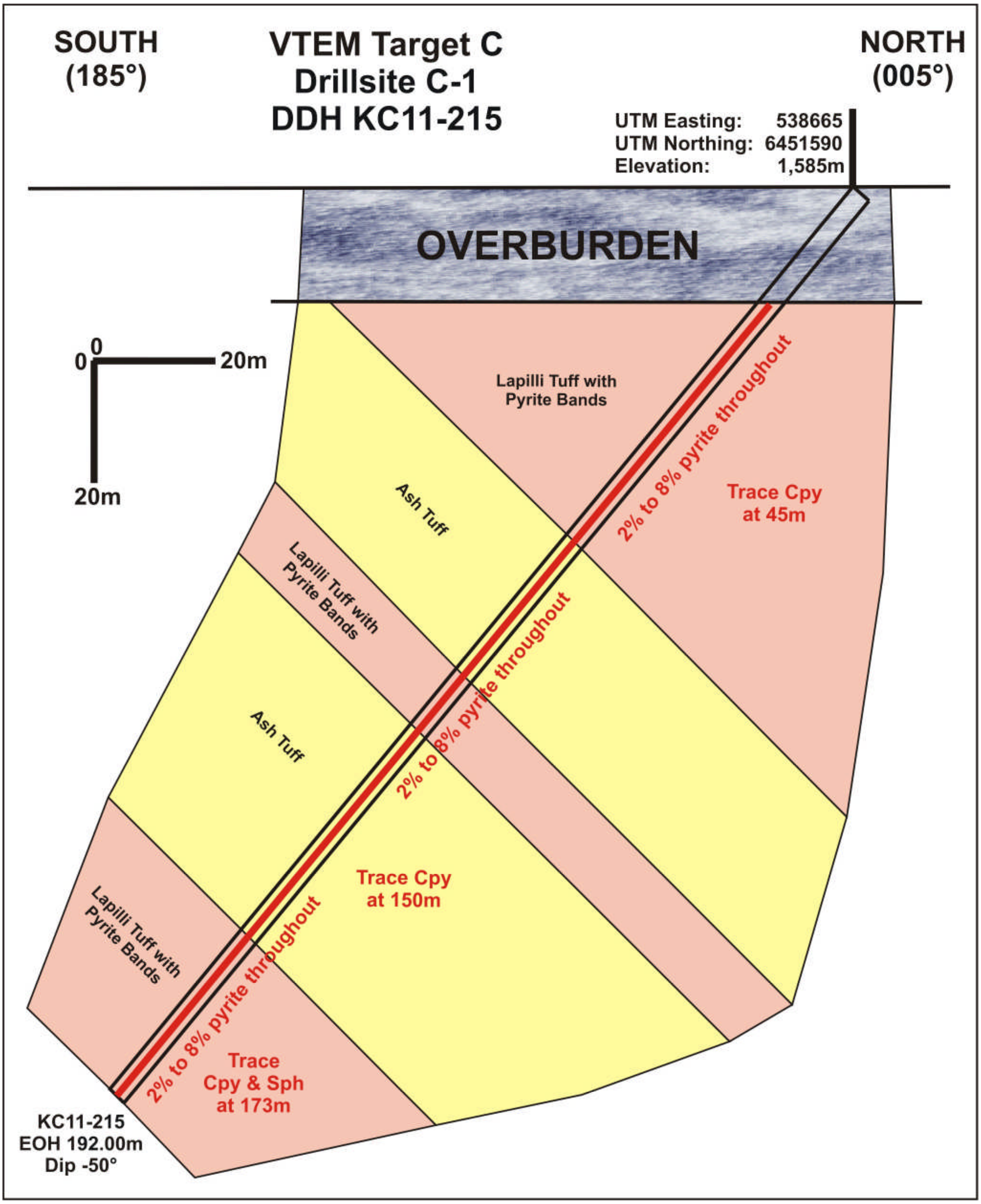


Figure V-5. Cross-Section through Target C, Drillsite C-1

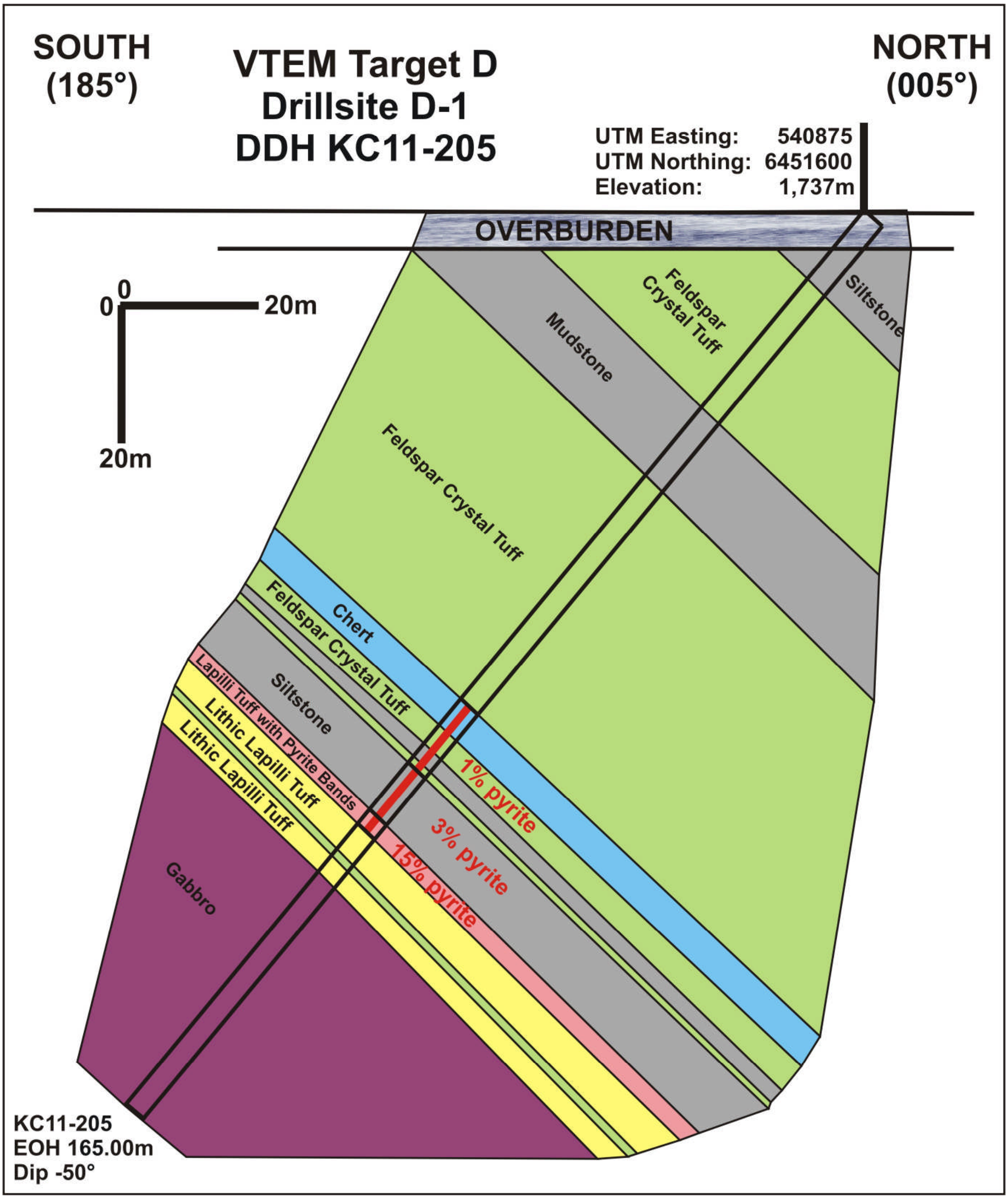


Figure V-6. Cross-Section through Target D, Drillsite D-1

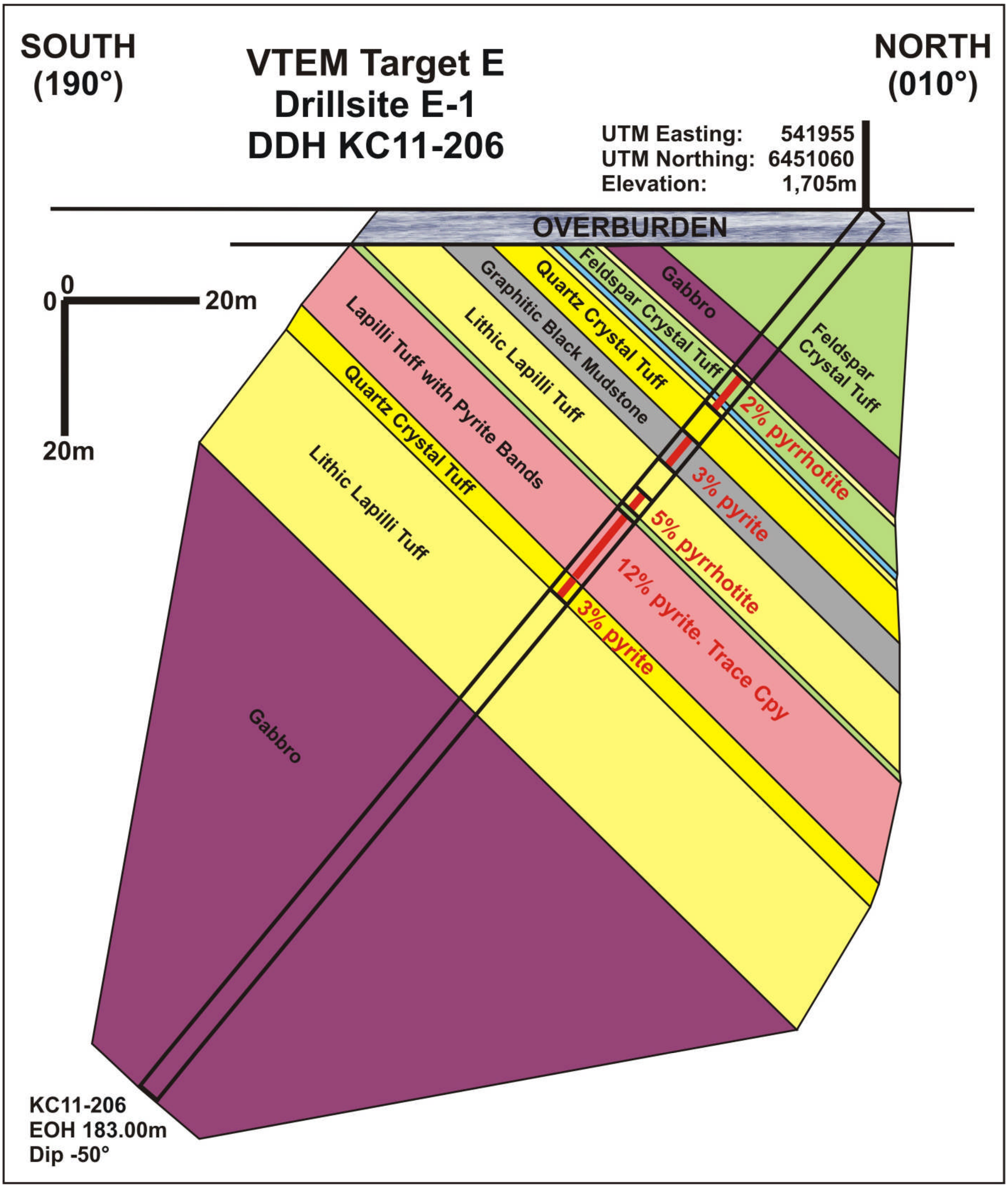


Figure V-7. Cross-Section through Target E, Drillsite E-1

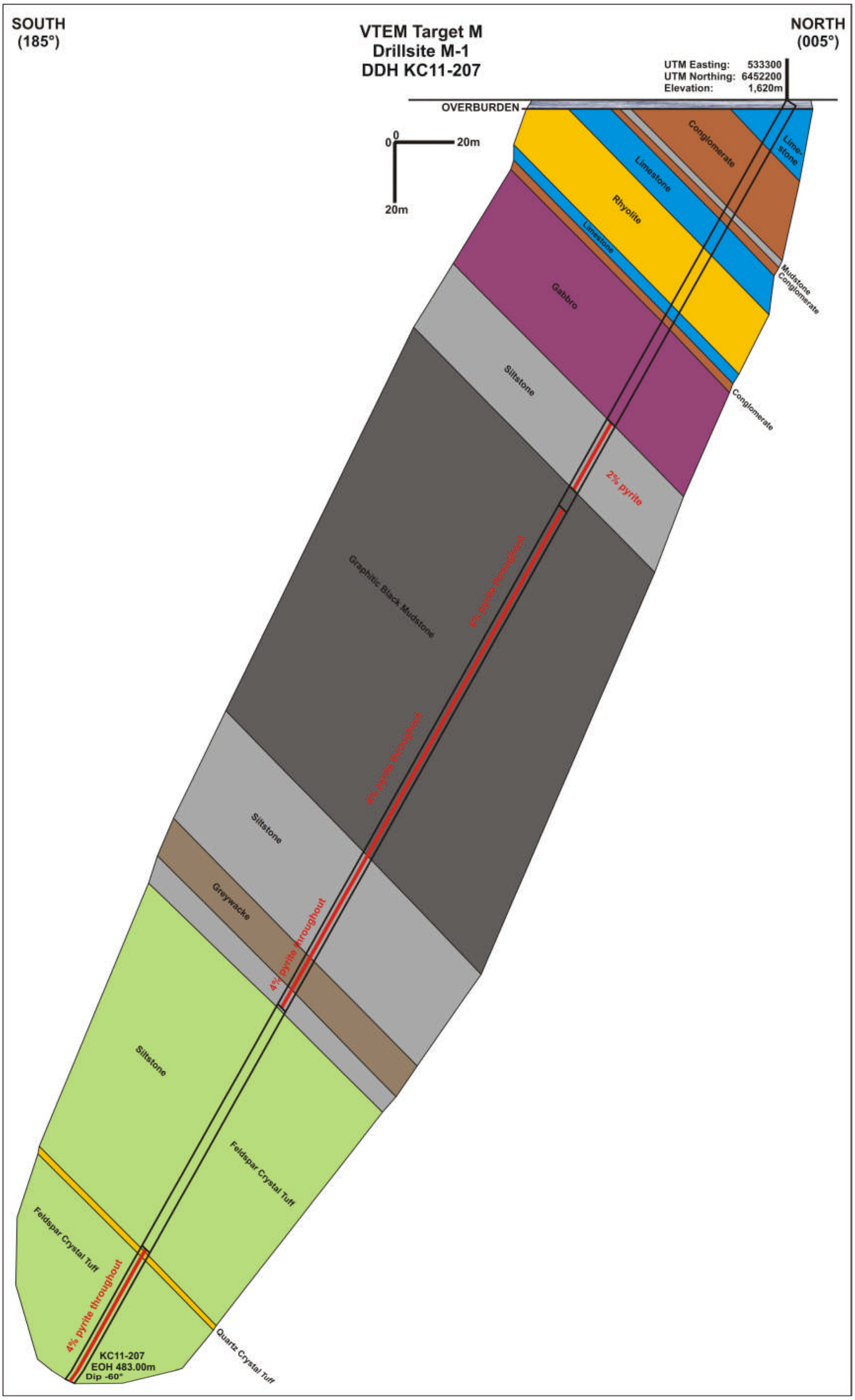


Figure V-8. Cross-Section through Target M, Drillsite M-1

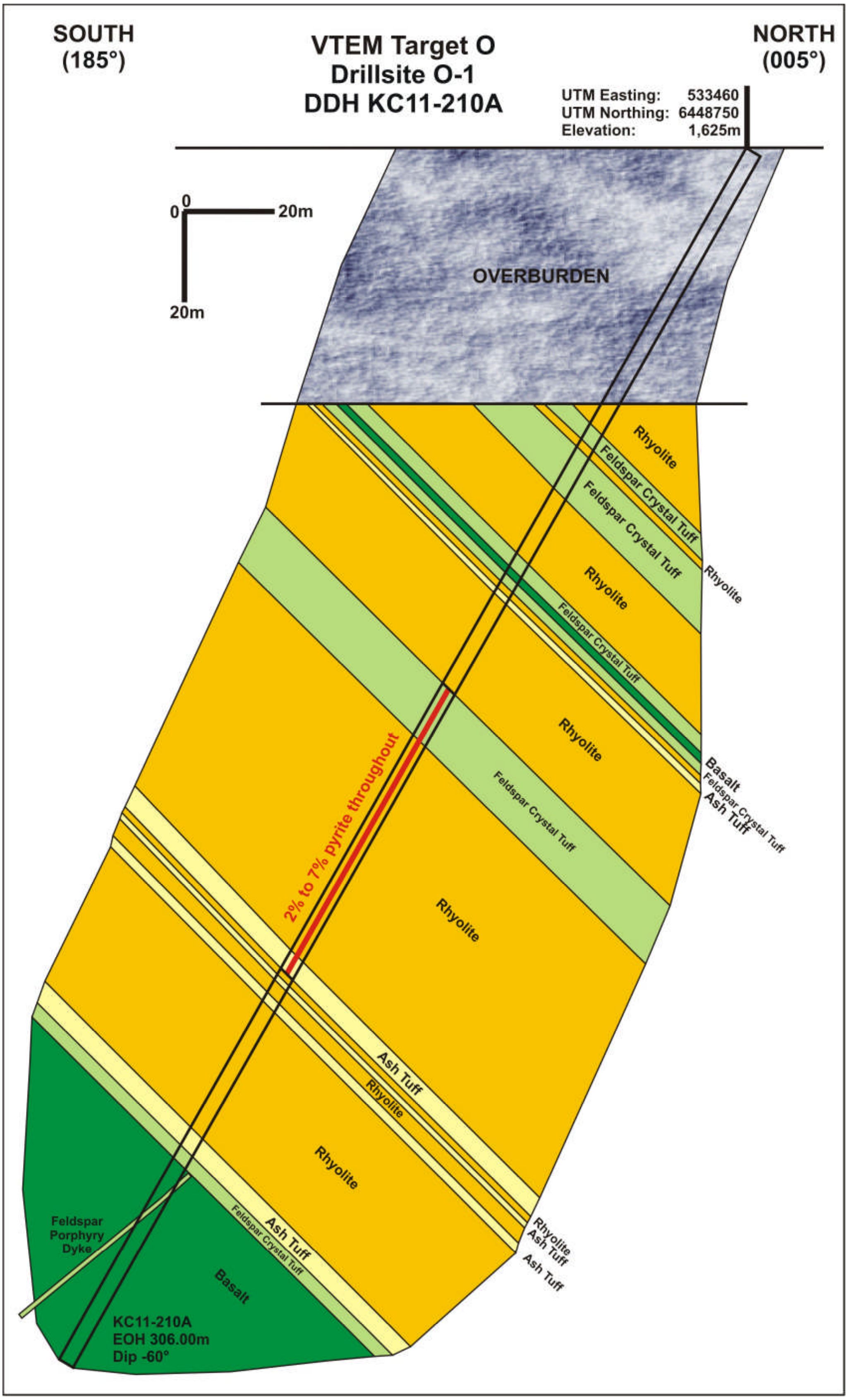


Figure V-9. Cross-Section through Target O, Drillsite O-1

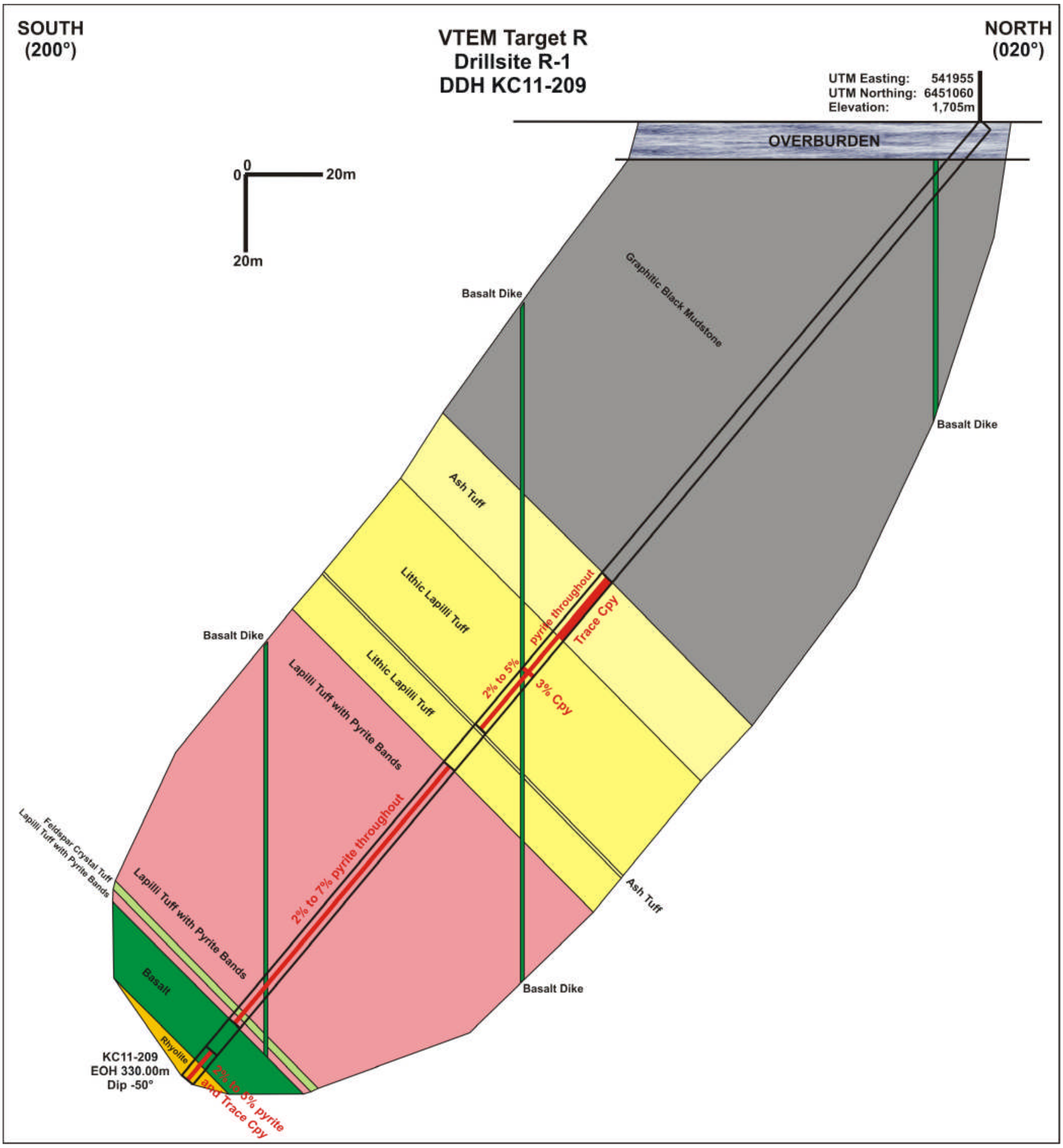


Figure V-10. Cross-Section through Target R, Drillsite R-1

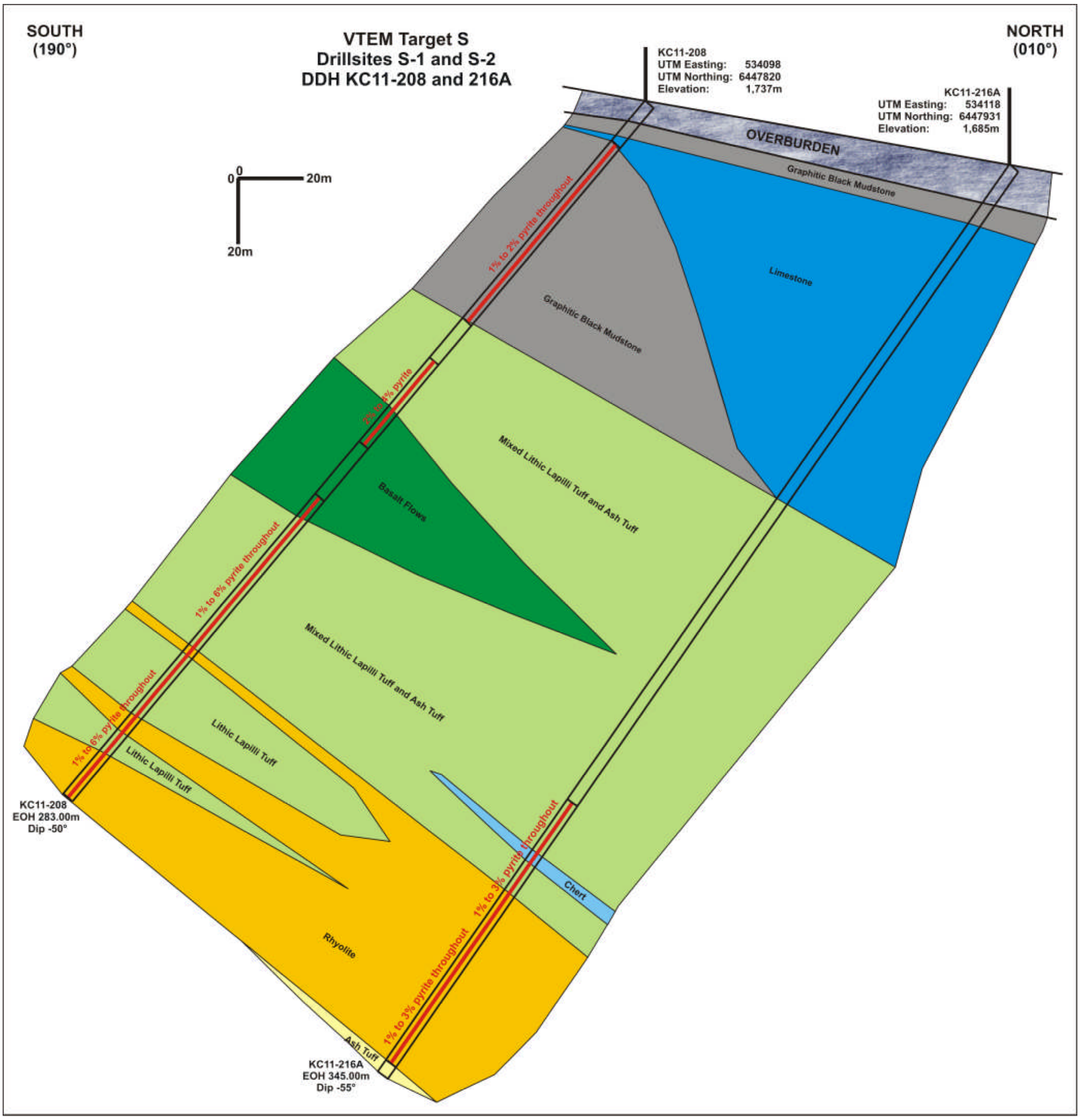


Figure V-11. Cross-Section through Target S, Drillsites S-1 and S-2

APPENDIX VI

KUTCHO CORE-LOGGING CODES

CODE	NAME
UNDEFINED UNIT	
UNKN	As Described
LITHOLOGY	
ANDS	ANDESITE
DACT	DACITE
RHYL	RHYOLITE
ARGL	ARGILLITE
SILT	SILTSTONE
VSLT	VOLCANIC SILTSTONE
MDST	MUDSTONE
PMDS	MUDSTONE - PYRITIC
GMDS	MUDSTONE - GRAPHITIC
GYWK	GREYWACKE
TFWK	TUFFWACKE
CNGL	CONGLOMERATE
HNFS	HORNFELS
CHRT	CHERT
CARB	CARBONATE
DOLM	DOLOMITE
GBBR	GABBRO
GBBX	GABBRO - BRECCIA
GBBFL	Gabbro Flow
BSPF	Basalt Porphyry Flow
BSFL	Basalt flow (aphyric)
DIOR	DIORITE
DYKE	DYKE
BRECCIAS	
QXBX	BRECCIA - QTZ
CBBX	BRECCIA - CARBONATE
LLTB	TUFF - LAPILLI - BRECCIA
MSBX	MASSIVE - SULPHIDES - BRECCIA
SXBX	BRECCIA - SULPHIDES
TFBX	TUFF - BRECCIA
QFTB	TUFF - QTZ - FSPAR - BRECCIA
QXTB	TUFF - QTZ - CRYSTAL - BRECCIA
PYBX	PYRITE BRECCIA
MPEB	MASSIVE PYRITE w EXHALITE BRECCIA
GBBX	GABBRO - BRECCIA
EXHALITES	
CHRT	CHERT
CARB	CARBONATE
DOLM	DOLOMITE
EXHL	EXHALITE - undifferentiated
SEXL	Siliceous Exhalite
CBEX	EXHALITE - CARB
CQEX	EXHALITE - CARB - SILICA
QCEX	EXHALITE - SILICA - CARB
CBSX	CARBONATE EXHALITE w SULPHIDE ENRICHMENT
SESX	SILICA EXHALITE w SULPHIDE ENRICHMENT

QCSX	QUARTZ CARBONATE EXHALITE w SULPHIDE ENRICHMENT
CQSX	CARBONATE QUARTZ EXHALITE w SULPHIDE ENRICHMENT
CBSX	CARBONATE - SULPHIDES
VEINS	
QZVN	VEIN - QTZ
VEIN	VEIN - undif
FAULT	
FLTZ	FAULT
GOUG	GOUGE
OTHER	
CASE	CASED
OVBD	OVERBURDEN
LOST	NO RECOVERY
MISN	MISSING
RUBL	RUBBLE
TUFF	
ASHT	TUFF - ASH
ASLT	TUFF - ASH - LITHIC
TFBX	TUFF - BRECCIA
XATF	TUFF - CRYSTAL - ASH
XLTF	TUFF - CRYSTAL - LITHIC
XLAT	TUFF - CRYSTAL - LITHIC - ASH
FXTF	TUFF - FSPAR - CRYSTAL
FXAT	TUFF - FSPAR - CRYSTAL - ASH
FXLT	TUFF - FSPAR - CRYSTAL - LITHIC
FQXT	TUFF - FSPAR - QTZ - CRYSTAL
LLTF	TUFF - LAPILLI
LLAT	TUFF - LAPILLI - ASH
LLTB	TUFF - LAPILLI - BRECCIA
LLXT	TUFF - LAPILLI - CRYSTAL
LLFT	TUFF - LAPILLI - FSPAR
LATF	TUFF - LITHIC - ASH
LAFT	TUFF - LITHIC - ASH - FSPAR
LAXT	TUFF - LITHIC - ASH - CRYSTAL
LXTF	TUFF - LITHIC - CRYSTAL
LXAT	TUFF - LITHIC - CRYSTAL - ASH
QXTF	TUFF - QTZ - CRYSTAL
QXAT	TUFF - QTZ - CRYSTAL - ASH
QXLT	TUFF - QTZ - CRYSTAL - LITHIC
QFAT	TUFF - QTZ - FSPAR - ASH
QFXT	TUFF - QTZ - FSPAR - CRYSTAL
QFTB	TUFF - QTZ - FSPAR - BRECCIA
QXTB	TUFF - QTZ - CRYSTAL - BRECCIA
PATF	TUFF - PYRITIC ASH
PLTF	TUFF - PYRITIC LAPILLI
SULPHIDES	
MSCP	Massive (or Semi-massive) Chalcopyrite
MSPY	Massive Pyrite - Fine-grained
MSSP	Massive (or Semi-massive) Sphalerite layers
MSBX	MASSIVE - SULPHIDES - BRECCIA
MSSX	MASSIVE - SULPHIDES
SMPY	SEMI-MASSIVE - PYRITE

SMSX	SEMI-MASSIVE - SULPHIDES
STRZ	STRINGER - SULPHIDES
SXBX	Sulphide Breccia
CBSX	CARBONATE - SULPHIDES
HMST	HANGINGWALL MIXED SULPHIDES & TUFF
MXLM	MASSIVE SULPHIDES - LAMINATED
FMSX	Footwall mixed sulphides ± tuff
DDSX	DENDRITIC SULPHIDES
CBSX	Carbonate Exhalite w sulphides
CBEX	Carbonate Exhalite
SEXL	Siliceous Exhalite
SESX	Siliceous Exhalite w sulphides
QCSX	Silica>Carbonate Exhalite
CQSX	Carbonate>Silica Exhalite
PYBX	Pyrite Breccia
PBLT	Pyrite-Banded Lapilli Tuff
LTPB	Lapilli Tuff - Pyrite-Banded
MPEB	Massive Pyrite + Exhalite Breccia
PYGR	Massive Pyrite - Granular
PMDS	MUDSTONE - PYRITIC
PATF	TUFF - PYRITIC ASH
PLTF	TUFF - PYRITIC LAPILLI

Table VI-1. Kutcho Property Core-Logging Codes – Lithologies and Sulphides

Geo-Metallurgical LOGGING CODES for Kutcho Creek VMS Deposits

GeoMet Unit	Class or Location	GeoLog CODES	NAME	Description	Discussion
1	Semi-MX	HMST	Hangingwall mixed sulphides ± tuff ± exhalite	Cp-Bn-Py-Sp ± quartz veins. Wisps or blebs. Medium-grained.	Remobilized or late Cp-Bn in lapilli tuff. May be interbedded w SEXL and/or CBEX
2	MX	MSSP	Massive (or Semi-massive) Sphalerite layers	Massive Sphalerite layers within banded massive pyrite	Near top of each **SULPHIDE CYCLE.**
3	MX	MSCP	Massive (or Semi-massive) Chalcopyrite	Cp wisps, chips or blebs. Chalcopyrite>40% + Py. Minor Bn & Sp. May occur as fine cpy mixed with fine massive pyrite - distinct geenish cast.	Superimposed on massive pyrite or exhalite
4	MX	MXLM	Fine laminated pyrite; Fine laminated sulphides; Banded polymetallic sulphides	Massive, fine- to very fine-grained sulphides. Pyrite is dominant. Laminations of Cp or Sp are common. Bn is rare and interstitial. Fine grained, banded, strongly laminated, Py-Sp, +Cp (±Bn)	
5	BX	SXBX	Sulphide Breccia	Py-Cp-Bn-Sp **BRECCIA**. Medium grained. Sulphide and/or lithic fragments. Volcanic frags / Sulphide frags / Carb frags + matrix	**Origin of Breccia:** Transported Ore? Collapsed Chimney? Pseudobreccia? Slump? Churning by hydrothermal fluids?
6	DD	DDSX	Dendritic Sulphides	Recrystallized quartz ± carbonate with Bn + Cp +Cc fracture fillings	Superimposed on exhalite or massive pyrite
7	Exhalite	CHRT	Chert	Silica exhalite (chert); pale grey, translucent, usually thin-bedded	Can include Kutcho Middle Marker
8	Exhalite	SEXL	Siliceous Exhalite	Silica exhalite; white, granular (sacchariodal); may be silicified tuff	Can include Kutcho Middle Marker
9	Exhalite	SESX	Siliceous Exhalite w sulphides	Silica exhalite with pyrite, ± Bn ± Cp fracture fillings	
10	Exhalite	QCSX	Silica>Carbonate Exhalite	Silica+carbonate exhalite with pyrite, ± Bn ± Cp fracture fillings	
11	Exhalite	CBEX	Carbonate Exhalite	Carbonate exhalite; may be oolitic	Can include Kutcho Middle Marker
12	Exhalite	CBSX	Carbonate Exhalite w sulphides	Carbonate exhalite with pyrite, ± Bn ± Cp fracture fillings	
13	Exhalite	CQSX	Carbonate>Silica Exhalite	Carbonate+silica exhalite with pyrite, ± Bn ± Cp fracture fillings	
14	Basal Zone	FMSX	Footwall mixed sulphides ± tuff	Cp>Py(>Sp>Bn) as wisps or blebs in medium- to fine-grained pyrite	Always near the footwall
15	Basal Zone	MPEB	Massive Pyrite + Exhalite Breccia	Massive pyrite with carbonate-exhalite-clast breccia	
16	Basal Zone	PYBX	Pyrite Breccia	Footwall pyrite breccia. Pyrite clasts in pyrite groundmass.	Always near the footwall
17	Basal Zone	MSPY	Massive Pyrite - Fine-grained	Massive Py; minor to accessory Cp or Sp ± Bn. May be laminated. Ranges from medium-grained to fine-grained.	Basal
18	Basal Zone	PYGR	Massive Pyrite - Granular	Granular Massive Py; May be faintly laminated. Basal zone of deposit is typically bright granular pyrite	Basal
19	Feeder Zone	PBLT	Pyrite-Banded Lapilli Tuff	Pyrite > 25% of rock Footwall feeder zone; developed through unconsolidated ash	Below the footwall of the deposit
20	Feeder Zone	LTPB	Lapilli Tuff - Pyrite-Banded	Pyrite < 25 % of rock, > 5% of rock Footwall feeder zone; developed through unconsolidated ash	Below the footwall of the deposit

Table VI-2. Kutcho Property Geo-Metallurgical Core-Logging Codes for Sulphide Deposits

APPENDIX VII

KUTCHO 2011 CORE LOGS

From	To	Litho	Simple Geo
0.00	**5.85**	**OVBD**	

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	5.85	NA		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
0.00	5.85	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	5.85	0	-						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
5.85	**14.30**	**SILT**	

Pale to medium green bedded tuffaceous siltstone. Tuffaceous interbeds become frequent below 12.50m, and these are composed predominantly of feldspar crystal tuff. Unit is spotted throughout with small subhedral calcite crystals (syn-depositionsl precip.). Patchy silicification occurs between 8.43m and 11.50m. Bedding faintly developed at 60 to 66 TCA. 0.5% disseminated and blebby pyrite throughout. Lower contact at 45 TCA.

STRUCTURES

From	To	Struct	CA	Strain
5.85	14.29	BD	63	VW
Bedding at 60 to 66 TCA.				
14.29	14.30	CT	45	
Lower contact at 45 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
5.85	8.43	W	W	-	-	-	-	-
weak calcite spotting, weakly chloritic.								
8.43	11.50	M	W	-	-	-	-	-
patchy silicification, weak calcite spotting, weakly chloritic.								
11.50	14.30	W	W	-	-	-	-	-
weak calcite spotting, weakly chloritic.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
5.85	14.30	0.5	DIS						
0.5% disseminated and blebby pyrite throughout.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
14.30	**28.37**	**TFBX**	

Mottled medium green, massive, strongly chlorite-epidote altered tuff breccia. Crystals include 5-7% grey blue rounded quartz, and weaky to intensely epidote altered patches and plagioclase (?) crystals; these impart the overall mottled appearance to the unit. Lithics occur to approximately 5% and are composed of chloritic volcanic derived siltstone, and lesser quartz crystal tuff. Trace disseminated pyrite. Lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
14.30	**28.37**	**TFBX**	

Mottled medium green, massive, strongly chlorite-epidote altered tuff breccia. Crystals include 5-7% grey blue rounded quartz, and weaky to intensely epidote altered patches and plagioclase (?) crystals; these impart the overall mottled appearance to the unit. Lithics occur to approximately 5% and are composed of chloritic volcanic derived siltstone, and lesser quartz crystal tuff. Trace disseminated pyrite. Lower contact at 80 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
14.30	28.36	NA		VW
	massive			
28.36	28.37	CT	80	VW
lower contact at 80 TCA				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
14.30	28.37	S	-	-	-	-	-
strong chlorite-epidote alteration, moderate localized hematite alteration.							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
14.30	28.37	0.05	DIS						
trace disseminated pyrite.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
28.37	**73.95**	**QXTF**	

Maroon to very pale pistachio coloured (alteration dependent) quartz crystal tuff. Composed of 12-15% rounded blue quartz crystals 2mm-10mm in diameter set in a glassy to very fine grained variably altered gorundmass. Alteration varies from weak to moderate hematite alteration to moderate sericite-epidote alteration as noted. 0.25% disseminated pyrite and trace native copper as noted. Lower contact gradational and approximated.
28.37m to 30.00m: Hematite alteration occurs as envelopes with sharp contact around otherwise unaltered QXTF. Could represent disruption of deposited semi-consolidated QXTF and subsequent alteration forming haloes.
30.00m to 37.23m: Moderate hematite alteration (maroon coloured) with patchy moderate sericite-epidote alteration (pale pistachio green).
37.23m to 39.15: Approximately 50/50 hematite/sericite-epidote alteration. These alteration "contacts" can be either sharp and distinct, or slightly diffuse and co-mingled. Odd, and difficult to explain.
39.15m to 45.25m: Pale pistachio green moderate to strong sericite-epidote alteration. Calcite and Fe-carbonate noted on fractures. A vitreous green chrome mica(?) noted at 43.80m.
45.25m to 49.10m: Moderate hematite alteration with characteristic maroon coloured QXTF.
49.10m to 67.50m: Patchy and generally weak hematite alteration.
67.50m to 67.90m: distinct band of foliated QXTF with moderately flattened quartz crystals (welded tuff). Foliation at 60 TCA. 2 flecks of native copper noted at 67.72m
67.90m to 73.95m: weakly altered (variable hematite or sericite epidote) QXTF. Rare chloritized tuffaceous and angular lithic shards noted throughout. Chlorite alteration increasing over basal 1.2m to lower contact, which is approximated.

STRUCTURES				
From	To	Struct	CA	Strain
28.37	67.50	NA		VW
	massive			

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
28.37	30.00	M	-	-	-	-	-
Hematite alteration occurs as envelopes with sharp contact around otherwise unaltered QXTF							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
28.37	67.50	0.25	DIS						
0.25% disseminated pyrite									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
28.37	73.95	QXTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
67.50	67.90	FOL	60	M
foliated at 60 TCA				
67.90	73.94	NA		VW
massive				
73.94	73.95	CT		VW
Lower contact gradational and approximated.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
30.00	37.23	M	-	-	M	-	-	-
Moderate hematite alteration (maroon coloured) with patchy moderate sericite-epidote alteration (pale pistachio green).								
37.23	39.15	M	-	-	M	-	-	-
Approximately 50/50 hematite/sericite-epidote alteration.								
39.15	45.25	M	VW	-	M	-	-	VW
Pale pistachio green moderate to strong sericite-epidote alteration. Calcite and Fe-carbonate noted on fractures. A vitreous green chrome mica(?) noted at 43.80m								
45.25	49.10	M	-	-	-	-	-	-
Moderate hematite alteration								
49.10	67.50	M	-	-	-	-	-	-
Patchy and genereally weak hematite alteration.								
67.50	73.95	W	-	-	W	-	-	-
weakly altered (variable hematite or sericite epidote); chlorite alteration increasing over basal 1.5m.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
67.50	67.90	0	-					NC	0.05
2 flecks of native Cu observed.									
67.90	73.95	0.25	DIS						
0.25% disseminated pyrite									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
73.95	**157.17**	**XLTF**	

Mottled green green crystal lithic tuff. Alteration throughout the entire lithology is chlorite-epidote with minor to moderate and very localized hematite overprint. Unit is essentially quartz crystal tuff with syn- and post depostional brecciation. Chlorite occurs throughout as an overall matrix overprint. Epidote alteration occurs more often as overprints of feldspar crystals and breccia shards and fragments; these shards and fragments are dominantly quartz crystal tuff. Minor intensely epidote-altered QXTF fragments occur throughout. Hematite alteration occurs only sporadically, overprinting epidote alteration. Trace disseminated pyrite overall. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
73.95	95.95	NA		VW
massive.				
95.95	96.02	FLT	40	S
fault with hematite gouge at 40 TCA.				
96.02	136.82	NA		VW
massive.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
73.95	79.05	M	-	-	-	-	-	-
moderate chlorite-epidote alteration.								
79.05	83.80	M	-	-	-	-	-	-
moderate chlorite-epidote-hematite alteration.								
83.80	101.60	S	-	-	-	-	-	-
strong chlorite-epidote alteration.								
101.60	105.10	S	-	-	-	-	-	-
strong chlorite-epidote alteration, moderate hematite overprint.								
105.10	110.00	S	-	-	-	-	-	-
strong chlorite-epidote alteration								
110.00	111.60	S	-	-	-	-	-	-
strong chlorite-epidote alteration, moderate hematite overprint.								
111.60	134.00	S	-	-	-	-	-	-
strong chlorite-epidote alteration.								
134.00	136.82	S	S	-	-	-	-	-
strong chlorite-epidote alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
73.95	157.17	0.05	DIS						
trace disseminated pyite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
73.95	**157.17**	**XLTF**	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
136.82	141.40	BX		S	136.82	141.40	S	S	-	-	-	- -													
Carbonate exhalite (?) and calcareous hydrothermal brecciation					strong carbonate and Fe-carbonate alteration and hydrothermal brecciation																				
141.40	149.80	NA		VW																					
massive.																									
					141.40	157.17	S	M	-	-	-	- -													
					strong chlorite-epidote alteration, moderate carbonate flooding																				
149.80	154.00	BD		VW																					
Crude bedding at 65 TCA.																									
154.00	157.16	NA		VW																					
maasive.																									
157.16	157.17	CT		VW																					
gradational lower contact.																									

From	To	Litho	Simple Geo
157.17	**179.70**	**QXTF**	

Green to beige grey, generally crudely bedded quartz crystal fuff, with 8% subrounded grey and blue quartz crystals that wane in abundance towards lower contact. Bedding at 55 to 65 TCA. Alteration is dominantly chlorite-epidote with ubiquitous weak carbonate alteration. 0.5% disseminated and wispy fracture controlled pyrite to 174.25m. From 174.25m to 179.70m, 4% pyrite as crude bands paralleling bedding. Lithology becoming progressively more sericitic approaching lower contact. Sharp lower contact at 65 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					157.17	162.50	W	W	-	-	-	- -													
					weak chlorite-epidote and weak carbonate alteration																				
													157.11	174.25	0.5	DIS									
													0.5% disseminated pyrite.												
157.17	179.69	BD	60	VW																					
Crude bedding at 55 to 65 TCA.																									
					162.50	170.50	S	W	-	-	-	- -													
					strong chlorite, weak epidote and weak carbonate alteration																				

From	To	Litho	Simple Geo
157.17	**179.70**	**QXTF**	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
179.69	179.70	CT	65	VW

sharp lower contact at 65 TCA

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
170.50	178.95	M	W	-	-	-	-	-

moderate chlorite, weak epidote and weak carbonate alteration

From	To	INT	CC	DO	SR	AK	SC	
178.95	179.70	M	W	-	M	-	-	-

moderately sericitic.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
174.25	179.70	4	LB						

4% pyrite as crude bands paralleling bedding.

SAMPLES

From	To	Sample	
177.20	178.70	I	134001
178.70	179.70	I	134002

From	To	Litho	Simple Geo
179.70	**189.16**	**FXTF**	

Pale grey-green to grey-beige well foliated sericitized feldspar crystal tuff. This is obviously hydrothermally altered, with sericite defining partings and elevated sulphide (pyrite) content. Foliation at 60 to 70 TCA. Lower contact sharp at 82 TCA.
179.7m to 181.50m: Intensely sericitic, with sporadic green fluoro-muscovite common. 6% pyrite as bands, blebs and aggregates.
181.5m to 189.16m: Moderate to strong sericitization. 3% pyrite as very fine disseminations.

STRUCTURES

From	To	Struct	CA	Strain
179.70	189.15	FOL	65	M

Foliation at 60 to 70 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
179.70	181.50	VS	W	-	VS	-	-	-

Intensely sericitic, with sporadic green fluoro-muscovite common, weak carbonate alteration.

From	To	INT	CC	DO	SR	AK	SC	
181.50	189.16	S	W	-	S	-	-	-

Moderate to strong sericitization, weak carbonate alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
179.70	181.50	6	LB						

6% pyrite as bands , blebs and aggregates.

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
181.50	189.16	3	DIS						

3% pyrite as very fine disseminations.

SAMPLES

From	To	Sample	
179.70	181.50	I	134003
181.50	183.04	I	134004
183.04	184.57	I	134005
184.57	184.57	I	134006
184.57	186.10	I	134007

From	To	Litho	Simple Geo
179.70	189.16	FXTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
189.15	189.16	CT	82	M

Lower contact sharp at 82 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
189.16	199.87	LLTF	

Light to medium grey, variably silicified and sericitized, bedded lapilli tuff. Significant hydrothermal alteartion with elevated pyrite. Bedding at 70 to 80 TCA. Overall 8% to 10% pyrite (locally 20% over 25cm) as bedding parallel bands and laminations, and lesser disseminations. Trace chalcopyrite noted in only 2 locations, associated with banded pyrite. Sharp lower contact at 75 TCA.
189.16m to 192.40m: Strongly sericitized.
192.40m to 199.87m: Patchy moderate to weak silicification and weak sericite alteration.

STRUCTURES

From	To	Struct	CA	Strain
189.16	199.86	BD	75	M

Bedding at 70 to 80 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
189.16	192.40	S	W	-	S	-	-	-
192.40	199.87	S	W	-	W	-	-	-

189.16–192.40: *Strong sericitization, weak carbonate alteration.*

192.40–199.87: *Patchy moderate to weak silicification and weak sericite alteration, weak carbonate alteration..*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
189.16	199.87	9	LB		0.05				

Overall 8% to 10% pyrite (locally 20% over 25cm) as bedding parallel bands and laminations, and lesser disseminations. Trace chalcopyrite noted in only 2 locations, associated with banded pyrite.

SAMPLES

From	To	Sample	
189.16	190.69	*I*	134010
190.69	192.22	*I*	134011
192.22	192.22	*I*	134012
192.22	193.75	*I*	134013
193.75	195.28	*I*	134014
195.28	196.81	*I*	134015
196.81	196.81	*I*	134016
196.81	198.34	*I*	134017

From	To	Litho	Simple Geo
189.16	199.87	LLTF	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
199.86	199.87	CT	75	M
Sharp lower contact at 75 TCA.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
199.87	200.17	SEXL	

Milky white brecciated silica exhalite with 8% coarse dendritic chalcopyrite. Lower contact in broken core.

STRUCTURES				
From	To	Struct	CA	Strain
199.87	200.16	BX		M
brecciated				
200.16	200.17	CT		M
Lower contact in broken core.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
199.87	200.17	-	-	-	-	-	-	-
no significant alteration.								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
199.87	200.17	0	-		8				
8% coarse dendritic chalcopyrite.									

SAMPLES		
From	To	Sample
199.87	200.17	*I* 134019

From	To	Litho	Simple Geo
200.17	201.10	FLTZ	

White-grey fault gouge and breccia zone. Intensely kaolinitic. Clasts of SEXL with coarse cpy noted. Overall 1% cpy and 0.75% pyrite. Lower contact sharp and irregular.

STRUCTURES				
From	To	Struct	CA	Strain
200.17	201.09	FLT		S
gouge and breccia				
201.09	201.10	CT		
Lower contact sharp and irregular.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
200.17	201.10	VS	-	-	M	-	-	-
intensely kaolinitic, moderate sericitization.								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
200.17	201.10	0.75	LB		1				
Overall 1% cpy and 0.75% pyrite.									

SAMPLES		
From	To	Sample
200.17	200.17	*I* 134020
200.17	201.10	*I* 134021

From	To	Litho	Simple Geo
201.10	**207.69**	**MSBX**	

Massive pyrite breccia. Characterized by 20% dark grey and much less milky white, siliceous clasts that are pitted, embayed and replaced by pyrite. Overall texture is mottled. The milky white clasts are quartz and quartz-carbonate. The grey clasts appear to be silica. 70% pyrite overall, with chalcopyrite occuring as noted. Sharp lower contact at 85 TCA.
203.44m to 207.67m: 4% cpy and trace bornite as splashes within the massive pyrite.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								201.10	202.22	I	134022
														201.10	203.44	70	MS									
														70% massive pyrite												
201.10	207.68	BX		M																						
massive sulphide breccia.																										
					201.10	207.69	W	W	-	-	-	-	-														
					weak silicification and carbonate alteration.																					
																								202.22	203.44	I	134023
																								203.44	204.50	I	134024
														203.44	207.69	70	MLB		4	0.05						
														4% cpy and trace bornite as splashes within 70% massive pyrite.												
																								204.50	204.50	I	134025
																								204.50	205.56	I	134026
																								205.56	206.62	I	134027
																								206.62	207.69	I	134028
207.68	207.69	CT	85	W																						
sharp lower contact at 85 TCA.																										

From	To	Litho	Simple Geo
207.69	**210.57**	**MSPY**	

Bedded massive pyrite. Bedding at 85 TCA. Locally weakly brecciated, and this seems to be the locus of the only chalcopyrite mineralization within the interval. Somewhat gradational lower contact.
208.90m to 209.35m: 4% splashy chalcopyrite within 75% massive pyrite.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								207.69	207.69	I	134029

From	To	Litho	Simple Geo
207.69	210.57	MSPY	

Bedded massive pyrite. Bedding at 85 TCA. Locally weakly brecciated, and this seems to be the locus of the only chalcopyrite mineralization within the interval. Somewhat gradational lower contact.
208.90m to 209.35m: 4% splashy chalcopyrite within 75% massive pyrite.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
													207.69	208.90	75	MS							207.69	208.90	I 134030
													75% massive pyrite.												
207.69	210.56	BD	85	VW																					
Bedding at 85 TCA.																									
					207.69	210.57	W	W	-	-	-	- -													
					weak silicification and carbonate alteration.																				
													208.90	209.35	75	MS		4					208.90	209.35	I 134031
													4% chalcopyrite, 75% massive pyrite.												
													209.35	210.57	75	MS							209.35	210.57	I 134032
													75% massive pyrite.												
210.56	210.57	CT		VW																					
Somewhat gradational lower contact.																									

From	To	Litho	Simple Geo
210.57	212.64	MSBX	

Massive pyrite breccia as per 201.10m to 207.69m with identical greyish silica clasts and milky quartz or carbonate clasts. Overall,75% pyrite, chalcopyrite and bornite mineralization as noted. Lower contact gradational.
210.77m to 212.64m: 7% chalcopyrite and 2% bornite. The bornite occurs as coarse remobilized clots and partial striated crystals.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
													210.57	210.77	75	MS									
													75% massive pyrite.												
																							210.57	210.87	I 134033
210.57	212.63	BX		M																					
massive sulphide breccia																									
					210.57	212.64	M	W	-	-	-	- -													
					weak to moderate carbonate and silica alteration associated with brecciation event.																				
													210.77	212.64	75	MS		7	2						
													75% massive pyrite, 7% chalcopyrite and 2% bornite. The bornite occurs as coarse remobilized clots and partial striated crystals.												

From	To	Litho	Simple Geo
210.57	212.64	MSBX	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
212.63	212.64	CT		

Lower contact gradational.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
212.64	216.50	MSPY	

Massive weakly bedded pyrite as per 207.69m to210.57m. Weakly bedded at 80 TCA. Very minor silica clasts noted. Overall 80% pyrite, trace chalcopyrite.
Lower contact sharp at 70 TCA.
215.79m to 215.95m:charcoal grey to black, volcanic derived siltstone. Bedding at 80 TCA. The siltstone appears to have transposed bedding below 215.85m, with bands of massive pyrite filling slip planes. The overall texture is one of "braided sulphides with "lozenges of the siltstone.

STRUCTURES

From	To	Struct	CA	Strain
212.64	215.80	BD	80	VW
Weakly beddd at 80 TCA.				
215.80	215.95	SH	65	VW
transposed bedding in siltstone				
215.95	216.49	BD	80	VW
Weakly beddd at 80 TCA.				
216.49	216.50	CT	70	VW
Lower contact sharp at 70 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
212.64	216.50	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
212.64	215.79	80	MS		0.05				
Overall 80% pyrite, trace chalcopyrite.									
215.79	215.95	20	LB						
20% pyrite "braids"									
215.95	216.50	80	MLB		0.05				
Overall 80% pyrite, trace chalcopyrite.									

SAMPLES

From	To	Sample	
212.64	214.22	*I*	134037
214.22	215.79	*I*	134038
215.79	216.50	*I*	134039

From	To	Litho	Simple Geo
216.50	**218.47**	**ASHT**	

Medium grey-brown moderately to well bedded ash tuff. Bedding at 70 TCA. Wispy bedding parallel Fe-carbonate alteration is common throughout. 15 cm thick milky quatrz vein noted centered at 216.91m. Overall, 30% fine to dusty pyrite. Lower contact gradational.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
216.50	218.46	BD	70	VW																						
Bedding at 70 TCA.																										
					216.50	218.47	M	-	-	-	-	-	M	216.50	218.47	30	DIS							216.50	218.47	I 134040
					moderate wispy bedding parallel Fe-carbonate.									*30% fine to dusty pyrite.*												
218.46	218.47	CT		VW																						
Lower contact gradational.																										

From	To	Litho	Simple Geo
218.47	**220.37**	**MSPY**	

Very weakly bedded masisve pyrite. Bedding at 65 TCA. Overall, 65% pyrite with interstitial silica and lesser carbonate. Sericite parting on bedding and joint planes. Lower contact gradational.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								218.47	219.42	I 134041
218.47	220.36	BD	65	VW																						
bedding at 65 TCA.																										
					218.47	220.37	VW	-	-	VW	-	-	-	218.47	220.37	65	MS									
					Sericite parting on bedding and joint planes.									*65% pyrite*												
																								219.42	219.42	I 134042
																								219.42	220.37	I 134043
220.36	220.37	CT		VW																						
gradational lower contact																										

From	To	Litho	Simple Geo
220.37	**222.95**	**ASHT**	

Green to grey bedded and altered ash tuff. Bedding at 70 TCA. Variably sericite altered below 220.90m, moderately Fe-carbonate altered throughout. 25cm thick milky quartz vein centered at 222.30m. Overall, 8-10% pyrite as bands and disseminations (locally 55% pyrite over 8cm). Lower contact sharp at 80 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								220.37	220.37	I 134044

From	To	Litho	Simple Geo
220.37	**222.95**	**ASHT**	

Green to grey bedded and altered ash tuff. Bedding at 70 TCA. Variably sericite altered below 220.90m, moderately Fe-carbonate altered throughout. 25cm thick milky quartz vein centered at 222.30m. Overall, 8-10% pyrite as bands and disseminations (locally 55% pyrite over 8cm). Lower contact sharp at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
220.37	222.94	BD	70	VW

Bedding at 70 TCA

From	To	Struct	CA	Strain
222.94	222.95	CT	80	VW

Lower contact sharp at 80 TCA.

ALTERATION

From	To	INT	CC	DO	SR		AK	SC
220.37	220.90	W	-	-	-	-	-	W

moderate Fe-carbonate alteration.

From	To	INT	CC	DO	SR		AK	SC
220.90	222.95	S	-	-	S	-	-	W

moderate to strong sericite alteration, moderate Fe-carbonate alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
220.37	222.95	9	LB						

8-10% pyrite as bands and dissminations (locally 55% pyrite over 8cm).

SAMPLES

From	To	Sample	
220.37	221.66	*I*	134045
221.66	222.95	*I*	134046

From	To	Litho	Simple Geo
222.95	**229.68**	**LTPB**	

Light to medium grey, variably silicified and sericitized lapilli tuff with banded pyrite. Bedding at 80 TCA. Lapilli are composed of cloudy grey and cloudy white quartz/silica or sericitized softer lensoidal material with aspect ratios ranging from 4:1 to 8:1. Overall moderate to strong silicification and sericitization. 8-10% banded pyrite (locally 40% over 25cm). Blebby chalcopyite observed at 226.74m. Sharp lower contact at 80 TCA.
223.95m to 224.35m: three separate gouge zones, 1-2cm thick, noted.

STRUCTURES

From	To	Struct	CA	Strain
222.95	229.67	BD	80	M

Bedding at 80 TCA.

ALTERATION

From	To	INT	CC	DO	SR		AK	SC
222.95	229.68	S	-	-	S	-	-	-

strong to moderate silicification and sericitization.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
222.95	229.68	9	LB		0.05				

8-10% banded pyrite (locally 40% over 25cm). Blebby chalcopyite observed at one location.

SAMPLES

From	To	Sample	
222.95	224.63	*I*	134047
224.63	226.31	*I*	134048
226.31	227.99	*I*	134049

From	To	Litho	Simple Geo
222.95	229.68	LTPB	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
229.67	229.68	CT	80	

Lower contact at 80 TCA

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
229.68	242.80	LLTF	

Greenish blue (turquoise) lapilli to lithic lapilli tuff. Approximately 20% lapilli and lithic fragments overall; crowded intervals contain as much as 40% lithic and lapilli fragments over 1 meter. Lapilli are composed dominantly of lensoidal, cloudy grrey-green siliceous fragments (chert?) and lesser tan-grey sericitic fragments. Lithics are charcoal grey and talcose(?). Alteration throughout is weak to moderate sericite-chlorite. Bedding at 80 TCA. 2% bedding parallel and disseminated pyrite overall; locally up to 15% pyrite over 10cm. Lower contact gradational.

STRUCTURES				
From	To	Struct	CA	Strain
229.68	242.79	BD	80	VW

Bedding at 80 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
242.79	242.80	CT		VW

Lower contact gradational.

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
229.68	242.80	M	-	-	M	-	-	-

moderate sericite-chlorite alteration.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
229.68	242.80	2	LB						

2% bedding parallel and disseminated pyrite overall; locally up to 15% pyrite over 10cm.

SAMPLES			
From	To	Sample	
229.68	230.80	I	134052
230.80	232.80	I	134053
232.80	234.80	I	134054
234.80	234.80	I	134055
234.80	236.80	I	134056
236.80	238.80	I	134057
238.80	240.80	I	134058
240.80	242.30	I	134059
242.30	244.93	I	134060

From	**To**	**Litho**	**Simple Geo**
242.80	**255.58**	**ASHT**	

Turquoise coloured and beige-grey (alteration dependant) ash tuff. Sporadic thin lapilli tuff intervals occur below 249.50m. Bedding at 80 to 85 TCA. Alteration is weak sericite-chlorite, except as noted. Weak Fe-carbonate alteration wisps throughout. Overall, 2-3% pyrite. Lower contact gradational.
247.00m to 248.30m: Beige-grey strongly sericite altered ash tuff.
250.88m to 252.06m: Beige-grey moderately sericite altered ash tuff.

STRUCTURES

<table>
<tr><th>From</th><th>To</th><th>Struct</th><th>CA</th><th>Strain</th></tr>
<tr><td>242.80</td><td>255.57</td><td>BD</td><td>83</td><td>VW</td></tr>
<tr><td colspan="5"><i>Bedding at 80 to 85 TCA.</i></td></tr>
<tr><td>255.57</td><td>255.58</td><td>CT</td><td></td><td>VW</td></tr>
<tr><td colspan="5"><i>lower contact gradational.</i></td></tr>
</table>

ALTERATION

<table>
<tr><th>From</th><th>To</th><th>INT</th><th>CC</th><th>DO</th><th>SR</th><th>AK</th><th>SC</th></tr>
<tr><td>242.80</td><td>247.00</td><td>W</td><td>-</td><td>-</td><td>W</td><td>-</td><td>VW</td></tr>
<tr><td colspan="8"><i>weak sericite-chlorite, except as noted. Weak Fe-carbonate alteration wisps throughout.</i></td></tr>
<tr><td>247.00</td><td>248.30</td><td>S</td><td>-</td><td>-</td><td>S</td><td>-</td><td>W</td></tr>
<tr><td colspan="8"><i>strongly sericite altered , weak Fe-carbonate alteration.</i></td></tr>
<tr><td>248.30</td><td>250.88</td><td>W</td><td>-</td><td>-</td><td>W</td><td>-</td><td>-</td></tr>
<tr><td colspan="8"><i>weak sericite-chlorite, except as noted. Weak Fe-carbonate alteration wisps throughout.</i></td></tr>
<tr><td>250.88</td><td>252.06</td><td>W</td><td>-</td><td>-</td><td>W</td><td>-</td><td>-</td></tr>
<tr><td colspan="8"><i>moderately sericite altered , weak Fe-carbonate alteration</i></td></tr>
<tr><td>252.06</td><td>255.58</td><td>W</td><td>-</td><td>-</td><td>W</td><td>-</td><td>-</td></tr>
<tr><td colspan="8"><i>weak sericite-chlorite, except as noted. Weak Fe-carbonate alteration wisps throughout.</i></td></tr>
</table>

MINERALIZATION

<table>
<tr><th>From</th><th>To</th><th>PY%</th><th>Style</th><th>Min</th><th>Min%</th><th>Min2</th><th>M2%</th><th>Min3</th><th>M3%</th></tr>
<tr><td>242.80</td><td>255.58</td><td>2.5</td><td>DIS</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="10"><i>Overall, 2-3% pyrite.</i></td></tr>
</table>

SAMPLES

From	To	Sample	
244.93	247.06	*I*	134061
247.06	249.19	*I*	134062
249.19	249.19	*I*	134063
249.19	251.32	*I*	134064
251.32	253.45	*I*	134065
253.45	253.45	*I*	134066
253.45	255.58	*I*	134067

From	To	Litho	Simple Geo
255.58	**261.00**	**LLTF**	

Turquoise-greem lapilli tuff. Moderate sericite-chlorite alteration. Fluoromuscovite evident from 256.53m to 257.00m. Bedding at 80 TCA. 2% very fine disseminated pyrite overall. Lower contact sharp at 85 TCA.

STRUCTURES

From	To	Struct	CA	Strain
255.58	260.99	BD	80	VW
bedding at 80 TCA.				
260.99	261.00	CT	85	VW
Lower contact sharp at 85 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
255.58	261.00	M	-	-	M	-	-	-
Moderate sericite chlorite alteration. Fluoromuscovite evident from 256.53m to 257.00m.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
255.58	261.00	2	DIS						
2% very fine disseminated pyrite overall									

SAMPLES

From	To	Sample	
255.58	257.39	*I*	134068
257.39	259.20	*I*	134069
259.20	261.00	*I*	134070

From	To	Litho	Simple Geo
261.00	**267.49**	**ASHT**	

Light to medium green, weakly to moderately chloritic, very weakly sericitic, ash tuff. Bedding at 82 TCA. Rare pale grey sericitic bands, less than 10 cm thick, contain up to 30% banded and semi-massive pyrite, but overall, the pyrite content is 4%, occuring as bedding parallel bands. Lower contact sharp at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
261.00	267.48	BD	82	VW
Bedding at 82 TCA.				
267.48	267.49	CT	80	VW
Lower contact sharp at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
261.00	267.48	M	-	-	W	-	-	-
weakly to moderately chloritic, very weakly sericitic								
267.48	267.49	M	-	-	W	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
261.00	267.49	4	LB						
4% pyrite, locally 30% over less than 10cm.									

SAMPLES

From	To	Sample	
261.00	261.00	*I*	134071
261.00	263.16	*I*	134072
263.16	265.32	*I*	134073
265.32	267.49	*I*	134074

From	To	Litho	Simple Geo
267.49	**268.14**	**LTPB**	

Pale green bedded lapilli tuff with pyrite bands. Bedding at 80 TCA. Strong sericitization, weak silicification. 18% banded and disseminated pyrite overall. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
267.49	268.13	BD	80	W
Bedding at 80 TCA.				
268.13	268.14	CT		W
Gradational lower contact				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
267.49	268.14	S	-	-	S	-	-	-
Strong sericitization, weak silicification.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
267.49	268.14	18	LB						
18% banded and disseminated pyrite.									

SAMPLES

From	To	Sample	
267.49	268.14	*I*	134075

From	To	Litho	Simple Geo
268.14	**271.10**	**ASHT**	

Light green, bedded ash tuff. Moderately chloritic, very weakly sericitic. Bedding at 80 TCA. 1%-2% disseminated pyrite. Sharp lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
268.14	271.09	BD	80	VW
Bedding at 80 TCA.				
271.09	271.10	CT	80	VW
Sharp lower contact at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
268.14	271.10	M	-	-	W	-	-	-
Moderately chloritic, very weakly sericitic.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
268.14	271.10	1.5	DIS						
1-2% disseminated pyrite									

SAMPLES

From	To	Sample	
268.14	268.14	*I*	134076
268.14	269.62	*I*	134077
269.62	271.10	*I*	134078

From	To	Litho	Simple Geo
271.10	**275.25**	**LTPB**	

Pale to light grey green lapilli tuff with 12% banded and disseminated pyrite. Bedding at 85 TCA. Strong sericite alteration and patchy silicification down to 271.90m. Below this alteration is very weak chlorite-sericite. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
271.10	**275.25**	**LTPB**	

Pale to light grey green lapilli tuff with 12% banded and disseminated pyrite. Bedding at 85 TCA. Strong sericite alteration and patchy silicification down to 271.90m. Below this alteration is very weak chlorite-sericite. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
271.10	275.24	BD	85	VW
Bedding at 85 TCA.				
275.24	275.25	CT		VW
Gradational lower contact.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
271.10	271.90	S	-	-	S	-	-	-
strong sericite alteration and patchy silicification								
271.90	275.25	W	-	-	W	-	-	-
very weak chlorite-sericite								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
271.10	275.25	12	LB						
12% banded and disseminated pyrite.									

SAMPLES

From	To	Sample
271.10	273.23	I 134079
273.23	275.25	I 134080

From	To	Litho	Simple Geo
275.25	**282.00**	**LLTF**	

Light green and pale green-grey (alteration dependent) bedded lapilli tuff. Bedding at 76 to 80 TCA. Straw yellow and wispy bedding parallel laminations of Fe-carbonate, coincident with elevated sericite alteration from 280.00m to 281.45m. Alteration is otherwise weak chlorite-sericite. Overall, 2% bedding parallel lenses and bands of pyrite. Lower contact at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
275.25	281.99	BD	78	W
Bedding at 76 to 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
275.25	280.00	W	-	-	W	-	-	-
weak chlorite-sericite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
275.25	282.00	2	LB						
2% bedding parallel lenses and bands of pyrite.									

SAMPLES

From	To	Sample
275.25	275.25	I 134081
275.25	276.94	I 134082
276.94	278.63	I 134083
278.63	280.32	I 134084

From	**To**	**Litho**	**Simple Geo**
275.25	282.00	LLTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
281.99	282.00	CT	75	W
Lower contact at 75 TCA.				

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
280.00	281.45	M	-	-	M	-	-	M
moderate sericite and Fe-carbonate alteartions								
281.45	282.00	W	-	-	W	-	-	-
weak chlorite-sericite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample
280.32	282.00	*I* 134085

From	**To**	**Litho**	**Simple Geo**
282.00	285.02	ASHT	

Pale grey-green bedded ash tuff. Bedding at 70 TCA. Very weak chlorite-sericite alteration. 20cm milky white quartz vein occurs centered at 284.30m. 3% stratabound pyrite bands. Lower contact sharp at 68 TCA.

STRUCTURES

From	To	Struct	CA	Strain
282.00	285.01	BD	70	VW
Bedding at 70 TCA.				
285.01	285.02	CT	68	VW
Lower contact sharp at 68 TCA.				

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
282.00	285.02	VW	-	-	VW	-	-	-
Very weak chlorite-sericite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
282.00	285.02	3	-						
3% stratabound pyrite bands.									

SAMPLES

From	To	Sample
282.00	282.00	*I* 134086
282.00	283.51	*I* 134087
283.51	285.02	*I* 134088

From	**To**	**Litho**	**Simple Geo**
285.02	288.67	LTPB	

Pale green and grey lapilli tuff with 12% banded and heavily disseminated pyrite. Bedding at 70 TCA. Weakly sericite-chlorite altered to 286.12m. Below this, strongly sericitized with patchy silicification. Lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
285.02	**288.67**	**LTPB**	

Pale green and grey lapilli tuff with 12% banded and heavily disseminated pyrite. Bedding at 70 TCA. Weakly sericite-chlorite altered to 286.12m. Below this, strongly sericitized with patchy silicification. Lower contact at 80 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					285.02	286.12	W	-	-	W	-	- -													
					Weakly sericite-chlorite altered.																				
																							285.02	286.85	*I* 134089
285.02	288.66	BD	70	VW																					
bedding at 70 TCA.																									
													285.02	288.67	12	LB									
													12% banded and heavily disseminated pyrite.												
					286.12	288.67	S	-	-	S	-	- -													
					strongly sericitized with patchy silicification.																				
																							286.85	288.67	*I* 134090
288.66	288.67	CT	80	VW																					
Lower contact at 80 TCA.																									

From	**To**	**Litho**	**Simple Geo**
288.67	**297.63**	**LLTF**	

Medium green, weakly chlorite-sericite altered lapilli tuff. Essentially a "crowded" lapilli tuff, with 40% lapilli; these are dominantly elongate and lensoidal cloudy white-grey and siliceous (chert?) lapilli, with approximately 1% dark grey-green talcose(?) shards. Bedding at 78 TCA overall. Lower contact sharp at 70 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							288.67	288.67	*I* 134091
																							288.67	290.91	*I* 134092
288.67	297.62	BD	78	VW																					
Bedding at 78 TCA.																									
					288.67	297.63	W	-	-	W	-	- -	288.67	297.63	2.5	DIS									
					weakly chlorite-sericite altered																				
																							290.91	293.15	*I* 134093
																							293.15	295.39	*I* 134094
																							295.39	297.63	*I* 134095

From	To	Litho	Simple Geo
288.67	297.63	LLTF	

(Continued from previous page)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR		AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
297.62	297.63	CT	70	VW																							
Lower contact sharp at 70 TCA.																											

From	To	Litho	Simple Geo
297.63	304.60	PBLT	

Medium grey and tan-green (locally) pyrite banded lapilli tuff with 20% banded and semi-massive pyrite. Bedding at 70 to 80 TCA. Moderately sericitic, with patchy silicification to 298.34m. Below 298.34m, moderate silicification and weak sericite alteration. From 301.75m to 302.97m, distinct greenish colour, probably due to very fine grained fluoromuscovite. Lower contact sharp at 85 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR		AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								297.63	297.63	I	134096
					297.63	298.34	M	-	-	M	-	-	-														
					Moderately sericitic, with patchy silicification																						
																								297.63	299.37	I	134097
297.63	304.59	BD	75	W																							
Bedding at 70 to 80 TCA.																											
														297.6304.60		20	LB										
														20% banded and semi-massive pyrite													
					298.34	304.60	M	-	-	W	-	-	-														
					moderate silicification and weak sericite alteration.																						
																								299.37	301.11	I	134098
																								301.11	302.85	I	134099
																								302.85	304.60	I	134100
304.59	304.60	CT	85	W																							
Lower contact sharp at 85 TCA.																											

From	To	Litho	Simple Geo
304.60	**308.44**	**LLTF**	

Light to medium green bedded lapilli tuff; crowded. With several less than 10cm thick bands of PBLT occuring between 307.00m and 308.44m. Bedding at 66 to 72 TCA. Weak chlorite-sericite alteration overall. 4% banded pyrite. Sharp lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
304.60	308.43	BD	69	W
Bedding at 66 to 72 TCA.				
308.43	308.44	CT	70	
Sharp lower contact at 70 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
304.60	308.44	W	-	-	W	-	-	-
Weak chlorite-sericite alteration overall.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
304.60	308.44	4	LB						
4% banded pyrite.									

SAMPLES

From	To	Sample	
304.60	306.52	*I*	134101
306.52	308.44	*I*	134102

From	To	Litho	Simple Geo
308.44	**313.82**	**ASHT**	

Turquoise blue to medium green, weakly bedded ash tuff. Bedding at 70 TCA. Weak chlorite and very weak sericite alteration. Pyrite occurs as occasional discreet bands associated with slightly more sericitic bands, which are less than 10cm thick; also minor disseminations with 3% pyrite overall. Sharp lower contact at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
308.44	313.81	BD	70	VW
Bedding at 70 TCA.				
313.81	313.82	CT	75	VW
Sharp lower contact at 75 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
308.44	313.82	W	-	-	VW	-	-	-
Weak chlorite and very weak sericite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
308.44	313.82	4	LB						
Pyrite occurs as occasional discreet bands associated with slightly more sericitic bands, which are less than 10cm thick; also minor disseminations with 3% pyrite overall.									

SAMPLES

From	To	Sample	
308.44	308.44	*I*	134103
308.44	310.23	*I*	134104
310.23	312.02	*I*	134105
312.02	313.82	*I*	134106

From	To	Litho	Simple Geo
313.82	320.37	LTPB	

Light grey and green lapilli tuff with pyrite bands. Very sparse lapilli throughout, and this interval also includes interbedded weakly chlorite-epidote altered lapilli tuff that is virtually devoid of sulphides. Bedding at 70 to 80 TCA. In the LTPB, alteration is moderate silicification and weak sericitization. Overall, 8% pyrite as disseminations and stratabound bands. Lower contact in 3cm gouge.

STRUCTURES

From	To	Struct	CA	Strain
313.82	320.36	BD	75	W
320.36	320.37	CT		S

bedding at 70 to 80 TCA. (313.82–320.36)

Lower contact in 3cm gouge. (320.36–320.37)

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
313.82	320.37	M	-	-	M	-	-	-

moderate sericite alteration, patchy silicification.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
313.82	320.37	8	LB						

8% pyrite as disseminations and stratabound bands.

SAMPLES

From	To	Sample	
313.82	316.01	*I*	134107
316.01	318.19	*I*	134108
318.19	318.19	*I*	134109
318.19	320.37	*I*	134110

From	To	Litho	Simple Geo
320.37	328.18	LLTF	

Medium to dark green, moderately chloritic lapilli tuff; for the most part, a crowded lapilli tuff. Bedding at 70 to 80 TCA. Very sporadic and narrow (less than 8 cm thick) LTPB bands occur, and seem to indicate that the alteration system is waning with depth. Overall 2% pyrite. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
320.37	327.60	BD	75	W
327.60	327.70	FLT		S

bedding at 70 to 80 TCA. (320.37–327.60)

10 cm thick gouge zone (327.60–327.70)

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
320.37	328.18	M	-	-	W	-	-	-

moderately chloritic

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
320.37	328.18	2	LB						

2% pyrite.

SAMPLES

From	To	Sample	
320.37	322.33	*I*	134111
322.33	324.28	*I*	134112
324.28	326.23	*I*	134113
326.23	328.18	*I*	134114

From	To	Litho	Simple Geo
320.37	328.18	LLTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
327.70	328.17	BD	75	
bedding at 70 to 80 TCA.				
328.17	328.18	CT		
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
328.18	331.06	ASHT	

Ligt to medium green ash tuff; no discernible bedding. Silicified from 328.50m to 331.60m. 2-3% disseminated and stratabound pyrite. 4cm fault gouge zone noted at 330.42m to 330.46m. Lower contact sharp at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
328.18	330.42	NA		W
massive				
330.42	330.46	FLT		S
4 cm fault gouge zone				
330.46	331.05	NA		W
massive				
331.05	331.06	CT	70	W
Lower contact sharp at 70 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
328.18	328.50	-	-	-	-	-	-	-
no significant alteration								
328.50	330.46	M	-	-	-	-	-	-
moderately silicified								
330.46	331.06	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
328.1831.06		2.5	LB						
2-3% disseminated and stratabound pyrite.									

SAMPLES

From	To	Sample
328.18	329.62	*I* 134115
329.62	331.06	*I* 134116

From	To	Litho	Simple Geo
331.06	**334.33**	**LTPB**	

Light grey lapilli tuff with pyrite bands. Original textures are obliterated by alteration, and faint lapilli are barely discernible. Moderately to intensely silicified with minor sericite partings. Three gouge and breccia zones occur from 332.27m to 333.40m. Bedding faint at 75 TCA. 12% banded and semi-massive pyrite. Gradational lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
331.06	332.27	BD	75	W																							
Bedding faint at 75 TCA																											
																								331.06	332.70	I	134117
					331.06	334.33	S	-	-	W	-	-	-	331.06	334.33	12	LB										
					Moderately to intensely silicified with minor sericite partings.									*12% banded and semi-massive pyrite.*													
332.27	333.40	FLT		S																							
Three gouge and breccia zones																											
																								332.70	332.70	I	134118
																								332.70	334.33	I	134119
333.40	334.32	BD	75																								
Bedding faint at 75 TCA																											
334.32	334.33	CT																									
Gradational lower contact.																											

From	To	Litho	Simple Geo
334.33	**346.00**	**LLAT**	

Light green, bedded lapilli ash tuff. Weak sericite, moderate chlorite alteration. Bedding crudely developed at 76 TCA. Relatively non-descript, except for the sporadic pyrite "blow-outs" with associated waning hydrothermal alteration noted in four less than 8cm thick intervals down to 342.10m. Outside of this, approximately 1% disseminated pyrite overall. Gradational lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								334.33	335.83	I	134120
334.33	345.99	BD	76	VW																							
Bedding crudely developed at 76 TCA.																											
					334.33	346.00	M	-	-	W	-	-	-	334.33	346.00	1.5	DIS										
					weak sericite, moderate chlorite alteration.									*1.5% disseminated and stratabound pyrite.*													
																								335.83	336.83	I	134121

From	To	Litho	Simple Geo
334.33	346.00	LLAT	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
345.99	346.00	CT		VW

gradational lower contact.

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
346.00	359.38	VSLT	

Very dark-green-grey strongly chloritized massive siltstone. Moderate Fe-carbonate throughout, occuring as mm-thick straw yellow to green-grey joint parallel laminations. 3% pyrite to 354.5m, as coarse aggregates paralleling joints. From 354.50m to 359.38m, 10% pyrite as more frequent bands and aggregates (including a near massive band from 359.01m to 359.18m). Sharp lower contact at 70 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
346.00	359.37	NA		VW
359.37	359.38	CT	70	VW

massive

Sharp lower contact at 70 TCA.

ALTERATION								
From	To	INT	CC	DO	SR	AK	SC	
346.00	359.38	S	-	-	W	-	-	M

strongly chloritized massive siltstone; moderate Fe-carbonate throughout, occuring as mm-thick straw yellow to green-grey joint parallel laminations.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
346.00	354.50	3	C						
354.50	359.38	10	SM						

3% pyrite

10% pyrite.

SAMPLES			
From	To	Sample	
356.88	358.38	*I*	134122
358.38	359.38	*I*	134123

From	To	Litho	Simple Geo
359.38	363.77	ASHT	

Pale grey pyritic ash tuff. Strongly sericite altered. Bedding at 70 TCA. Moderate Fe-carbonate as bedding parallel wisps.8 to 10% fine grained stratabound pyrite. Fault gouge zone from 360.40m to 362.05m. Gradational lower contact.

STRUCTURES				
From	To	Struct	CA	Strain
359.38	360.40	BD	70	VW

bedding at 70 TCA.

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES			
From	To	Sample	
359.38	361.58	*I*	134124

From	To	Litho	Simple Geo
359.38	**363.77**	**ASHT**	

Pale grey pyritic ash tuff. Strongly sericite altered. Bedding at 70 TCA. Moderate Fe-carbonate as bedding parallel wisps.8 to 10% fine grained stratabound pyrite. Fault gouge zone from 360.40m to 362.05m. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
360.40	362.05	FLT		VS
clay rich fault gouge zone.				
362.05	363.76	BD	70	VW
bedding at 70 TCA.				
363.76	363.77	CT		VW
Gradational lower contact.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
359.38	363.77	S	-	-	S	-	-
Strongly sericite altered, moderate Fe-carbonate.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
359.38	363.77	9	LB						
8 to 10% fine grained stratabound pyrite.									

SAMPLES

From	To	Sample	
361.58	361.58	*I*	134125
361.58	363.77	*I*	134126

From	To	Litho	Simple Geo
363.77	**369.22**	**LLTF**	

Medium green bedded, moderately chlorite-sericite altered lapilli tuff. Bedding at 80 TCA. Sporadic fine fluoromuscovite imparts a lime green hue; weak Fe-carbonate as wisps. 2% pyrite overall, associated with the rare cm-scale sericitic bands that occur sporadically. Sharp lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
363.77	369.21	BD	80	VW
Bedding at 80 TCA.				
369.21	369.22	CT	80	VW
Sharp lower contact at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
363.77	369.22	M	-	-	M	-	-	W
moderately chlorite-sericite altered; sporadic fine fluoromuscovite, weak Fe-carbonate as wisps.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
363.77	369.22	2	-						
2% pyrite overall, associated with the rare cm-scale sericitic bands that occur sporadically									

SAMPLES

From	To	Sample	
363.77	365.27	*I*	134127
365.27	366.27	*I*	134128
366.27	366.72	*I*	134129
366.72	367.72	*I*	134130
367.72	369.22	*I*	134131

From	To	Litho	Simple Geo
369.22	**386.59**	**ASHT**	

Light to medium grey, bedded and strongly altered ash tuff. Intense sericite and weak, patchy silicification down to 377m, becoming more pervasively silicified with weak sericite alteration down to lower contact. Bedding at 70 to 74 TCA. Bedding/foliation locally kinked between 371.68m and 374.41m. Pyrite content is variable throughout, but overall occurs as stratabound bands, wisps and disseminations to 5%. Lower contact gradational.

STRUCTURES				
From	To	Struct	CA	Strain
369.22	386.59	BD	72	VW

Bedding at 70 to 74 TCA.

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
369.22	377.00	S	-	-	S	-	-	VW
377.00	386.59	S	-	-	W	-	-	VW

369.22–377.00: *Intense sericite and weak, patchy silicification, very weak Fe-carbonate alteration.*

377.00–386.59: *pervasively silicified with weak sericite alteration; very weak Fe-carbonate alteration.*

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
369.22	386.59	5	LB						

5% pyrite as stratabound bands, wisps and disseminations

SAMPLES			
From	To	Sample	
369.22	371.70	*I*	134132
371.70	374.18	*I*	134133
374.18	374.18	*I*	134134
374.18	376.66	*I*	134135
376.66	379.14	*I*	134136
379.14	381.62	*I*	134137
381.62	384.10	*I*	134138
384.10	386.59	*I*	134139

From	To	Litho	Simple Geo
386.59	**411.96**	**LLTF**	

Medium green moderately chlorite-sericite altered bedded lapilli tuff. Generally a crowded lapilli tuff. Bedding at 68 to 72 TCA. There are sporadic intervals of strong silicification and sericite alteration; these contain as much as 15% pyrite over 25cm. Otherwise, the LLTF contains approximately 3% pyrite overall. Gradational lower contact.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES			
From	To	Sample	
386.59	386.59	*I*	134140
386.59	387.59	*I*	134141

From	To	Litho	Simple Geo
386.59	**411.96**	**LLTF**	

Medium green moderately chlorite-sericite altered bedded lapilli tuff. Generally a crowded lapilli tuff. Bedding at 68 to 72 TCA. There are sporadic intervals of strong silicification and sericite alteration; these contain as much as 15% pyrite over 25cm. Otherwise, the LLTF contains approximately 3% pyrite overall. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
386.59	411.95	BD	70	VW
Bedding at 68 to 72 TCA				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
386.59	387.70	M	-	-	M	-	-	-
moderately chlorite-sericite altered								
387.70	388.43	S	-	-	M	-	-	-
well silicified, moderate sericite alteration								
388.43	393.12	M	-	-	M	-	-	-
moderately chlorite-sericite altered								
393.12	393.69	S	-	-	S	-	-	-
moderately silicified, intense sericite alteration								
393.69	396.30	M	-	-	M	-	-	-
moderately chlorite-sericite altered								
396.30	398.03	M	-	-	M	-	-	-
patchy silicification and sericitization.								
398.03	405.50	M	-	-	M	-	-	-
moderately chlorite-sericite altered								
405.50	408.07	S	-	-	M	-	-	-
well silicified, moderate sericite alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
386.59	387.70	1	DIS						
1% disseminated pyrite.									
387.70	411.96	3	DIS						
3% pyrite overall with 10% stratabound pyrite in local LTPB intervals.									

SAMPLES

From	To	Sample	
387.59	389.09	*I*	134142
403.06	404.56	*I*	134143
404.56	405.56	*I*	134144
405.56	406.82	*I*	134145
406.82	406.82	*I*	134146
406.82	408.07	*I*	134147
408.07	409.57	*I*	134148

From	To	Litho	Simple Geo
386.59	**411.96**	**LLTF**	

(Continued from previous page)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC		DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					408.07	411.96	M	-	-	M	-	-	-													
					moderately chlorite-sericite altered																					
																								409.57	410.57	I 134149
411.95	411.96	CT		VW																						
Gradational lower contact.																										

From	To	Litho	Simple Geo
411.96	**413.18**	**ASHT**	

Very pale green massive ash tuff. Very weakly chloritic and sericitic. 1.5% very fine disseminated pyrite. Gradational lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC		DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
411.96	413.17	NA		VW																						
massive																										
					411.96	413.18	VW	-	-	VW	-	-	-	411.96	413.18	1.5	DIS									
					Very weakly chloritic and sericitic.									*1.5% very fine disseminated pyrite.*												
413.17	413.18	CT		VW																						
Gradational lower contact.																										

From	To	Litho	Simple Geo
413.18	**429.00**	**LLTF**	

Pale green lapilli tuff. Bedding at 80 TCA. Weakly chloritic and sericitic. Waning hydrothermal system evident from narrow intercalated bands of PBLT from 413.30m to 413.50m, 425.47m to 425.60m, 425.64m to 425.85m and 526.05m to 426.30m (these intervals contain on average 20% pyrite). Overall the LLTF contains 1% disseminated pyrite. End of Hole.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC		DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					413.18	413.30	W	-	-	W	-	-	-													
					Weakly chloritic and sericitic.																					
413.18	429.00	BD	80	VW										413.18	429.00	2.5	LB									
Bedding at 80 TCA														*1% pyrite in LLTF; PBLT from 425.47 m to 426.30m contains 20% pyrie.*												
					413.30	413.50	S	-	-	S	-	-	-													
					strong sericite alteration																					

From	To	Litho	Simple Geo
413.18	429.00	LLTF	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					413.50	425.47	W	-	-	W	-	-													
					Weakly chloritic and sericitic.																				
					425.47	426.30	S	-	-	S	-	-											425.47	426.30	*I* 134150
					strong sericite alteration																				
					426.30	429.00	W	-	-	S	-	-													
					Weakly chloritic and sericitic.																				

From	To	Litho	Simple Geo
0.00	**6.56**	**OVBD**	

Casing/Overburden

STRUCTURES				
From	To	Struct	CA	Strain
0.00	6.56	NA		

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
0.00	6.56	-	-	-	-	-	-	-

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	6.56	0	-						

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
6.56	**13.33**	**SILT**	

Pale to medium green bedded tuffaceous siltstone. Tuffaceous interbeds are composed predominantly of feldspar crystal tuff. Unit is spotted throughout with small subhedral calcite crystals. Patchy silicification below 9.40m. Bedding faintly developed at 55 to 65 TCA. 0.5% disseminated and blebby pyrite throughout, trace pyrrhotite. Lower contact in broken core.

STRUCTURES				
From	To	Struct	CA	Strain
6.56	13.32	BD	60	VW
Bedding faintly developed at 55 to 65 TCA.				
13.32	13.33	CT		VW
Lower contact in broken core.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
6.56	9.40	VW	VW	-	-	-	-	-
weak carbonate spotting								
9.40	13.33	M	VW	-	-	-	-	-
moderate, patchy silicification, weak carbonate spotting								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.56	13.33	0.5	DIS					PO	0.05
0.5% disseminated and blebby pyrite throughout, trace pyrrhotite.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
13.33	**31.06**	**TFBX**	

Medium to dark green, pervasively chloritized, moderately epidotized, quartz crystal tuff breccia. Breccia fragments are the QXTF, which are epidotized down to 27.50m. From 27.50m to 31.06m, breccia fragments are maroon coloured and hematized. Chloritized lithic fragments (ash tuff?) also occur very infrequently. Very minor low angle carbonate veining evident. Trace pyrite. Gradational lower contact.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
13.33	**31.06**	**TFBX**	

Medium to dark green, pervasively chloritized, moderately epidotized, quartz crystal tuff breccia. Breccia fragments are the QXTF, which are epidotized down to 27.50m. From 27.50m to 31.06m, breccia fragments are maroon coloured and hematized. Chloritized lithic fragments (ash tuff?) also occur very infrequently. Very minor low angle carbonate veining evident. Trace pyrite. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
13.33	31.05	NA		VW
		massive		
31.05	31.06	CT		VW
Gradational lower contact.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
13.33	31.06	S	VW	-	-	-	-	-
pervasively chloritized, moderately epidotized, very weak carbonate alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
13.33	31.06	0.05	DIS						
Trace pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
31.06	**82.06**	**QXTF**	

Massive variably altered quartz crystal tuff. Overall, 10 to 12% blue subrounded to subhedral quartz crystals that are up to 8mm in diameter, set in a fine grained to very fine grained variably altered (as noted) matrix. Alteration varies between strong chlorite, strong sericite and moderate hematite alteration. Locally bedded, as noted. Rare intervals are also feldspar porphyritic. Trace disseminated pyrite. Lower contact approximated, with first appearance of breccia fragment.
31.06m to 34.50m: Moderate to strong chlorite-weak hematite alteration.
34.50m to 37.94m: moderate hematite-weak sericite altered QXTF. Narrow brecciated interval from 35.00m to 35.45m.
37.94m to 45.00m: strong sericite-patchy weak to moderate hematite-very weak epidote altered QXTF. Fe-carbonate-calcite rich annealed fault breccia/gouge zone noted from 41.91m to 42.15m. Bleaching persists down to 42.75m.
45.00 mto 51.67m: weak hematite alteration.
51.67m to 52.97m moderate sericite-very weak epidote alteration. Low angle milky quartz vein with chlorite-epidote altered vein margins (3% coarse cubic pyrite) noted from 52.30m to 52.70m; weaves in and out of core axis.
52.97m to 64.10m: relatively unaltered QXTF, but with sporadic feldspar crystals observed.
64.10m to 70.73m: very weak hematite-sericite-epidote alteration.
70.73m to 75.80m: strong chloritic alteration.
75.80m to 82.06m: moderate hematite and chlorite-weak epidote alteration.

STRUCTURES

From	To	Struct	CA	Strain
31.06	41.91	NA		VW
		massive		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
31.06	34.50	S	-	-	-	-	-	-
Moderate to strong chlorite-weak hematite alteration.								
34.50	37.94	M	-	-	W	-	-	-
moderate hematite-weak sericite altered.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
31.06	82.06	0.05	DIS						
Trace disseminated pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
31.06	82.06	QXTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
41.91	42.15	FLT		S
Fe-carbonate-calcite rich annealed fault breccia/gouge zone				
42.15	82.05	NA		VW
massive				
82.05	82.06	CT		
Lower contact approximated, with first appearance of breccia fragment.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
37.94	45.00	S	-	-	S	-	-	-
strong sericite-patchy weak to moderate hematite-very weak epidote altered.								
45.00	51.67	W	-	-	-	-	-	-
weak hematite alteration.								
51.67	52.97	M	-	-	M	-	-	-
moderate sericite-very weak epidote alteration.								
52.97	64.10	-	-	-	-	-	-	-
relatively unaltered.								
64.10	70.73	VW	-	-	VW	-	-	-
very weak hematite-sericite-epidote alteration.								
70.73	75.80	VW	-	-	VW	-	-	-
strong chloritic alteration.								
75.80	82.06	M	-	-	-	-	-	-
moderate hematite and chlorite-weak epidote alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
82.06	101.45	TFBX	

Medium green, mottled, massive quartz crystal tuff breccia, with characterisitc epidote altered QXTF fragments. Variably chlorite-epidote-hematite altered as noted. Riddled with thin (less than 1cm thick) low to high angle carbonate veinlets. Trace pyrite. Lower contact approximated.
82.06m to 95.70m: Moderate to strong chloritization with moderate epidote overprint.
95.70m to 101.45m: Moderate chlorite alteration with epidote overprint. The epidote is in turn overprinted by weak to moderate hematite alteration.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					82.06	95.70	M	VW	- -	-	-	-													
					Moderate to strong chloritization with moderate epidote overprint.																				
82.06	101.44	NA		VW																					
	massive																								
													82.06	101.45	0.05	DIS									
					95.70	101.45	M	VW	- -	-	-	-													
					moderate chlorite alteration with epidote overprint. The epidote is in turn overprinted by weak to moderate hematite alteration.																				
101.44	101.45	CT		VW																					
	Lower contact approximated.																								

From	To	Litho	Simple Geo
101.45	148.10	LXTF	

Dark green, mottled, massive lithic crystal tuff. Essentially the QXTF with intense chlorite alteration amd moderate to strong epidote mottling. The epidote appears to occurs as entire replacement of some pre-existing lithic gragments, and as alteration haloes of fine grained chloritized fragments (originally mafic tuff?). Quartz crystals occur throughout with variable abundance. Trace pyrite overall. Lower contact drawn on basis of weakening alteration, and disappearance of randomly oriented lithics in favour of more "layered " and lensoidal, infequent lapilli.
101.45m to 115.47m: Strong chlorite-epidote alteration; mottled appearance.
115.47m to 119.96m: Strong chlorite-hematite alteration, with hematite overprint of earlier epidote.
119.96m to 120.30m: strong chlorite and weak epidote alteration.
120.30m to 121.93m: Moderate chlorite with weak epidote-hematite alteration.
121.93m to 144.32m: weak to moderate chlorite alteration, with weak to very weak epidote alteration, and intervals that are virtually devoid of alteration.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					101.45	115.47	S	VW	- -	-	-	-													
					Strong chlorite-epidote alteration; mottled appearance.																				
101.45	148.09	NA		VW																					
	massive																								
													101.45	148.10	0.05	DIS									
													trace disseminated pyrite.												

From	To	Litho	Simple Geo
101.45	148.10	LXTF	

(Continued from previous page)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					115.47	119.96	S	VW	-	-	-	-	-													
					Strong chlorite-hematite alteration; mottled appearance.																					
					119.96	120.30	S	VW	-	-	-	-	-													
					Strong chlorite-weak epidote alteration.																					
					120.30	121.93	M	VW	-	-	-	-	-													
					Moderate chlorite with weak epidote-hematite alteration.																					
					121.93	144.32	W	VW	-	-	-	-	-													
					weak to moderate chlorite alteration, with weak to very weak epidote alteration.																					
					144.32	148.10	VW	VW	-	-	-	-	-													
					very weak chlorite alteration																					
148.09	148.10	CT		VW																						
approximate lower contact.																										

From	To	Litho	Simple Geo
148.10	172.29	QXTF	

Medium grey-brown and green (alteration dependent) bedded to locally massive, quartz crystal tuff. The bedding is defined by pulses of quartz crystal rich layers, followed by pulses of fine grained to ash tuff. Bedding is at 50 TCA. Very sporadic lapilli occur and these parallel overall bedding orientation. Alteration is weak overall, and hematite-epidote dominant to 159.65m, and chlorite-epidote dominant to the lower contact, except from 167.25m to 171.50m; this interval is characterized by moderate to strong sericite and weak epidote alteration. Overall, 0.75% pyrite to 167.30m, occuring coincident with sporadic sericite-epidote-quartz rich bands that are bedding parallel. Below 167.30m, 3% pyrite as stratabound bands, wisps and disseminations in the strong sericite altered assemblage. Lower contact sharp at 55 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					148.10	159.65	W	VW	-	VW	-	-	-													
					weak hematite-epidote alteration.																					
														148.10	167.30	0.75	LB									
														0.75% pyrite, occuring coincident with sporadic sericite-epidote-quartz rich bands that are bedding parallel.												
148.10	172.28	BD	50	VW																						
bedding at 50 TCA.																										

From	To	Litho	Simple Geo
148.10	172.29	QXTF	

(Continued from previous page)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
159.65	167.25	W	VW	-	VW	-	-	-

weak chlorite-epidote alteration.

From	To	INT	CC	DO	SR	AK	SC	
167.25	171.50	S	VW	-	S	-	-	-

moderate to strong sericite and weak epidote alteration

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
167.30	172.29	3	LB						

3% pyrite as stratabound bands, wisps and disseminations

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
171.50	172.29	W	VW	-	S	-	-	-

weak chlorite-epidote alteration.

STRUCTURES

From	To	Struct	CA	Strain
172.28	172.29	CT	55	VW

Lower contact sharp at 55 TCA.

From	To	Litho	Simple Geo
172.29	185.40	FQXT	

Medium green, bedded feldspar-quartz crystal tuff. Bedding at 55 TCA, and defined by alteranating crystal rich and ash rich beds. Moderately chloritic and weakly epidote altered to 178.30m. Below this, significant hydrothermal alteration, as noted. Overall 3-4% stratabound pyrite throughout. Sharp lower contact at 65 TCA
172.29m to 178.30m: Moderately chloritic and weakly epidote altered.
174.70m to 175.80m: Chloritic breccia and gouge zone; low angle at upper contact.
179.30m to 185.40m: Intensely altered and bleached FQXT, with alteration intensifying toward lower contact. Moderately to intensely sericitic throughout
Silicified and pyritic from 183.50m to 183.75m. Fluoromuscovite/pyrophyllite(?) alteration noted from 181.85m to lower contact, and is intense from 183.88m to 185.40m (8-10% fluoromuscovite/pyrophyllite).

STRUCTURES

From	To	Struct	CA	Strain
172.29	174.70	BD	55	VW

Bedding at 55 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
172.29	179.30	M	VW	-	-	-	-	VW

Moderately chloritic and weakly epidote altered.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
172.29	185.40	3.5	LB						

3-4% stratabound pyrite throughout.

STRUCTURES

From	To	Struct	CA	Strain
174.70	175.80	FLT		S

breccia and gouge zone; low angle at upper contact

From	To	Struct	CA	Strain
175.80	185.39	BD	55	VW

bedding at 55 TCA

SAMPLES

From	To		Sample
176.80	178.30	*I*	1134151

From	To	Litho	Simple Geo
172.29	185.40	FQXT	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
185.39	185.40	CT	65	VW

Sharp lower contact at 65 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
179.30	185.40	VS	VW	-	M	-	-	-

Strong to intense sericitization, with coincident patchy silicification, weak epidote alteration, strong fluoromuscovite/pyrophyllite alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample
181.30	183.35	*I* 1134154
183.35	185.40	*I* 1134155

From	To	Litho	Simple Geo
185.40	186.80	LLTF	

Medium to dark grey, ntensely silicified and altered lapilli tuff. Sporadic lapilli are faintly visible with silica overprint. Bedding at 55 TCA. 10% heavily disseminated and banded pyrite. Basal 18cm is strongly pyrophyllitic. Lower contact sharp at 60 TCA.

STRUCTURES

From	To	Struct	CA	Strain
185.40	186.79	BD	55	W
186.79	186.80	CT	60	W

185.40–186.79: *Bedding at 55 TCA.*

186.79–186.80: *Lower contact sharp at 60 TCA.*

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
185.40	186.62	S	-	-	-	-	-	-
186.62	186.80	S	-	-	-	-	-	-

185.40–186.62: *intensely silicified.*

186.62–186.80: *intensely pyrophyllitized.*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
185.40	186.80	10	LB						

10% heavily disseminated and banded pyrite.

SAMPLES

From	To	Sample
185.40	185.40	*I* 1134156
185.40	186.80	*I* 1134157

From	To	Litho	Simple Geo
186.80	188.45	CBBX	

Grey-white brecciated carbonate-semimassive sulphides. Carbonate is generally very white, rather hard (silica mixed?) and non-reactive to very weakly reactive to HCl. Sulphides consist of 40% pyrite and 3-4% coarse to splashy chalcopyrite. Lower contact sharp but irregular.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								186.80	187.62	I	1134158
186.80	188.44	BX		S																							
breccia																											
					186.80	188.45	S	S	-	-	-	-	-	186.80	188.45	40	BXF		3.5								
					carbonate rich breccia; weakly silicified?									40% pyrite and 3-4% coarse to splashy chalcopyrite.													
																								187.62	188.45	I	1134159
188.44	188.45	CT		W																							
Lower contact sharp but irregular.																											

From	To	Litho	Simple Geo
188.45	199.93	ASHT	

Light to dark grey intensely altered, foliated ash tuff. Hydrothermal alteration consists of moderate to locally strong silicification and weak sericitization to 193.60m, and strong sericitization-weak silicification to 199.93m (locally approaching paper schist). Foliation at 40 to 60 TCA to 195.90m, and at 80 TCA to 199.93m. Overall, 12% to 14% pyrite as laminations very heavy disseminations and semi-massive (193.29m to 193.60m) and massive (196.88m to 197.04m) bands. 0.5% chalcopyrite, mostly noted in a 1cm stratabound band centered at 191.72m, and as disseminations. Sharp lower contact at 75 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
188.45	188.45	FOL	50	M																				188.45	188.45	I	1134160
Foliation at 40 to 60 TCA																											
																								188.45	190.75	I	1134161
					188.45	193.60	S	VW	-	W	-	-	W														
					moderate to locally strong silicification and weak sericitization; moderate Fe-carbonate as foliation parallel wisps																						
188.45	199.92	FOL	80	M																							
Foliation at 80 TCA.																											
														188.45	199.93	13	LB		0.5								
														12 to 14% pyrite as laminations very heavy disseminations and semi-massive (193.29m to 193.60m) and massive (196.88m to 197.04m) bands. 0.5% chalcopyrite.													
																								190.75	193.05	I	1134162
																								193.05	195.35	I	1134163

From	To	Litho	Simple Geo
188.45	199.93	ASHT	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
199.92	199.93	CT	75	M

Sharp lower contact at 75 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
193.60	199.93	S	VW	-	W	-	-	-

strong sericitization-weak silicification; moderate Fe-carbonate as foliation parallel wisps

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample
195.35	197.64	*I* 1134164
197.64	197.64	*I* 1134165
197.64	199.93	*I* 1134166

From	To	Litho	Simple Geo
199.93	202.10	LLTF	

Light green, well bedded lapilli tuff. Relatively unaltered; unusual as it is sandwiched between 2 highly altered units. Very well bedded at 84 TCA. With very flattened lapilli (aspect ratio up to 25:1). Moderate Fe-carbonate as bedding parallel wisps. Weakly chlorite-sericite altered. Overall, 2-3% pyrite; this comes from the several thin bands (less than 2 cm thick) of sericite-silica alteration that occurs sporadically in the interval. Alteration picks up toward lower contact, which is sharp at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
199.93	202.09	BD	84	VW
202.09	202.10	CT	80	VW

Bedding at 84 TCA.

Sharp lower contact at 80 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
199.93	202.10	W	-	-	W	-	-	W

Moderate Fe-carbonate as bedding parallel wisps; weakly chlorite-sericite altered.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
199.93	202.10	2.5	LB						

2-3% pyrite; this comes from the several thin bands (less than 2 cm thick) of sericite-silica alteration that occurs sporadically in the interval.

SAMPLES

From	To	Sample
199.93	202.10	*I* 1134167

From	To	Litho	Simple Geo
202.10	**212.55**	**FXTF**	

Intensely altered, medium grey and green, foliated feldspar crystal tuff. Feldspar crystals are sporadic and faintly discernable. Foliation at 70 to 80 TCA. Strong sericite-pyrophyllite(?) alteration, moderate wispy Fe-carbonate alteration to 211.00m. Below this alteration is patchy silicification with weak sericitization. Bull milky quarz veins noted centered at 204.00m (25cm thick) and at 204.57m (15cm thick). Overall, 10% pyrite as heavy disseminations and semi-massive to massive bands. Sharp lower contact at 67 TCA.

STRUCTURES

From	To	Struct	CA	Strain
202.10	212.54	FOL	75	M
212.54	212.55	CT	67	M

Foliation at 70 to 80 TCA. (202.10–212.54)

Sharp lower contact at 67 TCA. (212.54–212.55)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
202.10	211.00	S	-	-	S	-	-	W
211.00	212.55	M	-	-	W	-	-	-

Strong sericite-pyrophyllite(?) alteration, moderate wispy Fe-carbonate alteration (202.10–211.00)

patchy silicification with weak sericitization. (211.00–212.55)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
202.10	212.55	10	LB						

10% pyrite as heavy disseminations and semi-massive to massive bands.

SAMPLES

From	To	Sample	
202.10	204.19	I	1134168
204.19	206.28	I	1134169
206.28	208.37	I	1134170
208.37	208.37	I	1134171
208.37	210.46	I	1134172
210.46	212.55	I	1134173

From	To	Litho	Simple Geo
212.55	**213.43**	**MSPY**	

Massive pyrite with very minor silica-carbonate bands. 80% massive pyrite. Sharp lower contact at 62 TCA.

STRUCTURES

From	To	Struct	CA	Strain
212.55	213.42	NA		VW

massive

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
212.55	213.43	MSPY	

Massive pyrite with very minor silica-carbonate bands. 80% massive pyrite. Sharp lower contact at 62 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					212.55	213.43	-	-	-	W	-	-	-	212.55	213.43	80	MLB							212.55	213.43	I 1134174
					no significant alteration.									*80% massive pyrite.*												
213.42	213.43	CT	62	VW																						
Sharp lower contact at 62 TCA.																										

From	To	Litho	Simple Geo
213.43	214.10	CBBX	

Weak carbonate-silca breccia. Riddled with wispy sericite bands. 15% pyrite, 5% coarse and splashy chalcopyrite. Irregular lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
213.43	214.09	BX		M																						
weak breccia																										
					213.43	214.10	W	-	-	W	-	-	-	213.43	214.10	15	LB		5					213.43	214.10	I 1134175
					weak sericte alteration																					
214.09	214.10	CT		M																						
Irregular lower contact.																										

From	To	Litho	Simple Geo
214.10	216.54	MSPY	

Faintly bedded massive pyrite. Bedding at 70 to 80 TCA. Very weakly fractured, with quartz and lesser carbonate filling fractures. 85% massive pyrite to 216.06m, 85% massive pyrite, 2% very fine grained chalcopyrite to 216.54m. Lower contact at 70 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								214.10	214.10	I 1134176
																								214.10	215.32	I 1134177
														214.10	216.06	85	MLB									
														85% massive pyrite												
214.10	216.53	BD	75	VW																						
Bedding at 70 to 80 TCA.																										

From	To	Litho	Simple Geo
214.10	**216.54**	**MSPY**	

Faintly bedded massive pyrite. Bedding at 70 to 80 TCA. Very weakly fractured, with quartz and lesser carbonate filling fractures. 85% massive pyrite to 216.06m, 85% massive pyrite, 2% very fine grained chalcopyrite to 216.54m. Lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
216.53	216.54	CT	70	VW

Lower contact at 70 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
214.10	216.54	VW	VW	-	W	-	-	-

very weak quartz and carbonate filling sporadic fractures.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
216.06	216.54	85	MLB		2				

85% massive pyrite, 2% very fine grained chalcopyrite

SAMPLES

From	To	Sample	
215.32	216.54	*I*	1134178

From	To	Litho	Simple Geo
216.54	**217.86**	**MSBX**	

Massive sulphide breccia. In situ, with minor quartz-carbonate and remobilized sulphide matrix. Overall, 10% to 12% coarse chalcopyrite and 4% bornite as remobolized sulphides. 60% massive pyrite. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
216.54	217.85	BX		M
217.85	217.86	CT		M

massive sulphide breccia

Lower contact gradational.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
216.54	217.86	VW	VW	-	W	-	-	-

minor quartz-carbonate

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
216.54	217.86	60	BXF		11	4			

Overall, 10 to 12% coarse chalcopyrite and 4% bornite as remobilized sulphides. 60% massive pyrite.

SAMPLES

From	To	Sample	
216.54	217.20	*I*	1134179
217.20	217.86	*I*	1134180

From	To	Litho	Simple Geo
217.86	**223.55**	**MSPY**	

Massive pyrite. Bedded and locally brecciated with bedding at 70 to 76 TCA. Breccia infill is typically quartz-carbonate. Becoming more of a massive sulphide breccia over last meter to lower contact. Overall 70% massive pyrite and 2%-3% chalcopyrite as sporadic blebs, and as "sheen" suggests, very fine sulphide mud. Lower contact at 55 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample

From	To	Litho	Simple Geo
217.86	**223.55**	**MSPY**	

Massive pyrite. Bedded and locally brecciated with bedding at 70 to 76 TCA. Breccia infill is typically quartz-carbonate. Becoming more of a massive sulphide breccia over last meter to lower contact. Overall 70% massive pyrite and 2%-3% chalcopyrite as sporadic blebs, and as "sheen" suggests, very fine sulphide mud. Lower contact at 55 TCA.

STRUCTURES

From	To	Struct	CA	Strain
217.86	223.54	BD	73	VW

bedding at 70 to 76 TCA.

From	To	Struct	CA	Strain
223.54	223.55	CT	55	VW

Lower contact at 55 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
217.86	223.55	VW	VW	-	W	-	-	-

weak quartz-carbonate-sericite

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
217.86	223.55	70	MS		2.5				

70% massive pyrite and 2-3% chalcopyrite as sporadic blebs, and as "sheen" suggests, very fine sulphide mud

SAMPLES

From	To	Sample	
218.94	220.02	*I*	1134183
220.02	221.10	*I*	1134184
221.10	222.18	*I*	1134185
222.18	222.18	*I*	1134186
222.18	223.55	*I*	1134187

From	To	Litho	Simple Geo
223.55	**226.76**	**SXBX**	

Breccia sulphides consisting of 30% pyrite and 70% largely white quartz-carbonate fragments and matrix. Sulphide and quartz-carbonate fragments are distinct down to 225.15, and milled intervals of quartz-carbonate lithology also noted. Below this the interval appears more intact. 0.25% chalcopyrite also noted. Lower contact sharp at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
223.55	226.75	BD		M

sulphide breccia

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
223.55	226.76	M	W	-	W	-	-	-

quartz-carbonate-sericite.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
223.55	226.76	30	CS		0.25				

30% pyrite as breccia clasts, 0,25% disseminated chalcopyrite.

SAMPLES

From	To	Sample	
223.55	224.62	*I*	1134188
224.62	225.69	*I*	1134189
225.69	226.76	*I*	1134190

From	**To**	**Litho**	**Simple Geo**
223.55	**226.76**	**SXBX**	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
226.75	226.76	CT	75	M
Lower contact sharp at 75 TCA.				

ALTERATION: From | To | INT | CC | DO | SR | AK | SC

MINERALIZATION: From | To | PY% | Style | Min | Min% | Min2 | M2% | Min3 | M3%

SAMPLES: From | To | Sample

From	**To**	**Litho**	**Simple Geo**
226.76	**236.22**	**LTPB**	

Medium to light grey, foliated lapilli tuff with pyrite bands. Overall 16% to 18% pyrite, with massive and semi-massive bands with as high as 65% over 12cm, trace disseminated chalcopyrite. Variably silicified and sericitized; either way, alteration is intense. Foliation parallel Fe-carbonate wisps occur throughout. Foliation at 66 to 72 TCA. Fault gouge zone 8cm thick centered at 231.09m. Lower contact sharp at 65 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
226.76	231.05	FOL	69	W
Foliation at 66 to 72 TCA.				
231.05	231.13	FLT		S
Fault gouge zone 8cm thick centered at 231.09m.				
231.13	236.21	FOL	69	W
Foliation at 66 to 72 TCA.				
236.21	236.22	CT	65	
Lower contact sharp at 65 TCA.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
226.76	236.22	S	W	- M	-	-	M
Generally strong sericite and patchy silica alteration, Fe-carbonate wisps occur throughout.							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
226.76	236.22	17	LB		0.05				
16% to 18% pyrite, with massive and semi-massive bands with as high as 65% over 12cm, trace disseminated chalcopyrite.									

SAMPLES		
From	To	Sample
226.76	229.12	*I* 1134191
229.12	231.48	*I* 1134192
231.48	233.85	*I* 1134193
233.85	236.22	*I* 1134194

From	To	Litho	Simple Geo
236.22	**243.70**	**PBLT**	

Medium grey pyrite-banded lapilli tuff, with with 25% heavily disseminated, laminated and semi-massive to massive pyrite, 0.25% disseminated chalcopyrite. Foliation at 68 to 72 TCA. Intensely altered, with roughly equivalent silicification and sericitization. Weak Fe-carbonate alteration as wisps, and weak pyrophyllite alteration. Sharp lower contact at 55 TCA.

STRUCTURES

From	To	Struct	CA	Strain
236.22	243.69	FOL	70	M
243.69	243.70	CT	55	M

236.22–243.69: *Foliation at 68 to 72 TCA.*

243.69–243.70: *Sharp lower contact at 55 TCA.*

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
236.22	243.70	S	W	-	S	-	-	W

Intense silicification and sericitization. Weak Fe-carbonate alteration as wisps, and weak pyrophyllite alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
236.22	243.70	25	LB		0.25				

25% heavily disseminated, laminated and semi-massive to massive pyrite, 0.25% disseminated chalcopyrite.

SAMPLES

From	To	Sample	
236.22	236.22	*I*	1134195
236.22	238.09	*I*	1134196
238.09	239.96	*I*	1134197
239.96	241.43	*I*	1134198
241.43	243.70	*I*	1134199

From	To	Litho	Simple Geo
243.70	**251.94**	**LLTF**	

Medium to dark green, foliated/bedded lapilli tuff, wth foliation paralleling bedding at 60 to 70 TCA. Weak to moderate chlorite-seicite alteration. Upper 1.5m slightly more altered, and also exhibits wispy foliation parallel Fe-carbonate alteration. Lapilli well flattened (aspect ratio of up to 15:1). 3%-4% stratabound pyrite, mostly as vestiges of the upper hydrothermally altered rocks. Sharp lower contact at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
243.70	251.93	FOL	65	W

foliation paralleling bedding at 60 to 70 TCA

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
243.70	245.20	M	-	-	M	-	-	W

moderate sericite-chlorite alteration, wispy foliation parallel Fe-carbonate alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
243.70	251.94	3.5	LB						

3%-4% stratabound pyrite, mostly as vestiges of the upper hydrothermally altered rocks.

SAMPLES

From	To	Sample	
243.70	245.20	*I*	1134200

From	To	Litho	Simple Geo
243.70	**251.94**	**LLTF**	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
251.93	251.94	CT	75	W

Sharp lower contact at 75 TCA.

ALTERATION								
From	To	INT	CC	DO	SR	AK	SC	
245.20	251.94	M	-	-	M	-	-	-

weak to moderate chlorite-sericite alteration.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
251.94	**254.18**	**LLFT**	

Medium to light green, bedded lapilli-feldspar crystal tuff. Bedding at 65 TCA. Feldspar crystals are a faint cloudy grey-white, with rather diffuse boundaries. Rare chloritized amphibole(?) crystals also noted. Overall alteration is weak chlorite-sericite. 0.1%very fine disseminated pyrite, and 1 thin bed (4cm thick) of fine chloritic tuff contains 1-3mm pyrite concretions. Sharp lower contact at 68 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
251.94	254.17	BD	65	W
254.17	254.18	CT	68	W

Bedding at 65 TCA.

Sharp lower contact at 68 TCA.

ALTERATION								
From	To	INT	CC	DO	SR	AK	SC	
251.94	254.18	W	-	-	W	-	-	-

weak chlorite-sericite alteration.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
251.94	254.18	0.1	DIS						

0.1%very fine disseminated pyrite, and 1 thin bed (4cm thick) of fine chloritic tuff contains 1-3mm pyrite concretions.

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
254.18	**261.34**	**ASHT**	

Light to medium green, weakly chlorite-sericite altered ash tuff. Very rare lapilli noted. Foliated at 65 TCA. 0.25% stratabound pyrite. Sharp lower contact at 65 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
254.18	261.33	FOL	65	W
261.33	261.34	CT	65	W

Foliated at 65 TCA.

Sharp lower contact at 65 TCA.

ALTERATION								
From	To	INT	CC	DO	SR	AK	SC	
254.18	261.34	W	-	-	W	-	-	-

weakly chlorite-sericite altered

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
254.18	261.34	0.25	LB						

0.25% stratabound pyrite.

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
261.34	**267.32**	**LLFT**	

Light to medium green lapilli feldspar crystal tuff. Weak chlorite-sericite alteration. Weakly foliated at 66 to 70 TCA. Similar to the LLTF from 251.94m to 254.18m, but without the altered amphibole crystals. 0.25% stratabound pyrite. Lower contact sharp and irregular.

STRUCTURES

From	To	Struct	CA	Strain
261.34	267.31	FOL	68	W
Weakly foliated at 66 to 70 TCA				
267.31	267.32	CT		W
Lower contact sharp and irregular.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
261.34	267.32	W	-	-	W	-	-	-
Weak chlorite-sericite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
261.34	267.32	0.25	LB						
0.25% stratabound pyrite									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
267.32	**267.80**	**QZVN**	

Milky white, massive bull quartz vein. No significant alteartion, no visible sulphides. Sharp lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
267.32	267.79	NA		-
massive				
267.79	267.80	CT	70	-
Sharp lower contact at 70 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
267.32	267.80	-	-	-	-	-	-	-
No significant alteartion								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
267.32	267.80	0	-						
no visible sulphides									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
267.80	**282.00**	**LLTF**	

Medium to dark green moderately chloritic lapilli tuff. Weakly sericitic and pyrophyllitic(?). Bedding parallels foliation at 66 to 70 TCA. The upper 2 meters, to 270.00m may be a mafic flow (large subhedral to anhedral plagioclase laths), and contains 4%-5% pyrite as 1mm-4mm aggregates. Below this, 0.25% pyrite as sporadic aggregates. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
267.80	270.00	4.5	R						
4%-5% pyrite as 1mm-4mm aggregates.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
267.80	**282.00**	**LLTF**	

Medium to dark green moderately chloritic lapilli tuff. Weakly sericitic and pyrophyllitic(?). Bedding parallels foliation at 66 to 70 TCA. The upper 2 meters, to 270.00m may be a mafic flow (large subhedral to anhedral plagioclase laths), and contains 4%-5% pyrite as 1mm-4mm aggregates. Below this, 0.25% pyrite as sporadic aggregates. End of Hole.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
267.80	282.00	BD	68	W

Bedding parallels foliation at 66 to 70 TCA

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
267.80	282.00	M	-	-	W	-	-	-

moderately chloritic, weakly sericitic and pyrophyllitic(?).

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
270.00	282.00	0.25	DIS						

0.25% disseminated pyrite.

SAMPLES		
From	*To*	*Sample*

Drill Log KC11205

VTEM Target D

Signature: ____________________ Initials: ______

From	To	Litho	Simple Geo
0.00	**6.56**	**OVBD**	

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	6.56	NA		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
0.00	6.56	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	6.56	0	-						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
6.56	**12.00**	**SILT**	

Charcoal grey, bedded siltstone to mudstone. Bedding at 70 to 74 TCA. Silicified to 9.15m. No visible sulphides. Lower contact in blocky, broken core.

STRUCTURES

From	To	Struct	CA	Strain
6.56	11.99	BD	72	VW
Bedding at 70 to 74 TCA.				
11.99	12.00	CT		VW
Lower contact in blocky, broken core.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
6.56	9.15	M	-	-	-	-	-	-
silicified to 9.15m								
9.15	12.00	-	-	-	-	-	-	-
no significant allteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.56	12.00	0	-						
no visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
12.00	**35.93**	**FXTF**	

Dark to medium grey-green foliated feldspar-hornblende crystal tuff. Foliation at 70 TCA. Matrix is weakly to moderately chloritized. Riddled with randomly oriented carbonate veins filling fractures, joints and tension gashes. Feldspar crystals are cloudy grey to white and subhedral. Hornblende crystals are generally euhedral to subhedral and moderately to strongly chloritized; hornblende crystals become more altered downhole and exhibit very faint, hazy outlines. Crystals generally aligned parallel to foliation. Below 27.0m, unit becomes bleached, very weakly epidotized, and crystals are very faint, but discernible. No visible sulphides. Lower contact at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
12.00	27.00	W	W	-	-	-	-	-
weakly to moderately chloritic								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
12.00	**35.93**	**FXTF**	

Dark to medium grey-green foliated feldspar-hornblende crystal tuff. Foliation at 70 TCA. Matrix is weakly to moderately chloritized. Riddled with randomly oriented carbonate veins filling fractures, joints and tension gashes. Feldspar crystals are cloudy grey to white and subhedral. Hornblende crystals are generally euhedral to subhedral and moderately to strongly chloritized; hornblende crystals become more altered downhole and exhibit very faint, hazy outlines. Crystals generally aligned parallel to foliation. Below 27.0m, unit becomes bleached, very weakly epidotized, and crystals are very faint, but discernible. No visible sulphides. Lower contact at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
12.00	35.92	FOL	70	W
35.92	35.93	CT	75	VW

Foliation at 70 TCA. (12.00–35.92)

Lower contact at 75 TCA. (35.92–35.93)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
27.00	35.93	VW	VW	-	-	-	-	-

very weakly epidotized

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
12.00	35.93	0	-						

No visible sulphides.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
35.93	**48.69**	**MDS**	

Charcoal grey, massive to faintly bedded weakly to moderately graphitic mudstone with interbedded drab grey-green mudstone. Bedding at 85 TCA, and best observed at graphitic mudstone-grey mudstone contact. Also, very rare and very small scale isoclinal folds (fold axes planar with bedding) noted. Interbedded tuffaceous sediment noted. One unusual example is at 37.90m to 38.15m, where medium grained feldspar crystal tuff contains angular and elongate fragments of the graphitic mudstone (may be a feldspar porphyry, and not a tuff). Mudstone is spotted with small white concretions (not calcite or silica). Sharp lower contact at 80 TCA. Overall 1% streaky pyrite laminae.
40.07m to 40.82m: drab grey-green mudstone.
45.00m to 48.69m: drab grey-green mudstone, locally tuffaceous; at the upper contact it appears to be gradational with the graphitic mudstone.

STRUCTURES

From	To	Struct	CA	Strain
35.93	48.68	BD	85	M
48.68	48.69	CT	80	VW

Bedding at 85 TCA (35.93–48.68)

Sharp lower contact at 80 TCA. (48.68–48.69)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
35.93	48.69	-	-	-	-	-	-	-

no significant alteration

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
35.93	48.69	1	LB						

1% streaky pyrite laminae.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
48.69	89.32	FXTF	

Pale drab grey-green, foliated feldspar-hornblende crystal tuff, as per FXTF from 27.00m to 35.93m. The colour suggests weak to moderate epidote-sericite alteration. Foliation at 52 to 65 TCA. Plagioclase crystals are cloudy and altered (sericite). Hornblende crystals are very faint to moderately faint, variably chloritized and essentially "streaked out" parallel to foliation. Unit is overall quite uniform, but becomes increasingly chloritic from 74.14m to 84.12m, before grading back into epidote-sericite dominant. Low angle (12 TCA) milky to cloudy grey barren quartz vein noted from 67.25m to 67.81m. Very minor random carbonate veins filling joints and fractures. Trace pyrite noted on and around fractures. 20cm chert band centered at 85.10m contains 2-3% disseminated pyrite. Lower contact sharp at 68 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
48.69	67.00	FOL	65	VW
foliation at 65 TCA				
67.00	89.31	FOL	56	VW
foliation at 52 to 60 TCA.				
89.31	89.32	CT	68	VW
lower contact at 68 TCA.				

ALTERATION

From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
48.69	74.14	W	-	-	W	-	-	-
weak epidote-sericite alteration.								
74.14	84.12	M	-	-	W	-	-	-
moderate chlorite and weak sericite alteration.								
84.12	89.32	M	-	-	W	-	-	-
moderate sericite alteration and weak epidote alteration.								

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
48.69	89.32	0.05	DIS						
Trace pyrite noted on and around fractures.									

SAMPLES

From	*To*	*Sample*

From	To	Litho	Simple Geo
89.32	94.99	CHRT	

Pale (drab) grey-green and charcoal-coloured bedded chert. Core is quite blocky. Bedding at 48 to 54 TCA and chert is either bedded at 1 to 3cm scale or is massive. 1% pyrite overall as 1-3mm long stratabound streaks. Lower contact sharp at 72 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
89.32	94.98	BD	51	VW
bedding at 48 to 54 TCA.				
94.98	94.99	CT	72	VW
sharp lower contact at 72 TCA				

ALTERATION

From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
89.32	94.99	-	-	-	W	-	-	-
No alteration visible								

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
89.32	94.99	1	LB						
1% pyrite overall as 1-3mm long stratabound streaks.									

SAMPLES

From	*To*	*Sample*

From	To	Litho	Simple Geo
94.99	**98.43**	**FXAT**	

Pale green-cream coloured well-foliated feldspar crystal ash tuff. Foliated at 58 to 64 TCA. Moderately to strongly sericitic, very weakly epidote altered. Feldspar crystals are locally discernible and are generally small and often broken. Minor interbedded chert, and a single, <10cm thick, lapilli tuff interbed noted. Fault gouge zone noted from 96.00m to 96.30m. 0.25% disseminated pyrite. Sharp lower contact at 72 TCA.

STRUCTURES

From	To	Struct	CA	Strain
94.99	96.00	FOL	61	VW
Foliated at 58 to 64 TCA.				
96.00	96.30	FLT		S
Fault gouge zone				
96.30	98.42	FOL	61	W
Foliated at 58 to 64 TCA.				
98.42	98.43	CT	72	W
Sharp lower contact at 72 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
94.99	98.43	S	-	-	S	-	-	-
Moderately to strongly sericitic, very weakly epidote altered.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
94.99	98.43	0.25	DIS						
0.25% disseminated pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
98.43	**100.78**	**SILT**	

Charcoal grey, very faintly bedded graphitic siltstone to mudstone. Bedding at 65 TCA. Silicified to 99.70m. 1.5% pyrite as concretions, nodules, fracture coatings and laminations. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
98.43	100.77	BD	65	VW
Bedding faint at 65 TCA				
100.77	100.78	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
98.43	99.70	M	-	-	VS	-	-	-
moderately silicified								
99.70	100.78	M	-	-	VS	-	-	-
no significant alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
98.43	100.78	1	NOD						
.5% pyrite as concretions, nodules, fracture coatings and laminations.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
100.78	**101.46**	**FXAT**	

Light grey fine to medium grained feldspar crystal ash tuff. Feldspar crystals are cloudy grey-blue subhedral and 1-2mm in size, set in a fine tuffaceous, weakly sericite altered matrix. Trace pyrite. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
100.78	101.45	NA		W
massive				
101.45	101.46	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
100.78	101.46	W	-	-	W	-	-	-
weakly sericite altered matrix							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
100.78	101.46	0.05	DIS						
Trace pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
101.46	**110.11**	**SILT**	

Charcoal grey to black graphitic siltstone to mudstone with minor interbedded lapilli and quartz feldspar crystal tuff.Weakly to moderately graphitic and locally brecciated (soft sediment deformation). Bedding at 60 TCA. 3% disseminated and nodular pyrite, as expected, more abundant in the more graphitic intervals. Sharp lower contact at 65 TCA; bedding truncated by slippage.

STRUCTURES

From	To	Struct	CA	Strain
101.46	110.10	BD	60	W
bedding at 60 TCA				
110.10	110.11	CT	65	M
sharp lower contact at 65 TCA; bedding truncated by slippage.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
101.46	110.11	-	-	-	-	-	-	-
no obvious alteration							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
101.46	110.11	3	NOD						
3% disseminated and nodular pyrite.									

SAMPLES

From	To		Sample
107.61	109.11	*I*	134203
109.11	110.11	*I*	134204

From	To	Litho	Simple Geo
110.11	**112.92**	**LTPB**	

Light to medium grey lapilli tuff with pyite bands. Bedding parallels foliation at 70 TCA. Strongly silicified, weakly sericitized. Lapilli are rare, and are lensoidal. Overall, 15% pyrite as laminations, semi-massive bands up to 2cm thick. 0.25% chalcopyrite. Sharp lower contact at 70 TCA

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To		Sample
110.11	111.52	*I*	134205

From	To	Litho	Simple Geo
110.11	**112.92**	**LTPB**	

Light to medium grey lapilli tuff with pyite bands. Bedding parallels foliation at 70 TCA. Strongly silicified, weakly sericitized. Lapilli are rare, and are lensoidal. Overall, 15% pyrite as laminations, semi-massive bands up to 2cm thick. 0.25% chalcopyrite. Sharp lower contact at 70 TCA

STRUCTURES: From | To | Struct | CA | Strain — ALTERATION: From | To | INT | CC | DO | SR | AK | SC — MINERALIZATION: From | To | PY% | Style | Min | Min% | Min2 | M2% | Min3 | M3% — SAMPLES: From | To | Sample

110.11 112.91 BD 70 W

bedding // foliation at 70 TCA

110.11 112.92 S - - W - - -

strong silicification, weak sericite alteration.

110.1112.92 15 LB 0.25

5% pyrite as laminations, semi-massive bands up to 2cm thick. 0.25% chalcopyrite.

111.52 112.92 I 134206

112.91 112.92 CT 70 W

sharp lower contact at 70 TCA

From	To	Litho	Simple Geo
112.92	**117.78**	**LLTF**	

Light to medium green, bedded lapilli tuff. Bedding at 70 TCA. Matrix is moderately sericitic. Lapilli are elongate lensoidal greenish-stained and siliceous, or charcoal grey soft, chloritic. Trace streaky pyrite along laminations. Sharp lower contact at 43 TCA.

STRUCTURES: From | To | Struct | CA | Strain — ALTERATION: From | To | INT | CC | DO | SR | AK | SC — MINERALIZATION: From | To | PY% | Style | Min | Min% | Min2 | M2% | Min3 | M3% — SAMPLES: From | To | Sample

112.92 112.92 I 134207

112.92 114.42 I 134208

112.92 117.77 BD 70 VW

Bedding at 70 TCA.

112.92 117.78 M - - W - - -

Matrix is moderately sericitic.

112.9217.78 0.05 LB

Trace streaky pyrite along laminations.

114.42 115.42 I 134209

117.77 117.78 CT 43 VW

Sharp lower contact at 43 TCA.

From	To	Litho	Simple Geo
117.78	**118.63**	**FXTF**	

Light grey-green feldspar hornblende crystal tuff. Bedding at 68 TCA. Weak sericite-epidote alteration. Trace pyrite. Sharp lower contact at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
117.78	118.62	BD	68	VW
Bedding at 68 TCA.				
118.62	118.63	CT	65	VW
Sharp lower contact at 65 TCA				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
117.78	118.63	W	-	-	W	-	-	-
Weak sericite-epidote alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
117.78	118.63	0.05	DIS						
Trace pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
118.63	**121.91**	**LLTF**	

Light to medium green, bedded lapilli tuff as per 112.92m to 117.78m. Bedding at 70 TCA. 0.1% disseminated and very rare aggregate pyrite. Sharp lower contact at 56 TCA.

STRUCTURES

From	To	Struct	CA	Strain
118.63	121.90	BD	70	VW
Bedding at 70 TCA.				
121.90	121.91	CT	56	VW
Sharp lower contact at 56 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
118.63	121.91	W	-	-	W	-	-	-
weak sericite-epidote alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
118.63	121.91	0.1	DIS						
0.1% disseminated and very rare aggregate pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
121.91	**165.00**	**GBBR**	

Very dark green, massive (except where flow-banded) medium grained gabbro. Moderate to strong epidote alteration, moderate chloritization. Plagioclase-pyroxene-hornblende porphyritic. Plagioclase crystals are moderately to strongle saussertitized. Pyroxene crystals are moderately to completely chloritized, and hornblende crystals are weakly to moderately chloritized. The groundmass is moderately epidote altered. Flow banded/flow bedded inetrvals are common, and grade into the dominant massive variant of the gabbro. Sporadic carbonate veins filling fractures and joints, and very rare hematite fractures noted. Fault gouge and breccia noted at from 155.40m to 156.30m. Trace pyrite overall. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain
121.91	155.40	NA		VW
massive with localized flow banded/bedded intervals.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
121.91	**165.00**	**GBBR**	

Very dark green, massive (except where flow-banded) medium grained gabbro. Moderate to strong epidote alteration, moderate chloritization. Plagioclase-pyroxene-hornblende porphyritic. Plagioclase crystals are moderately to strongle sausseritized. Pyroxene crystals are moderately to completely chloritized, and hornblende crystals are weakly to moderately chloritized. The groundmass is moderately epidote altered. Flow banded/flow bedded inetrvals are common, and grade into the dominant massive variant of the gabbro. Sporadic carbonate veins filling fractures and joints, and very rare hematite fractures noted. Fault gouge and breccia noted at from 155.40m to 156.30m. Trace pyrite overall. End of Hole.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
155.40	156.30	FLT		M
Fault gouge and breccia.				
156.30	165.00	NA		VW
massive with localized flow banded/bedded intervals.				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
121.91	165.00	M	-	-	-	-	-	-
Moderate to strong epidote alteration, moderate chloritization.								

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
121.91	165.00	0.05	DIS						
Trace pyrite overall.									

SAMPLES		
From	*To*	*Sample*

Drill Log KC11206

VTEM Target E

Signature: ____________________________ Initials: ________

From	To	Litho	Simple Geo
0.00	**5.50**	**OVBD**	

Casing/Overburden

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
0.00	5.50	NA			0.00	5.50	-	-	-	-	-	-	-	0.00	5.50	0	-									

From	To	Litho	Simple Geo
5.50	**25.13**	**FXTF**	

Medium charcoal grey, moderately to weakly foliated (parallels bedding?) coarse grained feldspar-hornblende crystal tuff. Foliation at 65 TCA approximately 23.00m, and at 55 TCA to 25.13m. Alteration is weak to moderate chlorite-weak epidote. Feldspar crystals are variable size, weakly epidote altered and anhedral to euhedral. Some very narrow (5cm or less) intervals with randomly oriented plagioclase laths may indicate flows rather than tuff. Hornblende crystals are variable streaked parallel to foliation. Very minor carbonate filling joints and fractures. Trace very fine disseminated pyrite. Lower contact indistinct.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
5.50	23.00	FOL	65	VW																						
	bedding at 65 TCA																									
					5.50	25.13	W	-	-	-	-	-	-	5.50	25.13	0.05	DIS									
					weak chlorite-epidote alteration									*Trace very fine disseminated pyrite.*												
23.00	25.12	FOL	55	VW																						
	bedding at 55 TCA																									
25.12	25.13	CT		VW																						
	lower contact indistinct																									

From	To	Litho	Simple Geo
25.13	**29.95**	**DYKE**	

Light grey to grey-beige, fine grained, massive and fresh, moderately magnetic feldspar-hornblende porphyry. Composed of 15% subhedral to anhedral 1mm-2mm cream white plagioclase crystals and 5%-7% fresh euhedral to subhedral, 1mm-3mm hornblende crystals in a fine-grained to aphaniitc groundmass. Brownish oxidation haloes, maximum thickness of 25cm, noted associated with fractures in 4 locations. Very minor carbonate infilling rare low angle joints. No visible sulphides. Upper contact indistinct, but chilled. Lower contact sharp and chilled, at 57 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
25.13	29.94	NA		VW																						
		massive																								
					25.13	29.95	-	-	-	-	-	-	-	25.13	29.95	0	-									
					no significant alteration									*no visible sulphides.*												

From	To	Litho	Simple Geo
25.13	**29.95**	**DYKE**	

(Continued from previous page)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*		*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
29.94	29.95	CT	57	VW																						
Lower contact sharp and chilled, at 57 TCA.																										

From	To	Litho	Simple Geo
29.95	**30.90**	**GBBR**	

Dark green-grey, chloritized plagioclase porphyritic gabbroic flow. Sporadic and euhedral placioclase laths, randomly oriented, noted throughout. No visible sulphides. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*		*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
29.95	30.89	NA		VW																						
massive																										
					29.95	30.90	M	-	-	-	-	-	-	29.95	30.90	0	-									
					moderately chloritized																					
30.89	30.90	CT		VW																						
Lower contact in broken core.																										

From	To	Litho	Simple Geo
30.90	**31.94**	**ASHT**	

Medium grey, ash tuff with interbedded chert. Weak epidote-chlorite alteration. Bedding at 55 TCA. Trace pyrite. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*		*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
30.90	31.93	BD	55	VW																						
Bedding at 55 TCA.																										
					30.90	31.94	W	-	-	-	-	-	-	30.90	31.94	0.05	DIS									
					Weak epidote-chlorite alteration.									*Trace pyrite.*												
31.93	31.94	CT		VW																						
Lower contact in broken core																										

From	To	Litho	Simple Geo
31.94	**35.73**	**FXTF**	

Very pale green-grey foliated and strongly sericitized, weakly calcareous feldspar crystal tuff. Feldspar crystals are soft,pale grey-green and cloudy (highly altered). Lithology is practically a sericite schist. Interbedded graphitic mudstone ((2cm thick bed centered at 34.60m) and minor chert noted. Foliated at 55 to 75 TCA. No visible sulphides to 33.4m. Below this 1.5% streaky pyrrhotite. Sharp lower contact at 65 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
													31.94	35.70	0	-					PO	1.5			
													1.5% streaky pyrrhotite.												
31.94	35.72	BD	65	VW																					
Bedding at 55 to 75 TCA																									
					31.94	35.73	S	W	- -	-	-	-													
					strongly sericitized, weakly calcareous																				
													35.70	35.73	0	-					PO	1.5			
													1.5% streaky pyrrhotite.												
35.72	35.73	CT	65	VW																					
Sharp lower contact at 65 TCA.																									

From	To	Litho	Simple Geo
35.73	**36.60**	**CARB**	

Pale grey, medium grained bedded carbonate - not sure if this is a true limestone or a carbonate exhalite. Bedding at 55 TCA. Minor interbedded fine grained chloritic tuff. 0.5% pyrite paralleling bedding. Sharp lower contact at 55 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
35.73	36.59	BD	55	VW																					
Bedding at 55 TCA																									
					35.73	36.60	-	W	- -	-	-	-	35.73	36.60	0.5	LB									
					no alteration of note								*0.5% pyrite paralleling bedding*												
36.59	36.60	CT	55	W																					
Sharp lower contact at 55 TCA.																									

From	To	Litho	Simple Geo
36.60	**37.81**	**LLTF**	

Light grey-green, bedded, weakly sericitic lapilli tuff with sporadic sericitized and siliceous lapilli. Bedding at 55 TCA. 2% pyrrhotite, 0.25% pyrite along bedding planes. Sharp lower contact at 50 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample

From	To	Litho	Simple Geo
36.60	37.81	LLTF	

Light grey-green, bedded, weakly sericitic lapilli tuff with sporadic sericitized and siliceous lapilli. Bedding at 55 TCA. 2% pyrrhotite, 0.25% pyrite along bedding planes. Sharp lower contact at 50 TCA.

STRUCTURES

From	To	Struct	CA	Strain
36.60	37.80	BD	55	VW
Bedding at 55 TCA				
37.80	37.81	CT	50	VW
Sharp lower contact at 50 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
36.60	37.81	W	-	-	W	-	-
weakly sericitic							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
36.60	37.81	0.25	LB					PO	2
2% pyrrhotite, 0.25% pyrite along bedding planes									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
37.81	43.43	QXTF	

Pale green, weakly sericite altered quartz crystal tuff with 15% to 20% blue and blue-grey quartz crystals; these are aligned along longer axis, defining a crude bedding at 65 TCA. Overall, quite homogeneous except becoming weakly chloritic over basal 1 meter. Trace blebby pyrite. Sharp lower contact at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
37.81	43.42	BD	65	VW
Crude bedding at 65 TCA.				
43.42	43.43	CT	65	VW
Sharp lower contact at 65 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
37.81	42.45	W	-	-	W	-	-
weakly sericitic.							
42.45	43.43	W	-	-	W	-	-
weakly sericitic and weakly chloritic.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
37.81	43.43	0.05	BLB						
Trace blebby pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
43.43	49.19	GMDS	

Charcoal grey to near black, bedded, variably graphitic mudstone with minor interbedded tuffaceous sandstone. Bedding at 68 TCA. Strongly graphitic from 43.75m to 47.00m. Very minor, poorly devleloped carbonate lenses throughout. Over 2%-3% pyrite as discontinuous laminae. Lower contact sharp at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
43.43	49.19	GMDS	

Charcoal grey to near black, bedded, variably graphitic mudstone with minor interbedded tuffaceous sandstone. Bedding at 68 TCA. Strongly graphitic from 43.75m to 47.00m. Very minor, poorly devleloped carbonate lenses throughout. Over 2%-3% pyrite as discontinuous laminae. Lower contact sharp at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
43.43	49.18	BD	65	VW
49.18	49.19	CT	65	VW

Bedding at 68 TCA. (43.43–49.18)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
43.43	49.19	W	W	-	VW	-	-	-

very weak sericite within tuffaceous interbeds, weakly calcareous

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
43.43	49.19	2.5	LB						

2%-3% pyrite as discontinuous laminae

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
49.19	57.40	LLTF	

Medium green, variably altered, bedded lapilli tuff. Bedding at 70 to 80 TCA between 49.19m to 54.50m, and at 65 TCA to 57.40m. Quartz crystal tuff interbeds from 54.00m to 54.27m. The lapilli tuff is chloritic and calcareous to 55.34m with no visible sulphides, and a sharp lower contact. Below this, still a lapilli tuff, but is siliceous, or silicified, with extremely silica-rich lapilli, and 5% banded and fracture-controlled pyrrhotite (up to 15% over basal 10cm) Sharp lower contact at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
49.19	54.40	BD	75	VW
54.40	57.39	BD	65	VW
57.39	57.40	CT	75	VW

Bedding at 70 to 80 TCA. (49.19–54.40)

Bedding at 65 TCA. (54.40–57.39)

Lower contact at 65 TCA. (57.39–57.40)

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
49.19	55.34	M	W	-	VW	-	-	-
55.34	57.40	M	-	-	-	-	-	-

moderately chlroitic, weakly calcareous (49.19–55.34)

moderately silicified (55.34–57.40)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
49.19	55.34	0	-						
55.34	57.40	0	-					PO	5

no visible sulphides. (49.19–55.34)

5% banded and fracture-controlled pyrrhotite (locally 15% over 10cm) (55.34–57.40)

SAMPLES

From	To	Sample	
52.84	53.84	I	134210
53.84	55.34	I	134211
55.34	56.37	I	134212
56.37	57.40	I	134213

From	To	Litho	Simple Geo
57.40	**58.87**	**FQXT**	

Pale green, moderately sericitic feldspar quartz crystal ash tuff. Crystals are 1mm to 2mm in size with feldspar>quartz. The matrix is moderately sericitized. Weakly bedded at 65 TCA. A single, 6cm milky quartz vein noted. Disseminated pyrite and pyrrhotite occur to 0.1%. Sharp lower contact at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
57.40	58.86	BD	65	VW

Weak bedding at 65 TCA.

From	To	Struct	CA	Strain
58.86	58.87	CT	65	VW

sharp lower contact at 65 TCA

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
57.40	58.87	M	-	-	M	-	-	-

moderately sericitic

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
57.40	58.87	0.1	DIS					PO	0.1

0.1% disseminated pyrite and pyrrhotite.

SAMPLES

From	To	Sample	
57.40	57.40	*I*	134214
57.40	58.87	*I*	134215

From	To	Litho	Simple Geo
58.87	**71.55**	**LTPB**	

Light to medium grey, well bedded lapilli tuff with banded, disseminated and massive pyrite. Moderate to strong sericite alteration and patchy silicification to 65.92m. Moderately to strongly silicified with weak sericitite alteration from 65.92m to 68.25m, and moderately sericitized with patchy silicification from 65.92m to lower contact. Bedding is overprinted by alteration, but appears that bedding and foliation are parallel and at 65 to 75 TCA. Peculiar resinous looking (rusty red garnet coloured) millimeter-thick laminations occur throughout and are iinvariable associated with pyrite bands. May be an iron carbonate replacement? Overall, 10%-12% disseminated, laminated, banded and massive pyrite. Massive pyrite beds occur at the upper contact from 58.87m to 58.97m, and at 60.96m to 61.08m. Trace chalcopyrite. Sharp lower contact at 70 TCA.
65.30m to 65 .56m: Milky white quartz vein with contacts at 75 to 80 TCA. Has a 1cm to 3cm thick band of coarse aggregate and recrystallized cubic pyrite.

STRUCTURES

From	To	Struct	CA	Strain
58.87	71.54	FOL	70	W

foliation // bedding at 65 to 75 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
58.87	65.92	S	-	-	S	-	-	-

Moderate to strong sericite alteration and patchy silicification

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
58.87	71.55	11	LB		0.05				

10%-12% disseminated, laminated, banded and massive pyrite, as noted; trace chalcopyrite.

SAMPLES

From	To	Sample	
58.87	59.17	*I*	134216
59.17	60.96	*I*	134217
60.96	61.29	*I*	134218
61.29	61.29	*I*	134219

From	To	Litho	Simple Geo
58.87	71.55	LTPB	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
71.54	71.55	CT	70	W

Sharp lower contact at 70 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
65.92	68.25	S	-	-	W	-	-	-

Moderately to strongly silicified with weak sericitite alteration

From	To	INT	CC	DO		SR	AK	SC
68.25	71.55	S	-	-	S	-	-	-

Moderate to strong sericite alteration and patchy silicification

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
67.44	69.49	*I*	134223
69.49	69.49	*I*	134224
69.49	71.55	*I*	134225

From	To	Litho	Simple Geo
71.55	75.20	QXTF	

Light grey-green massive fine quartz crystal tuff. The quartz crystals here are conspicuously smaller than in typical QXTF, occuring to 20% as 1mm-3mm blue subrounded crystals. Weak sericite and very weak chlorite alteration. Minor milky quartz veining. 2%-3% pyrite as coarse disseminated cubes and as sporadic joint and fracture fillings. Sharp lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
71.55	75.19	NA		VW

massive

From	To	Struct	CA	Strain
75.19	75.20	CT	70	

Sharp lower contact at 70 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
71.55	75.20	W	-	-	W	-	-	-

Weak sericite and very weak chlorite alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
71.55	75.20	2.5	DIS						

2%-3% pyrite as coarse disseminated cubes and as sporadic joint and fracture fillings.

SAMPLES

From	To	Sample	
71.55	73.05	*I*	134226
73.05	74.05	*I*	134227
74.05	74.05	*I*	134228

From	To	Litho	Simple Geo
75.20	**97.37**	**LLTF**	

Medium to light grey, relatively homogeneous lapilli tuff. Bedding at 72 to 80 TCA. Weakly sericitic down to 91.20m, patchy silicification below this to the lower contact. Local intervals are crowded lapilli tuff. Unit is devoid of veining, and contains approximately 0.1% pyrite as scattered disseminations and concretions. Lower contact sharp at 40 TCA.

STRUCTURES

From	To	Struct	CA	Strain
75.20	97.36	BD	76	VW
Bedding at 72 to 80 TCA.				
97.36	97.37	CT	40	VW
Lower contact sharp at 40 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
75.20	91.20	W	-	-	W	-	-	-
Weakly sericitic								
91.20	97.37	M	-	-	W	-	-	-
moderate to patchy silicification								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
75.20	97.37	0.1	DIS						
0.1% pyrite as scattered disseminations and concretions.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
97.37	**183.00**	**GBBR**	

Very dark green to charcoal, strong epidote-moderate to weak chlorite altered. Upper 3m are chilled to a fine grained plagioclase porphyritic phase. Minor carbonate and quartz veining. Trace pyrite overall. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain
97.37	183.00	NA		
massive, locally flow bedded				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
97.37	183.00	M	-	-	-	-	-	-
moderate to strong epidote-weak to moderate chlorite								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
97.37	183.00	0.05	DIS						
Trace pyrite overall.									

SAMPLES

From	To	Sample

Drill Log KC11207

VTEM Target M

Signature: ____________________ Initials: ________

From	To	Litho	Simple Geo
0.00	**3.05**	**OVBD**	

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	3.05	NA		

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
0.00	3.05	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	3.05	0	-						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
3.05	**16.10**	**LMST**	

Medium grey, faintly bedded limestone. Bedding is at 25 to 45 TCA. The rock is completely shattered (down to 77.4m with 40% to 50% recovery) and contact relationships obscured, but there is fault breccia and rusty gouge common from 5.0m to 15.0m, with fragments of soft tuffaceous material and rhyolite incorpororated into the limestone. The fault appears to be low angle, at 12 to 16 TCA. Trace pyrite. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
3.05	5.00	BD	45	VW
Bedding at 45 TCA.				
5.00	15.00	FLT	14	S
fault breccia and gouge				
15.00	16.09	BD	25	W
Bedding at 25 TCA.				
16.09	16.10	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
3.05	16.10	M	-	-	-	-	-	-
clay alteration in fault								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
3.05	16.10	0.05	DIS						
trace pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
16.10	**40.07**	**CNGL**	

Light to medium green-grey, crudely bedded heterolithic pebble conglomerate. Pebble compositions include rhyolite and/or chert, chloritic ash tuff, crystal tuff, and lapilli tuff. Bedding crudely developed at 20 to 30 TCA. Matrix is very calcareous and Fe-carbonate spotting is common throughout. Entire interval appears within a fault, or at least fault proximal. Recovery very poor (40% to 60%). Trace pyrite. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
16.10	40.06	BD	25	S
Bedding at 20 to 30 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
16.10	**40.07**	**CNGL**	

Light to medium green-grey, crudely bedded heterolithic pebble conglomerate. Pebble compositions include rhyolite and/or chert, chloritic ash tuff, crystal tuff, and lapilli tuff. Bedding crudely developed at 20 to 30 TCA. Matrix is very calcareous and Fe-carbonate spotting is common throughout. Entire interval appears within a fault, or at least fault proximal. Recovery very poor (40% to 60%). Trace pyrite. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					16.10	40.07	S	-	-	-	-	-	M	16.10	40.07	0.05	DIS									
					Matrix is very calcareous and Fe-carbonate spotting is common throughout.									*trace pyrite.*												
40.06	40.07	CT		S																						
Lower contact in broken core.																										

From	To	Litho	Simple Geo
40.07	**42.00**	**MDS**	

Charcoal grey to near black variably graphitic mudstone to siltstone. Bedding is rarely evident, and ranges between 60 to 66 TCA. Core is very broken to crushed (fault proximal). Moderately calcareous, in fact this may have been a carbonaceous limestone bed. Trace pyrite. Lower contact in spun core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
40.07	41.99	BD	63	M																						
Bedding at 60 to 66 TCA.																										
					40.07	42.00	M	M	-	-	-	-	-	40.07	42.00	0.05	DIS									
					moderately calcareous									*trace pyrite.*												
41.99	42.00	CT		M																						
Lower contact in spun core.																										

From	To	Litho	Simple Geo
42.00	**44.80**	**CNGL**	

Pebble conglomerate as per 16.10m to 40.07m. Bedding at 45 TCA. Core rubbled and broken. No visible sulphides. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
42.00	44.79	BD	45	M																						
Bedding at 45 TCA.																										
					42.00	44.80	M	M	-	-	-	-	S	42.00	44.80	0	-									
					moderately calcareous, strong Fe-carbonate alteration.									*no visible sulphides.*												
44.79	44.80	CT		M																						
Lower contact in broken core.																										

From	To	Litho	Simple Geo
44.80	**55.70**	**LMST**	

Mottled grey-white limestone. Essentially an annealed fault breccia to 52.90m, with breccia fragments of the conglomerate and graphitic mudstone incorporated down to 49.65m. Slightly competent below 52.90m. Weak Fe-carbonate patches and staining. No visible sulphides. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
44.80	52.90	FLT		S
annealed fault breccia				
52.90	55.69	NA		M
massive to in situ brecciated				
55.69	55.70	CT		M
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
44.80	55.70	W	M	-	-	-	-	-
Weak Fe-carbonate patches and staining.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
44.80	55.70	0	-						
no visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
55.70	**77.42**	**CNGL**	

Charcoal grey to black moderately to strongly graphitic thin-bedded pebble conglomerate. Bedding at 32 to 40 TCA to 72.00m and at 45 TCA at 77.42m. Unit is heterolithic, with limestone (dominant), rhyolite/chert, and tuffaceous clasts incorporated. Matrix is moderately to strongly graphitic and strongly calcareous. No visible sulphides. Lower contact demarcated by 1cm thick band of fault gouge.

STRUCTURES

From	To	Struct	CA	Strain
55.70	72.00	BD	36	W
Bedding at 32 to 40 TCA.				
72.00	77.41	BD	45	W
Bedding at 45 TCA.				
77.41	77.42	CT		M
Lower contact demarcated by 1cm thick band of fault gouge.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
55.70	77.42	S	S	-	-	-	-	-
Matrix is moderately to strongly graphitic and strongly calcareous.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
55.70	77.42	0	-						
No visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
77.42	**80.61**	**LMST**	

Dark to light grey brecciated limestone. Breccia clasts are limestone, and the breccia could be classified as a hydraulic breccia, annealed by randomly oriented, locally pitted and corroded calcite veins filling fractures. No visible sulphides. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
77.42	80.60	BX		M

hydraulic breccia

From	To	Struct	CA	Strain
80.60	80.61	CT		M

1 cm fault gouge demarcating lower contact

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
77.42	80.61	M	M	-	-	-	-	-

moderate calcite veins annealing breccia.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
77.42	80.61	0	-						

No visible sulphides.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
80.61	**83.37**	**CNGL**	

Medium grey-green pebble conglomerate. Heterolithic, with moderately calcareous matrix. Bedding at 65 TCA. No visible sulphides. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
80.61	83.36	BD	65	VW

Bedding at 65 TCA.

From	To	Struct	CA	Strain
83.36	83.37	CT		VW

Lower contact in broken core.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
80.61	83.37	M	M	-	-	-	-	-

moderately calcareous matrix.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
80.61	83.37	0	-						

No visible sulphides.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
83.37	**120.51**	**GBBR**	

Medium grey, massive plagioclase porphyritic mafic flow. Characterized by randomly oriented, euhedral, weakly to moderately sausseritized plagioclase laths up to 1cm in length and intervals that are pyroxene-hornblende porphyritic as well. Overall less than 10% plagioclase crystals; they become very sparse and/or very faint over several intervals, but are present throughout. Weakly chloritic groundmass. Patchy zones of Fe-carbonate alteration noted, most pronounced from 91.65m to 92.60m. Trace pyrite. Weak chilling over 20 cm at lower contact. Lower contact sharp at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
83.37	91.65	VW	-	-	-	-	-	-

very weakly chloritic.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
83.37	**120.51**	**GBBR**	

Medium grey, massive plagioclase porphyritic mafic flow. Characterized by randomly oriented, euhedral, weakly to moderately sausseritized plagioclase laths up to 1cm in length and intervals that are pyroxene-hornblende porphyritic as well. Overall less than 10% plagioclase crystals; they become very sparse and/or very faint over several intervals, but are present throughout. Weakly chloritic groundmass. Patchy zones of Fe-carbonate alteration noted, most pronounced from 91.65m to 92.60m. Trace pyrite. Weak chilling over 20 cm at lower contact. Lower contact sharp at 80 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
83.37	120.50	NA		VW

massive

From	*To*	*Struct*	*CA*	*Strain*
120.50	120.51	CT	80	VW

Lower contact sharp at 80 TCA.

ALTERATION

From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
91.65	92.60	M	-	-	-	-	-	M

moderate ankerite, very weak chorite alteration

From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
92.60	120.51	W	-	-	-	-	-	-

very weakly chloritic.

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
83.37	120.51	0.05	DIS						

Trace pyrite.

SAMPLES

From	*To*	*Sample*

From	**To**	**Litho**	**Simple Geo**
120.51	**145.90**	**SILT**	

Medium to light drab green bedded volcanic derived siltstone with tuffaceous sandstone and greywacke interbeds. Bedding at 80 to 90 TCA to 139.60m, and at 65 to 71 TCA down to lower contact. Sandy beds are crystal-tuff derived, and the greywacke beds are poorly sorted and contain varied lithic fragments; no grading or other tops indicators evident. However coarse beds are more common in the uphole half of the unit. Overall alteration is very weak sericitization. Lower 3m of lithology is bleached to lower contact. Pyrite occurs to 1.5% as very fine, discontinuous streaky lamina. 0.25% pyrrhotite, same mode of mineralization. Lower contact at 75 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
120.51	139.60	BD	85	VW

Bedding at 80 to 90 TCA

From	*To*	*Struct*	*CA*	*Strain*
139.60	145.89	BD	68	VW

Bedding at 65 to 71 TCA.

From	*To*	*Struct*	*CA*	*Strain*
145.89	145.90	CT	75	VW

Lower contact at 75 TCA.

ALTERATION

From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
120.51	145.90	VW	-	-	VW	-	-	-

very weak sericite alteration.

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
120.51	145.90	1.5	-					PO	0.25

Pyrite occurs to 1.5% as very fine, discontinuous streaky lamina. 0.25% pyrrhotite, same mode of mineralization.

SAMPLES

From	*To*	*Sample*

From	To	Litho	Simple Geo
145.90	**153.63**	**GMDS**	

Black, thin bedded intensely graphitic mudstone. Bedding, where measurable, is at 60 TCA. Upper 1 metre contains a few clasts of crystal tuff. Locally weakly calcareous. Unit is so intensely graphitic from 147.00m to 153.00m that it is a semi-consolidated mud (ie probably turned to a thick slurry with addition of drill water), but NOT fault gouge. 0.25% coarse cubic pyrite. Lower contact at 60 TCA.

STRUCTURES

From	To	Struct	CA	Strain
145.90	153.62	BD	60	W
bedding at 60 TCA.				
153.62	153.63	CT	60	W
contact at 60 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
145.90	153.63	W	W	-	VW	-	-	-
locally weakly calcareous								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
145.90	153.63	0.25	EUH						
0.25% coarse cubic pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
153.63	**156.64**	**MDS**	

Pale grey to very pale grey-green faintly bedded mudstone. Bedding at 60 TCA. 0.5% pyrite as disseminated aggregates and as wispy and discontinuous laminae. Lower contact at 45 TCA.

STRUCTURES

From	To	Struct	CA	Strain
153.63	156.63	BD	60	VW
Bedding at 60 TCA				
156.63	156.64	CT	45	VW
Lower contact at 45 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
153.63	156.64	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
153.63	156.64	0.5	LB						
0.5% pyrite as disseminated aggregates and as wispy and discontinuous laminae.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
156.64	**167.55**	**GMDS**	

Charcoal grey to black moderately to intensely graphitic mudstone with minor interbedded pale grey-green mudstone. Bedding at 75 to 85 TCA. Fault gouge zones noted at 163.20m to 163.40m, 164.11m to 165.00m and 166.45m to 167.00m. Milky quartz veins noted at 161.50m to 161.60m and at 164.10m to 164.35m (crushed in fault zone). Riddled with stratabound carbonate bands. Overall, 3%-4% pyrite as coarse aggregates, mostly associated with the carbonate bands. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
156.64	163.20	BD	80	W
bedding at 75 to 85 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
156.64	158.14	***I***	134229

From	To	Litho	Simple Geo
156.64	**167.55**	**GMDS**	

Charcoal grey to black moderately to intensely graphitic mudstone with minor interbedded pale grey-green mudstone. Bedding at 75 to 85 TCA. Fault gouge zones noted at 163.20m to 163.40m, 164.11m to 165.00m and 166.45m to 167.00m. Milky quartz veins noted at 161.50m to 161.60m and at 164.10m to 164.35m (crushed in fault zone). Riddled with stratabound carbonate bands. Overall, 3%-4% pyrite as coarse aggregates, mostly associated with the carbonate bands. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
163.20	165.00	FLT		S
fault gouge.				
165.00	166.45	BD	80	W
bedding at 75 to 85 TCA.				
166.45	167.00	FLT		S
fault gouge.				
167.00	167.54	BD	80	W
bedding at 75 to 85 TCA.				
167.54	167.55	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
156.64	167.55	W	-	-	-	-	-	-
Riddled with stratabound carbonate bands.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
156.64	167.55	3.5	DIS						
3%-4% pyrite as coarse aggregates, mostly associated with the carbonate bands.									

SAMPLES

From	To	Sample	
158.14	159.14	*I*	134230
159.14	161.14	*I*	134231
161.14	163.14	*I*	134232
163.14	165.14	*I*	134233
165.14	165.14	*I*	134234
165.14	167.55	*I*	134235
167.55	169.05	*I*	134236
169.05	170.55	*I*	134237

From	To	Litho	Simple Geo
167.55	**173.15**	**MDS**	

Light to medium grey bedded mudstone(?) with minor tuffaceous sandy/gritty interbeds and discontinuous calcareous intercalations. Moderately to locally well silicified (or possibly cherty). Bedding at 60 TCA. 3% pyrite as nodules, wisps and disseminations. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
167.55	173.14	BD	60	VW
Bedding at 60 TCA.				
173.14	173.15	CT		VW
Lower contact in broken core.				

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
167.55	173.15	M	VW	-	-	-	-	-
moderate silicification								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
167.55	173.15	3	NOD						
3% pyrite as nodules, wisps and disseminations									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
173.15	**283.33**	**GMDS**	

Thick, monotonous and homogeneous sequence of charcoal grey to black, massive to bedded graphitic mudstone. Bedding at 74 to 78 TCA to 177.30m, and at 66 to 74 TCA to 186.20m. Below this, the unit appears massive down to 247.00m, bedded at 40 to 46 TCA down to 256.00m, massive to 279.00m and bedded at 70 TCA to the lower contact. Cut by numerous thin milky carbonate veins that record deformation, as small scale folds, within the unit. There is also an earlier carbonate vein set that consists of largely dismembered (often pulled apart) pyritic veins. Minor thin (maximum thickness 25cm) coarse to medium grained limestone beds occur infrequently. From 273.50m to lower contact, graphite content wanes, and tuffaceous and crystal tuffaceous interbeds appear. Overall, 4% pyrite associated with carbonate veins, and as coarse disseminated knots throughout. Lower contact gradtional.
257.86m to 258.00m: Quartz-carbonate vein with 7% coarse pyrite.

STRUCTURES

From	To	Struct	CA	Strain
173.15	177.30	BD	76	W
Bedding at 74 to 78 TCA.				
177.30	186.20	BD	70	W
Bedding at 66 to 74 TCA.				
186.20	247.00	NA		W
massive				

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
173.15	283.33	W	W	-	-	-	-	-
weakly calcareous.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
173.15	283.33	4	DIS						
4% pyrite associated with carbonate veins, and as coarse disseminated knots throughout.									

SAMPLES

From	To	Sample	
203.00	205.00	*I*	134238
208.00	210.00	*I*	134239
214.00	216.00	*I*	134240
231.00	233.00	*I*	134241
233.00	233.00	*I*	134242

From	To	Litho	Simple Geo
173.15	283.33	GMDS	

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
247.00	256.00	BD	43	W
Bedding at 40 to 46 TCA,				
256.00	279.00	NA		W
massive				
279.00	283.32	BD	70	W
bedded at 70 TCA				
283.32	283.33	CT		W
gradational lower contact				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample
254.00	256.00	I 134243
275.00	277.00	I 134244

From	To	Litho	Simple Geo
283.33	321.10	SILT	

Dark grey and green siltstone with numerous fine to coarse grained sandy, tuffaceous and greywacke interbeds. No tops indicators. Bedding at 66 to 85 TCA. Weak chlorite alteration. Very minor carbonate banding and spotting. Coarser beds are volcanic derived, and typically contain feldspar and amphibole crystal detritus. Greywacke beds are coarser, with local pebbly intervals that include angular fine ash tuff and siltstone fragments (i.e. locally derived). The coarser sediments contain 2% pyrrhotite as streaks and irregular clots. 1%-2% pyrite and 1% pyrrhotite in the siltstone as disseminations and fracture fills. Lower contact sharp, but irregular.

STRUCTURES				
From	To	Struct	CA	Strain
283.33	304.40	BD	69	VW
Bedding at 66 to 72 TCA.				
304.40	321.09	BD	85	VW
Bedding at 85 TCA.				
321.09	321.10	CT		VW
Lower contact sharp, but irregular.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
283.33	321.10	VW	VW	-	- -	-	-
very weak chloriite alteration and carbonate spotting.							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
283.33	321.10	1.5	DIS					PO	2
1% disseminated pyrite, 2% disseminated and clotty pyrrhotite									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
321.10	**332.78**	**GYWK**	

Medium green, fine to coarse garined greywacke with interbedded, and bedded, siltstone. Bedding at 80 TCA, but rare intervals are at 65 TCA. The greywacke ranges from very fine, relatively homogeneous sand to coarse beds dominated by feldpsar detritus, with less mafic detritis and angular to rounded siltstone, ash tuff and feldspar crystal tuff fragments. Matrix is weakly calcareous. Overall, weakly chloritic. 2%-3% blebby, stratabound and streaky and disseminated pyrrhotite, Trace pyrite associated with rare carbonate veins. Lower contact at 65 TCA.

STRUCTURES

From	To	Struct	CA	Strain
321.10	332.77	BD	80	VW
Bedding at 80 TCA.				
332.77	332.78	CT	65	VW
Lower contact at 65 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
321.10	332.78	VW	VW	-	-	-	-	-
weakly chloritic, greywacke matrix is weakly calcareous.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
321.10	332.78	0.05	SL					PO	2.5
trace pyrite in carbonate veins, 2-%3% blebby, stratabound and streaky and disseminated pyrrhotite,									

SAMPLES

From	To	Sample
329.00	331.00	*I* 134245

From	To	Litho	Simple Geo
332.78	**340.62**	**SILT**	

Pale grey bedded siltstone with interbedded greywacke and tuffaceous sandy beds, as per 283.33m to 321.10m. Bedding at 85 TCA. Greywacke and sandy beds are weakly to moderately calcareous. 3% pyrrhhotite associated with 1mm to 4mm bedding parallel carbonate seams, and as disseminations.. Lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
332.78	340.61	BD	85	VW
Bedding at 85 TCA.				
340.61	340.62	CT	80	VW
Lower contact at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
332.78	340.62	W	W	-	-	-	-	-
weakly calcareous and weakly chloritic.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
332.78	340.62	0	-					PO	3
3% pyrrhhotite associated with 1mm to 4mm bedding parallel carbonate seams, and as disseminations.									

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
340.62	**431.26**	**FXLT**	

Light to medium green, weakly foliated feldspar crystal lithic tuff. Foliation at 35 to 45 TCA. The feldspar crystals occur to 20% to 25% and are 2mm to 5mm in size. Crystals vary from translucent to opaque, are green to grey in colour, and perfectly euhedral (laths) to subhedral. Amphibole and/or pyroxene crystals occur very rarely. The matrix is green and white (sericite-feldsapr-chlorite) and weakly calcareous. Lithic fragments occur infrequently, and consist of lensoidal to angular soft ash tuff, feldspar crytsal tuff and rhyolite/chert lapilli . Sporadic low to moderate angle carbonate veins noted.
356.75m to 372.40m. Mottled, weakly hematite altered, "milled" (weakly brecciated) looking FXLT.
400.75m to 405.70m: "Disturbed" FXLT. Not really brecciated, but looks like slightly disrupted (wave action?) version of the FXLT.
416.20m to 420.40m: A more lithic rich variant of the FXLT. Matrix over this interval is more calcareous. At 418.67m to 418.79m, 6cm carbonate vein at 30 TCA. Vein halo is calcareous over 25cm of upper and lower contact.
421.00m to 427.00m: bleaching and sericitization begins, increasing downhole.
427.00m to 431.29m: Well foliated and moderately to strongly sericitized FXLT(locally sericite schist). Pyrite content increases from trace above 427.00m, to 2-3% disseminated and foliation parallel streaks, and 1% pyrrhotite wisps over this interval.

STRUCTURES

From	To	Struct	CA	Strain
340.62	356.75	BD	40	VW
bedding at 35 to 45 TCA.				
356.75	372.40	BX		VW
weakly brecciated.				
372.40	431.25	BD	40	
bedding at 35 to 45 TCA.				
431.25	431.26	CT	60	
basal contact				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
340.62	427.00	VW	VW	-	VW	-	-	-
very weakly calcareous, very weak-sericite-chlorite alteration								
427.00	431.26	W	VW	-	W	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
340.62	431.26	0	-						

SAMPLES

From	To	Sample
427.00	429.00	*I* 134246
429.00	429.00	*I* 134247
429.00	431.26	*I* 134248

From	**To**	**Litho**	**Simple Geo**
431.26	**433.10**	**QXTF**	

Light, drab green weakly foliated quartz crystal tuff. Weakly foliated at 53 TCA. Weakly sericitic. Abundant rounded grey-blue quartz crystals up to 8mm in diameter to 432.00m. Below this they are very sparse. Minor foliation parallel carbonate veining. 4% pyrrhotite as foliation-parallel bands. 0.25% pyrite as aggregates. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
431.26	**433.10**	**QXTF**	

Light, drab green weakly foliated quartz crystal tuff. Weakly foliated at 53 TCA. Weakly sericitic. Abundant rounded grey-blue quartz crystals up to 8mm in diameter to 432.00m. Below this they are very sparse. Minor foliation parallel carbonate veining. 4% pyrrhotite as foliation-parallel bands. 0.25% pyrite as aggregates. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
431.26	433.09	FOL	53	VW
weakly foliated at 53 TCA				
433.09	433.10	CT		VW
Gradational lower contact				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
431.26	433.10	W	W	-	W	-	-	-
weakly sericitic								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
431.26	433.10	0.25	P					PO	4
4% pyrrhotite as foliation-parallel bands. 0.25% pyrite as aggregates.									

SAMPLES

From	To	Sample
431.26	433.10	*I* 134249

From	To	Litho	Simple Geo
433.10	**483.00**	**FXLT**	

Light to pale green, vey weakly foliated feldspar crystal lithic tuff. Very weakly foliated at 45 to 55 TCA. Weak sericite alteration. Unit is very similar to the FXLT from 340.62m to 431.26m . Lithic fragment types include chert/ rhyolite, ash tuff and silstone. Minor carbonate veining. 1%-2% disseminated pyrite and 2% disseminated pyrrhotite. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain
433.10	483.00	FOL	50	VW
Very weakly foliated at 45 to 55 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
433.10	483.00	W	VW	-	W	-	-	-
Weak sericite alteration, very weakly calcareous.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
433.10	483.00	1.5	DIS					PO	2
1-2% disseminated pyrite and 2% disseminated pyrrhotite.									

SAMPLES

From	To	Sample

Drill Log KC11208

VTEM Target S

Signature: ____________________ Initials: ________

From	To	Litho	Simple Geo
0.00	**9.15**	**OVBD**	

Casing/overburden

STRUCTURES				
From	To	Struct	CA	Strain
0.00	9.15	NA		

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
0.00	9.15	-	-	-	-	-	-	-

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	9.15	0	-						

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
9.15	**14.40**	**GMDS**	

Charcoal grey to black, bedded graphitic mudstone. Bedding at 50 to 56 TCA. Minor carbonate veining. 1% rusty stratabound carbonate. Sharp lower contact at 50 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
9.15	14.39	BD	53	VW
Bedding at 50 to 56 TCA				
14.39	14.40	CT	50	VW
Sharp lower contact at 50 TCA.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
9.15	14.40	-	-	-	-	-	-	-
no significant alteration.								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
9.15	14.40	1	LB						
1% rusty stratabound carbonate.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
14.40	**16.47**	**LMST**	

Mottled light grey massive limestome. Mottling due to variable graphite content throughout (more pronounced to 1 meter below upper contact). No visible sulphide. Lower contact in spun core.

STRUCTURES				
From	To	Struct	CA	Strain
14.40	16.46	NA		VW
massive				
16.46	16.47	CT		VW
Lower contact in spun core.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
14.40	16.47	-	-	-	-	-	-	-
no significant alteration.								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
14.40	16.47	0	-						
No visible sulphide.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
16.47	**88.89**	**GMDS**	

Charcoal grey to black bedded graphitic mudstone. Thin to thick bedded, at 30 to 50 TCA down to 78.85m, and at 65 to 75 TCA down to 88.89m. Riddled with generally low angle carbonate veins, and these are only rarely deformed. Very sporadic limestone beds occur, with a maximum thickness of 25cm. 1%-2% pyrite overall, occuring dominantly as thin (maximum 1mm thick) bedding pararlel wisps and laminae, and as disseminations. Sharp lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
16.47	78.85	BD	40	VW
Bedding at 30 to 50 TCA.				
78.85	88.88	BD	70	VW
Bedding at 65 to 75 TCA.				
88.88	88.89	CT	70	VW
Sharp lower contact at 70 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
16.47	88.89	VW	VW	-	-	-	-	-
very weakly calcareous								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
16.47	88.89	1.5	LB						
1-2% pyrite overall, occuring dominantly as thin (maximum 1mm thick) bedding pararlel wisps and laminae, and as disseminations.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
88.89	**93.30**	**TFWK**	

Greenish brown, massive, fine grained rather non-descript tuffwacke. Likely derived from fine grained feldspar crystal tuff. No visible sulphides. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
88.89	93.29	NA		VW
massive.				
93.29	93.30	CT		VW
gradational lower contact.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
88.89	93.30	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
88.89	93.30	0	-						
no visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
93.30	**96.10**	**LLTF**	

Medium green, bedded lapilli tuff. Bedding at 58 to 64 TCA. Very weak chlorite alteration. Trace disseminated pyrite. Sharp lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
93.30	96.09	BD	63	VW
Bedding at 58 to 64 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
93.30	**96.10**	**LLTF**	

Medium green, bedded lapilli tuff. Bedding at 58 to 64 TCA. Very weak chlorite alteration. Trace disseminated pyrite. Sharp lower contact at 70 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					93.30	96.10	VW	-	-	-	-	-	-	93.30	96.10	0.05	DIS									
					Very week chlorite alteration.									*Trace disseminated pyrite.*												
96.09	96.10	CT	70	VW																						
sharp lower contact at 70 TCA.																										

From	To	Litho	Simple Geo
96.10	**105.14**	**TFWK**	

Medium to light drab green, fine grained tuffwacke with minor interbedded siltstone and lapilli tuff. The tuffwacke is as per 88.89m to 93.30m. Bedding (siltstone interbeds) at 60 to 66 TCA. The lapilli tuff is quite silicic(?) and typically contains bands of medium- to coarse-grained pyrite up to 6mm thick (stratabound). 0.5% pyrite overall, largely as described in the lapilli tuff. Sharp lower contact at 66 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
96.10	105.13	BD	63	VW																						
Bedding (siltstone interbeds) at 60 to 66 TCA.																										
					96.10	105.14	VW	-	-	-	-	-	-	96.10	105.14	0.5	-									
					very weak chlorite alteration.									*0.5% stratabound coarse- to medium-grained pyrite in lapilli tuff.*												
105.13	105.14	CT	66																							
Sharp lower contact at 66 TCA.																										

From	To	Litho	Simple Geo
105.14	**124.20**	**LLTF**	

Medium to light grey, to turquoise green bedded lapilli tuff. Bedding at 60 to 64 TCA. Matrix is dominantly chlorite altered to 110.56m and silicified with very minor sericitization below this to the lower contact. Lapilli are sparse and generally chloritic down to 113.00m, and mostly soft and chloritic and more siliceous (rhyolite/chert/silicified?) and abundant to the lower contact (roughly coincident with overall alteration assemblage). 4% pyrite overall. Pyrite occurs as coarse grained bands, disseminated crystals in the chloritic lapilli tuff, and as fine to dusty disseminations and laminae in the silicified lapilli tuff. Lower contact at 70 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								105.14	107.64	***I*** 134250

From	**To**	**Litho**	**Simple Geo**
105.14	**124.20**	**LLTF**	

Medium to light grey, to turquoise green bedded lapilli tuff. Bedding at 60 to 64 TCA. Matrix is dominantly chlorite altered to 110.56m and silicified with very minor sericitization below this to the lower contact. Lapilli are sparse and generally chloritic down to 113.00m, and mostly soft and chloritic and more siliceous (rhyolite/chert/silicified?) and abundant to the lower contact (roughly coincident with overall alteration assemblage). 4% pyrite overall. Pyrite occurs as coarse grained bands, disseminated crystals in the chloritic lapilli tuff, and as fine to dusty disseminations and laminae in the silicified lapilli tuff. Lower contact at 70 TCA.

STRUCTURES

From	To	Struct	CA	Strain
105.14	124.19	BD	62	VW
Bedding at 60 to 64 TCA				
124.19	124.20	CT	70	VW
Lower contact at 70 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
105.14	110.56	M	-	-	-	-	-	-
moderately chloritic.								
110.56	124.20	M	-	-	VW	-	-	-
moderately silicified, weakly sericitic.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
105.14	124.20	4	LB						
4% pyrite overall as coarse grained bands disseminated crystals in the chloritic lapilli tuff, and as fine to dusty disseminations and laminae in the silicified lapilli tuff.									

SAMPLES

From	To	Sample	
107.64	110.14	*I*	134251
110.14	112.64	*I*	134252
112.64	114.14	*I*	134253
114.14	116.64	*I*	134254
116.64	116.64	*I*	134255
116.64	119.64	*I*	134256
119.64	121.64	*I*	134257
121.64	124.20	*I*	134258

From	To	Litho	Simple Geo
124.20	**139.61**	**GBBR**	

Dark green, fine grained massive mafic flows with interflow ash tuff. Moderately chloritized. Locally feldspar porphyritic, and plagioclase crystals exhibit moderate to strong epidote alteration. Upper 8m of flow is chilled and exhibits weak flow fabric. Riddled with carbonate veins which are pulled apart over upper 3m, lending a lensoidal carbonate "pseudoclast" appearance to the unit. 1%-2% medium to coarse grained disseminated pyrite overall. Sharp lower contact at 80 TCA.
135.40m to 139.61m fine grained mafic flow with interbedded ash tuff. Bedding at 70 TCA.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
124.20	135.40	NA		VW
massive				
135.40	139.60	BD	70	VW
Bedding at 70 TCA.				
139.60	139.61	CT	80	VW
Sharp lower contact at 80 TCA.				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
124.20	139.61	M	-	-	VW	-	-	-
moderately chloritic with patchy epidote alteration								

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
124.20	139.61	1.5	DIS						
1%-2% medium to coarse grained disseminated pyrite overall.									

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
139.61	**140.50**	**LLTF**	

Grey-green siliceous/silicified lapilli tuff with very rare and faint siliceous lapilli. Bedded at 68 TCA. 2% fine to medium grained disseminated pyrite. Sharp lower contact at 70 TCA.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
139.61	140.49	BD	68	VW
Bedded at 68 TCA.				
140.49	140.50	CT	70	VW
Sharp lower contact at 70 TCA.				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
139.61	140.50	M	-	-	-	-	-	-
moderately silicified?								

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
139.61	140.50	2	-						
2% fine to medium grained disseminated pyrite.									

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
140.50	**160.20**	**GBBR**	

Medium to dark green, massive mafic flow. Moderately chloritized and epidotized. Locally plagioclase porphyritic, with epidotized anhedral to rarely euhedral plagioclase crystals reaching up to 3mm in size. Groundmass composed of chlorite-altered pyroxene, with fine felted mats of plagioclase crystals confirming that this is likely a flow. Moderate carbonate veining and "streaking" throughout; this gives the appearamce of a planar fabric to the flow, as the dominant orientation to the veining and streaks is 70 TCA. Overall, trace pyrite. Sharp lower contact at 67 TCA.

STRUCTURES

From	To	Struct	CA	Strain
140.50	160.19	NA		VW
massive				
160.19	160.20	CT	67	VW
Sharp lower contact at 67 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
140.50	160.20	M	-	-	-	-	-	-
moderately chloritized and epidotized.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
140.50	160.20	0.05	DIS						
trace pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
160.20	**161.64**	**LLTF**	

Pale green-buff, extremly siliceous/silicified lapilli tuff with sporadic faint lapilii. Bedded at 66 TCA. 3% fine disseminated pyrite. Lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
160.20	161.63	BD	66	VW
Bedded at 66 TCA.				
161.63	161.64	CT	80	VW
Lower conttact at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
160.20	161.64	S	-	-	-	-	-	-
intensely silicified/siliceous								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
160.20	161.64	3	DIS						
3% fine disseminated pyrite.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
161.64	**169.00**	**GBBR**	

Fine to medium grained massive mafic flow as per 140.50m to 160.20m. Trace disseminated pyrite. Chilled over lower 2 metres to lower contact. Lower contact is 1cm of chloritic gouge.

STRUCTURES

From	To	Struct	CA	Strain
161.64	168.99	NA		VW
massive				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
161.64	169.00	M	-	-	-	-	-	-
moderately chloritic and epidote altered.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
161.64	169.00	0.05	DIS						
trace disseminated pyrite.									

SAMPLES

From	To	Sample
166.50	167.50	*I* 134259

From	**To**	**Litho**	**Simple Geo**
161.64	**169.00**	**GBBR**	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
168.99	169.00	CT		M

chloritic gouge at lower contact

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
169.00	**206.28**	**LLTF**	

Light grey to grey-yellow to near white, moderately to intensely altered lapilli tuff with minor altered ash tuff and feldspar crystal tuff interbeds. Alteration is dominated by silicification with sericite partings occuring every several millimeters to every several centimeters. Beige coloured Fe-carbonate bands paralleling foliation are common throughout. Lapilli are pale grey to white, lensoidal, siliceous and faint; they become less abundant downhole, below 188.00m. Foliation at 58 to 62 TCA. 3% pyrite as fine disseminations and as foliation parallel bands. Lower contact at 67 TCA.
190.80m to 191.10m: annealed fault gouge zone; clay rich.

STRUCTURES

From	To	Struct	CA	Strain
169.00	190.80	FOL	60	VW

Foliation at 58 to 62 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
169.00	206.28	M	-	-	M	-	-	M

Alteration is dominated by silicification with sericite partings occuring every several millimeters to every several centimeters. Beige coloured Fe-carbonate bands paralleling foliation are common throughout.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
169.00	206.28	3	LB						

3% pyrite as fine disseminations and as foliation parallel bands.

SAMPLES

From	To	Sample	
169.00	171.00	I	134261
171.00	173.00	I	134262
173.00	175.00	I	134263
175.00	175.00	I	134264
175.00	177.00	I	134265
177.00	179.00	I	134266
179.00	181.00	I	134267
181.00	183.00	I	134268
183.00	185.00	I	134269
185.00	185.00	I	134270
185.00	186.50	I	134271

From	To	Litho	Simple Geo
169.00	206.28	LLTF	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
190.80	191.10	FLT		S																						
annealed fault gouge zone; clay rich.																										
																							191.00	193.00	I	134274
191.10	206.27	FOL	60	VW																						
Foliation at 58 to 62 TCA.																										
																							193.00	193.00	I	134275
																							193.00	195.00	I	134276
																							195.00	199.00	I	134277
																							199.00	199.00	I	134278
																							199.00	201.00	I	134279
																							201.00	203.00	I	134280
																							203.00	205.00	I	134281
																							205.00	206.28	I	134282
206.27	206.28	CT	67	VW																						
Lower contact at 67 TCA.																										
																							206.28	206.28	I	134283

From	To	Litho	Simple Geo
206.28	213.71	ASHT	

Mottled green and red, banded/foliated and brecciated ash tuff. Folation at 55 to 65 TCA. Moderately to intesely chloritized. Hematite and Fe-carbonate overprint accompanies brecciation of the tuff. Hematite occurs with dolomite in foliation parallel bands and as mattes and angular dark grey (may be extremely fine specularite - has a hematite streak) and matrix replacement. Intense Fe-carbonate banding is pervasive below 212.74m. No visible sulphides. Bleached and extremely Fe-carbonate altered to lower contact, which is at 70 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																							206.28	207.28	I	134284
206.28	209.00	FOL	60	M																						
Folation at 55 to 65 TCA.																										

From	To	Litho	Simple Geo
206.28	**213.71**	**ASHT**	

Mottled green and red, banded/foliated and brecciated ash tuff. Folation at 55 to 65 TCA. Moderately to intesely chloritized. Hematite and Fe-carbonate overprint accompanies brecciation of the tuff. Hematite occurs with dolomite in foliation parallel bands and as mattes and angular dark grey (may be extremely fine specularite - has a hematite streak) and matrix replacement. Intense Fe-carbonate banding is pervasive below 212.74m. No visible sulphides. Bleached and extremely Fe-carbonate altered to lower contact, which is at 70 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					206.28	212.74	S	-	M	-	-	-	W													
					strong chlorite-hematite alteration																					
														206.28	213.71	0	-									
														No visible sulphides.												
																								207.28	208.28	*I* 134285
																								208.28	211.21	*I* 134286
209.00	213.70	BX		S																						
brecciated.																										
																								211.21	212.21	*I* 134287
																								212.21	212.21	*I* 134288
																								212.21	213.71	*I* 134289
					212.74	213.71	S	-	-	-	-	-	-													
					strong hematite-Fe carbonate alteration, weak chlorite alteration																					
213.70	213.71	CT	70	M																						
lower contact at 70 TCA.																										

From	To	Litho	Simple Geo
213.71	**221.45**	**LLTF**	

Light grey and greyish-yellow (alteration dependent) well foliated, variable silicified and sericitized, variably pyritic lapilli tuff with minor ash tuff interbeds. Foliation at 55 to 65 TCA, and roughly parallels bedding. Intense Fe-carbonate alteration persists down to 215.80m. Overall 5%-6% pyrite as foliation parallel bands and heavy fine to medium grained disseminations. Slightly brecciated lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								213.71	215.65	*I* 134290
					213.71	215.80	VS	-	-	W	-	-	VS													
					weqk to moderate sericitization and silicification, intense Fe-carbonate alteration. Lapilli are typically elongate, lensoidal and siliceous.																					

From	To	Litho	Simple Geo
213.71	221.45	LLTF	

Light grey and greyish-yellow (alteration dependent) well foliated, variable silicified and sericitized, variably pyritic lapilli tuff with minor ash tuff interbeds. Foliation at 55 to 65 TCA, and roughly parallels bedding. Intense Fe-carbonate alteration persists down to 215.80m. Overall 5%-6% pyrite as foliation parallel bands and heavy fine to medium grained disseminations. Slightly brecciated lower contact.

STRUCTURES

From	To	Struct	CA	Strain
213.71	221.44	FOL	60	W
Foliation at 55 to 65 TCA.				
221.44	221.45	CT		M
Slightly brecciated lower contact.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
215.80	221.45	M	-	-	M	-	-	M
moderate sericitization and silicification and Fe-carbonate alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
213.71	221.45	5.5	VAR						
5%-6% pyrite as foliation parallel bands and heavy fine- to medium-grained disseminations.									

SAMPLES

From	To	Sample
215.65	217.59	*I* 134291
217.59	219.52	*I* 134292
219.52	221.45	*I* 134293

From	To	Litho	Simple Geo
221.45	225.05	RHYL	

White to pale grey, massive aphanitic rhyolite. Microfractured to fractured and slightly mottled looking as a result. Faint crystals (feldspar?) occur locally. 2% fine to very fine grained disseminated pyrite; some narrow intervals are barren. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
221.45	225.04	NA		VW
massive				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
221.45	225.05	-	-	-	-	-	-	-
no visible alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
221.45	225.05	2	DIS						
2% fine to very fine grained disseminated pyrite									

SAMPLES

From	To	Sample
221.45	221.45	*I* 134294
221.45	223.25	*I* 134295
223.25	225.05	*I* 134296

From	To	Litho	Simple Geo
221.45	225.05	RHYL	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
225.04	225.05	CT		VW

Lower contact in broken core.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
225.05	249.89	LLTF	

Pale greyish-yellow foliated lapilli tuff with interbedded silicifified (welded?) ash tuff. Foliation is roughly parallel to bedding at 50 to 70 TCA. Variably silicified and sericitized. Weak Fe-carbonatre alteration throughout. 2% very fine to fine disseminated pyrite overall. Lower contact sharp at 75 TCA.

STRUCTURES

From	To	Struct	CA	Strain
225.05	244.00	FOL	57	W
244.00	249.88	FOL	70	W

225.05–244.00: *Foliation at 55 to 60 TCA.*

244.00–249.88: *Foliation at 70 TCA.*

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
225.05	249.89	M	-	-	-	-	-	W

moderately silicified and sericitized

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
225.05	249.89	2	DIS						

2% very fine to fine disseminated pyrite overall.

SAMPLES

From	To	Sample	
225.05	227.12	I	134297
227.12	229.19	I	134298
229.19	231.26	I	134299
231.26	233.33	I	134300
233.33	233.33	I	134301
233.33	235.40	I	134302
235.40	237.47	I	134303
237.47	239.54	I	134304
239.54	241.61	I	134305
241.61	241.61	I	134306
241.61	243.68	I	134307
243.68	245.75	I	134308
245.75	247.82	I	134309

From	To	Litho	Simple Geo
225.05	**249.89**	**LLTF**	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
249.88	249.89	CT	75	W																					
Lower contact sharp at 75 TCA.																									

From	To	Litho	Simple Geo
249.89	**256.64**	**RHYL**	

Very light to pale grey massive rhyolite with minor interflow siliceous/welded ash tuff. Weak sericite alteration. 3% fine to very fine grained disseminated pyrite. Lower contact at 75 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							249.89	252.14	*I* 134311
249.89	256.63	NA		W																					
massive, but with interflow bedded ash tuff.																									
					249.89	256.64	W	-	-	W	-	- -	249.89	256.64	3	-									
					Weak sericite alteration								*3% fine to very fine grained disseminated pyrite.*												
																							252.14	254.39	*I* 134312
																							254.39	254.39	*I* 134313
																							254.39	256.64	*I* 134314
256.63	256.64	CT	70	W																					
Lower contact at 75 TCA.																									

From	To	Litho	Simple Geo
256.64	**265.00**	**LLTF**	

Pale green-grey foliated lapilli tuff. Foliation at 60 TCA. Weak to moderate silicification and sericitization (sericite partings). 1%-2% pyrite as disseminations and foliation parallel seams. Lower contact in broken core.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							256.64	258.73	*I* 134315
256.64	264.99	FOL	60	W																					
Foliation at 60 TCA.																									

From	To	Litho	Simple Geo
256.64	265.00	LLTF	

Pale green-grey foliated lapilli tuff. Foliation at 60 TCA. Weak to moderate silicification and sericitization (sericite partings). 1%-2% pyrite as disseminations and foliation parallel seams. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*	
					256.64	265.00	W	-	-	W	-	-	-	256.64	265.00	1.5	LB										
					Weak to moderate silicification and sericitization (sericite partings)									*1-2% pyrite as disseminations and foliation parallel seams.*													
																								258.73	260.82	*I*	134316
																								260.82	262.91	*I*	134317
																								262.91	262.91	*I*	134318
																								262.91	265.00	*I*	134319
264.99	265.00	CT		W																							
Lower contact in broken core.																											

From	To	Litho	Simple Geo
265.00	283.00	RHYL	

Massive cream coloured rhyolite. Mottled burgundy and green appeance locally likey due to oxidixed and reduced iron impurities, respectively. Annealed fractures are sericite filled (also sericite partings on joints). 1%-2% dusty and fine grained disseminated pyrite. End of Hole.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*	
																								265.00	266.50	*I*	134320
265.00	283.00	NA		VW	265.00	283.00	VW	-	-	VW	-	-	-	265.00	283.00	1.5	DIS										
massive					*fractures are sericite filled (also sericite partings on joints).*									*1%-2% dusty and fine grained disseminated pyrite.*													
																								266.50	267.50	*I*	134321

Drill Log KC11209

VTEM Target R

Signature: ____________________ Initials: ______

From	**To**	**Litho**	**Simple Geo**
0.00	**12.19**	**OVBD**	

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	12.19	NA		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
0.00	12.19	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	12.19	0	-						

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
12.19	**17.10**	**GMDS**	

Black intensely graphitic mudstone. Foliated at 80 TCA. Very minor carbonate veining. 0.25% pyrite along bedding planes. Lower contact in broken core. At 13.30m to 13.50m, pale green-grey bleached, massive amygdaloidal basalt with calcite filled amygdales.

STRUCTURES

From	To	Struct	CA	Strain
12.19	17.09	FOL	80	VW
Foliated at 80 TCA				
17.09	17.10	CT		VW
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
12.19	17.10	VW	VW	-	-	-	-	-
very weakly calcareous								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
12.19	17.10	0.25	LB						
0.25% pyrite along bedding planes.									

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
17.10	**18.00**	**BSLT**	

Very pale green-grey amygdaloidal plagioclase phyric basalt. Upper and lower contacts are calcarous over 25cm. Amygdales are calcite. Plagioclase crystals are up to 3mm in size, euhedral to anhedral and moderately epidotized. No visible sulphides. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
17.10	17.99	NA		W
massive				
17.99	18.00	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
17.10	18.00	S	M	-	-	-	-	-
moderately calcareous and epidotized; bleached.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
17.10	18.00	0	-						
No visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
18.00	**155.45**	**GMDS**	

Intensely graphitic, very homogeneous black mudstone. Foliated at 60 to 70 TCA to 148.00m, and at 70 to 80 TCA to 155.45m. Riddled with foliation parallel carbonate seams and streaks, and pulled apart and deformed bands. 1%-2% pyrite as foliation parallel wisps, streaks and lamimae. Lower contact in broken core.
40.95m to 41.10m: graphitic gouge zone.
118.00m to 119.50m: fault zone.

STRUCTURES

From	To	Struct	CA	Strain
18.00	40.95	FOL	65	M
Foliated at 60 to 70 TCA				
40.95	41.10	FLT		S
graphitic gouge zone				
41.10	118.00	FOL	65	VW
Foliated at 60 to 70 TCA				
118.00	119.50	FLT		M
fault zone				
119.50	148.00	FOL	65	W
Foliated at 60 to 70 TCA				
148.00	155.44	FOL	75	W
Foliated at 70 to 80 TCA				
155.44	155.45	CT		W
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
18.00	155.45	VW	VW	-	-	-	-	-
very weakly calcareous								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
18.00	155.45	1.5	LB						
1%-2% pyrite as foliation parallel wisps, streaks and lamimae.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
155.45	**176.28**	**ASHT**	

Grey-beige and buff coloured fine grained massive to locally bedded ash tuff, with minor interbedded lapilli tuff near the upper contact and narrow crystal tuffaceous interbands throughout. The entire lithology has been largely Fe-carbonate replaced (weak reaction when powdered to HCl). Cut by numerous, thin (maximum thickness 3mm) carbonate veins that are dominantly dolomite, with lesser calcite veins and even more rare quartz-carbonate veins. These veins are invariably pyritic (and with chalcopyrite in a vein centered at 162.84m) and parallel, likely exploiting joint planes; they lend an overall planar fabric to the unit (pseudo-bedding). 3% pyrite overall, dominantly as coarse crystals and aggregates in dolomite veins, and as very minor disseminations in the tuff. Trace chalcopyrite. Sharp lower contact at 68 TCA.
158.15m to 158.55m: fault gouge and grit.
168.10m to 170.00m: Fault brecciated ash tuff with dolomite veining more pervasive. Intense annealed breccia from 168.30m to 168.60m.

STRUCTURES

From	To	Struct	CA	Strain
155.45	158.15	NA		W
massive				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
155.45	176.28	ASHT	

Grey-beige and buff coloured fine grained massive to locally bedded ash tuff, with minor interbedded lapilli tuff near the upper contact and narrow crystal tuffaceous interbands throughout. The entire lithology has been largely Fe-carbonate replaced (weak reaction when powdered to HCl). Cut by numerous, thin (maximum thickness 3mm) carbonate veins that are dominantly dolomite, with lesser calcite veins and even more rare quartz-carbonate veins. These veins are invariably pyritic (and with chalcopyrite in a vein centered at 162.84m) and parallel, likely exploiting joint planes; they lend an overall planar fabric to the unit (pseudo-bedding). 3% pyrite overall, dominantly as coarse crystals and aggregates in dolomite veins, and as very minor disseminations in the tuff. Trace chalcopyrite. Sharp lower contact at 68 TCA.
158.15m to 158.55m: fault gouge and grit.
168.10m to 170.00m: Fault brecciated ash tuff with dolomite veining more pervasive. Intense annealed breccia from 168.30m to 168.60m.

STRUCTURES

From	To	Struct	CA	Strain
158.15	158.55	FLT		S
fault gouge and grit				
158.55	168.10	NA		W
massive				
168.10	170.00	FLT		M
annealed fault breccia.				
170.00	176.27	NA		W
massive				
176.27	176.28	CT		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
155.45	176.28	S	VW	M	-	-	-	S
strong Fe-carbonate alteration; moderate dolomite veining.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
155.45	176.28	3	AN					CP	0.05
3% pyrite overall, dominantly as coarse crystals and aggregates in dolomite veins, and as very minor disseminations in the tuff. Trace chalcopyrite.									

SAMPLES

From	To	Sample	
161.00	162.50	*I*	134322
162.50	163.50	*I*	134323
163.50	165.00	*I*	134324
171.00	172.50	*I*	134325
172.50	173.50	*I*	134326
173.50	173.50	*I*	134327
173.50	175.00	*I*	134328
175.00	176.28	*I*	134329

From	To	Litho	Simple Geo
176.28	**188.31**	**LLTF**	

Medium grey, transitioning to a turquoise green, siliceous/silicified lapilli tuff with minor interbedded ash tuff within upper 50cm. Bedding at 60 TCA. Sericite partings occur to 184.00m, and decrease in frequency with depth. Below this, the LLTF is silicified. Lapilli are typically cloudy-white-grey and siliceous (chert/rhyolite?). 4% pyrite overall as unevenly spaced bedding parallel coarse bands. Sharp lower contact at 64 TCA, and chloritic wisps noted over basal 10cm, consistent with the underlying lithology.

STRUCTURES

From	To	Struct	CA	Strain
176.28	188.30	BD	60	VW
Bedding at 60 TCA				
188.30	188.31	CT	64	VW
Sharp lower contact at 64 TCA				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
176.28	184.00	S	-	-	M	-	-	-
moderte sericite as partings, silicified								
184.00	188.31	S	-	-	-	-	-	-
well silicified.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
176.28	188.31	4	LB						
4% pyrite overall as unevenly spaced bedding parallel coarse bands.									

SAMPLES

From	To	Sample	
176.28	178.29	*I*	134330
178.29	180.30	*I*	134331
180.30	182.31	*I*	134332
182.31	184.31	*I*	134333
184.31	184.31	*I*	134334
184.31	186.31	*I*	134335
186.31	188.31	*I*	134336

From	To	Litho	Simple Geo
188.31	**188.96**	**DYKE**	

Medium green, fine grained, massive moderately chloritic mafic dyke. Lower contact appears chilled, and xenolith of lower unit noted. 10% coarse pyrite occurs within 5cm of the upper contact. 2%-3% cpy occurs as irregular seams associated with dolomite in very narrow fractures, centered at 188.70m. Overall 5% coarse pyrite. Sharp lower contact at 66 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
188.31	**188.96**	**DYKE**	

Medium green, fine grained, massive moderately chloritic mafic dyke. Lower contact appears chilled, and xenolith of lower unit noted. 10% coarse pyrite occurs within 5cm of the upper contact. 2%-3% cpy occurs as irregular seams associated with dolomite in very narrow fractures, centered at 188.70m. Overall 5% coarse pyrite. Sharp lower contact at 66 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
188.31	188.95	NA																								
massive																										
					188.31	188.96	M	-	VW	-	-	-	-	188.31	188.96	5	DIS					CP	2.5	188.31	188.96	*I* 134337
					moderately chloritized.									*Overall 5% coarse pyrite; 2%-3% cpy occurs as irregular seams associated with dolomite in very narrow fractures, centered at 188.70m.*												
188.95	188.96	CT	66																							
sharp lower contact at 66 TCA.																										

From	To	Litho	Simple Geo
188.96	**208.28**	**LLTF**	

Turquoise green silicified/siliceous lapilli tuff as per 176.28m to 188.31m, but sericitization is virtually absent. Crude bedding at 55 to 65 TCA. Minor chlortic and pyritic interbedded ash tuff from 203.93m to 204.25m.Lapilii are exclusvily lensoidal to egg-shaped, cloudy grey-white and practically 100% silica. Overall, 3%-4% pyrite as uneven bedding-parallel bands and seams, and as lesser disseminations. Sharp lower contact at 55 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								188.96	188.96	*I* 134338
																								188.96	191.38	*I* 134339
188.96	208.27	BD	60	VW																						
Bedding at 55 to 65 TCA																										
					188.96	208.28	M	-	-	-	-	-	-	188.96	208.28	3.5	LB									
					moderate silicification									*3%-4% pyrite s uneven bedding parallel bands and seams, and as lesser disseminations.*												
																								191.38	193.80	*I* 134340
																								193.80	196.22	*I* 134341
																								196.22	198.64	*I* 134342
																								198.64	198.64	*I* 134343
																								198.64	201.05	*I* 134344
																								201.05	203.46	*I* 134345

From	To	Litho	Simple Geo
188.96	208.28	LLTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
208.27	208.28	CT	55	VW

Sharp lower contact at 55 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	

From	To	Litho	Simple Geo
208.28	208.71	ASHT	

Medium green-beige bedded ash tuff with very minor crystal tuffaceous lares (less than 2 cm thick). Bedding at 52 TCA. 2% disseminated pyrite. Weakly chloritic. Sharp lower contact at 55 TCA.

STRUCTURES

From	To	Struct	CA	Strain
208.28	208.70	BD	52	VW
Bedding at 52 TCA.				
208.70	208.71	CT	55	VW
Sharp lower contact at 55 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
208.28	208.71	W	-	-	-	-	-	-
weakly chloritic.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
208.28	208.71	2	DIS						
2% disseminated pyrite.									

SAMPLES

From	To	Sample	
208.28	208.71	I	134348
208.71	208.71	I	134349

From	To	Litho	Simple Geo
208.71	220.77	LLTF	

Pale turquoise green silic/silicified lapilli tuff with minor ash tuff interbeds as per 188.96m to 208.28m. Weak sericite alteration as sporadic partings. Bedding at 48 to 56 TCA. Trace pyrite. Lower contact in broken core

STRUCTURES

From	To	Struct	CA	Strain
208.71	220.76	BD	51	VW
Bedding at 48 to 56 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
208.71	220.77	W	-	-	W	-	-	-
Weak sericite alteartion as sporadic partings.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
208.71	220.77	0.05	DIS						
trace disseminated pyrite.									

SAMPLES

From	To	Sample	
208.71	211.13	I	134350
211.13	213.54	I	134351
213.54	215.95	I	134352
215.95	218.36	I	134353

From	To	Litho	Simple Geo
208.71	220.77	LLTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
220.76	220.77	CT		VW

Lower contact in broken core.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
220.77	294.26	LTPB	

Pale to medium grey, crudely bedded, locally in situ brecciated pyrite banded lapilli tuff with minor interbedded ash tuff. Upper contact demarcated by gradational colour change from the turquoise green of the upper LLTF, to the grey colour of this LTPB. Also in situ brecciation not prominent in the upper LLTF. Brecciation appears to occur within what may be siliceous bands, or very large lapilli that are larger than core diameter. Bedding parallels foliation at 52 to 62 TCA. Alteration varies from moderately silicified and weakly serícititized to moderately silicified, as noted. Fe-carbonate occurs as bedding/foliation parallel wisps between 231m to 252m and 262.5m to 294.26m. Sulphide content is variable, with the highest concentration of 7% to 9% pyrite occuring between 239.20m and 270.90m. Elsewhere the average content is 3%-4% pyrite. The purite occurs as heavily disseminated and aggregate pyrite, wispy fine to medium-grained banded pyrite and as semi-massive bands up to 3cm thick. The pyrite occurs preferentially in silicified/siliceous bands as opposed to sericitic alteration. Lower contact sharp at 45 TCA.

STRUCTURES

From	To	Struct	CA	Strain
220.77	294.25	FOL	57	W

Bedding parallels foliation at 52 to 62 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
220.77	228.00	M	-	-	M	-	-	-
228.00	231.00	M	-	-	W	-	-	M

220.77–228.00: *moderate silicification and moderate sericitization*

228.00–231.00: *moderate silicification and weak sericitization, moderate Fe-carbonate alteration*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
220.77	239.20	3	LB						

3% banded and disseminated pyrite

SAMPLES

From	To	Sample	
220.77	220.77	I	134355
220.77	223.22	I	134356
223.22	225.67	I	134357
225.67	228.12	I	134358
228.12	230.57	I	134359
230.57	233.02	I	134360

From	To	Litho	Simple Geo
220.77	294.26	LTPB	

(Continued from previous page)

STRUCTURES — From | To | Struct | CA | Strain

ALTERATION — From | To | INT | CC | DO | SR | AK | SC

MINERALIZATION — From | To | PY% | Style | Min | Min% | Min2 | M2% | Min3 | M3%

SAMPLES — From | To | Sample

231.00 235.00 M - - M - - M

moderate silicification and moderate sericitization, moderate Fe-carbonate alteration

From	To	Sample	
233.02	233.02	I	134361
233.02	235.47	I	134362

235.00 248.60 M - - W - - M

moderate silicification and weak sericitization, moderate Fe-carbonate alteration

From	To	Sample	
235.47	237.92	I	134363
237.92	240.37	I	134364

239.20 294.26 7 LB

7% to 8% heavily disseminated and aggregate pyrite, wispy fine to medium grained banded pyrite and as semi-massive bands up to 3cm thick

From	To	Sample	
240.37	242.82	I	134365
242.82	245.27	I	134366
245.27	245.27	I	134367
245.27	247.72	I	134368
247.72	250.17	I	134369

248.60 271.00 M - - M - - W

moderate silicification and moderate sericitization, weak Fe-carbonate alteration

From	To	Sample	
250.17	252.62	I	134370
252.62	255.07	I	134371
255.07	257.52	I	134372
257.52	257.52	I	134373
257.52	259.97	I	134374
259.97	262.42	I	134375

From	To	Litho	Simple Geo
220.77	294.26	LTPB	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
294.25	294.26	CT	45	W

Lower contact at 45 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
271.00	287.00	M	-	-	VW	-	-	M
287.00	294.26	M	-	-	VW	-	-	-

moderate silicification and weak sericitization, moderate Fe-carbonate alteration

moderate silicification and weak sericitization, moderate Fe-carbonate alteration

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample
272.22	272.22	I 134380
272.22	274.67	I 134381
274.67	277.12	I 134382
277.12	279.57	I 134383
279.57	282.02	I 134384
282.02	284.47	I 134385
284.47	284.47	I 134386
284.47	286.92	I 134387
286.92	289.37	I 134388
289.37	291.82	I 134389
291.82	294.26	I 134390

From	To	Litho	Simple Geo
294.26	295.75	BSLT	

Maroon (hematized) to pale yellow and bleached amygdaloidal basalt. No visible sulphides. Lower contact at 30 TCA.

STRUCTURES

From	To	Struct	CA	Strain
294.26	295.74	NA		VW

massive

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
294.26	295.75	BSLT	

Maroon (hematized) to pale yellow and bleached amygdaloidal basalt. No visible sulphides. Lower contact at 30 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
294.26	295.75	M	-	-	VW	-	-	-

moderately hematized at core, bleached at upper and lower contacts.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
294.26	295.75	0	-						

No visible sulphides.

SAMPLES

From	To	Sample	
294.26	295.75	I	134391

STRUCTURES

From	To	Struct	CA	Strain
295.74	295.75	CT	30	VW

Lower contact at 30 TCA

From	To	Litho	Simple Geo
295.75	306.20	LTPB	

Light grey lapilli tuff with pyrite bands, genearlly as per 220.77m to 294.26m, but with waning pyrite content. Foliation at 56 to 62 TCA. Moderately silicified, weakly sericitized, moderate Fe-carbonate alteration as wisps paralleling foliation. Overall 3% pyrite as bands, disseminations and fracture fills. Lower contact at 64 TCA.

STRUCTURES

From	To	Struct	CA	Strain
295.75	306.19	FOL	58	VW
306.19	306.20	CT	64	VW

295.75–306.19: *Foliation at 56 to 62 TCA.*

306.19–306.20: *Lower contact at 64 TCA.*

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
295.75	306.20	M	-	-	W	-	-	M

Moderately silicified, weakly sericitized, moderate Fe-carbonate alteration as wisps paralleling foliation.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
295.75	306.20	3	FF						

3% pyrite as bands, disseminations and fracture fills.

SAMPLES

From	To	Sample	
295.75	295.75	I	134392
295.75	298.01	I	134393
298.01	300.32	I	134394
300.32	302.63	I	134395
302.63	304.94	I	134396
304.94	306.20	I	134397

From	To	Litho	Simple Geo
306.20	**307.96**	**FXAT**	

Light green, moderately chloritized, foliated feldspar crystal ash tuff. Foliation at 64 TCA. Moderate Fe-carbonate alteration, especially over 25cm within upper and lower contacts. Overall, 3% disseminated pyrite, concentrated at contacts. Sharp lower contact at 65 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
306.20	307.95	FOL	64	VW																							
Foliation at 64 TCA.																											
					306.20	307.96	M	-	-	-	-	-	M	306.20	307.96	3	DIS							306.20	307.96	I	134398
					moderately chloritized, moderate Fe-carbonate alteration,									*3% disseminated pyrite, concentrated at contacts.*													
307.95	307.96	CT	65	VW																							
Sharp lower contact at 65 TCA.																											

From	To	Litho	Simple Geo
307.96	**309.93**	**LTPB**	

Pale to light grey lapilli tiff with pyrite bands as per 295.75m to 306.20m. Almost looks like a rhyolite, but can discern rare lapilli. Generally massive and siliceous with very weak sericite as occasional partings. 2% fracture-controlled pyrite. Lower contact bleached and at 53 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								307.96	307.96	I	134399
307.96	309.92	NA		VW																							
massive																											
					307.96	309.93	M	-	-	VW	-	-	-	307.96	309.93	2	-							307.96	309.93	I	134400
					siliceous with very weak sericite as occasional partings.									*2% fracture-controlled pyrite.*													
309.92	309.93	CT	53	VW																							
Lower contact bleached and at 53 TCA.																											

From	To	Litho	Simple Geo
309.93	**324.69**	**BSLT**	

Medium green, homogeneous and massive, moderately chloritized fine grained basalt. Most definitely a flow, as in the core of the unit, random euhedral 1mm feldspar laths are discernible in the groundmass.These are generally weakly epidotized. Unit is riddled throughout with sporadic carbonate-epidote veins and patches, which are very rarely rimmed by later hematite. Trace pyrite down to 321.61m. Below this, carbonate veining and patchy epidote alteration is more pronounced, and accompanied by 4%-5% coarse banded and disseminated pyrite. 0.5% chalcopyrite occurs as a single band centered at 323.81m. Lower contact sharp and chilled at 51 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					309.93	321.61	M	VW	-	-	-	-	-	309.93	321.61	0.05	DIS									
					moderately chloritized, weak carbonate-epidote veins and patches, minor hematite overprint									*trace disseminated pyrite*												
309.93	324.68	NA		VW																						
		massive																								
																								320.11	321.61	I 134401
																								321.61	323.69	I 134402
					321.61	324.69	M	M	-	-	-	-	-	321.61	324.69	4.5	DIS					CP	0.5			
					moderately chloritized, moderate carbonate-epidote veins and patches, minor hematite overprint									*4%-5% coarse banded and disseminated pyrite. 0.5% chalcopyrite occurs as a single band.*												
																								323.69	324.69	I 134403
324.68	324.69	CT	51	VW																						
Lower contact sharp and chilled at 51 TCA.																										

From	To	Litho	Simple Geo
324.69	**330.00**	**RHYL**	

Waxy green, massive, aphanitic rhyolite. Pervasive carbonate veining with coarse epidite noted within 1.3m of upper contact. Otherwise a featureless lithology. 1%-2% fine grained disseminated pyrite. End of Hole.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								324.69	324.69	I 134404
																								324.69	326.46	I 134405
324.69	330.00	NA		VW	324.69	330.00	W	W	-	-	-	-	-	324.69	330.00	1.5	DIS									
		massive			*carbonate-epidote veining over upper 1.3m*									*1%-2% fine grained disseminated pyrite.*												
																								326.46	328.23	I 134406
																								328.23	330.00	I 134407

From	To	Litho	Simple Geo
0.00	**63.40**	**OVBD**	

Casing/Overburden

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
0.00	63.40	NA		

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
0.00	63.40	-	-	-	-	-	-	-

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
0.00	63.40	0	-						

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
63.40	**69.00**	**RHYL**	

Pale grey, massive rhyolite. Faint feldspar(?) crystals occur sporadically. Minor sericite altered ash tuff interbeds noted. Core is extremely rubbly. 0.1% disseminated pyrite. Lower contact in broken core.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
63.40	68.99	NA		VW
massive				
68.99	69.00	CT		VW
Lower contact in broken core.				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
63.40	69.00	-	-	-	-	-	-	-
No significant alteration.								

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
63.40	69.00	0.1	DIS						
0.1% disseminated pyrite.									

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
69.00	**73.22**	**FXAT**	

Medium charcoal grey, strongly foliated feldspar crystal ash tuff. Foliation at 45 to 55 TCA down to 72.80m, steepening to 82 TCA to lower contact. Matrix is moderately to strongly sericitic, with minor chlorite, and sporadic sericite schist bands occur infrequently. Feldspar crystals are white and stretched parallel to foliation. Very rare foliation parallel quartz veins (less than 2cm thick) noted. Trace pyrite overall. Lower contact in broken core.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
69.00	72.80	FOL	50	M
Foliation at 45 to 55 TCA.				
72.80	73.21	FOL	82	M
Foliation at 82 TCA.				
73.21	73.22	CT		M
Lower contact in broken core.				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
69.00	73.22	M	-	-	M	-	-	-
moderately sericitic, weak chlorite alteration.								

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
69.00	73.22	0.05	DIS						
trace disseminated pyrite.									

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
73.22	**75.10**	**RHYL**	

Very pale grey, massive aphanitic rhyolite. Very minor sericite parting on joint planes. Weakly fractured, with 0.25% fine pyrite on fractures. Lower contact in broken core.

STRUCTURES				
From	To	Struct	CA	Strain
73.22	75.09	NA		VW
Massive				
75.09	75.10	CT		
Lower contact in broken core.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
73.22	75.10	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
73.22	75.10	0.25	FF						
0.25% fine pyrite on fractures.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
75.10	**85.00**	**FQXT**	

Medium charcoal grey feldspar quartz crystal tuff, with minor interflow rhyolite. Foliation at 35 TCA. The matrix is as per the FXAT at 69.00m to 73.22m. This FQXT is less intensely foliated, with less stretched plagioclase crystals, and with 3%-4% rounded, 1mm-2mm glassy grey quartz crystals. Rhyolite interflows noted between 80.05m and 80.45m. Trace disseminated pyrite. Lower contact in broken core.

STRUCTURES				
From	To	Struct	CA	Strain
75.10	84.99	FOL	35	W
Foliation at 35 TCA.				
84.99	85.00	CT		W
Lower contact in broken core.				

ALTERATION								
From	To	INT	CC	DO		SR	AK	SC
75.10	85.00	W	-	-	W	-	-	-
weak sericite alteration								

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
75.10	85.00	0.05	-						
trace very fine disseminated pyrite.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
85.00	**101.50**	**RHYL**	

Dark grey, aphanitic, plagioclase porphyritic rhyolite, with interbedded feldspar quartz crystal tuff. Core is highly broken over this interval, and recoveries are very poor (as low as 25%). Sericitic gouge adhering to some core, especially at lower contact, suggests this is a fault. 0.1% fracture controlled pyrite. Lower contact in extremely rubbled core.

STRUCTURES				
From	To	Struct	CA	Strain
85.00	101.49	FLT		S
fault gouge with moderate sericitic and clay gouge (recovery as low as 25%)				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
85.00	**101.50**	**RHYL**	

Dark grey, aphanitic, plagioclase porphyritic rhyolite, with interbedded feldspar quartz crystal tuff. Core is highly broken over this interval, and recoveries are very poor (as low as 25%). Sericitic gouge adhering to some core, especially at lower contact, suggests this is a fault. 0.1% fracture controlled pyrite. Lower contact in extremely rubbled core.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					85.00	101.50	M	-	-	M	-	-	85.00	101.50	0.1	FF									
					moderate sericitic and clay gouge.								*0.1% fracture controlled pyrite.*												
101.49	101.50	CT																							
Lower contact in extremely rubbled core.																									

From	To	Litho	Simple Geo
101.50	**105.00**	**FXTF**	

Light to medium grey feldspar crystal tuff. Foliated at 60 TCA, but less intense deformation than in previous FXTF. Weakly to moderately sericitic. 1%-2% pyrite filling fractures. Lower contact in broken core.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
101.50	104.99	FOL	60	W																					
Foliated at 60 TCA																									
					101.50	105.00	W	-	-	W	-	-	101.50	105.00	1.5	FF									
					Weakly to moderately sericitic								*1%-2% pyrite filling fractures.*												
104.99	105.00	CT		W																					
Lower contact in broken core.																									

From	To	Litho	Simple Geo
105.00	**106.68**	**BSLT**	

Massive bleached and hematized amygdaloidal basalt. Amygdales appear to be dolomite. Upper and lower contacts are intensely bleached to a beige-yellow. Core of the basalt is intensely hematized. No visible sulphides. Lower contact in broken core.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
105.00	106.67	NA		W																					
massive																									
					105.00	106.68	VS	-	-	W	-	-	105.00	106.68	0	-									
					Intensely bleached at upper and lower contacts; intensely hematized at core of flow.								*No visible sulphides.*												

From	To	Litho	Simple Geo
105.00	106.68	BSLT	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
106.67	106.68	CT		W

Lower contact in broken core.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
106.68	108.49	FXTF	

Brecciated, bleached and altered feldspar crystal tuff. Brecciated and clay altered to 107.55m; foliated at 55 TCA below this. Moderately sericitic. No visible sulphides. Sharp lower contact at 63 TCA.

STRUCTURES

From	To	Struct	CA	Strain
106.68	107.55	BX		S
107.55	108.48	FOL	55	M
108.48	108.49	CT	63	M

106.68–107.55: *brecciated*

107.55–108.48: *Foliated at 55 TCA.*

108.48–108.49: *Sharp lower contact at 63 TCA.*

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
106.68	108.49	M	-	-	M	-	-	-

Moderately sericitic and clay altered

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
106.68	108.49	0	-						

No visible sulphides.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
108.49	110.78	RHYL	

Dark to light grey massive feldspar quartz porphyritic rhyolite. Crystals are 1mm-2mm in size, with plagioclase much more abundant than quartz. Plagioclase crystals are faint and euhedral to subhedral. Quartz crystals are rounded and glassy grey. Weakly fractured. Trace disseminated pyrite. Sharp lower contact at 60 TCA.

STRUCTURES

From	To	Struct	CA	Strain
108.49	110.77	NA		W
110.77	110.78	CT	60	W

108.49–110.77: *massive*

110.77–110.78: *Sharp lower contact at 60 TCA.*

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
108.49	110.78	-	-	-	-	-	-	-

No alteration evident.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
108.49	110.78	0.05	DIS						

Trace disseminated pyrite.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
110.78	**111.73**	**ASHT**	

Bedded ash tuff. Pea soup coloured; appears to be due to incipient and ubiquitous dolomitization. Bedding at 45 TCA. No visible sulphides. Sharp lower contact at 70 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
110.78	111.72	BD	45	W																					
Bedded at 45 TCA.																									
					110.78	111.73	S	-	S	-	-	-	110.78	111.73	0	-									
					incipient and ubiquitous dolomitization.								*No visible sulphides.*												
111.72	111.73	CT	70	W																					
Sharp lower contact at 70 TCA.																									

From	To	Litho	Simple Geo
111.73	**134.50**	**RHYL**	

Massive feldspar quartz porphyritic rhyolite as per 108.49m to 110.78m with interflow dolomitized ash tuff. Aphanitic, aphyric and cream-coloured rhyolite flows noted from 118.4m to the lower contact. Minor interflow feldspar-quartz and feldspar crystal tuff and dolomitized ash tuff noted between 114.50m and 117.60m, and feldspar crystal tuff interbeds are noted from 121.89m to 123.90. Within these intervals, weakly sheared variant of the rhyolite also occurs. Sericite alteration is weak, occuring as sporadic coatings and partings. Overall, 0.25% disseminated and streaky pyrite. Lower contact sharp at 55 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
111.73	134.49	NA		W																					
massive																									
					111.73	134.50	W	-	-	W	-	-	111.73	134.50	0.25	DIS									
					weak sericite alteration as partings								*0.25% disseminated and streaky pyrite*												
134.49	134.50	CT	55	W																					
Lower contact sharp at 55 TCA.																									

From	To	Litho	Simple Geo
134.50	**147.74**	**FXTF**	

Medium charcoal grey, moderately sericitized well foliated feldspar crystal tuff with minor interbedded rhyolite and ash tuff. The rhyolite occurs as a crushed zone within the FXTF, probably a brittle response to shearing that induced a foliation in the FXTF. Foliated at 45 TCA. The ash tuff occurs as a single, intensely sericitized and pyritic bed at 144.0 to 144.40m. 3% pyrite overall, occuring almost entirely of discrete semi-massive bands up to 3cm thick, and otherwise as very fine disseminations. Bleached over basal 75cm to lower contact, which is sharp at 45 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							134.50	136.71	*I* 134408

From	To	Litho	Simple Geo
134.50	**147.74**	**FXTF**	

Medium charcoal grey, moderately sericitized well foliated feldspar crystal tuff with minor interbedded rhyolite and ash tuff. The rhyolite occurs as a crushed zone within the FXTF, probably a brittle response to shearing that induced a foliation in the FXTF. Foliated at 45 TCA. The ash tuff occurs as a single, intensely sericitized and pyritic bed at 144.0 to 144.40m. 3% pyrite overall, occuring almost entirely of discrete semi-massive bands up to 3cm thick, and otherwise as very fine disseminations. Bleached over basal 75cm to lower contact, which is sharp at 45 TCA.

STRUCTURES

From	To	Struct	CA	Strain
134.50	147.73	FOL	45	M
Foliated at 45 TCA				
147.73	147.74	CT	45	M
lower contact sharp at 45 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
134.50	147.74	M	-	-	M	-	-	-
moderately sericitized							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
134.50	147.74	3	LB						
3% pyrite overall, occuring almost entirely of discrete semi-massive bands up to 3cm thick, and otherwise as very fine disseminations.									

SAMPLES

From	To	Sample	
136.71	138.92	*I*	134409
138.92	141.13	*I*	134410
141.13	143.34	*I*	134411
143.34	145.54	*I*	134412
145.54	145.54	*I*	134413
145.54	147.74	*I*	134414

From	To	Litho	Simple Geo
147.74	**202.30**	**RHYL**	

Mottled light and dark grey, massive locally flow banded and auto-brecciated, aphyric rhyolite flow, with minor interbedded dolomitized ash tuff and crystal tuff. Sporadic quartz and quartz-carbonate veins and clots are common throughout. Fluoromuscovite noted at 183.92m, 184.03m and 184.36m. Flow-banding with localized autobrecciation is more prominent than massive intervals down to 177.50m. Below this, the rhyolite is more massive. 5%-7% pyrite overall, dominamtly as bedded semi-massive bands (maximum 10cm thick) massive bands (maximum 2cm thick) anastamosing fracture-controlled bands, and very fine disseminations. Lower contact sharp at 57 TCA.

180.00m to 180.70m: Clay rich breccia/gouge fault zone

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
147.74	149.77	*I*	134415

From	To	Litho	Simple Geo
147.74	**202.30**	**RHYL**	

Mottled light and dark grey, massive locally flow banded and auto-brecciated, aphyric rhyolite flow, with minor interbedded dolomitized ash tuff and crystal tuff. Sporadic quartz and quartz-carbonate veins and clots are common throughout. Fluoromuscovite noted at 183.92m, 184.03m and 184.36m. Flow-banding with localized autobrecciation is more prominent than massive intervals down to 177.50m. Below this, the rhyolite is more massive. 5%-7% pyrite overall, dominamtly as bedded semi-massive bands (maximum 10cm thick) massive bands (maximum 2cm thick) anastamosing fracture-controlled bands, and very fine disseminations. Lower contact sharp at 57 TCA.

180.00m to 180.70m: Clay rich breccia/gouge fault zone

STRUCTURES

From	To	Struct	CA	Strain
147.74	177.50	BN	38	VW

flow banding most prominent feature at 38 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
147.74	202.30	W	-	-	W	-	-	-

overall weak sericite alteration.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
147.74	202.30	6	LB						

5%-7% pyrite overall, dominantly as bedded semi-massive bands (maximum 10cm thick) massive bands (maximum 2cm thick) anastamosing fracture controlled bands, and very fine disseminations.

SAMPLES

From	To	Sample	
149.77	151.80	*I*	134416
151.80	153.80	*I*	134417
153.80	155.65	*I*	134418
155.65	157.50	*I*	134419
157.50	157.50	*I*	134420
157.50	159.30	*I*	134421
159.30	161.30	*I*	134422
161.30	162.50	*I*	134423
162.50	164.50	*I*	134424
164.50	166.50	*I*	134425
166.50	166.50	*I*	134426
166.50	168.50	*I*	134447
168.50	170.50	*I*	134427
170.50	172.50	*I*	134428
172.50	174.50	*I*	134429

From	To	Litho	Simple Geo
147.74	202.30	RHYL	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
177.50	180.00	NA		VW																					
		massive																							
																							178.50	178.50	I 134432
																							178.50	180.80	I 134433
180.00	180.70	FLT																							
		Clay rich breccia/gouge fault zone																							
180.70	202.29	NA																							
		massive																							
																							180.80	182.80	I 134434
																							182.80	184.80	I 134435
																							184.80	186.80	I 134436
																							186.80	188.80	I 134437
																							188.80	190.80	I 134438
																							190.80	190.80	I 134439
																							190.80	192.80	I 134440
																							192.80	194.80	I 134441
																							194.80	196.50	I 134442
																							196.50	198.50	I 134443
																							198.50	201.00	I 134444
																							201.00	202.30	I 134445
202.29	202.30	CT	57																						
		Lower contact at 57 TCA.																							

From	To	Litho	Simple Geo
202.30	**206.35**	**ASHT**	

Pale beige-yellow, grey and straw yellow ash tuff. Variable alteration accounts for appearance. Foliated at 35 TCA. The ash tuffs are variably dolomotized, silicified/sericitized, and sericitized as noted. Rhyolite interflows noted between 124.00m and 125.10m. Overall, 1%-2% pyrite as foliation parallel wisps. Lower contact sharp at 47 TCA.

STRUCTURES: *From To Struct CA Strain*
ALTERATION: *From To INT CC DO SR AK SC*
MINERALIZATION: *From To PY% Style Min Min% Min2 M2% Min3 M3%*
SAMPLES: *From To Sample*

Samples: 202.30 202.30 *I* 134446

Alteration: 202.30 202.70 M - M - - - -
moderate dolomitization

Structures: 202.30 206.34 FOL 35 W
Foliation at 35 TCA

Mineralization: 202.30 206.35 1.5 LB
1%-2% pyrite as foliation parallel wisps.

Alteration: 202.70 203.23 M - - M - - -
moderate sericitization and silicification.

Alteration: 203.23 203.80 M - M - - - -
moderate dolomitization

Alteration: 203.80 205.15 W - W VW - - -
weak sericite and dolomite alteration

Alteration: 205.15 206.35 VS - - - - - -
intense sericitization

Structures: 206.34 206.35 CT 47 W
Lower contact sharp at 47 TCA.

From	To	Litho	Simple Geo
206.35	**208.11**	**RHYL**	

Massive dark to medium grey, aphanitic and aphyric rhyolite. Single sericitic ash tuff band noted. 0.25% fracture-controlled pyrite. Lower contact at 45 TCA.

STRUCTURES: *From To Struct CA Strain*
ALTERATION: *From To INT CC DO SR AK SC*
MINERALIZATION: *From To PY% Style Min Min% Min2 M2% Min3 M3%*
SAMPLES: *From To Sample*

Structures: 206.35 208.10 NA VW
massive

Alteration: 206.35 208.11 - - - - - - -
no alteration of note.

Mineralization: 206.35 208.11 0.25 FF
0.25% fracture-controlled pyrite.

Structures: 208.10 208.11 CT 45 VW
Lower contact at 45 TCA.

From	To	Litho	Simple Geo
208.11	**209.38**	**ASHT**	

Pale straw yellow, intensely sericitized, well foliated ash tuff with interbedded rhyolite. Foliation at 37 TCA. 0.5% foliation-parallel pyrite seams. Lower contact sharp at 45 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
208.11	209.37	FOL	37	VW																						
Foliation at 37 TCA.																										
					208.11	209.38	VS	-	-	VS	-	-	-	208.11	209.38	0.5	LB									
					intensely sericitized									*0.5% foliation-parallel pyrite seams.*												
209.37	209.38	CT	45	VW																						
Lower contact sharp at 45 TCA.																										

From	To	Litho	Simple Geo
209.38	**212.82**	**RHYL**	

Light grey to very pale grey, massive, aphyric rhyolite. Weakly fractured. 1% fine disseminated pyrite. Lower contact sharp at 55 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
209.38	212.81	NA		VW																						
massive																										
					209.38	212.82	-	-	-	-	-	-	-	209.38	212.82	1	DIS									
					no alteration noted									*1% fine disseminated pyrite*												
212.81	212.82	CT	55	VW																						
Lower contact sharp at 55 TCA.																										

From	To	Litho	Simple Geo
212.82	**214.30**	**ASHT**	

Dolomitized and sericitized ash tuff. Dolomitized from 212.82m to 213.53m, and sericitized from 213.53m to the lower contact. Foliated at 50 to 56 TCA. Trace disseminated pyrite. Sharp lower contact at 50 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					212.82	213.53	M	-	M	-	-	-	-													
					moderately dolomitized.																					
212.82	214.29	FOL	53	VW																						
Foliated at 50 to 56 TCA.																										

From	To	Litho	Simple Geo
212.82	**214.30**	**ASHT**	

Dolomitized and sericitized ash tuff. Dolomitized from 212.82m to 213.53m, and sericitized from 213.53m to the lower contact. Foliated at 50 to 56 TCA. Trace disseminated pyrite. Sharp lower contact at 50 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
													212.82	214.30	0.05	DIS									
													Trace disseminated pyrite.												
					213.53	214.30	S	-	-	S	-	- -													
					strongly sericitized.																				
214.29	214.30	CT	50	VW																					
Sharp lower contact at 50 TCA.																									

From	To	Litho	Simple Geo
214.30	**246.42**	**RHYL**	

Pale grey massive aphanitic rhyolite with minor dolomitized ash tuff and sericitized ash tuff interbeds within the upper contact from 215.70m to 217.30m. Random hairline fractures are common throughout. Very weak sericite as partings on joint surfaces. Small faults with minor gouge noted at 232.15m to 233.15m, and at 245.38m to 245.70m. From 244.75m to 246.42m, slightly darker grey and weakly brecciated with 2%-3% pyrite along fractures. Otherwise, overall pyrite content is 0.5% as disseminations. Lower contact sharp at 75 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
214.30	246.41	NA		VW																					
massive																									
					214.30	246.42	VW	-	-	VW	-	- -	214.30	246.42	0.05	DIS									
					Very weak sericite as parting on joint surfaces.								*trace disseminated pyrite.*												
246.41	246.42	CT	75	VW																					
Lower contact sharp at 75 TCA.																									

From	To	Litho	Simple Geo
246.42	**251.26**	**ASHT**	

Pale straw yellow, intensely sericitized ash tuff-essentially sericite schist with minor interflow rhyolite. Foliation at 45 TCA. Minor quartz veining noted. Trace disseminated pyrite. Lower contact in fault gouge.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
246.42	251.11	FOL	45	S																					
Foliation at 45 TCA.																									

From	To	Litho	Simple Geo
246.42	**251.26**	**ASHT**	

Pale straw yellow, intensely sericitized ash tuff-essentially sericite schist with minor interflow rhyolite. Foliation at 45 TCA. Minor quartz veining noted. Trace disseminated pyrite. Lower contact in fault gouge.

STRUCTURES

From	To	Struct	CA	Strain
251.11	251.26	FLT		S

Lower contact in fault gouge.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
246.42	251.26	VS	-	-	VS	-	-	-

intensely sericitized

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
246.42	251.26	0.05	DIS						

trace disseminated pyrite.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
251.26	**254.26**	**FXTF**	

Brownish moderately dolomitized, crudely bedded feldspar crystal tuff. Bedding parallels foliation at 45 to 53 TCA. Very weak hematite-chlorite alteration noted. Fe-carbonate wisps parallel to foliation common. Trace disseminated pyrite. Slightly gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
251.26	254.25	FOL	49	VW
254.25	254.26	CT		VW

foliation at 45 to 53 TCA.

Slightly gradational lower contact.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
251.26	254.26	M	-	M	-	-	-	M

moderately dolomitized, very weak hematite-chlorite alteration noted. Fe-carbonate wisps parallel to foliation common.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
251.26	254.26	0.05	DIS						

trace disseminated pyrite.

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
254.26	**263.20**	**BSLT**	

Medium to dark green, massive chloritized basalt. Riddled with regularly spaced, regularly oriented Fe-carbonate laminations and wisps, exploiting joint planes and lending an overall "pseudo-fabric" to a massive rock type. Very weak epidote alteration. From 259.80m to 260.35m, intensely dolomitized and bleached basalt(?). Unit is also intensely bleached and shattered (the core) over basal meter. Trace disseminated pyrite overall. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
254.26	263.19	NA		W

massive

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
254.26	**263.20**	**BSLT**	

Medium to dark green, massive chloritized basalt. Riddled with regularly spaced, regularly oriented Fe-carbonate laminations and wisps, exploiting joint planes and lending an overall "pseudo-fabric" to a massive rock type. Very weak epidote alteration. From 259.80m to 260.35m, intensely dolomitized and bleached basalt(?). Unit is also intensely bleached and shattered (the core) over basal meter. Trace disseminated pyrite overall. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					254.26	263.20	M	-	M	-	-	-	M	254.26	263.20	0.05	DIS									
					moderately chloritzed, weakly epidotized, variable Fe-carbonate and dolomite alteration.									*trace disseminated pyrite.*												
263.19	263.20	CT		M																						
Lower contact in broken core.																										

From	To	Litho	Simple Geo
263.20	**265.33**	**DYKE**	

Maroon coloured, massive hematite altered feldspar porphyry. Euhedral but rare plagioclase laths indicate intrusive. Groundmass is intensely hematized. Two sections of intensely bleached dyke (?) noted. Upper and lower contacts are drab grey-beige and bleached. No visible sulphides. Lower contact in broken core.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
263.20	265.32	NA		VW																						
massive																										
					263.20	265.33	S	-	W	-	-	-	-	263.20	265.33	0	-									
					intensely hematized, weakly dolomitized at margins									*No visible sulphides.*												
265.32	265.33	CT		M																						
Lower contact in broken core.																										

From	To	Litho	Simple Geo
265.33	**306.00**	**BSLT**	

Medium green, massive fine grained chloritic basalt. Quite homogeneous with nothing to suggest that this is a tuff. In fact slightly coarser intervals exhibit euhedral to subhedral 1mm to 1.5mm plagioclase laths. Mottled appearance due to ubiquitous patchy epidote alteration. Upper 60cm is bleached somewhat banded and dolomitized. Entire unit is riddled with irregular but sporadic carbonate veins and patches, and very rare milky quartz veins. Very weak hematite, occuring on only very rare fractures. Trace disseminated pyrite. End of Hole

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
265.33	306.00	NA		VW	265.33	306.00	M	-	-	-	-	-	-	265.33	306.00	0.05	DIS									
massive					*moderately chloritized and epidotized.*									*trace disseminated pyrite.*												

Drill Log KC11211

Unknown

Signature: ____________________ Initials: ________

From	To	Litho	Simple Geo
0.00	6.52	OVBD	CASE

Overburden - cased.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
0.00	6.52	NA			0.00	6.52	-	-	-	-	-	-	-	0.00	6.52	0	-									

From	To	Litho	Simple Geo
6.52	90.00	QXTF	TUFF

Quartz Crystal Tuff. Coarse grained. Locally quartz-crowded. Quartz crystals range up to 1cm across. Strong chloritic alteration at top of hole with local bands of overprinted bleaching and hematization. Many distinctive, thin intercalated layers of coarse ash tuff 15.27m-16.05m. Hematitic alteration dominates below 16m. Then weak epidote alteration is overprinted below 24m. Rare thin (< 1.5cm) bull quartz veins at random angles. Moderate epidote alteration below 31m; strong epidote flooding below 34m - core looks lime green. Rare dark green fine-grained lithic chips. Epidote alteration is strong enough to partially obscure quartz crystals (but the rock is all the same). Dark green fine-grained lithic clasts are more abundant below 55m. Dark green groundmass is locally bleached to a pale yellow colour. Below 66m lithic clasts and ash tuff intercalations are more abundant so it starts to look like an intercalated lithological contact. Below 66m irregular pinkish-white quartz veins are 8% of rock.

No significant pyrite noted until 73m.

Oxidizing groundwater has percolated along a fracture at 12m depth.

Minor fault break at 50.5m. Another at 52.8m.

Below 66m this is an intercalated unit of thin beds of quartz crystal tuff and coarse ash tuff (a gradational contact). Variably altered. Dark green lithic clasts (lapilli) are more common.

Fault from 80.42 to 82.00m. Wallrock is oxidized.

Fine pyrite as disseminations, wisps, seams, lamellae below 86.0m. And unit is still mixed LLTF and QXTF - intercalated.

Pyrite content increases below 86 to locally reach 10% of rock by 95m. Occurs as seams and bands of fine pyrite.

Amount of QXTF rock is <10% by 95m.

Below 90m we see traces and wisps and thin lamellae of fluoromuscovite within sericite-altered bands.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					6.52	16.05	W	-	-	-	-	-	-												
					Chlorite																				
														6.52	86.00	0.1	DIS								
														trace to nil fine pyrite											
6.52	90.00	BD	45																						
many intercalated ash tuff beds																									
					16.05	24.00	W	-	-	-	-	-	-												
					Hematite																				
					24.00	31.00	W	-	-	-	-	-	-												
					Epidote																				

From	To	Litho	Simple Geo	
6.52	90.00	QXTF	TUFF	**(Continued from previous page)**

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
					31.00	34.00	M -	-	-	-	-	-													
					Epidote																				
					34.00	82.50	S -	-	-	-	-	-													
					Epidote																				
					82.50	90.00	M -	-	-	-	-	-													
					Chlorite																				
																							86.00	88.00	*I* 135517
													86.00	90.00	8	LB									
													1% to 8% py as fine-grained seams and bands												
																							88.00	90.00	*I* 135518

From	To	Litho	Simple Geo
90.00	99.50	LTPB	

Interbedded lapilli tuff, ash tuff, and progressively thinner bands of quartz crystal tuff. Dominantly chlorite-altered to 92.25m, then overprinted by sericite and accompanying bands of fine-grained pyrite. Minor blebs and bands of distinctive fluoromuscovite. This looks like the classic Kutcho exhalative horizon. Locally up to 8% pyrite.

The most intense sericite-pyrite-fluoromuscovite alteration drops off by 99.5m. Rock below that is bleached (weakly sericite-altered) ash tuff with few lapilli and with accessory pyrite blebs and bands (<2% py).

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
																							90.00	92.00	*I* 135519
90.00	99.50	BD	28		90.00	99.50	M -	-	-	-	S	-	90.00	99.50	8	LB									
					Moderate fluoromuscovite bands and wisps																				
																							92.00	94.00	*I* 135520
																							94.00	94.00	*I* 135521
																							94.00	96.00	*I* 135522
																							96.00	96.00	*I* 135523
																							96.00	98.00	*I* 135524
																							98.00	98.00	*I* 135525
																							98.00	100.00	*I* 135526

From	To	Litho	Simple Geo
99.50	**108.00**	**ASHT**	

Bleached ash tuff with scattered lens-shaped lapilli. 2% py overall. 20cm of fault gouge from 102.45-102.65m. 10cm wide bull quartz vein at 102.10m. Unit is overprinted by fine white carbonate knots. Is this clast-poor Lithic Lapilli Tuff?

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*	
99.50	108.00	BD	25		99.50	108.00	M	-	-	-	-	W	-	99.50	108.00	2	DIS										
					overprinted by fine carbonate knots																						
																								100.00	102.00	***I***	135527
																								102.00	104.00	***I***	135528
																								104.00	104.00	***I***	135529
																								104.00	106.00	***I***	135530
																								106.00	108.00	***I***	135531

From	To	Litho	Simple Geo
108.00	**115.50**	**ASHT**	

Fine ash tuff with rare scattered small lapilli (clast-poor LLTF?). Rock is meduim green, chloritic. 1% py overall with an 8mm band of fine pyrite at 108.51m. 8cm of fault gouge from 113.12m-113.20m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*	
																								108.00	110.00	***I***	135532
108.00	115.50	BD	20		108.00	115.50	M	-	-	-	-	-	-	108.00	115.50	1	DIS										
					Chlorite. And overprinted fine carbonate knots.																						
																								110.00	112.00	***I***	135533
																								112.00	114.00	***I***	135534
																								114.00	115.50	***I***	135535

From	To	Litho	Simple Geo
115.50	**183.00**	**LTPB**	

Bleached, altered lapilli tuff. Pyritic. This may be the same lithology as surrounding strata but the lapilli stand out more clearly due to the bleaching. Repeating thin bands of this same alteration down to 118.50m. Variably sericitized; variably silicified; variably pyritized. Abundance of lapilli clasts ranges from rare to clast-crowded (>50%). Rare, thin fine ash interbeds.
Massive white bull quartz vein from 121.34 to 126.68m with selvages and screens of pyritized, bedded-but-swirled, wallrock.
Bedding is mostly planar but shows local weak crenulation proximal to the bull quartz vein.
Below 127.00m rock resembles classic white LTPB with shotgun pyrite. Rare trace chalcopyrite along some pyritic lamellae/wisps. From 134m-136m rock is 40% pyrite, but usually in the range of 10%-15% pyrite.
Alteraton is carbonate-sericite-pyrite, but below 137.6m rock is strongly silicified. Bleached crowded lapilli tuff resembles a pyritized crushed chert.
Core continues to have a white, variably silicified 'crushed chert" appearance to 149m where bleaching lessens and rock becomes weakly chloritized.
Core is medium teal green, with 50% lapilli clasts. Crowded lapilli tuff.
From 136m to 151m pyrite averages 6%. Locally well preserved lens-shaped lapilli show the rock texture before silica flooding.
Bedding at 70 deg TCA at 150m.
Silicified band from 151m-152m with 10% pyrite as seams and bands.
152m-156.75m dominantly moderately chloritic LLTF with local bleached & silicified horizons/zones. 3% pyrite
Silicified band from 156.75m-157.7m with 20% pyrite as seams and bands.
157.7m-160.15m dominantly moderately chloritic LLTF with local bleached and silicified horizons/zones. 3% pyrite
160.15m-173.0m strongly silicified Lithic Lapilli Tuff - resembles crushed chert. 12% py. Local moderately chloritic horizons.
173.0m-183.00m Medium green moderately chloritic crowded lapilli tuff. 2.5% pyrite. Local silcified zones.

STRUCTURES

From	To	Struct	CA	Strain
115.50	115.80	BD	27	
115.80	183.00	BD	70	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
115.50	115.80	S	S	-	W	-	M	-
115.80	183.00	S	-	-	-	-	S	-

Alternating zones of strong silica and chlorite alteration. Variably pyritic

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
115.50	115.80	5	-						
115.80	183.00	8	LB						

Alternating zones of 10% and 3% pyrite

SAMPLES

From	To	Sample	
115.50	117.00	*I*	135536

From	To	Litho	Simple Geo
183.00	**183.00**	**UNKN**	

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
117.00	119.00	*I*	135537
119.00	121.00	*I*	135538
121.00	123.00	*I*	135539
123.00	124.30	*I*	135540
124.30	125.62	*I*	135541
125.62	125.62	*I*	135542
125.62	127.35	*I*	135543

Drill Log KC11212

VTEM TARGET B

Signature: ______________________ Initials: ______

From	To	Litho	Simple Geo
0.00	**6.10**	**OVBD**	

Casing/Overburden

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
0.00	6.10	NA			0.00	6.10	-	-	-	-	-	-	-	0.00	6.10	0	-									

From	To	Litho	Simple Geo
6.10	**13.60**	**TFBX**	

Massive grey-green brecciated quartz crystal tuff-the tuff breccia. Moderately chloritic, and riddled with subrounded to subangular and ragged clots of epidote altered quart crystal tuff fragments. Alteration is moderate chlorite-weak epidote. Groundwater oxidized to 8.78m. No visible sulphides. Gradational lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
6.10	13.59	NA		VW																						
		massive																								
					6.10	13.60	M	-	-	-	-	-	-	6.10	13.60	0	-									
					Moderate chlorite-weak epidote alteration									*No visible sulphides.*												
13.59	13.60	CT		VW																						
Gradational lower contact.																										

From	To	Litho	Simple Geo
13.60	**87.30**	**QXTF**	

Massive medium to dark green, massive quartz crystal tuff. Variably chlorite-epidote altered as noted. Hematite alteration observed between 48.35m to 64.70m only. This is typical QXTF, with 12-14% overall rounded blue to grey quartz crystals, up to 6mm in size set in a fine grained variably altered matrix. Rare chloritic and fine grained tuff fragments occur; this has been observed in several drillholes within the QXTF. Moderate quartz veining; these are typically thin, cloudy to milky and low angle. Overall, trace pyrite, most notably occuring as aggregates with veins or at vein margins. Lower contact sharp at 45 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					13.60	16.50	M	-	-	-	-	-	-													
					moderate chlorite-epidote alteration																					
13.60	87.29	NA		VW																						
		massive																								
														13.60	87.30	0.05	WQV									
														race pyrite, most notably occuring as aggregates with quartz veins or at vein margins.												

From	To	Litho	Simple Geo
13.60	87.30	QXTF	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
87.29	87.30	CT	45	VW
Lower contact sharp at 45 TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
16.50	33.00	M	-	-	-	-	-	-
moderate epidote-weak chlorite alteration								
33.00	48.35	M	-	-	-	-	-	-
moderate chlorite-epidote alteration								
48.35	64.70	M	-	-	-	-	-	-
moderate chlorite-epidote-hematite alteration								
64.70	87.30	S	-	-	-	-	-	-
moderate to strong chlorite-weak to moderate epidote alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
87.30	105.37	FQXT	

Medium to light grey, and lesser medium green, well foliated, variably altered feldspar-quarz crystal crystal tuff. Chloritic and calcareous to 93.2m. Below this to the lower contact, lithology is strongly altered, with strong sericite-patchy silica-moderate carbonated alterattion. Foliation at 30 to 38TCA. Apple green, soft and soapy, foliation paralllel mineral appears to be pyrophyllite(?) or fluromuscovite. Overall, 5% pyrite as fracture controlled seams and foliation parallel bands. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
87.30	105.36	FOL	34	VW
Foliation at 30 to 38TCA.				

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
87.30	93.20	M	M	-	-	-	-	-
Chloritic and calcareous								
93.20	105.37	S	M	-	S	-	-	-
strong sericite-patchy silica-moderate carbonated alterattion.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
87.30	105.37	5	FF						
5% pyrite as fracture controlled seams and foliation parallel bands.									

SAMPLES

From	To		Sample
102.87	104.37	*I*	134448
104.37	105.37	*I*	134449

From	To	Litho	Simple Geo
87.30	105.37	FQXT	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
105.36	105.37	CT		VW

Lower contact gradational.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
105.37	117.10	FXTF	

Medium to light grey, well foliated feldspar crystal tuff. Foliation at 40 to 50 TCA to 113.2m and at 50 to 70 TCA to 115.5m, and at 70 to 80 TCA to 117.1m. Very rare siliceous feldspar crystal tuff lapilli noted. Moderate sericitization and very patchy silicification noted. Moderate Fe-carbonate alteration occurs as foliation parallel lamina and wisps. Apple green fluoromuscovite occurs sporadically. Overall, 4% fine grained banded pyrite. Lower contact is a fault contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
105.37	113.20	FOL	45	W
foliated at 40 to 50 TCA				
113.20	115.50	FOL	60	W
foliated at 50 to 70 TCA				
115.50	117.09	FOL	75	W
foliated at 70 to 80 TCA				
117.09	117.10	CT	80	S
faut contact at 80 TCA				

ALTERATION

From	To	INT	CC		DO	SR	AK	SC
105.37	117.10	M	M	-	M	-	-	M

Moderate sericitization and very patchy silicification noted. Moderate Fe-carbonate alteration occurs as foliation parallel lamina and wisps. Apple green fluoromuscovite occurs sporadically.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
105.37	117.10	4	-						

4% fine grained banded pyrite.

SAMPLES

From	To	Sample	
105.37	107.72	*I*	134450
107.72	110.07	*I*	134451
110.07	112.42	*I*	134452
112.42	112.42	*I*	134453
112.42	114.76	*I*	134454
114.76	117.10	*I*	134455

From	To	Litho	Simple Geo
117.10	118.98	FLTZ	

Intense fault gouge zone. Essentially a crushed, clay-sericite gouge zone probably of the upper FXTF, with sporadic milky white quartz veins interspersed. Aplle green fluoromuscovite/ pyrrophyylite commo. 2% pyirte as fine aggregates and occasional coarse (remobilized aggregates) Trace chalcopyrite. Lower contact in broken core.

STRUCTURES

From	To	Struct	CA	Strain
117.10	118.97	FLT		S
clay-sericite fault gouge zone				
118.97	118.98	CT		S
Lower contact in broken core.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
117.10	118.98	S	M	-	S	-	-	-
intense clay-sericite gouge								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
117.10	118.98	2	DIS		0.05				
2% pyrite as fine aggregates and occasional coarse (remobilized aggregates) Trace chalcopyrite.									

SAMPLES

From	To	Sample	
117.10	118.98	*I*	134456

From	To	Litho	Simple Geo
118.98	119.30	MSBX	

Massive sulphide breccia. Composed of 5-6% splashy chalcopyrite and 55% pyrite in an insitu breccia of silicified lapilli tuff (?) and sulphide fragments. Lower contact gradational.

STRUCTURES

From	To	Struct	CA	Strain
118.98	119.29	BD		M
breccia				
119.29	119.30	CT		M
Lower contact gradational.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
118.98	119.30	S	-	-	-	-	-	-
intense silicification								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
118.98	119.30	55	MS		5.5				
5-6% splashy chalcopyrite and 55% pyrite in an in situ breccia of silicified lapilli tuff (?) and sulphide fragments.									

SAMPLES

From	To	Sample	
118.98	119.30	*I*	134457

From	To	Litho	Simple Geo
119.30	123.45	MSPY	

Massive Bedded Pyrite with much less chalcopyrite. Bedded at 50TCA. Sulphides occur as very fine sulphide sand to sulphide mud. Locally interstital silica-very minor carbonate occurs. Moderately pitted from 120.20m to 122.87m. Occasional splashes within the interstial silica-carbonate, and dominantly as sulphoide mud mixed with pyrite. Overall, 4-5% chacopyrite and 75% pyrite. Sharp lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
119.30	119.30	*I*	134458
119.30	120.35	*I*	134459

From	**To**	**Litho**	**Simple Geo**
119.30	**123.45**	**MSPY**	

Massive Bedded Pyrite with much less chalcopyrite. Bedded at 50TCA. Sulphides occur as very fine sulphide sand to sulphide mud. Locally interstital silica-very minor carbonate occurs. Moderately pitted from 120.20m to 122.87m. Occasional splashes within the interstial silica-carbonate, and dominantly as sulphoide mud mixed with pyrite. Overall, 4-5% chacopyrite and 75% pyrite. Sharp lower contact at 80 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
119.30	123.44	BD	50	VW
Bedded at 50 TCA.				
123.44	123.45	CT	80	VW
Sharp lower contact at 80 TCA.				

ALTERATION

From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
119.30	123.45	W	W	-	-	-	-	-
minor silica carbonate alteration								

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
119.30	123.45	75	MS		4.5				
4-5% chalcopyrite and 75% pyrite.									

SAMPLES

From	*To*	*Sample*	
120.35	121.40	*I*	134460
121.40	122.45	*I*	134461
122.45	122.45	*I*	134462
122.45	123.45	*I*	134463

From	**To**	**Litho**	**Simple Geo**
123.45	**125.72**	**FXTF**	

Light grey to grey-beige foliated feldspar crystal tuff. Foliation at 60 TCA. Plag crystals are generally milky to cloudy grey-white and moderately elongate parallel to foliation. Moderately sericitized with common Fe-carbonate wisps and laminae. Tuffaceous with some lapilli and lithic fragments occuring over basal 50cm. 1-2% fine disseminated pyrite. Lower contact sharp at 60 TCA.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
123.45	125.71	FOL	60	W
Foliation at 60 TCA.				
125.71	125.72	CT	60	W
Lower contact sharp at 60 TCA.				

ALTERATION

From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
123.45	125.72	M	W	-	M	-	-	W
Moderately sericitized with common Fe-carbonate wisps and laminae.								

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
123.45	125.72	1.5	DIS						
1-2% fine disseminated pyrite.									

SAMPLES

From	*To*	*Sample*	
123.45	124.45	*I*	134464
124.45	125.72	*I*	134465

From	To	Litho	Simple Geo
125.72	150.40	LTPB	

Medium to dark grey, foliated and silicified lapilli tuff with pyrite bands. Foliation at 48 to 60 TCA. Silicification is moderate, with variable and generally weak sericite alteration. Weak to moderate Fe-carbonate laminae occur from 137.00m to 150.40m. Alteration wanes towards lower contact, which is sharp at 58 TCA. 12% pyrite as bands, laminations and heavy disseminations. Trace chalcopyrite (from one low angle fracture controlled band centered at 132.70m.

STRUCTURES				
From	To	Struct	CA	Strain
125.72	144.50	FOL	54	W
Foliation at 48 to 60 TCA.				
144.50	144.70	FLT		S
crushed/gouge zone				
144.70	150.39	FOL	54	W
Foliation at 48 to 60 TCA.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
125.72	137.00	M	-	-	VW	-	-
moderate silicification, very weak sericitization							
137.00	150.40	M	-	-	VW	-	W
moderate silicification, very weak sericitization weak to moderate Fe-carbonate alteration.							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
125.72	150.40	12	LB						
12% pyrite as bands, laminations and heavy disseminations. Trace chalcopyrite.									

SAMPLES			
From	To	Sample	
125.72	127.99	*I*	134466
127.99	130.03	*I*	134467
130.03	130.03	*I*	134468
130.03	132.07	*I*	134469
132.07	134.11	*I*	134470
134.11	136.15	*I*	134471
136.15	138.19	*I*	134472
138.19	138.19	*I*	134473
138.19	140.23	*I*	134474
140.23	142.27	*I*	134475
142.27	144.31	*I*	134476
144.31	146.34	*I*	134477
146.34	146.34	*I*	134478

From	To	Litho	Simple Geo
125.72	150.40	LTPB	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
150.39	150.40	CT	58	

Lower contact sharp at 58 TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
150.40	174.00	LLTF	

Medium green, moderately chloritized, weakly sericitized, bedded lapilli tuff. Bedding at 50 to 56 TCA. Lapilli are either lensoidal to egg-shaped, cloudy grey and siliceous/silicified, or larger tan coloured, altered ash tuff. Remnant hydrothermal alteration (ie patches of LTPB) occur sporadically. Sericite alteration is weak to moderate, exhibited as frequent partings.Overall, 3-4% pyrite as foliation parallel bands and laminations, and rarely as envelopes of lapilli.10% chacopyrite over 10cm from 164.90m to 165.00m, occuring as anastamosing bands within siliceous lapilli tuff. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain
150.40	174.00	BD	53	VW

Bedding at 50 to 56 TCA.

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
150.40	174.00	M	-	-	W	-	-	W

moderately chloritized; weak sericite as partings

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
150.40	164.90	3.5	LB						
164.90	165.00	1	LB		5				

3-4% pyrite as foliation parallel bands and laminations

1% pyrite, 5% chalcopyrite as seams and laminations

SAMPLES

From	To	Sample	
163.50	164.50	***I***	134481
164.50	165.50	***I***	134482
165.50	166.50	***I***	134483

Drill Log KC11213

VTEM TARGET B

Signature: ____________________ Initials: ________

From	**To**	**Litho**	**Simple Geo**
0.00	**6.10**	**OVBD**	

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	6.10	NA		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
0.00	6.10	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	6.10	0	-						

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
6.10	**18.75**	**QXTF**	

Pale grey and brick red (alteration) massive quartz crystal tuff. Weak chlorite-epidote alteration to 14.77m. Below this the QXTF is moderately hematized to the lower contact. Composed of 10%-12% rounded to sub-rounded blue quartz crystals up to 5mm in size set in a fine grained variably altered tuffaceous matrix. Weakly fractured, with minor groundwater oxidation over upper 12 meters. Trace pyrite. Lower contact sharp at 25 TCA.

STRUCTURES

From	To	Struct	CA	Strain
6.10	18.74	NA	25	VW
	massive			
18.74	18.75	CT	25	VW
	Lower contact sharp at 25 TCA.			

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
6.10	14.77	W	-	-	-	-	-	-
	weak chlorite-epidote alteration.							
14.77	18.75	M	-	-	-	-	-	-
	moderate hematite alteration.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.10	18.75	0	DIS						
trace disseminated pyrite									

SAMPLES

From	To	Sample

From	**To**	**Litho**	**Simple Geo**
18.75	**19.09**	**DYKE**	

Massive medium grained, plagioclase porphyritic mafic dyke. Groundmass is moderately chloritized, plagioclase are epidotized. No chill margins but veining at the upper contact is clearly truncated. No visible sulphides. Lower contact sharp at 35 TCA.

STRUCTURES

From	To	Struct	CA	Strain
18.75	19.08	NA		VW
	massive			

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
18.75	19.09	M	-	-	-	-	-	-
	Groundmass is moderately chloritized, plagioclase are epidotized.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
18.75	19.09	0	-						
No visible sulphides.									

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
18.75	**19.09**	**DYKE**	

Massive medium grained, plagioclase porphyritic mafic dyke. Groundmass is moderately chloritized, plagioclase are epidotized. No chill margins but veining at the upper contact is clearly truncated. No visible sulphides. Lower contact sharp at 35 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
19.08	19.09	CT	35	VW
Lower contact sharp at 35 TCA.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
19.09	**20.54**	**QXTF**	

Brick-red weakly hematized and epidotized massive quartz crystal tuff. No visible sulphides. Lower contact at 75 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
19.09	20.53	NA		VW
massive				
20.53	20.54	CT		VW
Lower contact at 75 TCA.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
19.09	20.54	W	-	-	-	-	-
weak epidote-hematite alteration							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
19.09	20.54	0	-						
No visible sulphides.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
20.54	**25.81**	**DYKE**	

massive mafic dyke as per 18.75m to 19.09m. Multiple dykes, with slivers of the QXTF occuring at 21.30m to 21.57m, 22.15m to 22.43m and 23.20m to 23.49m. Plagioclase crystals are slightly larger (thicker dyke) and strongly epidotized. No visible sulphides. Lower contact slightly chilled at 65 TCA.

STRUCTURES				
From	To	Struct	CA	Strain
20.54	25.80	NA		VW
massive				
25.80	25.81	CT	65	VW
Lower contact slightly chilled at 65 TCA.				

ALTERATION							
From	To	INT	CC	DO	SR	AK	SC
20.54	25.81	M	-	-	-	-	-
moderately chloritized and epidotized.							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
20.54	25.81	0	-						
No visible sulphides.									

SAMPLES		
From	To	Sample

From	To	Litho	Simple Geo
25.81	28.24	QXTF	

Variably epidote-hematite-chlorite altered, massive quartz crystal tuff. Trace pyrite overall. Lower contact in spun core.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
25.81	28.23	NA		VW																					
massive																									
					25.81	28.24	W	-	-	-	-	- -	25.81	28.24	0.05	-									
					weak epidote-hematite-chlorite								Trace pyrite overall.												
28.23	28.24	CT																							
Lower contact in spun core.																									

From	To	Litho	Simple Geo
28.24	29.98	DYKE	

Mafic dyke as per 20.54m to 25.81m. Lower contact somewhat diffuse.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
28.24	29.97	NA		VW																					
massive																									
					28.24	29.98	M	-	-	-	-	- -	28.24	29.98	0	-									
					moderate chlorite-weak epidote alteration.								no visible sulphides.												
29.97	29.98	CT		VW																					
Lower contact somewhat diffuse.																									

From	To	Litho	Simple Geo
29.98	35.76	QXTF	

Moderately epidotized, weakly chloritized massive quartz crystal tuff. Several narrow (less than 10cm thick) fingers of the medium grained mafic dyke intrude.
No visible sulphides. Lower contact sharp at 55 TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
29.98	35.75	NA		VW																					
massive																									
					29.98	35.76	M	-	-	-	-	- -	29.98	35.76	0	-									
					moderate epidote-weak chlorite alteration.								No visible sulphides.												
35.75	35.76	CT	55	VW																					
Lower contact sharp at 55 TCA.																									

From	To	Litho	Simple Geo
35.76	**36.68**	**DYKE**	

massive plagioclase porphyritic mafic dyke as per 20.54m to 25.81m. Diffuse lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To		INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
35.76	36.67	NA		VW																						
		massive																								
					35.76	36.68	M	-	-	-	-	-	-	35.76	36.68	0	-									
					moderate chlorite-weak epidote alteration.									*no visible sulphides.*												
36.67	36.68	CT		VW																						
		diffuse lower contact																								

From	To	Litho	Simple Geo
36.68	**74.99**	**TFBX**	

Dominantly chloritized quartz crystal tuff breccia. Composed of ragged, epidotized fragments of the quartz crystal tuff in a matrix of chloritized quartz crystal tuff. The exception is the top of the unit, down to 45.00m, where the breccia fragmentss are hematized and epidotized quartz crystal tuff. Irregular, low angle carbonate veins occur frequently down to 46.65m. Below 45.00m, unit has a mottled to patchwork appearance; this is due to the numerous epidote altered quartz crystal tuff fragments that occur within a chloritized quartz crystal tuff matrix. From 57.18m to 59.10m, a reversal is noted, where chloritized thumbnail to football sized chloritized QXTF fragments are set in an epidote to epidote-carbonate cement. Frequency of fragmnets wanes toward lower contact, which is gradational, demarcated roughly by the last breccia fragment occurrence.1% disseminated pyrite.
63.40m to 63.77m: milky and vuggy low angle quartz vein with 0.5% coarse pyrite

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To		INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					36.68	45.00	M	-	-	-	-	-	-													
					moderate epidote hematite alteration																					
36.68	74.98	BX		M																						
		breccia																								
														36.68	74.99	0.1	DIS									
														1% disseminated pyrite.												
					45.00	74.99	M	-	-	-	-	-	-													
					modetrate to intense chlorite-epidote alteration.																					
74.98	74.99	CT																								
		gradational lower contact																								

From	To	Litho	Simple Geo
74.99	**100.28**	**QXTF**	

Massive, variably altered quartz crystal tuff. Bleached and calcareous from upper contact down to 80.79m, chlorite-epidote altered below this to 94.49m with 0.25% disseminated pyrite. From 94.49m to 100.28m, the QXTF is completely obliterated/disrupted by carbonate flooding (essentially a hydraulic breccia) that have a dominant orientation of 45 TCA, although lesser cross-cutting veins do occur. Minor fluoromuscovite noted. 2% pyrite along carbonate vein margins. Lower contact gradational.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
					74.99	80.79	M	M	- -	-	-	-													
					Bleached and calcareous																				
74.99	94.49	NA		VW									74.99	94.49	0.25	DIS									
		massive											*0.25% disseminated pyrite.*												
					80.79	94.49	M	M	- -	-	-	-													
					moderate chlorite-epidote alteration																				
94.49	94.49	CT		VW																					
Lower contact obscured by carbonate veining.																									
94.49	100.27	BX	45	S																					
hydrothermal breccia with crude orientation at 45 TCA																									
					94.49	100.28	S	S	- -	-	-	-	94.49	100.28	2	SL									
					carbonate flooding and brecciation.								*2% pyrite along carbonate vein margins.*												
100.27	100.28	CT		S																					
Lower contact gradational.																									

From	To	Litho	Simple Geo
100.28	**126.84**	**FXTF**	

Strongly altered, foliated feldspar crystal tuff with minor interbedded ash tuff. Foliation at 45 to 55 TCA. Alteration is moderate to strong sericitization, patchy silicification, moderate Fe-carbonate as foliation parallel laminae, and sporadic fluoromuscovite. Milky barren quartz vein occurs at 121.95m to 122.70m. From 123.00m to 126.84m, alteration consists additionally of a very soft grey, translucent slippery mineral that imparts an overall mottled texture. Overall pyrite content is 6% with pyrite occuring as irregular fine grained bands and as semi-massive bands up to 6cm thick. Lower contact sharp at 48 TCA.

123.73m to 126.84m: Over this interval, unit is kinked and highly deformed. Chalcopyrite occurs as coarse rmobilized knots and fracture filles both within the FXTF and in milky quartz veins that weave in and out of core axis. Coarse bornite blebs noted in one such vein from 125.06m to 125.15m. Overall, 3-4% chalcopyrite, 0.1% bornite and 3% pyrite.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							100.28	102.50	***I*** 134484
													100.28	123.73	6	LB									
													generall foliation-parallel pyrite bands												

From	To	Litho	Simple Geo
100.28	126.84	FXTF	

Strongly altered, foliated feldspar crystal tuff with minor interbedded ash tuff. Foliation at 45 to 55 TCA. Alteration is moderate to strong sericitization, patchy silicification, moderate Fe-carbonate as foliation parallel laminae, and sporadic fluoromuscovite. Milky barren quartz vein occurs at 121.95m to 122.70m. From 123.00m to 126.84m, alteration consists additionally of a very soft grey, translucent slippery mineral that imparts an overall mottled texture. Overall pyrite content is 6% with pyrite occuring as irregular fine grained bands and as semi-massive bands up to 6cm thick. Lower contact sharp at 48 TCA.

123.73m to 126.84m: Over this interval, unit is kinked and highly deformed. Chalcopyrite occurs as coarse rmobilized knots and fracture filles both within the FXTF and in milky quartz veins that weave in and out of core axis. Coarse bornite blebs noted in one such vein from 125.06m to 125.15m. Overall, 3-4% chalcopyrite, 0.1% bornite and 3% pyrite.

STRUCTURES				
From	To	Struct	CA	Strain
100.28	126.83	FOL	50	M

Foliation at 45 to 55 TCA

ALTERATION								
From	To	INT	CC	DO	SR		AK	SC
100.28	126.84	S	W	-	S	-	-	M

moderate to strong sericitization, patchy silicification, moderate fe-carbonate as foliation parallel laminae, and sporadic fluoromuscovite.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
123.73	126.84	3	DIS		3.5	0.1			

3%-4% chalcopyrite, 0.1% bornite and 3% pyrite.

SAMPLES			
From	To	Sample	
102.50	104.72	*I*	134485
104.72	106.94	*I*	134486
106.94	109.16	*I*	134487
109.16	109.16	*I*	134488
109.16	111.37	*I*	134489
111.37	113.58	*I*	134490
113.58	115.79	*I*	134491
115.79	118.00	*I*	134492
118.00	120.21	*I*	134493
120.21	122.73	*I*	134494
122.73	122.73	*I*	134495
122.73	123.73	*I*	134496
123.73	124.77	*I*	134497
124.77	125.81	*I*	134498
125.81	125.81	*I*	134499

From	To	Litho	Simple Geo
100.28	126.84	FXTF	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*

126.83 126.84 CT 48 M

Lower contact sharp at 48 TCA.

From	To	Litho	Simple Geo
126.84	127.98	CBEX	

Medium grey, faintly bedded, fine grained carbonate exhalite. Bedding at 80 TCA. Spotty fluoromuscovite on fractures. 5%-6% chalcopyrite as coarse fracure fills and in one location as fine grained sulphide mud with carbonate. 3% coarse pyrite filling fractures. Lower contact irregular.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*

126.84 127.97 BD 80 VW

Bedding at 80 TCA

126.84 127.98 VW W - S - - -

spotty fluoromuscovite on fractures.

126.84 127.98 3 FF 5.5

5%-6% chalcopyrite as coarse fracure fills and in one location as fine grained sulphide mud with carbonate. 3% coarse pyrite filling fractures.

126.84 127.98 *I* 134501

127.97 127.98 CT VW

Lower contact irregular.

From	To	Litho	Simple Geo
127.98	129.00	MSBX	

Massive sulphide breccia; matrix is grey cryptocrystalline silica spotted with dolomite crystals. Calcite occurs on later fractures. 3-4% splashy chalcopyrite, 55% pyrite. Gradational lower contact.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*

127.98 128.99 BX M

breccia

127.98 129.00 M VW W - - - -

silicified, minor dolomite crystals and very weak clacite on fractures

127.98 129.00 55 CS

3-4% splashy chalcopyrite, 55% pyrite.

127.98 129.00 *I* 134502

128.99 129.00 CT W

Gradational lower contact.

From	To	Litho	Simple Geo
129.00	131.16	MSPY	

Bedded massive pyrite. Bedding at 60 to 65 TCA. Overall, 5%-6% chalcopyrite (mostly from a single cpy-rich band from 130.30m to 130.45m) and 70% pyrite. Gradational lower contact.

STRUCTURES

From	To	Struct	CA	Strain
129.00	131.15	BD	63	VW
Bedding at 60 to 65 TCA				
131.15	131.16	CT		VW
Gradational lower contact.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
129.00	131.16	-	-	-	-	-	-	-
no significant alteration								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
129.00	131.16	70	MS		5.5				
5%-6% chalcopyrite (mostly from a single cpy-rich band from 130.30m to 130.45m) and 70% pyrite.									

SAMPLES

From	To	Sample
129.00	130.08	*I* 134503
130.08	131.16	*I* 134504

From	To	Litho	Simple Geo
131.16	131.97	MSBX	

Massive sulphide breccia, consisting of coarse remobilzed chalcopyrite and pyrite in a silica rich matrix spotted with dolomite crystals. 6cm quartz vin with coarse pyrite and fluoromuscovite occurs centered at 131.32m. The basal 22cm of this unit is comprised of coarse networked chalcopyrite in a well foliated, schistose tuffaceous lithology. The chalcopyrite overall occurs as anasatmosing and ragged clots, braids and splashes exploiting fractures. Overall, 10% chalcopyrite and 25% pyrite. Sharp lower contact at 80 TCA.

STRUCTURES

From	To	Struct	CA	Strain
131.16	131.96	BX		M
brecciated				
131.96	131.97	CT	80	W
Sharp lower contact at 80 TCA.				

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
131.16	131.97	M	-	-	-	-	-	-
moderate silica dolomite-weak fluoromuscovite alteration.								

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
131.16	131.97	25	MLB		10				
10% chalcopyrite and 25% pyrite									

SAMPLES

From	To	Sample
131.16	131.97	*I* 134505

From	To	Litho	Simple Geo
131.97	**143.91**	**LTPB**	

Medium to light grey, well foliated lapilli tuff with pyrite bands. Moderately to well sericitized, weak to moderate Fe-carbonate laminae. Sporadic but locally intense fluoromuscovite bands noted. Rare milky and barren quartz veins noted. Foliation at 50 to 60 TCA. 18% to 20% pyrite as laminations and semi-massive bands (up to 20cm thick).Sharp lower contact at 60 TCA.

STRUCTURES

From	To	Struct	CA	Strain
131.97	143.90	FOL	55	VW
foliation at 50 to 60 TCA				
143.90	143.91	CT	60	VW
Sharp lower contact at 60 TCA.				

ALTERATION

From To INT CC DO SR AK SC

131.97 143.91 M - - M - - W

Moderately to well sericitized, weak to moderate Fe-carbonate laminae. Sporadic but locally intense fluoromuscovite bands noted.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
131.97	143.91	19	LB						

18% to 20% pyrite as laminations and semi-massive bands (up to 20cm thick).

SAMPLES

From	To	Sample	
131.97	131.97	I	134506
131.97	132.97	I	134507
132.97	134.47	I	134508
134.47	136.58	I	134509
136.58	138.69	I	134510
138.69	140.80	I	134511
140.80	140.80	I	134512
140.80	142.35	I	134513
142.35	143.91	I	134514
143.91	144.91	I	134515
144.91	146.41	I	134516

From	To	Litho	Simple Geo
143.91	**153.00**	**LLTF**	

Light turquoise green bedded lapilli tuff. Bedding at 50 to 56 TCA. Weak to sericite alteration, except where waning hydrothermal alteration results in more intense sericitization and pyritization. Overall, 1%-2% pyrite, concentrated in the narrow LTPB bands. End of Hole.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
143.91	**153.00**	**LLTF**	

Light turquoise green bedded lapilli tuff. Bedding at 50 to 56 TCA. Weak to sericite alteration, except where waning hydrothermal alteration results in more intense sericitization and pyritization. Overall, 1%-2% pyrite, concentrated in the narrow LTPB bands. End of Hole.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
143.91	153.00	BD	53	VW

bedded at 50 to 55 TCA.

ALTERATION									
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
143.91	153.00	W	-	-	W	-	-	-

overall weak sericite alteration

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
143.91	153.00	1.5	LB						

1%-2% pyrite, concentrated in the narrow LTPB bands.

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
0.00	**6.10**	**OVBD**	

Overburden - casing

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
0.00	6.10	NA		

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
0.00	6.10	-	-	-	-	-	-	-

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
0.00	6.10	0	-						

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
6.10	**89.00**	**QXTF**	

Quartz Crystal Tuff. Classic coarse-grained hangingwall tuff unit. Crystal-crowded (>50% crystals). Blue-grey quartz grains range up to 1.2cm across. Dusting of very fine-grained epidote alteration overprint. Core to bedding angle 68 deg TCA at 22m. Minor large fine-grained mafic clasts. Variable pale lime-green colour (epidote); brick red (hematization); and light grey sections. Intercalated crystal-free medium green ash beds below 31m. No sulphides noted to 32m. Core to bedding 46 deg TCA at 36m. Minor scattered random white quartz veinlets (<1.5cm thick).
Epidote alteration abruptly becomes more intense below 42m; core is lime green.
Bedding angle 65 deg TCA at 58.5m.
Bedding angle 65 deg TCA at 77m.
Thin alternating bands of bleached, palest green sericite alteration begin at 85.8m
Abrupt basal contact.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
6.10	34.00	BD	65	
34.00	89.00	BD	65	

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
6.10	85.00	S	-	-	M	-	-	-
85.00	89.00	W	-	-	M	-	-	-

6.10–85.00: *Strong epidote throughout.*

85.00–89.00: *Weak to moderte bands of sericite alteration over lower 4m.*

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
6.10	89.00	0.1	DIS						

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
89.00	**98.60**	**LTPB**	

Strongly altered, weakly pyritic Lapilli Tuff. Strong sericite and sparse fluoromuscovite alteration. 5% pyrite overall as bands and blebs. Rock is coarse, clast-rich lapilli tuff.
Bedding or foliation at 59 deg TCA at 96.5m.
There are still many thin quartz-crystal-rich layers within this unit, so the QXTF / LLTF contact is complexly intercalated.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*

ALTERATION							
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*

SAMPLES			
From	*To*	*Sample*	
89.00	91.00	*I*	135579

From	To	Litho	Simple Geo
89.00	**98.60**	**LTPB**	

Strongly altered, weakly pyritic Lapilli Tuff. Strong sericite and sparse fluoromuscovite alteration. 5% pyrite overall as bands and blebs. Rock is coarse, clast-rich lapilli tuff.
Bedding or foliation at 59 deg TCA at 96.5m.
There are still many thin quartz-crystal-rich layers within this unit, so the QXTF / LLTF contact is complexly intercalated.

STRUCTURES

From	To	Struct	CA	Strain
89.00	98.60	BD	59	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
89.00	98.60	S	-	-	M	-	S	-

Rare fluoromuscovite flecks.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
89.00	98.60	5	LB						

Local patches and up to 10% pyrite bands.

SAMPLES

From	To	Sample	
91.00	93.00	*I*	135580
93.00	95.00	*I*	135581
95.00	95.00	*I*	135582
95.00	97.00	*I*	135583
97.00	97.00	*I*	135584
97.00	99.00	*I*	135585

From	To	Litho	Simple Geo
98.60	**107.60**	**ASHT**	

Fine ash tuff. Medium green. With rare dark lapilli and abundantly speckled with fine overprinted carbonate knots (some workers have logged this unit a feldspar crystal tuff, but the white grains are spaced equidistant - so no crystal sorting).
Dark green to medium green overall.

STRUCTURES

From	To	Struct	CA	Strain
98.60	107.60	BD	73	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
98.60	107.60	M	M	-	M	-	-	-

Moderate chlorite alteration

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
98.60	107.60	0.5	DIS						

SAMPLES

From	To	Sample	
99.00	101.00	*I*	135586
101.00	103.00	*I*	135587
103.00	105.00	*I*	135588
105.00	105.00	*I*	135589
105.00	107.00	*I*	135590
107.00	109.00	*I*	135591

From	**To**	**Litho**	**Simple Geo**
107.60	**114.00**	**LTPB**	

Pale, strongly silicified, moderately sericitized, weakly pyritized lapilli tuff. Resembles a silicieous exhalite unit, but we can still identify the original lithology. Paper thin partings lined by sericite and lesser buff-orange ferro-dolomite. Some large lapilli clasts are evident. But there are bands within this unit that are so strongly silcified that they resemble chert. 0.5 to 1% disseminated pyrite throughout.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
107.60	114.00	BD	53	

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
107.60	114.00	S	W	-	S	-	S	-

Sercite, silica, and weak ferro-dolomite

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
107.60	114.00	1	DIS						

SAMPLES			
From	*To*	*Sample*	
109.00	111.00	*I*	135592
111.00	111.00	*I*	135593
111.00	113.00	*I*	135594
113.00	115.00	*I*	135595

From	**To**	**Litho**	**Simple Geo**
114.00	**119.10**	**ASHT**	

Medium green fine ash tuff. Dotted with fine speckled dolomite knots.
Bedding at 58 deg TCA.
Core becomes partially sericitized and crumbly towards base of unit.
No lapilli noted.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
114.00	119.10	BD	58	

ALTERATION								
From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
114.00	119.10	M	W	M	S	-	-	-

Chlorite, and carbonate knots

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
114.00	119.10	0.5	DIS						

SAMPLES			
From	*To*	*Sample*	
115.00	117.00	*I*	135596
117.00	119.00	*I*	135597
119.00	121.00	*I*	135598

From	**To**	**Litho**	**Simple Geo**
119.10	**165.00**	**LTPB**	

Lapilli Tuff with pyrite bands. Strongly silicified, white. Variably pyritized with locally up to 25% bands of fine granular pyrite. Bedding 60 deg TCA. Becomes weakly chloritic below 123m, with possible trace fluoromuscovite(?). Fine partings of ferro-dolomite below 133m. Rock is variably strongly silicified, strongly sericitic, or weakly chloritic to EOH. In places lapilli is crowded, elsewhere clasts are sparse. Below 125m pyrite content varies from 0% to 20%.
Bedding/foliation at 151.2m is 73 deg TCA.
Alternating silicified (+pyrite) and chloritic zones continue to EOH at 165.0m.

STRUCTURES

From	*To*	*Struct*	*CA*	*Strain*
119.10	120.00	BD	60	
120.00	151.00	BD	73	

ALTERATION

From	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	
119.10	165.00	S	W	-	S	-	VS	-

Weak to moderate chlorite. Alternating alteration zones.

MINERALIZATION

From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
119.10	165.00	10	LB						

Bands of massive pyrite. 0% to 25% of rock.

SAMPLES

From	*To*	*Sample*	
121.00	121.00	*I*	135599
121.00	123.00	*I*	135600
123.00	125.00	*I*	135601
125.00	127.00	*I*	135602
127.00	129.00	*I*	135603
129.00	131.00	*I*	135604
131.00	131.00	*I*	135605
131.00	133.00	*I*	135606
133.00	135.00	*I*	135607
135.00	137.00	*I*	135608
137.00	139.00	*I*	135609
139.00	139.00	*I*	135610
139.00	141.00	*I*	135611
141.00	143.00	*I*	135612
143.00	145.00	*I*	135613
145.00	147.00	*I*	135614
147.00	149.00	*I*	135615
149.00	151.00	*I*	135616

From	To	Litho	Simple Geo
119.10	**165.00**	**LTPB**	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
151.00	165.00	BD	70																						
																							153.00	155.00	***I*** 135619
																							155.00	157.00	***I*** 135620
																							157.00	159.00	***I*** 135621
																							159.00	161.00	***I*** 135622
																							161.00	163.00	***I*** 135623
																							163.00	165.00	***I*** 135624

Drill Log KC11215

Unknown

Signature: ____________________ Initials: ______

From	To	Litho	Simple Geo
0.00	**24.00**	**OVBD**	

Overburden. 2m of tumbled rubble recovered.

STRUCTURES

From	To	Struct	CA	Strain
0.00	24.00	NA		

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
0.00	24.00	-	-	-	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	24.00	0	-						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
24.00	**74.00**	**LTPB**	**TUFF**

Strongly altered lapilli tuff. Silicified and pyritized.
This is classic footwall rock to the Main deposit. This drillhole may have been collared too deep in the stratigraphy (too far south in the valley).
Weak fluoromuscovite alteration from 24m to 30.5m - this could be very intense sercite or mixed sericite-chlorite alteration (colour is not quite vibrant enough for fluoromica).
Coarse lapilli tuff with overprinted silica flooding, granular pyrite beds, bands and seams, and giant knots (up to 4 cm across) of pale-buff weathering ferro-dolomite rhombs and aggregates of coarse rhombs.
Local semi-massive pyritic bands, up to 10 cm thick, but overall pyrite content averages 5% to 37m.
Rock remains palest grey to light grey to 85m.
Bedding at 60 deg TCA at 30m.
Over some sections, lapilli are absent or altered beyond recognition; other sections are strongly silicified and resemble crackled chert. All altered rocks have overprinted bands of pyrite.
Foliation at 60m 65 TCA.
Below 47m rock begins to break up like Paper Schist; intensity increases with depth.
Trace blebs of bright chalcopyrite within a 15cm-thick semi-massive pyrite bed at 45m.
Another interval of palest sea-foam green sericite alteration from 54m to 64m, then back into white silicified core, breaking into thin discs.
Faulted zone from 56.5m to 63m.
Fault at 68m to 72m; major crush and gouge zone, with 2m screen of semi-intact Paper Schist within.

STRUCTURES

From	To	Struct	CA	Strain
24.00	30.00	BD	60	
30.00	56.50	BD	65	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
24.00	74.00	S	-	S	M	-	S	-

Variable overprinting by silica, sericite, ferro-dolomite, fluoromuscovite(?) and pyritization

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
24.00	74.00	5	LB						

SAMPLES

From	To	Sample	
27.00	29.00	*I*	135625
29.00	31.00	*I*	135626
31.00	33.00	*I*	135627
33.00	35.00	*I*	135628
35.00	37.00	*I*	135629

From	To	Litho	Simple Geo	
24.00	**74.00**	**LTPB**	**TUFF**	**(Continued from previous page)**

STRUCTURES

From	To	Struct	CA	Strain
56.50	63.00	FLTZ		
63.00	68.00	BD	65	
68.00	72.00	FLTZ		
72.00	74.00	BD	68	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
60.00	64.00	*I*	135642
64.00	66.00	*I*	135643
66.00	68.00	*I*	135644
68.00	68.00	*I*	135645
68.00	72.00	*I*	135646
72.00	76.00	*I*	135647

From	To	Litho	Simple Geo
74.00	**102.00**	**ASHT**	**TUFF**

Ash tuff. Fine to coarse - mainly thin-bedded fine ash tuff. Overprinted by strong and variable alteration: silica, sericite, chlorite, ferro-dolomite and pyrite
Approximate (gradational) upper and lower contacts.
Strongly bleached and palest grey to bone-coloured to 85m, then progressively more chloritized until rock becomes dark green colour by 87m. Strong chlorite alteration persists to 103m.
Variable pyrite as wisps, disseminations, laminae and beds or bands of semi-massive pyrite up to 15cm thick. Local coarse euhedral pyrite cubes overprinted as well.
Below 92m, scattered, coarse (1 cm) euhedral dolomite rhombs develop in the rock.

STRUCTURES

From	To	Struct	CA	Strain
74.00	102.00	BD	80	

Bedding/foliation ranges from 80 to 90 deg TCA.

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
74.00	85.00	S	-	-	M	-	S	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
74.00	102.00	5	DIS						

Pyrite as disseminations and bands. Amount increases slightly with depth

SAMPLES

From	To	Sample	
76.00	78.00	*I*	135648
78.00	80.00	*I*	135649
80.00	82.00	*I*	135650
82.00	84.00	*I*	135651
84.00	84.00	*I*	135652
84.00	86.00	*I*	135653

From	To	Litho	Simple Geo
74.00	**102.00**	**ASHT**	**TUFF**

(Continued from previous page)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
					85.00	102.00	S	-	-	M	-	-	-														
					Chlorite, pyrite, dolomite																						
																								86.00	86.00	I	135654
																								86.00	88.00	I	135655
																								88.00	88.00	I	135656
																								88.00	90.00	I	135657
																								90.00	92.00	I	135658
																								92.00	92.00	I	135659
																								92.00	94.00	I	135660
																								94.00	96.00	I	135661
																								96.00	98.00	I	135662
																								98.00	100.00	I	135663
																								100.00	102.00	I	135664

From	To	Litho	Simple Geo
102.00	**114.00**	**LTPB**	

Lapili tuff. Strongly altered with overprinted silica, sericite and pyrite.
Ferro-dolomite present as coarse rhombs and as thin, fine, pale buff-peach laminae.
Bedding at 70 TCA at 111m.
Pyrite 8% from 102m to 114m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
																								102.00	104.00	I	135665
102.00	111.00	BD	70																								
					102.00	114.00	S	-	-	S	-	M	-	102.00	114.00	8	LB										
					Moderate pyritization																						
																								104.00	106.00	I	135666
																								106.00	108.00	I	135667

From	To	Litho	Simple Geo
102.00	114.00	LTPB	

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
111.00	114.00	BD	70	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
112.00	114.00	*I*	135670

From	To	Litho	Simple Geo
114.00	157.73	ASHT	TUFF

Ash Tuff. Fine to coarse, with fine ash tuff dominant. Strongly altered pale grey rock to 125m. This is variably silicified and alternately sericitic and soft. No reaction to acid. 4% pyrite overall. Buff ferro-dolomite partings and a few large euhedral ferro-dolomite rhombs to 116m.
Rock is dark to medium green from 125m to 129m. Dolomite alteration increases to 130m, but pyrite content drops to 2% and changes from bands and laminae to coarse-grained disseminated "shotgun" pyrite.
Bleaching returns abruptly around 130m and continues to end of hole.
Below 130m this rock is silicified and sericitized (and carbonate altered?) fine ash tuff with 4% pyrite as bands. No reaction to acid.
Blebs and thin laminae of chalcopyrite spread over 15cm at 150m. A few more blebs at 150.8m.
Coarse ferro-dolomite rhombs reappear below 150m.

STRUCTURES

From	To	Struct	CA	Strain
114.00	157.73	BD	80	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
114.00	125.00	S	-	-	M	-	M	-
125.00	129.00	S	-	-	S	-	-	-

Chlorite

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
114.00	157.73	4	LB		0.1				

Trace chalcopyrite

SAMPLES

From	To	Sample	
114.00	116.00	*I*	135671
116.00	118.00	*I*	135672
118.00	120.00	*I*	135673
120.00	122.00	*I*	135674
122.00	122.00	*I*	135675
122.00	124.00	*I*	135676
124.00	126.00	*I*	135677
126.00	128.00	*I*	135678
128.00	128.00	*I*	135679
128.00	130.00	*I*	135680

From	To	Litho	Simple Geo
114.00	157.73	ASHT	TUFF

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
129.00	157.73	S	-	-	M	-	M	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

SAMPLES

From	To	Sample	
130.00	132.00	*I*	135681
132.00	134.00	*I*	135682
134.00	136.00	*I*	135683
136.00	138.00	*I*	135684
138.00	140.00	*I*	135685
140.00	142.00	*I*	135686
142.00	142.00	*I*	135687
142.00	144.00	*I*	135688
144.00	146.00	*I*	135689
146.00	148.00	*I*	135690
148.00	149.90	*I*	135691
149.90	152.00	*I*	135692
152.00	152.00	*I*	135693
152.00	154.00	*I*	135694
154.00	156.00	*I*	135695
156.00	158.00	*I*	135696

From	To	Litho	Simple Geo
157.73	192.00	LTPB	TUFF

Lapilli tuff. Strongly bleached; weakly pyritic.
Strongly silicified, weakly to moderately sericitized.
2.5% pyrite overall.
Bedding at 73 TCA at 174m.
Trace chalcopyrite and sphalerite at 173.28m.
Overprinted large cream-coloured dolomite rhombs or knots with blurred outlines developed below 170m and reach 15% to 20% of rock by 192m.

STRUCTURES

From	To	Struct	CA	Strain
157.73	192.00	BD	73	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC	
157.73	192.00	S	-	-	W	-	S	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
157.73	192.00	2.5	LB	0.1	0.1				

SAMPLES

From	To	Sample	
158.00	160.00	*I*	135697
160.00	160.00	*I*	135698
160.00	162.00	*I*	135699
162.00	164.00	*I*	135700
164.00	164.00	*I*	135701
164.00	166.00	*I*	135702
166.00	168.00	*I*	135703
168.00	170.00	*I*	135704
170.00	172.00	*I*	135705
172.00	174.00	*I*	135706
174.00	174.00	*I*	135707
174.00	176.00	*I*	135708
176.00	178.00	*I*	135709
178.00	180.00	*I*	135710
180.00	182.00	*I*	135711
182.00	184.00	*I*	135712
184.00	184.00	*I*	135713
184.00	186.00	*I*	135714
186.00	188.00	*I*	135715
188.00	190.00	*I*	135716

Drill Log KC11216A

Unknown

Signature: ______________________ Initials: ______

From	To	Litho	Simple Geo
0.00	**14.90**	**OVBD**	**CASE**

Overburden - cased

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
0.00	14.90	NA		

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
0.00	14.90	-	-	-	-	-	-	-

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
0.00	14.90	0	-						

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
14.90	**21.80**	**GMDS**	**PMDS**

Black Mudstone; graphitic. Bedding 82 deg TCA. Scattered bright pyritic laminae; 0.5% pyrite overall. Thin pale grey carbonate laminae and limestone rip-up clasts react to acid.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
14.90	21.80	BD	82	

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
14.90	21.80	S	M	-	-	-	-	-

Strong gaphitic mudstone; minor carbonate lamellae.

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
14.90	21.80	0.5	LB						

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
21.80	**126.84**	**LMST**	

Light to medium grey limestone; massive to mottled to to bedded to oolitic (?) to crackled to brecciated. Bedding at 24m undulates but averages 53 deg TCA. Cut by many coarse white calcite veinlets. Dissolution zone 48m to 53m. Apparent bedding at 94m at 72 deg TCA.

STRUCTURES				
From	*To*	*Struct*	*CA*	*Strain*
21.80	24.00	BD	53	
	Undulates			
24.00	94.00	BD	72	
94.00	126.84	BD	59	
Foliation/bedding at 124.5m				

ALTERATION								
From	*To*	*INT*	*CC*	*DO*		*SR*	*AK*	*SC*
21.80	126.84	W	M	-	-	-	-	-

Late coarse calcite veins

MINERALIZATION									
From	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*
21.80	126.84	0	-						

No sulphides noted

SAMPLES		
From	*To*	*Sample*

From	To	Litho	Simple Geo
126.84	**131.20**	**ASHT**	

Interbedded ash and limestone. Reworked fine felsic ash tuff and thin carbonate laminae. This is a finely intercalated transition unit which must be Late Triassic in age (same age as the limestone). Fine ash is pale lime green colour (weakly epidotized) - so fine it looks like greenish-yellow mud laminae. One intact 8cm-thick limestone bed. 1% to 1.5% fine pyrite as disseminations and thin laminae.
Sharp upper and lower contacts.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
126.84	131.20	BD	85		126.84	131.20	W	W	-	-	-	-	-	126.84	131.20	1.5	DIS									
	range 80-90 TCA				*weak epidote alteration of fine ash (?)*																				

From	To	Litho	Simple Geo
131.20	**132.31**	**QXTF**	

Fine-grained quartz crystal tuff. Crystal-crowded. Pale grey-green. Bedding at 74 deg TCA.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
131.20	132.31	BD	74		131.20	132.31	M	M	-	-	-	M	-	131.20	132.31	0	-								

From	To	Litho	Simple Geo
132.31	**146.98**	**ASLT**	

Mixed fine ash tuff and lapilli tuff. Overall light to medium greyish green. A strongly bleached and sericitized interval from 143.5m to 145.4m.
Distinctly pyrite-free with one thin pyrite lamina at 145.40m.
Bedding ranges from 62 to 80 deg TCA - averages 75 TCA.
Rock is intermediate to felsic (?) composition lapilli tuff - possibly even an altered mafic ash & lapilli tuff.
Lapilli clasts vary from mafic to bull quartz.
Upper part of this unit has a strong reaction to acid - many thin carbonate laminae - indicating ash depositing in a basin that is also accumulating carbonate mud.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
132.31	146.98	BD	75		132.31	146.98	M	M	-	-	-	S	-	132.31	146.98	0	-								
					Local strong sericite. Elsewhere moderate chlorite and epidote. Carbonate flooding and carbonate laminae in upper part of unit.																				

From	To	Litho	Simple Geo
146.98	**179.42**	**ASHT**	

Mafic coarse ash tuff. Dark green to medium greenish grey colour. Moderately to strongly chloritic.
Bedding averages 76 deg TCA to 173.0m
At 150.4m there is 23cm of interbedded chert and jasper.
Weak to moderate reaction to acid everywhere. This is not overprinted carbonate alteration; this is coarse mafic ash accumulating in a basin that is also accumulating carbonate mud.
One thin bed of fine felsic lapilli tuff from 175.16m to 176.41m.
Core is bleached from 176.41m to 177.2m.
O.5% fine bright disseminated pyrite.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
146.98	173.00	BD	76		146.98	173.00	S	M	-	-	-	-	-	146.98	173.00	0.5	DIS									
					Chlorite. Carbonate																					
173.00	179.42	BD	70		173.00	179.42	S	M	-	-	-	-	-	173.00	179.42	0.5	DIS									

From	To	Litho	Simple Geo
179.42	**186.41**	**LLTF**	

Pale green felsic lithic lapilli tuff. Clast-crowded. Heterolithic felsic clasts. Weak sericite alteration. No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
179.42	186.41	BD	76		179.42	186.41	W	-	-	W	-	-	-	179.42	186.41	0	-									

From	To	Litho	Simple Geo
186.41	**188.21**	**VSLT**	

Buff-brown tuffaceous siltstone. Thin bedded / finely bedded at 77 TCA. Scattered fine fragments. Sharp upper and lower contacts. No pyrite noted. Fine ferro-dolomite alteration (?)

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
186.41	188.21	BD	77		186.41	188.21	W	-	VW	-	-	-	-	186.41	188.21	0	-									

From	To	Litho	Simple Geo
188.21	**191.76**	**LLTF**	

Light grey felsic lapilli tuff. Crowded clasts of heterolithic felsic debris. Similar to overlying unit 2m up-section. Large rhyolite porphyry clasts. Bedding at 70 TCA. No pyrite noted. No reaction to acid.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
188.21	191.76	BD	70		188.21	191.76	W	-	-	-	-	W	-	188.21	191.76	0	-									

From	To	Litho	Simple Geo
191.76	210.00	ASHT	

Coarse mafic ash tuff. Medium to dark grey. Bedding at 71 TCA. No pyrite noted. Fine scattered ferro-dolomite flecks overprinted throughout. Scattered bull quartz veins from 199m to 202m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
191.76	210.00	BD	71		191.76	210.00	W	-	W	-	-	-	-	191.76	210.00	0	-									

Fine scattered ferro-dolomite flecks throughout.

From	To	Litho	Simple Geo
210.00	210.38	LLTF	

Coarse, felsic lithic lapilli tuff. Coarse scattered clasts of ivory rhyolite only. Light green-grey. No pyrite noted. Bedding at 66 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
210.00	210.38	BD	66		210.00	210.38	VW	-	-	-	-	VW	-	210.00	210.38	0	-									

From	To	Litho	Simple Geo
210.38	226.14	ASHT	

Mafic coarse ash tuff. Faintly medium-bedded. Bedding at 60 TCA. No pyrite noted. Fine overprinted buff ferro-dolomite flecks throughout. Scattered bull quartz veins 214m to 218m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
210.38	226.14	BD	60		210.38	226.14	W	-	W	-	-	-	-	210.38	226.14	0	-									

From	To	Litho	Simple Geo
226.14	230.86	LLTF	

Felsic lithic lapilli tuff. Distinctly thin-bedded and well bedded. Clast-crowded; highly siliceous clasts only. Bedding at 50 TCA. No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
226.14	230.86	BD	50		226.14	230.86	W	-	-	-	-	W	-	226.14	230.86	0	-									

From	To	Litho	Simple Geo
230.86	**241.67**	**ASHT**	

Mafic coarse ash tuff. Well-bedded. Weakly pyritic - 0.5% disseminated bright pyrite. Bedding at 50 TCA. Calcite-flooded - probably due to ash depositing in a carbonate basin.

STRUCTURES

From	To	Struct	CA	Strain
230.86	241.67	BD	50	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
230.86	241.67	W	W	-	-	-	-	-

calcite flooding

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
230.86	241.67	0.5	DIS						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
241.67	**245.45**	**ASHT**	

Fine felsic ash tuff. Thin-bedded; pyritic. Base of unit ends at a fault. 1.0% disseminated fine pyrite overall; local narrow zones up to 5%. Very weak calcite and ferro-dolomite alteration in separate zones. Bedding at 52 TCA.

STRUCTURES

From	To	Struct	CA	Strain
241.67	245.40	BD	52	
245.40	245.45	FLT		

clay & sand gouge

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
241.67	245.45	VW	VW	VW	-	-	-	-

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
241.67	245.45	1	DIS						

Local zones up to 5% disseminated pyrite

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
245.45	**260.47**	**ASHT**	

Thin-bedded, coarse mafic ash tuff. Medium green-grey. 1.5% pyrite overall as wisps and thin lamellae. Bedding at 53 deg TCA. Moderate chlorite alteration throughout; a few local thin ash beds are calcite-flooded. Abrupt upper contact against narrow fault.
Bedding 56 deg at 259m.

STRUCTURES

From	To	Struct	CA	Strain
245.45	250.00	BD	53	
250.00	260.47	BD	56	

ALTERATION

From	To	INT	CC	DO		SR	AK	SC
245.45	260.47	W	VW	-	-	-	-	-
260.47	260.47	W	VW	-	-	-	-	-

Weak chlorite throughout (245.45–260.47)

Weak chlorite throughout (260.47–260.47)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
245.45	250.00	1.5	LB						
250.00	260.47	0.5	DIS						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
260.47	**264.40**	**CHRT**	

Thin chert beds with interbedded mafic ash tuff. Pyritic.
Thin-bedded throughout. Bedding at 52 deg TCA. Local gently folded beds.
Fault / crush zone from 261.25m to 261.75m.
Pyrite as thin lamellae averaging 3%; locally bands up to 5% pyrite.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
260.47	264.40	BD	52		260.47	264.40	W	-	-	-	-	W	-	260.47	264.40	3	MLB									

From	To	Litho	Simple Geo
264.40	**275.54**	**ASHT**	

Coarse mafic ash tuff. Well-bedded. Bedding at 64 TCA at 265m.
Two bands of chert beds between 266.15m to 266.70m.
Bleached from 271.6m to 272.6m.
1% pyrite as very thin laminae.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
264.40	275.54	BD	64		264.40	275.54	W	-	-	-	-	W	-	264.40	275.54	1	MLB									

From	To	Litho	Simple Geo
275.54	**340.49**	**RHYL**	

Rhyolite flow. Strongly flow-banded; resembles bedded chert. Vari-coloured and vari-textured throughout. Weak sericite and pyrite throughout.
Bedding 48 TCA at 275m; 48 TCA at 305m; 55 TCA at 324m. Pyrite 1% to 2%; averaging 1.5% overall. Pyrite occurs as disseminations; but not in concentrations along thin sericite planes between flow-bands.
One 2mm-thick laminae of grey sphalerite at 293.7m.
Rock colour ranges from pure white to translucent to pale green to locally medium waxy green and rare faint pinkish tint.
7cm bed of mafic ash tuff at 317.7m.
Alteration is thin selvages of sericite and ferro-dolomite as abundant inter-flow laminae. No close association with pyrite.
Sharp lower contact.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
275.54	305.00	BD	48																							
														275.54	327.00	1.5	DIS									
					275.54	340.49	W	-	W	W	-	S	-													
305.00	327.00	BD	55																							
327.00	332.80	BD	52																							
														327.00	340.49	1.5	DIS									
332.80	335.25	FLTZ																								
	Major fault zone.																									

From	To	Litho	Simple Geo
275.54	340.49	RHYL	

(Continued from previous page)

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
335.25	340.49	BD	56																						

From	To	Litho	Simple Geo
340.49	344.66	ASHT	

Coarse mafic ash tuff. Similar to above units. No carbonate flooding. Medium to dark green. Well-bedded; thin-bedded. Moderate chlorite. Bedding at 55 to 62 TCA - averages 58 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
340.49	344.66	BD	58		340.49	344.66	W	-	W	W	-	-	-	340.49	344.66	0.1	DIS									
					Moderate chlorite																					

From	To	Litho	Simple Geo
344.66	345.00	FLTZ	

Major relithified/recemented fault or shear. Silica cemented. Prominent pink- to brick-coloured silica.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
344.66	345.00	FLTZ			344.66	345.00	VS	-	-	W	-	VS	-	344.66	345.00	0	-									
														Trace fine pyrite dust only												

Drill Log KC11219

Unknown

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From	To	Litho	Simple Geo
0.00	**17.10**	**OVBD**	**RUBL**

Overburden - casing.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
0.00	17.10	NA			0.00	17.10	-	-	-	-	-	-	-	0.00	17.10	0	-									

From	To	Litho	Simple Geo
17.10	**47.90**	**QXTF**	

Quartz Crystal Tuff. NOT the classic hangingwall unit - but not too different either. Fine quartz crystal tuff with deep blue quartz eyes ranging up to 6mm long.
Usually 20% to 30% crystals, but local bands up to 50%. Rock looks `intermediate' but is probably a weakly chloritized felsic tuff.
Very crumbly broken core - poor drilling. Crude bedding ranging from 54 to 70 TCA - average 65 TCA. A short interval of thin-bedded ash with fine lapilli from 24.37m to 24.93m.
Very fine flat black crystals begin to appear below 38m, concentration builds to depth but these are always minor (<5%) component of rock. Gives this pale-coloured rock a `granitic' appearance. Look like biotite, but I think these are mini-knots of hornblende aggregate.
Rock becomes bleached light to pale below 32.5m. 0.5% scattered fine disseminated pyrite.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
17.10	47.90	BD	65		17.10	47.90	-	-	-	-	-	-	-	17.10	47.90	0.5	DIS									

Weak chlorite.

From	To	Litho	Simple Geo
47.90	**51.10**	**ASHT**	

Coarse ash tuff. Thin bedded. Well-bedded. Granular. Light olive to light grey. 0.5% fine pyrite wisps throughout. Bedding averages 82 TCA. Small elongate knots of white calcite scattered throughout. Soft overall, but local thin silicified laminae.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								47.90	49.45	*I* 135781
47.90	51.10	BD	82		47.90	51.10	W	W	-	-	-	W	-	47.90	51.10	0.5	LB									
																								49.45	51.10	*I* 135782

fine pyrite wisps

From	To	Litho	Simple Geo
51.10	57.29	PMDS	PMDS

Graphitic Mudstone; pyritic mudstone. Black with many shiny graphitic partings. Highy contorted and buckled, but the pyrite is clearly interbedded and synsedimentary. Thin bedded. 8% fine pyrite laminae throughout, with 30% pyrite from 52.40m to 55.00m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								51.10	52.36	I 135783
51.10	57.29	BD	55		51.10	57.29	W	W	-	-	-	-	-	51.10	57.29	8	LB									
					Carbon/graphite																					
																								52.36	53.30	I 135784
																								53.30	55.30	I 135785
																								55.30	57.29	I 135786

From	To	Litho	Simple Geo
57.29	68.31	FXTF	

Feldspar-Quartz Crystal Tuff. 30% fine feldspar and quartz grains in light grey ash. Crude bedding preserved at 55 TCA.
Bull quartz vein with accessory (4%) coarse pyrite from 64.10m to 65.35m was not assayed due to coresaw problems with bull quartz.
Fault from 65.35m to 65.74m. 35cm of clayey-gritty fault gouge recovered.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																								57.29	59.30	I 135787
57.29	68.31	BD	55		57.29	68.31	VW	-	-	-	-	-	-	57.29	68.31	0.5	DIS									

From	To	Litho	Simple Geo
68.31	70.01	ASHT	

Coarse ash tuff. Light grey. Well-bedded, with bedding at 50 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
68.31	70.01	BD	50		68.31	70.01	W	-	W	-	-	-	-	68.31	70.01	0.1	DIS									

From	To	Litho	Simple Geo
70.01	75.08	FXTF	

Crowded feldspr-quartz crystal tuff. Light green; crystal-crowded. 2% pyrite as wisps and laminations. Bedding at 55 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample

From	To	Litho	Simple Geo
70.01	**75.08**	**FXTF**	

Crowded feldspr-quartz crystal tuff. Light green; crystal-crowded. 2% pyrite as wisps and laminations. Bedding at 55 TCA.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
70.01	75.08	BD	55		70.01	75.08	W	-	-	-	-	-	-	70.01	75.08	2	LB									
					Weak Chlorite																					

From	To	Litho	Simple Geo
75.08	**80.80**	**ASHT**	

Two horizons of well-bedded coarse ash tuff between 75.08m and 80.80m. Bedding at 60 TCA. Cut by quartz veins. Strongly bleached. Faulted around 78.6m to79.3m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
75.08	80.80	BD	60		75.08	80.80	W	W	W	-	-	-	-	75.08	80.80	0.1	DIS									

From	To	Litho	Simple Geo
80.80	**150.00**	**ASHT**	

Mafic ash tuff. Fine-grained. Dark green crudely thin-bedded. Granular appearance is not crystals, but due to overprinted knots of carbonate and then epidote alteration. O.5m of fine overprinted hematite alteration around 102m.
Coarse white lapilli appear below 87.0m - these are quartz clasts not alteration knots.
Bedding at 52 TCA.
Below116m epidote flooding rises to 30% of the rock volume, still as overprinted knots.
Bedding at 48 TCA at 132m. Bedding at 55 TCA at 146m.
Core is dark green.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
80.80	150.00	FOL	52		80.80	150.00	S	-	-	-	-	-	-	80.80	150.00	0.2	DIS									
					Chlorite, carbonate, epidote and hematite flooding																					

Drill Log KC11220

ZONE

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From	To	Litho	Simple Geo
0.00	**12.60**	**OVBD**	

Overburden - Casing

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
0.00	12.60	NA			0.00	12.60	-	-	-	-	-	-	-	0.00	12.60	0	-									

From	To	Litho	Simple Geo
12.60	**67.82**	**QXTF**	

Quartz Crystall Tuff. Not the classic hangingwall rock. Finer deep blue elongate quartz eyes and even smaller rounded clear quartz-eyes are scattered throughout this unit. Deep blue quartz eyes are almost opaline. Rock is about 35% crystals.
Groundmass is thin bedded, moderately bedded fine to coarse ash tuff. Bedding at 45 TCA.
Variably altered. Chloritic throughout, with epidote appearing below 26m, and local bands of hematization.
Core is bleached to light grey below 53m.
Very fine flat black crystals begin to appear below 57m, concentration builds to depth but these are always minor (<3%) component of rock. Gives this pale-coloured rock a `granitic' appearance. Looks like biotite, but I think these are mini-knots of hornblende aggregate.
No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
12.60	67.82	BD	45		12.60	67.82	M	-	-	-	-	-	-	12.60	67.82	0	-									
																								67.00	68.60	*I* 135788

moderate chlorite and strong epidote

From	To	Litho	Simple Geo
67.82	**68.40**	**ASHT**	

Thin-bedded, granular, coarse ash tuff. Bleached pale grey rock.
Bedding at 45 TCA. No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO		SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
67.82	68.40	BD	45		67.82	68.40	W	-	W	-	-	-	-	67.82	68.40	0	-									

From	To	Litho	Simple Geo
68.40	**72.80**	**PMDS**	

Pyrtic black mudstone. Strongly graphitic.
30% bedded pyrite from 72.25m to 72.60m. Minor thin pyritic laminae throughout.
Three intervals of interbedded coarse ash tuff within this interval.
Bedding is contorted to locally planar. Bedding at 55 TCA at 71.7m.
Sharp upper contact appears to be a minor fault. Gradational lower contact over 0.5m from 72.8m to 73.3m.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
68.40	72.80	BD	55		68.40	72.80	S	-	-	-	-	- -	68.40	72.80	5	LB									
					Graphite																				
																							68.60	70.30	I 135789
																							70.30	72.25	I 135790
																							72.25	72.80	I 135791

From	To	Litho	Simple Geo
72.80	**84.25**	**FXTF**	

Feldspar Crystal Tuff with lesser fine quartz crystals. Bleached and weakly pyritic to 78.15m. Below this, rock is deep green. Gradational lower contact.
Thin-bedded at 55 TCA.
1.5% pyrite and pyrrhotite as fine wisps and thin lamellae.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
																							72.80	74.50	I 135792
72.80	84.25	BD	55		72.80	84.25	S	-	-	-	-	- -	72.80	84.25	1	LB					PO	0.5			
					Strong Chlorite.								*Thin wisps and lamellae*												
																							74.50	76.00	I 135793
																							76.00	78.00	I 135794

From	To	Litho	Simple Geo
84.25	**93.50**	**ASHT**	

Fine ash tuff. Deep green. Fine minor epidote grains scattered throughout.
Gradational and interbedded lower contact.
Bedding at 35 TCA.
No pyrite noted.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample

From	To	Litho	Simple Geo
84.25	**93.50**	**ASHT**	

Fine ash tuff. Deep green. Fine minor epidote grains scattered throughout.
Gradational and interbedded lower contact.
Bedding at 35 TCA.
No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
84.25	93.50	BD	35		84.25	93.50	S	-	-	-	-	-	-	84.25	93.50	0	-									

Strong chlorite; weak epidote.

From	To	Litho	Simple Geo
93.50	**102.00**	**FXTF**	

Feldspar Crystal tuff. Similar to overlying unit. Interbedded upper contact. Bedding at 38 TCA. No pyrite noted.
EOH at 102.00m

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample
93.50	102.00	BD	38		93.50	102.00	S	-	-	-	-	-	-	93.50	102.00	0	-									

Strondg Chlorite; minor epidote.

Drill Log KC11221

Unknown

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From	To	Litho	Simple Geo
0.00	24.50	OVBD	

Overburden - casing

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
0.00	24.50	NA			0.00	24.50	-	-	-	-	-	-	-	0.00	24.50	0	-										

From	To	Litho	Simple Geo
24.50	52.55	QXTF	

Quartz Crystall Tuff. Not the classic hangingwall rock. Finer deep blue elongate quartz eyes and even smaller rounded clear quartz-eyes are scattered throughout this unit. Deep blue quartz eyes are almost opaline. Rock is about 35% crystals.
Groundmass is thin bedded, moderately bedded, fine to coarse ash tuff. Bedding at 70 TCA.
Variably altered. Chloritic throughout, with epidote appearing below 26m, and local bands of hematization.
Core is bleached to light grey below 44m.
Very fine flat black crystals begin to appear below 35.5m, concentration builds to depth, but these are always a minor (<3%) component of rock. Gives this pale-coloured rock a `granitic' appearance. Looks like biotite, but I think these are mini-knots of hornblende aggregate.
No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
24.50	52.55	BD	70		24.50	52.55	W	-	-	-	-	-	-	24.50	52.55	0	-										

Moderate Chlorite

From	To	Litho	Simple Geo
52.55	58.40	ASHT	

Coarse ash tuff. Thin-bedded. Granular. Bleached, pale grey rock.
Bedding at 77 TCA. No pyrite noted.
Colour changes to medium to dark grey below 54.83m Thin chert beds at 52.6m. Thin black mudstone bed with minor pyrite laminae at 55.25m. Another thin pyrtic mudstone bed at 55.70m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES			
From	To	Struct	CA	Strain	From	To	INT	CC	DO	SR	AK	SC		From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%	From	To	Sample	
52.55	58.40	BD	77		52.55	58.40	W	-	W	-	-	-	-	52.55	58.40	0	-										
																								55.00	56.70	*I*	135795
																								56.70	58.40	*I*	135796

From	To	Litho	Simple Geo
58.40	**69.20**	**PMDS**	

Pyrtic black mudstone. Strongly graphitic.
20% bedded pyrite from 60.0m to 63.0m. Minor thin pyritic laminae throughout.
Two intervals of interbedded coarse ash tuff within this interval, including one bed of coarse granular grey limestone from 66.0m to 66.4m (see next unit below).
Bedding is contorted to locally planar. Bedding at 47 TCA.
Sharp upper contact. Lower contact lies against a thin unit of granular carbonate from 69.20m to 69.50m.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
																								58.40	60.00	*I* 135797
58.40	69.20	BD	47		58.40	69.20	M	-	-	-	-	-	-	58.40	69.20	20	LB									
					Graphite																					
																								60.00	61.50	*I* 135798
																								61.50	63.00	*I* 135799
																								63.00	64.50	*I* 135800
																								64.50	66.00	*I* 135801
																								66.00	67.50	*I* 135802
																								67.50	69.20	*I* 135803

From	To	Litho	Simple Geo
69.20	**69.50**	**LMST**	

Light grey granular limestone. Thin tuffaceous interbeds. Bedding at 55 TCA. No pyrite noted.

STRUCTURES					ALTERATION									MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*		*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*
69.20	69.50	BD	55		69.20	69.50	M	M	-	-	-	-	-	69.20	69.50	0	-									
																								69.20	70.60	*I* 135804

From	To	Litho	Simple Geo
69.50	**87.20**	**FXTF**	

Feldspar Crystal Tuff with lesser fine quartz crystals. Bleached and weakly pyritic to 73.0m. Below this, rock is deep green. Gradational lower contact.
Thin-bedded at 55 TCA. 1.5% pyrite and pyrrhotite as fine wisps and thin lamellae.

STRUCTURES					ALTERATION								MINERALIZATION										SAMPLES		
From	*To*	*Struct*	*CA*	*Strain*	*From*	*To*	*INT*	*CC*	*DO*	*SR*	*AK*	*SC*	*From*	*To*	*PY%*	*Style*	*Min*	*Min%*	*Min2*	*M2%*	*Min3*	*M3%*	*From*	*To*	*Sample*

From	To	Litho	Simple Geo
69.50	87.20	FXTF	

Feldspar Crystal Tuff with lesser fine quartz crystals. Bleached and weakly pyritic to 73.0m. Below this, rock is deep green. Gradational lower contact.
Thin-bedded at 55 TCA. 1.5% pyrite and pyrrhotite as fine wisps and thin lamellae.

STRUCTURES

From	To	Struct	CA	Strain
69.50	87.20	BD	55	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
69.50	87.20	S	-	-	-	-	-	-

Strong carbonate flooding; strong chlorite below 73.0m.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
69.50	87.20	1	LB					PO	0.5

SAMPLES

From	To	Sample
70.60	72.00	I 135805

From	To	Litho	Simple Geo
87.20	96.10	ASHT	

Fine ash tuff. Deep green. Fine minor epidote grains scattered throughout.
Gradational and interbedded lower contact. Characterized by large, white to grey, rounded amoeboid quartz clasts.
Bedding at 52 TCA.
No pyrite noted.

STRUCTURES

From	To	Struct	CA	Strain
87.20	96.10	BD	52	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
87.20	96.10	S	-	-	-	-	-	-

Strong chlorite; weak epidote.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
87.20	96.10	0	-						

SAMPLES

From	To	Sample

From	To	Litho	Simple Geo
96.10	102.00	FXTF	

Dark green, granular feldspar crystal tuff.
End of Hole at 102.00m.

STRUCTURES

From	To	Struct	CA	Strain
96.10	102.00	BD	55	

ALTERATION

From	To	INT	CC	DO	SR	AK	SC
96.10	102.00	S	-	-	-	-	-	-

Strong chlorite; weak epidote

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
96.10	102.00	0	-						

SAMPLES

From	To	Sample

APPENDIX VIII

DRILLCORE SAMPLING PROCEDURES

Core Processing Duties

Assay Sampling

All the quarter-cut cores are referred to as assay samples and bulk-density measurements need to be found for each sample. This is done by first making a sheet with shipment number, hole number beside; in brackets, and then a chart with W and D (wet and dry weights) in the first two columns, another two columns of W and D for possible overloads (the scale cannot measure anything over approximately 4000g), and last a number column for the sample number, and a note column for standards, blanks, and duplicate sample numbers.

With this sheet made you can then begin to measure the dry and wet mass of the samples. Be sure to zero the weight of the sample pan on the scale and the sieve in the water prior to measuring any of the assays. It is also important to change water regularly (cloudy water is denser than clean water which affects measurements), and also to make sure none of the metal hooks are rubbing against the hole in the wood, or the handles of the sive are touching any sides of the SG water bucket. All of these factors lead to inaccurate measurements.

Once all measurements are taken, all data needs to be recorded in the bulk density 89.90.91 document, located in the bulk density folder in KUTCHO GEOTECH folder on the DESKTOP. It is fairly straight-forward how to enter all data since there are many examples of the prior holes above. It is very important to copy and paste the VALUES column since it contains the formula that takes the wet and dry weights to compute the bulk density. All other information needed on that sheet, i.e. to and from, is found by getting the core loggers log (usually just copy and paste whatever hole log onto the computer by a USB stick). When accessing the log, hit OPEN, and then click on “export tables and sheets”. Then when the save window pops up cancel saving all other documents such as headers, etc., until “Samples” (the last one) shows up. Save this because this is all the information you will need to copy/paste and export to the bulk density document.

Important Note It is easiest to get the core loggers information first, and then set up your sheet so you know which samples are standards, blanks, etc.

When all data has been entered in the computer, and all samples have been accurately measured, all sample bags should be sealed (trying to get as much air out as possible), and then be processed for shipments. There are rice bags which need to have both pending and return addresses on them. As well shipment needs to inked in with “WKM 08 0(shipment #), and as well which bag number of the shipment it is. Lastly on the top left corner of the bag in large print the first sample number needs to be written and then a dash to the last sample. For example: H033123-29. These bags should have around 7 samples, or however many suitable for easy lifting. They are not supposed to be heavy!

Lastly samples need to be consecutive order!!! If samples are out of order, or some samples are missing this needs to be recorded on the sample shipment form!!!!!

To tie off rice bags there are twist ties, security tags, and flagging tape. The first bag should be tied off last since you need to put the shipment form inside. The next paragraph explains the shipment form process, but it is important this form gets sealed in a bag as well and thrown in with the other samples in the first bag. Flagging tape is used to differentiate between shipment numbers, i.e. use different colours for different shipments. Lastly the first bag should always have an orange flagging tape bow along with the other colour chosen for that shipment. This makes it easy for the lab to distinguish the first bag.

Once shipment bags are ready to go, shipment forms need to be filled out. These are located in the sample shipment folder under assays. To start a new shipment form it is easiest to just open the previous shipment change the shipment number to the new one, then click “save as”, and change the previous number to the new shipment number. Filling out the forms is fairly straight-forward. Number of samples is usually the difference between the first and last sample numbers plus one.

Metallurgy Sampling

The MET samples are all the half cut core samples. These samples need to be completely dry before they are processed for shipments because they need to be purged with nitrogen gas to minimize any oxidation.

Unlike the assay samples no measurements are taken, but a sheet is necessary to jot down bucket number based on all of the buckets that have gone out, bucket number of the shipment, number of bags in bucket, and first and last sample. There are example sheets in the small yellow binder. These are all important in noting since a shipment form is made up for the MET samples too. To find the bucket number of the whole it is easiest to go under the folder sample shipments, then MET folder, and then click on the document labeled “METS”. This gives you the last bucket number that went out for what shipment. This also provides the next shipment number.

To prepare buckets for shipments, a garbage bag is slid inside the bucket as a liner. Samples then need to be purged with oxygen prior to being put into the buckets. This is done by sealing the bag almost 90% (there is a black mark on the sealer indicating where to line up the bag so it will leave just enough room for the hose to be inserted). Once the bag is sealed the nitrogen hose is inserted and turned on, inflating the bag with air. Squeeze this air out and repeat (i.e. flush the bag twice with nitrogen). Then seal the bag off trying once again to get as much air out as possible. You seal it off by sealing almost at a 45 degree angle to the first almost 90% seal. This gives a more effective tight seal. It is important to make sure there are no holes in the bag, and if so you will need to double bag the sample so no oxygen can get in.

Try to fit as many samples as you can in the buckets 4-5 is great, but if the samples are large you may only be able to get 3.

Once bucket is full, loosely tie off the garbage bag, insert nitrogen hose and purge the samples once again and immediately put on the lid. Use the hammer to make sure the lid is on tight.

On the top of lid write down the bucket number based on all buckets shipped out. Also on duct tape write down MET and then sample numbers in the bucket, bucket x of y (insert the proper numbers) and last WKM 08 0(shipment #). There is an example on the roof above the sealer. This label goes on the side of the bucket.

Lastly tie flagging tape on the buckets and be sure to put an orange one on the first one.

When the shipment is all ready, update the sample shipment form for METS, and as well the “METS” document which contains the numbers of all the buckets that have been already shipped.

Other Important Duties

It is important to update the bulk densities of the rock that is not assayed sampled (i.e. non-mineralized zones), which are measurements the core loggers have collected. You should update this twice a week by just grabbing the core loggers notebook and updating quick. The document is located in the bulk density folder and labeled non-min bulk density.

It is also important to update shipment receipts. This is when a shipment is sent off, ALS CHEMEX sends a receipt with a work order number. VGM or RGW will update your hard-drive with these receipts so you can plug them into the tracking shipment document, located in the shipment receipts folder.

Being prepared is always nice when you have a lot of samples to process for shipments. Things such as writing labels for the tops of the MET samples (with Kutcho Copper’s head office), writing return address on rice bags, getting lids ready for the met samples, setting up buckets with garbage bags, are all useful preparation jobs necessary for shipments.

APPENDIX IX

ASSAY RESULTS

Assay results are presented as an EXCEL table, with 50 columns and 3,343 rows.

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-203	**I134001**	77	43	5	<0.2	0.011	1.31	3	<10	40	<0.5	<2	6.14	<0.5	24	20	3.22	10	<1	0.16	<10	0.9	1355	<1	0.03	20	470	1.87	2	5	94	<20	<0.01	<10	<10	25	<10
KC11-203	**I134002**	42	70	6	<0.2	0.005	0.98	<2	<10	50	<0.5	<2	5.88	<0.5	15	20	2.14	<10	<1	0.16	<10	0.86	1390	<1	0.04	15	290	0.73	<2	8	87	<20	<0.01	<10	<10	21	<10
KC11-203	**I134003**	35	30	6	<0.2	0.02	0.3	<2	<10	40	<0.5	<2	3.53	<0.5	16	6	2.76	<10	<1	0.15	<10	0.75	596	<1	0.06	18	180	2.51	<2	6	38	<20	<0.01	<10	<10	10	<10
KC11-203	**I134004**	20	357	<2	<0.2	0.005	0.59	3	<10	80	<0.5	2	1.61	<0.5	4	1	2.34	<10	<1	0.15	<10	2	381	<1	0.03	5	250	0.93	<2	3	29	<20	<0.01	<10	<10	5	<10
KC11-203	**I134005**	42	400	2	<0.2	0.005	0.53	<2	<10	90	<0.5	<2	1.51	<0.5	3	2	2.22	<10	<1	0.17	<10	2.04	341	<1	0.03	5	200	0.84	<2	2	18	<20	<0.01	<10	<10	6	<10
KC11-203	**I134006D**	43	404	2	<0.2	0.008	0.51	<2	<10	90	<0.5	2	1.63	<0.5	2	1	2.25	<10	<1	0.16	<10	2.07	360	<1	0.04	5	200	0.87	<2	2	19	<20	<0.01	<10	<10	5	<10
KC11-203	**I134007**	21	315	<2	<0.2	0.008	0.79	<2	<10	80	<0.5	3	1.58	<0.5	3	1	2.26	<10	<1	0.18	<10	2.41	409	<1	0.05	3	220	1.09	<2	2	17	<20	<0.01	<10	<10	4	<10
KC11-203	**I134008**	27	413	<2	<0.2	0.01	0.5	<2	<10	60	<0.5	2	1.36	<0.5	3	1	2.46	<10	<1	0.15	<10	2.37	401	<1	0.06	3	200	1.1	<2	2	17	<20	<0.01	<10	<10	4	<10
KC11-203	**I134009**	27	404	2	<0.2	0.015	0.5	<2	<10	60	<0.5	2	1.53	<0.5	3	<1	2.3	<10	<1	0.14	<10	2.45	432	1	0.06	4	190	0.86	<2	2	20	<20	<0.01	<10	<10	3	<10
KC11-203	**I134010**	351	4620	6	1.4	0.061	0.26	6	<10	50	<0.5	3	0.21	23.6	12	1	4.51	<10	1	0.14	<10	0.26	74	26	0.02	<1	10	4.95	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134011**	161	1805	5	0.4	0.017	0.29	2	<10	40	<0.5	3	0.49	13.3	23	1	6.17	<10	<1	0.15	<10	0.74	145	25	0.02	<1	20	7.33	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-203	**I134012D**	157	1820	6	0.4	0.018	0.29	3	<10	40	<0.5	<2	0.48	13.5	25	2	6.22	<10	<1	0.15	<10	0.75	143	25	0.01	<1	20	7.53	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-203	**I134013**	192	72	4	0.7	0.015	0.23	5	<10	40	<0.5	2	0.22	0.6	22	1	6.14	<10	<1	0.14	<10	0.13	43	28	0.01	<1	20	7.57	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134014**	563	585	2	0.8	0.021	0.22	7	<10	30	<0.5	2	0.13	3.8	29	2	7.32	<10	<1	0.13	<10	0.05	28	45	0.01	<1	60	9.07	<2	<1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134015**	101	40	<2	<0.2	0.012	0.22	5	<10	30	<0.5	2	0.2	<0.5	35	2	7.26	<10	<1	0.12	<10	0.06	40	40	0.02	<1	20	9.02	<2	<1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134016**	1	3	<2	<0.2	<0.005	0.03	5	<10	10	<0.5	<2	>25.0	<0.5	<1	1	0.06	<10	1	<0.01	<10	2.09	32	1	0.02	<1	60	0.12	<2	<1	6090	30	<0.01	<10	20	2	<10
KC11-203	**I134017**	497	461	3	0.5	0.011	0.2	4	<10	40	<0.5	2	0.3	2.4	18	2	6.03	<10	<1	0.11	<10	0.11	40	31	0.02	<1	40	7.39	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-203	**I134018**	38	69	<2	<0.2	0.005	0.24	5	<10	40	<0.5	<2	0.74	<0.5	18	2	3.91	<10	<1	0.12	<10	0.33	68	34	0.03	<1	110	4.23	<2	1	21	<20	<0.01	<10	<10	1	<10
KC11-203	**I134019**	14,200	198	3	6.4	0.011	0.45	<2	<10	50	<0.5	7	8.2	1.2	8	1	3.44	<10	<1	0.18	<10	4.36	866	18	0.06	<1	130	2.52	2	11	43	<20	<0.01	<10	<10	5	<10
KC11-203	**I134020**	24,900	8830	8020	81.3	1.335	1.61	444	<10	40	<0.5	5	1.88	53.2	30	75	6.22	10	3	0.36	10	1.36	771	1280	0.1	240	1220	4.33	69	7	205	<20	0.1	<10	<10	75	20
KC11-203	**I134021**	2690	2770	199	3.5	0.03	0.39	11	<10	20	<0.5	<2	7.5	9.7	2	1	4.21	<10	1	0.06	<10	4.17	950	70	0.12	14	230	4.68	<2	9	42	<20	<0.01	<10	10	10	<10
KC11-203	**I134022**	4030	113,000	3070	10.7	0.148	0.09	297	<10	10	<0.5	2	2.53	502	3	<1	20.8	<10	30	0.01	<10	1.34	988	3	0.04	3	50	>10.0	30	1	10	<20	<0.01	10	<10	10	10
KC11-203	**I134023**	3120	29,100	2060	8.8	0.139	0.19	274	<10	10	<0.5	2	2.67	118.5	<1	1	24.4	<10	8	0.02	<10	1.41	1005	38	0.07	16	200	>10.0	10	3	12	<20	<0.01	10	10	12	10
KC11-203	**I134024**	14,100	25,100	3280	30.3	0.254	0.04	371	<10	<10	<0.5	16	3.72	122	10	<1	25.3	<10	9	0.01	<10	1.97	1510	13	0.02	<1	20	>10.0	15	1	16	<20	<0.01	10	<10	9	20
KC11-203	**I134025D**	14,150	25,000	3240	29.7	0.263	0.05	363	<10	<10	<0.5	17	3.61	119.5	10	<1	25.7	<10	8	0.01	<10	1.92	1470	14	0.03	<1	20	>10.0	16	1	15	<20	<0.01	10	<10	9	<10
KC11-203	**I134026**	15,150	22,800	253	29.2	0.297	0.04	500	<10	<10	<0.5	38	4.57	126	27	<1	26.1	<10	8	<0.01	<10	2.43	1720	21	0.02	<1	30	>10.0	22	<1	23	<20	<0.01	10	<10	13	20
KC11-203	**I134027**	14,100	34,300	220	27.1	0.265	0.15	410	<10	<10	<0.5	16	5.7	204	18	<1	25.6	<10	11	<0.01	<10	1.67	1885	25	0.01	4	40	>10.0	15	<1	50	<20	<0.01	10	<10	14	10
KC11-203	**I134028**	15,700	25,300	140	16.3	0.187	0.04	325	<10	<10	<0.5	23	5.7	166.5	10	<1	24.6	<10	8	<0.01	<10	2.81	2250	33	0.02	1	40	>10.0	8	<1	36	<20	<0.01	10	<10	12	20
KC11-203	**I134029**	50,900	22,600	1610	115	2	1.33	41	<10	10	<0.5	170	0.33	64.1	153	29	31	10	1	0.06	<10	1.49	377	7	0.01	5	100	>10.0	4	2	3	<20	0.01	10	<10	15	20
KC11-203	**I134030**	16,100	22,900	384	38.3	0.264	0.1	445	<10	<10	<0.5	31	3.94	185	79	<1	25.7	<10	8	0.01	<10	0.73	742	29	0.03	<1	60	>10.0	22	<1	42	<20	<0.01	10	<10	6	20
KC11-203	**I134031**	26,800	23,500	174	54.7	0.402	0.03	381	<10	<10	<0.5	28	4.27	145	63	<1	24.9	<10	7	<0.01	<10	2.26	1715	12	0.02	<1	230	>10.0	17	<1	23	<20	<0.01	10	<10	12	10
KC11-203	**I134032**	10,650	20,900	199	34.5	0.234	0.09	421	<10	<10	<0.5	37	1.2	142	97	<1	27	10	7	<0.01	<10	0.45	453	10	0.02	<1	50	>10.0	24	<1	10	<20	<0.01	10	<10	13	10
KC11-203	**I134033**	15,900	21,000	238	38.8	0.288	0.03	195	<10	<10	<0.5	36	5.19	115	99	<1	27.7	<10	7	<0.01	<10	2.53	1705	11	0.02	<1	1970	>10.0	4	<1	26	<20	<0.01	10	20	10	<10
KC11-203	**I134034**	51,800	19,450	169	122	1.42	0.02	228	<10	<10	<0.5	90	5.58	129.5	124	<1	24.1	<10	8	<0.01	<10	3.74	1990	8	0.02	<1	1470	>10.0	11	1	24	<20	<0.01	10	20	11	20
KC11-203	**I134035**	49,900	22,400	1670	113	1.98	1.34	43	<10	10	<0.5	149	0.34	66.4	158	29	30.8	10	1	0.06	<10	1.53	396	6	0.01	7	100	>10.0	13	2	3	<20	0.01	10	<10	14	10
KC11-203	**I134036**	27,800	54,900	880	55.2	0.428	0.03	264	<10	<10	<0.5	56	5.33	349	33	<1	23.7	<10	19	<0.01	<10	3.17	1730	14	0.02	<1	540	>10.0	11	<1	24	<20	<0.01	10	<10	10	20
KC11-203	**I134037**	17,250	23,200	250	47.3	0.362	0.1	268	<10	10	<0.5	25	0.9	136	24	<1	24.5	<10	9	0.02	<10	0.45	326	14	0.04	<1	20	>10.0	12	1	4	<20	<0.01	10	<10	3	10
KC11-203	**I134038**	5860	9900	553	9.9	0.093	0.11	72	<10	10	<0.5	7	0.21	46.5	57	<1	26.5	<10	3	0.03	<10	0.08	65	1	0.03	<1	70	>10.0	5	<1	2	<20	<0.01	10	<10	1	<10
KC11-203	**I134039**	1745	11,600	223	3	0.046	0.21	27	<10	10	<0.5	3	0.94	63.8	114	<1	28.4	<10	3	0.03	<10	0.94	551	<1	0.06	<1	270	>10.0	<2	2	7	<20	<0.01	10	<10	2	<10
KC11-203	**I134040**	235	774	25	1.1	0.022	0.62	9	<10	20	<0.5	4	0.45	1.5	22	2	19.4	<10	<1	0.05	<10	3.29	480	2	0.08	<1	130	>10.0	<2	4	9	<20	<0.01	10	<10	4	<10
KC11-203	**I134041**	3380	319	40	4.3	0.052	0.16	18	<10	10	<0.5	6	0.03	2.1	112	1	24.6	<10	<1	0.06	<10	0.12	19	1	0.03	<1	10	>10.0	<2	<1	2	<20	<0.01	10	<10	1	<10
KC11-203	**I134042D**	2700	359	39	4.1	0.044	0.18	12	<10	10	<0.5	3	0.03	2	119	2	24.8	<10	<1	0.07	<10	0.11	25	1	0.03	<1	20	>10.0	2	<1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134043**	169	204	193	2.8	0.026	0.16	22	<10	10	<0.5	4	0.52	0.7	38	1	25	<10	<1	0.05	<10	0.28	34	1	0.04	<1	<10	>10.0	2	1	4	<20	<0.01	10	<10	1	<10
KC11-203	**I134044**	10	9	3	0.3	<0.005	0.03	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	0.16	<10	<1	<0.01	<10	2.27	37	<1	0.02	<1	60	0.26	<2	<1	5730	30	<0.01	<10	20	1	<10
KC11-203	**I134045**	547	665	415	2.1	0.017	2.09	28	<10	10	<0.5	2	2.18	<0.5	10	2	10.5	<10	<1	0.03	<10	5.9	1270	14	0.06	<1	270	>10.0	2	7	19	<20	<0.01	<10	<10	5	<10
KC11-203	**I134046**	214	667	15	0.8	0.01	0.87	17	<10	30	<0.5	<2	2.91	1.6	3	2	4.49	<10	<1	0.07	<10	3.88	1150	3	0.04	<1	920	4.76	<2	4	43	<20	<0.01	<10	<10	3	<10
KC11-203	**I134047**	634	752	8	1.1	0.02	0.92	8	<10	20	<0.5	2	0.81	5.5	25	1	12.8	<10	<1	0.11	<10	2.22	696	5	0.04	<1	260	>10.0	<2	2	6	<20	<0.01	<10	<10	2	<10
KC11-203	**I134048**	58	89	4	0.3	0.007	0.53	5	<10	30	<0.5	2	0.44	<0.5	5	1	3.85	<10	<1	0.11	<10	0.67	251	8	0.05	1	110	4.05	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-203	**I134049**	231	583	2	0.7	0.01	0.41	16	<10	20	<0.5	2	0.53	4.8	10	2	4.33	<10	1	0.12	<10	0.44	203	18	0.04	<1	290	4.59	<2	1	5	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134050D**	233	935	2	0.5	0.009	0.4	12	<10	20	<0.5	3	0.54	8	9	2	3.96	<10	<1	0.12	<10	0.43	207	21	0.04	<1	270	4.21	2	1	5	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134051**	113	522	4	0.6	0.016	0.56	36	<10	20	<0.5	2	1.23	8.5	8	1	4.86	<10	<1	0.11	<10	1.03	469	24	0.04	<1	320	5.04	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-203	**I134052**	12	215	3	0.2	0.014	1.29	6	<10	40	<0.5	<2	0.69	<0.5	3	1	1.56	<10	1	0.11	<10	1.58	359	7	0.04	<1	130	0.68	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-203	**I134053**	10	97	<2	<0.2	0.016	1.55	2	<10	10	<0.5	<2	0.56	<0.5	5	1	2.33	<10	<1	0.11	<10	1.78	319	6	0.03	<1	130	1.34	<2	2	5	<20	<0.01	<10	<10	2	<10
KC11-203	**I134054**	4	44	<2	<0.2	<0.005	1.92	<2	<10	20	<0.5	<2	0.36	<0.5	7	2	2.02	<10	<1	0.12	<10	1.98	267	5	0.03	<1	210	0.76	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134055D**	5	42	<2	<0.2	<0.005	1.87	3	<10	10	<0.5	<2	0.37	<0.5	7	2	1.94	<10	<1	0.11	<10	1.94	268	5	0.03	<1	210	0.69	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134056**	5	45	<2	<0.2	<0.005	2.63	3	<10	10	<0.5	<2	0.31	<0.5	8	3	2.47	10	1	0.1	<10	2.81	291	3	0.03	<1	180	0.54	<2	2	4	<20	<0.01	<10	<10	4	<10
KC11-203	**I134057**	4	42	<2	<0.2	<0.005	2.6	<2	<10	20	<0.5	<2	0.56	<0.5	7	1	2.44	10	<1	0.09	<10	2.86	376	16	0.03	<1	230	0.35	<2	3	6	<20	<0.01	<10	<10	3	<10
KC11-203	**I134058**	4	38	2	<0.2	<0.005	2.45	3	<10	<10	<0.5	<2	0.38	<0.5	7	1	2.46	10	<1	0.1	<10	2.74	302	9	0.03	<1	140	0.38	<2	2	5	<20	<0.01	<10	<10	3	<10
KC11-203	**I134059**	5	31	<2	<0.2	<0.005	1.87	<2	<10	10	<0.5	<2	0.41	<0.5	6	1	2.39	<10	<1	0.11	<10	2.19	303	2	0.03	<1	140	0.66	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134060**	3	27	<2	<0.2	<0.005	1.35	3	<10	10	<0.5	<2	0.16	<0.5	4	1	1.88	<10	<1	0.11	<10	1.65	174	12	0.03	<1	160	0.48	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134061**	3	25	<2	<0.2	<0.005	0.82	<2	<10	50	<0.5	<2	0.43	<0.5	5	1	1.71	<10	<1	0.1	<10	1.43	273	15	0.03	<1	140	0.45	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-203	**I134062**	6	35	2	<0.2	<0.005	0.66	5	<10	60	<0.5	<2	0.97	<0.5	6	1	2.19	<10	<1	0.09	<10	3.36	468	6	0.04	<1	110	0.25	<2	2	7	<20	<0.01	<10	<10	3	<10
KC11-203	**I134063**	6260	30,600	6790	29.2	0.068	2.04	84	<10	10	<0.5	18	1.44	160	52	66	9.11	10	5	0.25	<10	1.19	449	14	0.12	41	570	8.16	36	5	37	<20	0.13	10	<10	73	20
KC11-203	**I134064**	11	44	<2	<0.2	<0.005	1.66	8	<10	10	<0.5	<2	0.88	<0.5	12	1	3.76	<10	<1	0.1	<10	2.56	469	9	0.04	<1	100	1.58	<2	2	5	<20	<0.01	<10	<10	5	<10
KC11-203	**I134065**	6	30	<2	<0.2	<0.005	1.39	4	<10	20	<0.5	<2	0.66	<0.5	7	<1	2.06	<10	<1	0.1	<10	2.12	354	5	0.03	<1	160	0.66	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-203	**I134066**	1	2	<2	<0.2	0.007	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	0.05	<10	<1	<0.01	<10	2.35	33	<1	0.01	<1	60	0.08	<2	<1	4750	20	<0.01	<10	<10	<1	<10
KC11-203	**I134067**	13	34	2	<0.2	<0.005	2.11	<2	<10	20	<0.5	<2	0.74	<0.5	6	<1	1.96	10	<1	0.09	<10	2.77	382	9	0.03	<1	350	0.35	<2	2	11	<20	<0.01	<10	<10	3	<10
KC11-203	**I134068**	6	18	<2	0.2	<0.005	1.26	3	<10	20	<0.5	<2	0.57	<0.5	5	1	1.45	<10	<1	0.11	<10	1.46	223	9	0.03	<1	210	0.73	<2	1	20	<20	<0.01	<10	<10	1	<10
KC11-203	**I134069**	5	34	<2	<0.2	<0.005	2.2	<2	<10	20	<0.5	<2	0.89	<0.5	6	1	2.1	<10	<1	0.07	<10	3.03	452	5	0.03	<1	220	0.74	<2	2	8	<20	<0.01	<10	<10	3	<10
KC11-203	**I134070**	6	32	<2	<0.2	<0.005	2.11	2	<10	10	<0.5	<2	0.28	<0.5	4	<1	1.55	<10	<1	0.08	<10	2.45	294	2	0.02	<1	220	0.23	<2	2	5	<20	<0.01	<10	<10	2	<10
KC11-203	**I134071D**	7	33	<2	<0.2	<0.005	2.22	<2	<10	10	<0.5	<2	0.24	<0.5	5	<1	1.62	<10	<1	0.08	<10	2.56	284	3	0.02	<1	210	0.24	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134072**	7	38	<2	<0.2	<0.005	2.64	<2	<10	10	<0.5	<2	0.08	<0.5	12	<1	3.33	10	1	0.1	<10	3.01	264	2	0.03	<1	130	2.04	<2	2	4	<20	<0.01	<10	<10	3	<10
KC11-203	**I134073**	4	46	<2	<0.2	<0.005	2.98	<2	<10	10	<0.5	<2	0.38	<0.5	6	<1	2.27	10	<1	0.08	<10	3.68	440	4	0.02	<1	170	0.46	<2	3	6	<20	<0.01	<10	<10	3	<10
KC11-203	**I134074**	8	35	3	<0.2	<0.005	2.47	3	<10	10	<0.5	<2	0.13	<0.5	13	<1	4.14	10	<1	0.11	<10	2.71	271	7	0.03	<1	240	3.06	<2	2	4	<20	<0.01	<10	<10	3	<10
KC11-203	**I134075**	12	7	<2	0.2	<0.005	0.46	6	<10	10	<0.5	2	0.15	<0.5	25	<1	6.23	<10	<1	0.1	<10	0.42	100	18	0.03	<1	130	6.84	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134076D**	12	7	<2	<0.2	<0.005	0.5	9	<10	10	<0.5	<2	0.21	<0.5	28	<1	6.61	<10	<1	0.11	<10	0.49	136	20	0.03	<1	110	7.29	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134077**	8	29	<2	<0.2	<0.005	1.75	5	<10	20	<0.5	<2	0.07	<0.5	5	<1	1.92	<10	<1	0.1	<10	1.87	173	9	0.03	<1	160	0.91	<2	1	3	<20	<0.01	<10	<10	2	<10
KC11-203	**I134078**	10	37	<2	<0.2	<0.005	1.69	<2	<10	20	<0.5	<2	0.07	<0.5	5	<1	3.19	<10	<1	0.1	<10	2.05	188	4	0.04	<1	150	2.24	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134079**	15	28	<2	<0.2	<0.005	0.88	5	<10	10	<0.5	<2	0.12	<0.5	8	1	5.53	<10	<1	0.11	<10	1.17	138	5	0.03	<1	140	5.55	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134080**	13	40	2	<0.2	<0.005	1.54	<2	<10	10	<0.5	<2	0.43	<0.5	10	4	6.37	<10	<1	0.11	<10	1.67	296	5	0.04	1	160	6.25	<2	2	6	<20	<0.01	<10	<10	7	<10
KC11-203	**I134081D**	13	40	<2	<0.2	<0.005	1.47	2	<10	10	<0.5	2	0.5	<0.5	9	3	6.14	<10	<1	0.1	<10	1.67	325	5	0.04	<1	170	5.77	<2	2	6	<20	<0.01	<10	<10	6	<10
KC11-203	**I134082**	15	32	<2	<0.2	<0.005	1.2	2	<10	10	<0.5	2	0.54	<0.5	5	1	2.9	<10	<1	0.09	<10	1.42	261	4	0.03	<1	220	2.23	<2	2	6	<20	<0.01	<10	<10	1	<10
KC11-203	**I134083**	7	27	<2	<0.2	<0.005	1.23	2	<10	<10	<0.5	<2	0.77	<0.5	3	1	1.33	<10	<1	0.08	<10	1.68	331	4	0.03	<1	170	0.31	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-203	**I134084**	13	23	<2	<0.2	<0.005	0.98	3	<10	<10	<0.5	<2	0.65	<0.5	7	1	1.86	<10	<1	0.07	<10	1.69	266	8	0.03	<1	100	1.02	<2	2	6	<20	<0.01	<10	<10	2	<10
KC11-203	**I134085**	10	38	<2	<0.2	<0.005	1.15	2	<10	<10	<0.5	<2	0.95	<0.5	11	1	2.84	<10	<1	0.06	<10	3.4	369	4	0.04	<1	130	1.42	<2	3	8	<20	<0.01	<10	<10	4	<10
KC11-203	**I134086**	<1	<2	<2	<0.2	<0.005	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	0.04	<10	<1	<0.01	<10	1.64	28	<1	0.01	<1	40	0.06	<2	<1	4790	20	<0.01	<10	<10	<1	<10
KC11-203	**I134087**	4	48	<2	<0.2	<0.005	2.55	11	<10	<10	<0.5	<2	0.95	<0.5	8	3	2.29	10	<1	0.02	<10	3.97	437	4	0.02	<1	120	0.52	3	5	11	<20	<0.01	<10	<10	5	<10
KC11-203	**I134088**	8	33	2	<0.2	<0.005	1.3	11	<10	<10	<0.5	<2	0.58	<0.5	6	1	1.68	<10	<1	0.06	<10	1.89	226	7	0.03	<1	210	0.67	2	2	11	<20	<0.01	<10	<10	2	<10
KC11-203	**I134089**	15	47	<2	<0.2	<0.005	1.59	13	<10	10	<0.5	<2	0.8	<0.5	11	2	4.51	<10	<1	0.08	<10	2.15	275	10	0.04	<1	450	3.76	<2	2	8	<20	<0.01	<10	<10	3	<10
KC11-203	**I134090**	19	12	<2	<0.2	<0.005	0.25	2	<10	10	<0.5	<2	1.33	<0.5	8	1	4.47	<10	<1	0.07	<10	0.74	257	5	0.04	<1	130	4.63	<2	1	7	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134091**	25	22	8	<0.2	0.343	1.16	534	<10	760	<0.5	<2	0.42	<0.5	1	108	6.28	10	9	0.18	20	0.05	34	4	0.06	10	370	0.45	40	2	199	<20	0.01	10	<10	94	<10
KC11-203	**I134092**	25	25	<2	<0.2	<0.005	0.61	<2	<10	10	<0.5	<2	1.87	<0.5	8	1	2.62	<10	<1	0.06	<10	1.36	290	6	0.04	<1	60	1.93	<2	2	10	<20	<0.01	<10	<10	1	<10
KC11-203	**I134093**	5	27	<2	<0.2	<0.005	0.96	3	<10	<10	<0.5	<2	2.03	<0.5	8	1	2.44	<10	<1	0.06	<10	1.85	298	5	0.05	<1	50	1.39	<2	3	11	<20	<0.01	<10	<10	1	<10
KC11-203	**I134094**	6	20	<2	<0.2	<0.005	1.04	3	<10	10	<0.5	<2	2.05	<0.5	7	1	1.85	<10	<1	0.06	<10	1.8	318	2	0.05	<1	30	0.74	<2	3	11	<20	<0.01	<10	<10	2	<10
KC11-203	**I134095**	6	33	<2	<0.2	<0.005	1.24	2	<10	<10	<0.5	<2	2.24	<0.5	11	1	3.13	<10	<1	0.06	<10	2.27	399	2	0.06	<1	50	1.75	<2	3	11	<20	<0.01	<10	<10	2	<10
KC11-203	**I134096D**	5	35	<2	<0.2	<0.005	1.3	<2	<10	<10	<0.5	<2	2.38	<0.5	10	1	3.09	<10	<1	0.07	<10	2.38	428	2	0.06	<1	50	1.57	<2	3	12	<20	<0.01	<10	<10	2	<10
KC11-203	**I134097**	20	16	2	0.2	0.005	0.27	5	<10	10	<0.5	2	1.84	<0.5	30	<1	10.85	<10	<1	0.08	<10	1.13	304	16	0.05	<1	240	>10.0	<2	2	7	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134098**	16	3	2	<0.2	<0.005	0.21	7	<10	10	<0.5	<2	0.28	<0.5	24	<1	10.15	<10	<1	0.09	<10	0.14	58	13	0.03	<1	10	>10.0	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134099**	6	36	<2	<0.2	<0.005	0.42	2	<10	10	<0.5	<2	0.68	<0.5	8	1	2.76	<10	<1	0.06	<10	1.47	228	8	0.04	<1	60	1.89	<2	2	5	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134100**	22	14	2	0.2	<0.005	0.27	8	<10	10	<0.5	<2	0.32	<0.5	19	1	9.22	<10	<1	0.07	<10	0.58	113	9	0.04	<1	20	>10.0	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134101**	6	25	<2	<0.2	<0.005	1.35	<2	<10	10	<0.5	2	0.35	<0.5	7	1	3.09	<10	<1	0.08	<10	1.51	198	3	0.04	<1	70	2.34	<2	2	5	<20	<0.01	<10	<10	1	<10
KC11-203	**I134102**	18	27	<2	<0.2	<0.005	1.69	8	<10	10	<0.5	<2	0.37	<0.5	8	1	4.03	10	<1	0.07	<10	1.77	271	4	0.03	<1	160	3.36	<2	2	5	<20	<0.01	<10	<10	1	<10

KC11-203	**I134103**	6330	28,900	6800	29.2	0.048	2.11	77	<10	10	<0.5	23	1.49	160	51	68	9.19	10	6	0.25	<10	1.23	460	15	0.13	41	570	8.32	36	5	38	<20	0.14	<10	<10	75	30
KC11-203	**I134104**	11	32	<2	<0.2	<0.005	1.9	6	<10	10	<0.5	<2	0.08	<0.5	6	<1	2.96	10	<1	0.07	<10	1.93	206	4	0.03	<1	80	1.91	<2	2	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134105**	4	39	<2	<0.2	<0.005	2.56	2	<10	<10	<0.5	<2	0.05	<0.5	5	<1	3.18	10	<1	0.05	<10	2.7	286	<1	0.03	<1	50	1.57	<2	3	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134106**	7	44	<2	<0.2	<0.005	2.68	11	<10	<10	<0.5	<2	0.08	<0.5	7	<1	3.72	10	<1	0.05	<10	2.91	282	3	0.03	<1	50	2.34	<2	4	3	<20	<0.01	<10	<10	2	<10
KC11-203	**I134107**	9	18	<2	<0.2	<0.005	1.25	3	<10	20	<0.5	<2	0.08	<0.5	15	1	6.04	<10	<1	0.09	<10	1.13	119	5	0.04	<1	120	6.33	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134108**	7	29	<2	<0.2	<0.005	1.47	5	<10	10	<0.5	2	0.06	<0.5	31	<1	7.28	<10	<1	0.07	<10	1.43	133	7	0.03	<1	170	7.66	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134109D**	8	24	2	<0.2	<0.005	1.63	6	<10	20	<0.5	<2	0.06	<0.5	30	1	7.55	<10	<1	0.09	<10	1.52	144	7	0.04	<1	160	7.89	<2	2	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134110**	6	21	<2	<0.2	<0.005	1.4	4	<10	10	<0.5	<2	0.05	<0.5	20	<1	6.61	<10	<1	0.09	<10	1.28	120	10	0.04	<1	90	6.84	<2	2	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134111**	5	31	<2	<0.2	<0.005	2.03	<2	<10	20	<0.5	<2	0.06	<0.5	4	24	1.88	10	1	0.06	<10	2.03	178	4	0.03	6	110	0.4	<2	2	4	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134112**	2	30	<2	<0.2	<0.005	2.1	<2	<10	10	<0.5	<2	0.1	<0.5	4	<1	1.88	10	1	0.06	<10	2.21	198	2	0.03	<1	120	0.19	<2	3	5	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134113**	4	21	<2	<0.2	<0.005	1.54	<2	<10	10	<0.5	<2	0.06	<0.5	8	1	3.48	<10	<1	0.07	<10	1.56	139	2	0.03	<1	80	2.62	<2	2	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134114**	9	23	<2	0.3	<0.005	1.86	14	<10	10	<0.5	<2	0.06	<0.5	10	<1	3.6	<10	<1	0.08	<10	1.81	157	5	0.04	<1	100	2.53	<2	2	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134115**	8	23	3	0.5	0.006	1.39	17	<10	10	<0.5	<2	0.12	<0.5	7	1	2.64	<10	<1	0.09	<10	1.37	119	7	0.03	<1	140	1.69	<2	2	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134116**	8	48	<2	0.3	0.005	1.59	10	<10	10	<0.5	<2	0.33	<0.5	12	1	3.18	<10	<1	0.07	<10	1.78	157	9	0.03	<1	100	2.03	<2	2	3	<20	<0.01	<10	<10	3	<10
KC11-203	**I134117**	19	11	<2	0.2	0.005	0.28	8	<10	10	<0.5	2	0.27	<0.5	32	1	7.32	<10	<1	0.08	<10	0.15	26	18	0.03	<1	200	8.35	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134118**	<1	<2	<2	<0.2	<0.005	0.05	2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	0.06	<10	<1	<0.01	<10	1.63	30	<1	0.01	<1	40	0.08	<2	<1	5340	20	<0.01	<10	<10	<1	<10
KC11-203	**I134119**	30	23	<2	0.6	0.017	0.39	22	<10	20	<0.5	2	0.59	<0.5	27	1	8.56	<10	<1	0.1	<10	0.36	46	28	0.04	<1	300	9.87	<2	1	15	<20	<0.01	<10	<10	1	<10
KC11-203	**I134120**	10	34	4	0.3	<0.005	1.06	6	<10	<10	<0.5	3	0.24	<0.5	7	1	2.41	<10	<1	0.07	<10	1.17	88	11	0.01	3	370	1.92	<2	1	17	<20	<0.01	<10	<10	2	<10
KC11-203	**I134121**	15	27	4	0.8	0.006	1.48	9	<10	<10	<0.5	2	0.1	<0.5	9	1	3.07	<10	1	0.1	<10	1.54	110	6	0.03	1	240	2.36	<2	1	3	<20	<0.01	<10	<10	2	<10
KC11-203	**I134122**	12	123	2	<0.2	<0.005	4.17	<2	<10	<10	<0.5	<2	0.15	<0.5	27	5	6.68	10	<1	0.04	<10	5.63	552	<1	0.01	6	570	2.93	<2	12	4	<20	<0.01	<10	<10	166	<10
KC11-203	**I134123**	42	146	13	<0.2	0.021	3.52	56	<10	<10	<0.5	<2	0.32	<0.5	61	3	20	10	1	0.02	<10	5.07	570	8	0.01	5	1440	>10.0	<2	11	8	<20	<0.01	10	<10	114	<10
KC11-203	**I134124**	59	127	9	0.4	0.008	0.8	37	<10	10	<0.5	<2	0.58	<0.5	56	1	15.4	<10	2	0.08	<10	3.85	432	4	0.03	5	870	>10.0	<2	6	10	<20	<0.01	<10	<10	60	<10
KC11-203	**I134125**	6080	4810	9540	100	0.276	1.2	249	<10	60	<0.5	4	0.59	23.1	10	29	5.26	<10	2	0.09	<10	0.73	1565	18	0.05	24	420	2.26	416	4	28	<20	0.08	<10	<10	39	<10
KC11-203	**I134126**	17	39	5	0.3	<0.005	0.5	6	<10	10	<0.5	3	0.06	<0.5	10	<1	3.57	<10	1	0.11	<10	2.46	306	4	0.04	2	120	2.27	<2	1	4	<20	<0.01	<10	<10	3	<10
KC11-203	**I134127**	7	37	<2	0.2	<0.005	1.09	<2	<10	<10	<0.5	3	0.04	<0.5	6	<1	2.67	<10	1	0.1	<10	2.37	291	3	0.03	2	70	1.24	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134128**	8	31	<2	<0.2	<0.005	1.04	<2	<10	20	<0.5	3	0.05	<0.5	10	<1	3.65	<10	1	0.13	<10	1.61	218	2	0.03	<1	130	2.86	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134129**	8	46	2	<0.2	<0.005	0.98	<2	<10	10	<0.5	3	0.05	<0.5	12	<1	3.6	<10	<1	0.11	<10	1.95	295	2	0.02	<1	70	2.47	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134130**	6	49	<2	<0.2	<0.005	1.19	2	<10	10	<0.5	3	0.05	<0.5	14	1	3.09	<10	<1	0.11	<10	1.66	265	8	0.02	<1	120	2.03	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134131**	11	88	2	0.2	<0.005	1.14	2	<10	20	<0.5	2	0.04	<0.5	7	1	1.94	<10	<1	0.11	<10	1.74	273	2	0.02	1	90	0.69	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134132**	23	83	<2	0.2	0.007	0.29	5	<10	20	<0.5	4	0.05	<0.5	14	1	4.37	<10	1	0.13	<10	0.57	106	11	0.02	<1	140	4.25	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134133**	21	56	<2	0.2	0.007	0.27	2	<10	30	<0.5	3	0.05	<0.5	12	<1	4.29	<10	<1	0.13	<10	0.31	64	7	0.02	<1	130	4.3	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134134**	<1	<2	<2	0.3	<0.005	0.06	3	<10	<10	<0.5	4	>25.0	<0.5	<1	<1	0.06	<10	<1	0.01	<10	1.8	38	<1	0.01	2	40	0.09	<2	<1	4590	20	<0.01	<10	<10	<1	<10
KC11-203	**I134135**	136	34	<2	0.2	0.005	0.25	3	<10	10	<0.5	8	0.21	<0.5	16	<1	7.62	<10	<1	0.12	<10	0.27	166	6	0.02	<1	160	8.7	<2	<1	6	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134136**	81	21	<2	<0.2	<0.005	0.26	<2	<10	10	<0.5	2	0.12	<0.5	17	1	4.89	<10	<1	0.12	<10	0.11	34	7	0.03	<1	200	5.02	<2	<1	10	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134137**	57	79	<2	0.2	<0.005	0.36	<2	<10	<10	<0.5	2	0.07	<0.5	7	1	3.4	<10	<1	0.11	<10	1.03	154	4	0.03	<1	280	2.9	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134138**	147	54	<2	<0.2	<0.005	0.75	<2	<10	<10	<0.5	3	0.06	<0.5	8	1	2.99	<10	<1	0.1	<10	0.76	127	6	0.02	<1	230	2.44	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-203	**I134139**	36	40	<2	0.2	<0.005	0.39	<2	<10	<10	<0.5	3	0.04	<0.5	10	1	4.84	<10	<1	0.11	<10	0.63	115	10	0.03	<1	170	4.56	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134140D**	34	40	<2	0.2	<0.005	0.37	<2	<10	<10	<0.5	3	0.04	<0.5	10	2	4.85	<10	<1	0.11	<10	0.63	119	10	0.03	<1	160	4.51	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134141**	5	60	<2	<0.2	<0.005	1.06	<2	<10	<10	<0.5	3	0.05	<0.5	8	1	3.03	<10	<1	0.09	<10	1.17	193	4	0.02	<1	180	2.02	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134142**	18	33	<2	<0.2	<0.005	0.97	3	<10	10	<0.5	2	0.05	<0.5	28	1	7.2	<10	1	0.12	<10	0.81	132	9	0.03	<1	140	7.55	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-203	**I134143**	8	31	<2	<0.2	<0.005	1.46	2	<10	10	<0.5	2	0.05	<0.5	13	1	3.19	<10	1	0.12	<10	1.29	185	7	0.03	<1	180	2.32	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134144**	9	37	<2	<0.2	<0.005	1.68	3	<10	10	<0.5	<2	0.05	<0.5	9	1	2.92	<10	1	0.12	<10	1.58	222	10	0.03	<1	170	1.88	<2	1	3	<20	<0.01	<10	<10	2	<10
KC11-203	**I134145**	30	24	2	<0.2	0.005	1.1	6	<10	<10	<0.5	<2	0.08	<0.5	75	1	10.55	<10	<1	0.1	<10	1.06	175	35	0.03	1	220	>10.0	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134146D**	29	26	3	<0.2	<0.005	1.17	5	<10	<10	<0.5	<2	0.08	<0.5	69	1	10.45	<10	1	0.1	<10	1.15	185	34	0.03	<1	230	>10.0	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-203	**I134147**	9	26	2	<0.2	<0.005	1.17	3	<10	<10	<0.5	<2	0.04	<0.5	31	1	5.88	<10	1	0.12	<10	1.09	151	7	0.03	<1	160	5.98	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134148**	2	48	<2	<0.2	<0.005	1.83	<2	<10	<10	<0.5	3	0.06	<0.5	3	1	1.71	<10	<1	0.12	<10	1.79	229	2	0.03	<1	220	0.46	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-203	**I134149**	3	42	<2	<0.2	<0.005	1.68	<2	<10	<10	<0.5	2	0.05	<0.5	3	1	1.67	<10	1	0.11	<10	1.61	208	3	0.03	<1	200	0.53	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-203	**I134150**	6	9	2	<0.2	<0.005	0.99	2	<10	<10	<0.5	2	0.04	<0.5	59	2	9.22	<10	1	0.12	<10	0.82	135	10	0.02	3	180	>10.0	<2	1	3	<20	<0.01	<10	<10	2	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-204	**I134151**	61	40	5	0.3	0.013	1.34	4	<10	30	<0.5	<2	3.3	<0.5	23	28	3.42	<10	<1	0.12	<10	1.32	751	<1	0.02	23	200	1.54	<2	5	49	<20	<0.01	<10	<10	24	<10
KC11-204	**I134152**	50	61	7	0.4	0.023	1.58	4	<10	40	<0.5	<2	3.27	<0.5	33	25	4.5	<10	<1	0.17	<10	1.45	982	<1	0.04	29	270	1.86	<2	6	59	<20	<0.01	<10	<10	34	<10
KC11-204	**I134153**	54	57	6	0.3	<0.005	0.37	5	<10	40	<0.5	<2	5.62	<0.5	12	12	2.51	<10	<1	0.12	<10	0.65	1465	<1	0.04	13	490	0.91	<2	4	83	<20	<0.01	<10	<10	12	<10
KC11-204	**I134154**	36	48	7	0.3	0.005	0.39	5	<10	50	<0.5	<2	4.97	<0.5	13	11	2.37	<10	<1	0.16	<10	0.85	1130	4	0.04	15	660	1.34	<2	3	55	<20	<0.01	<10	<10	9	<10
KC11-204	**I134155**	78	119	8	0.3	0.013	0.27	7	<10	60	<0.5	<2	3.59	<0.5	20	4	2.52	<10	<1	0.15	<10	0.99	495	6	0.03	26	260	2.48	<2	2	34	<20	<0.01	<10	<10	4	<10
KC11-204	**I134156D**	79	112	7	0.4	0.012	0.39	7	<10	70	<0.5	<2	3.39	<0.5	20	5	2.66	<10	<1	0.2	<10	1	497	6	0.04	26	260	2.56	<2	3	34	<20	<0.01	<10	<10	6	<10
KC11-204	**I134157**	230	3100	39	1.3	0.021	0.24	22	<10	50	<0.5	2	1.83	16.8	12	1	5.01	<10	1	0.13	<10	0.89	273	29	0.03	5	560	6.22	<2	2	18	<20	<0.01	<10	<10	3	<10
KC11-204	**I134158**	4580	13,150	65	27.6	0.363	0.18	80	<10	30	<0.5	3	4.82	57.6	<1	<1	23.9	<10	2	0.04	<10	3.29	1420	51	0.06	<1	840	>10.0	<2	3	41	<20	<0.01	<10	<10	5	20
KC11-204	**I134159**	5970	7390	242	28.4	0.51	0.17	60	<10	20	<0.5	8	6.16	39.4	<1	<1	19.1	<10	2	0.03	<10	5.03	2060	105	0.05	2	830	>10.0	2	4	63	<20	<0.01	<10	<10	5	10
KC11-204	**I134160**	15,000	29,100	2410	59.5	0.898	0.66	36	<10	30	<0.5	34	0.82	66.1	90	28	25.7	10	1	0.07	<10	1.05	500	8	0.01	12	70	>10.0	8	1	4	<20	0.01	10	<10	9	20
KC11-204	**I134161**	1490	7800	531	6.6	0.074	0.36	52	<10	50	<0.5	<2	2.92	39.7	7	1	9.58	<10	2	0.15	<10	2.1	883	28	0.05	1	230	>10.0	3	2	33	<20	<0.01	<10	<10	2	10
KC11-204	**I134162**	2430	5520	78	5.2	0.064	0.3	40	<10	60	<0.5	2	0.54	32.2	4	1	6.41	<10	1	0.11	<10	1.02	198	14	0.05	<1	200	7.8	3	1	12	<20	<0.01	<10	<10	1	<10
KC11-204	**I134163**	317	888	100	1.7	0.027	0.57	21	<10	40	<0.5	<2	1.89	3.9	40	1	12.45	<10	<1	0.11	<10	2.41	663	5	0.1	<1	270	>10.0	<2	3	23	<20	<0.01	<10	<10	6	<10
KC11-204	**I134164**	2950	6950	122	5.7	0.12	0.32	91	<10	30	<0.5	<2	1.82	36.4	<1	<1	12.2	<10	2	0.04	<10	1.45	485	50	0.07	7	300	>10.0	3	4	17	<20	<0.01	<10	<10	7	10
KC11-204	**I134165**	11	27	2	3.2	<0.005	0.04	<2	<10	20	<0.5	<2	>25.0	<0.5	1	1	0.08	<10	<1	<0.01	<10	2.1	26	<1	0.02	<1	40	0.15	<2	<1	5210	20	<0.01	<10	<10	<1	<10
KC11-204	**I134166**	27	205	5	0.3	0.006	0.4	10	<10	40	<0.5	<2	1.2	<0.5	3	1	3.41	<10	<1	0.05	<10	2.77	263	4	0.07	1	180	2.84	<2	3	20	<20	<0.01	<10	<10	3	<10
KC11-204	**I134167**	14	187	3	<0.2	<0.005	1.93	4	<10	50	<0.5	<2	0.54	<0.5	4	1	3.07	<10	<1	0.09	<10	3.4	255	2	0.07	1	40	1.87	<2	3	26	<20	<0.01	<10	<10	3	<10
KC11-204	**I134168**	23	107	5	0.2	<0.005	0.42	13	<10	50	<0.5	<2	2.84	<0.5	2	1	4.25	<10	<1	0.08	<10	2.49	527	14	0.09	2	310	4.26	<2	4	22	<20	<0.01	<10	<10	2	<10
KC11-204	**I134169**	16	127	7	0.2	<0.005	1.06	21	<10	50	<0.5	<2	0.4	<0.5	4	1	4.28	<10	1	0.1	<10	3.24	172	22	0.13	1	10	3.71	<2	3	10	<20	<0.01	<10	<10	3	<10
KC11-204	**I134170**	7	92	4	0.2	<0.005	0.83	10	<10	30	<0.5	<2	3.11	<0.5	3	1	2.59	<10	<1	0.03	<10	3.13	346	13	0.09	<1	30	2.2	<2	6	23	<20	<0.01	<10	<10	2	<10
KC11-204	**I134171D**	7	93	4	0.2	<0.005	0.98	10	<10	30	<0.5	<2	2.78	<0.5	3	1	2.66	<10	<1	0.04	<10	2.95	319	13	0.11	<1	30	2.2	<2	6	22	<20	<0.01	<10	<10	2	<10
KC11-204	**I134172**	55	1740	164	1.7	0.009	0.73	22	<10	40	<0.5	<2	2.17	3.8	3	<1	4.06	<10	1	0.03	<10	3.47	373	14	0.1	<1	60	4.21	3	6	24	<20	<0.01	<10	<10	3	<10
KC11-204	**I134173**	51	124	83	1	0.005	0.46	29	<10	30	<0.5	2	6.1	<0.5	81	<1	10.45	<10	<1	0.05	<10	4.59	2240	8	0.12	<1	90	>10.0	5	7	37	<20	<0.01	<10	<10	2	<10
KC11-204	**I134174**	1050	58	56	3	0.048	0.14	41	<10	30	<0.5	3	1.17	<0.5	269	<1	21.8	<10	1	0.03	<10	1.1	387	<1	0.03	<1	<10	>10.0	6	1	7	<20	<0.01	<10	<10	2	<10
KC11-204	**I134175**	7270	116	44	3.1	0.017	0.33	126	<10	30	<0.5	3	8.6	1.5	9	<1	11.85	<10	<1	0.03	<10	5.82	3250	11	0.1	<1	110	>10.0	13	5	43	<20	<0.01	<10	<10	3	<10
KC11-204	**I134176D**	7060	123	42	3.1	0.011	0.23	124	10	30	<0.5	<2	8.9	1.3	9	<1	11.6	<10	<1	0.02	<10	6.23	3480	10	0.07	<1	130	>10.0	12	5	44	<20	<0.01	<10	<10	3	<10
KC11-204	**I134177**	11,800	2590	49	21	0.258	0.17	265	<10	20	<0.5	17	0.56	19.3	133	<1	19.9	<10	2	0.02	<10	0.27	111	1	0.04	<1	340	>10.0	10	1	8	<20	<0.01	<10	<10	3	<10
KC11-204	**I134178**	7550	17,250	125	18	0.241	0.16	239	<10	20	<0.5	27	1.31	122.5	158	<1	22.2	<10	5	0.01	<10	0.64	244	11	0.02	<1	790	>10.0	10	1	15	<20	<0.01	<10	<10	8	10
KC11-204	**I134179**	42,400	18,600	1275	83	0.989	0.02	266	<10	20	<0.5	88	5.41	89.2	59	<1	20.5	<10	7	<0.01	<10	3.96	2040	14	0.01	<1	290	>10.0	19	1	19	<20	<0.01	<10	<10	8	20
KC11-204	**I134180**	50,100	35,400	187	95	0.908	0.05	524	<10	<10	<0.5	131	5.45	178	73	<1	21.8	10	14	0.01	<10	4.1	1740	34	0.03	<1	1110	>10.0	28	2	15	<20	<0.01	<10	<10	9	10
KC11-204	**I134181**	51.1	23,800	1555	113	1.89	1.34	44	<10	10	<0.5	154	0.34	62.6	154	25	30.7	20	1	0.06	<10	1.54	390	8	0.02	9	90	>10.0	<2	3	1	<20	0.01	<10	<10	14	10
KC11-204	**I134182**	18,150	51,900	231	41.9	0.201	0.16	276	<10	10	<0.5	46	3.04	179.5	<1	<1	25.8	10	13	0.03	<10	1.68	802	20	0.07	<1	50	>10.0	6	2	9	<20	<0.01	<10	<10	5	10
KC11-204	**I134183**	15,300	6270	124	42.8	0.253	0.11	191	<10	10	<0.5	48	1.93	29.2	<1	<1	26.3	10	3	0.02	<10	0.94	493	5	0.04	<1	760	>10.0	4	1	5	<20	<0.01	<10	<10	4	<10
KC11-204	**I134184**	9100	6950	76	22.4	0.144	0.16	126	<10	10	<0.5	30	1	33.9	69	<1	25.6	10	2	0.03	<10	0.45	294	2	0.06	<1	650	>10.0	<2	1	3	<20	<0.01	<10	<10	4	<10
KC11-204	**I134185**	8420	321	62	14.9	0.123	0.1	78	<10	<10	<0.5	30	1.95	1.3	200	<1	25.3	10	1	0.02	<10	0.99	609	1	0.04	<1	630	>10.0	<2	1	5	<20	<0.01	<10	<10	3	<10
KC11-204	**I134186**	122	49	<2	0.4	<0.005	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	2	<1	0.32	<10	<1	<0.01	<10	2.02	44	<1	0.03	<1	70	0.42	<2	<1	5250	20	<0.01	<10	30	<1	<10
KC11-204	**I134187**	4550	9280	76	7.1	0.099	0.12	71	<10	10	<0.5	12	2.81	44.5	96	<1	24.5	10	3	0.02	<10	1.38	955	4	0.05	<1	1370	>10.0	<2	1	16	<20	<0.01	<10	<10	4	10
KC11-204	**I134188**	1380	7510	90	2.3	0.04	0.24	23	<10	10	<0.5	<2	7.7	39.1	15	<1	17.2	<10	2	0.04	<10	4.66	4670	8	0.07	<1	510	>10.0	4	3	45	<20	<0.01	<10	10	4	<10
KC11-204	**I134189**	5240	1530	70	15.5	0.113	0.74	65	<10	20	<0.5	<2	2.25	6.6	16	1	22.6	<10	1	0.16	<10	1.22	1120	17	0.18	<1	310	>10.0	3	2	16	<20	<0.01	<10	<10	3	<10
KC11-204	**I134190**	10,900	418	52	26.3	0.223	0.38	157	<10	10	<0.5	9	0.11	2.7	25	1	26.9	<10	1	0.13	<10	0.05	47	22	0.09	<1	10	>10.0	16	1	6	<20	<0.01	<10	<10	3	<10
KC11-204	**I134191**	196	316	8	0.5	0.007	0.69	16	<10	30	<0.5	<2	1.2	0.8	19	3	8.69	<10	<1	0.14	<10	0.92	392	14	0.13	3	20	>10.0	<2	3	13	<20	<0.01	<10	<10	3	<10
KC11-204	**I134192**	75	40	10	0.6	0.014	0.41	18	<10	30	<0.5	<2	0.21	<0.5	33	2	12.5	<10	<1	0.16	<10	0.22	93	15	0.07	<1	<10	>10.0	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-204	**I134193**	34	201	8	0.4	0.006	0.69	19	<10	50	<0.5	<2	0.74	<0.5	20	7	7.3	<10	<1	0.2	<10	1.82	299	8	0.08	23	20	8.25	<2	2	8	<20	<0.01	<10	<10	3	<10
KC11-204	**I134194**	33	130	15	1.2	0.017	0.4	29	<10	50	<0.5	<2	1.12	<0.5	16	2	8.54	<10	<1	0.14	<10	1.52	366	8	0.05	<1	10	>10.0	<2	2	32	<20	<0.01	<10	<10	2	<10
KC11-204	**I134195D**	34	141	16	1.1	0.017	0.68	30	<10	50	<0.5	<2	0.91	<0.5	17	2	9.13	<10	<1	0.21	<10	1.61	344	7	0.07	<1	10	>10.0	<2	2	25	<20	<0.01	<10	<10	2	<10
KC11-204	**I134196**	83	28	45	1.3	0.013	0.49	23	<10	20	<0.5	4	0.18	<0.5	17	1	18.7	<10	<1	0.19	<10	0.12	48	12	0.07	<1	<10	>10.0	2	1	9	<20	<0.01	<10	<10	1	<10
KC11-204	**I134197**	137	455	91	1.3	0.008	1.8	28	<10	40	<0.5	3	0.84	2.3	14	2	16.4	<10	<1	0.15	<10	2.59	442	9	0.07	<1	10	>10.0	2	4	13	<20	<0.01	<10	<10	3	<10
KC11-204	**I134198**	1245	2120	6	1.7	0.005	1.5	24	<10	30	<0.5	2	0.56	23.9	9	2	10.25	<10	1	0.11	<10	1.91	223	14	0.05	<1	10	>10.0	<2	2	8	<20	<0.01	<10	<10	2	<10
KC11-204	**I134199**	74	58	5	0.4	0.011	1.08	5	<10	20	<0.5	4	0.14	<0.5	54	2	15.7	<10	<1	0.21	<10	0.96	127	28	0.06	<1	20	>10.0	<2	1	7	<20	<0.01	<10	<10	4	<10
KC11-204	**I134200**	210	83	2	<0.2	<0.005	1.69	6	<10	20	<0.5	<2	0.33	<0.5	5	1	3.39	<10	<1	0.09	<10	2.86	323	9	0.02	<1	250	2.79	<2	2	10	<20	<0.01	<10	<10	3	<10
KC11-204	**I134201D**	207	73	<2	<0.2	<0.005	1.39	5	<10	20	<0.5	2	0.31	<0.5	6	1	3.16	<10	<1	0.07	<10	2.52	283	9	0.01	<1	270	2.71	<2	2	10	<20	<0.01	<10	<10	2	<10
KC11-204	**I134202**	14	97	2	<0.2	<0.005	2.58	5	<10	20	<0.5	<2	0.24	<0.5	6	1	3.05	10	<1	0.06	<10	3.93	408	13	0.01	<1	120	2	<2	3	5	<20	<0.01	<10	<10	4	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-205	**I134203**	119	446	32	1.4	0.033	0.57	209	<10	60	<0.5	3	3.87	3.4	2	9	5.96	<10	1	0.16	<10	1.7	308	99	0.05	59	1730	6.93	4	5	80	<20	<0.01	<10	<10	47	<10
KC11-205	**I134204**	110	317	11	0.6	0.011	1.12	87	<10	60	<0.5	3	1.3	2.1	3	13	2.77	<10	<1	0.12	10	1.42	241	21	0.05	60	1060	2.39	2	6	37	<20	<0.01	<10	<10	53	<10
KC11-205	**I134205**	384	1660	14	0.8	0.017	1.03	74	<10	70	<0.5	<2	0.96	6.9	1	1	3.75	<10	<1	0.15	<10	1.4	202	58	0.02	3	140	3.86	3	4	22	<20	<0.01	<10	<10	6	<10
KC11-205	**I134206**	229	1230	79	2.8	0.053	1.45	79	<10	20	<0.5	3	0.26	3.6	3	<1	7.67	<10	<1	0.21	<10	1.62	246	5	0.02	<1	120	8.58	3	3	16	<20	<0.01	<10	<10	2	<10
KC11-205	**I134207D**	200	1410	103	2.9	0.062	1.35	78	<10	20	<0.5	3	0.26	3.8	2	<1	7.31	<10	<1	0.16	<10	1.61	244	4	0.01	<1	110	8.29	3	3	15	<20	<0.01	<10	<10	2	<10
KC11-205	**I134208**	30	280	100	0.2	<0.005	1.17	5	<10	60	<0.5	2	0.44	0.7	2	3	2.59	<10	<1	0.14	<10	1.58	367	1	0.04	<1	230	0.77	<2	5	25	<20	<0.01	<10	<10	3	<10
KC11-205	**I134209**	4	32	<2	<0.2	<0.005	0.84	3	<10	50	<0.5	2	0.38	<0.5	2	2	1.84	<10	1	0.14	<10	0.97	216	1	0.03	<1	160	0.35	3	4	21	<20	<0.01	<10	<10	2	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-206	**I134210**	81	47	<2	<0.2	<0.005	3.55	25	<10	<10	<0.5	2	12	<0.5	23	55	4.36	10	<1	0.08	<10	3.22	1250	<1	0.02	13	330	0.09	<2	14	453	<20	0.09	<10	<10	107	<10
KC11-206	**I134211**	82	50	<2	<0.2	<0.005	3.68	30	<10	10	<0.5	<2	6.67	<0.5	28	52	4.45	10	<1	0.09	<10	3.48	1050	<1	0.02	14	160	0.11	<2	11	240	<20	0.04	<10	<10	98	<10
KC11-206	**I134212**	31	78	5	0.5	<0.005	1.18	<2	<10	60	<0.5	<2	0.14	<0.5	4	3	3.05	<10	<1	0.19	<10	1.03	266	4	0.01	3	210	1.61	<2	2	14	<20	<0.01	<10	<10	4	<10
KC11-206	**I134213**	311	518	47	2.3	<0.005	0.99	<2	<10	50	<0.5	2	0.85	3	4	10	5.79	<10	<1	0.15	10	0.92	360	63	0.01	50	1590	3.35	<2	1	25	<20	<0.01	<10	<10	30	<10
KC11-206	**I134214D**	262	491	39	1.7	<0.005	1.03	4	<10	60	<0.5	<2	0.97	2.6	4	10	5.03	<10	<1	0.16	10	0.95	386	66	0.01	43	1590	2.93	<2	1	27	<20	<0.01	<10	<10	30	<10
KC11-206	**I134215**	17	76	6	0.4	<0.005	0.71	20	<10	80	<0.5	<2	0.27	<0.5	1	2	2.01	<10	<1	0.16	<10	0.61	252	15	0.01	<1	100	1.52	<2	1	10	<20	<0.01	<10	<10	2	<10
KC11-206	**I134216**	80	109	73	4.3	0.06	0.46	199	<10	20	<0.5	<2	0.14	0.5	<1	11	9.28	<10	<1	0.09	<10	0.4	239	34	<0.01	14	190	>10.0	4	<1	8	<20	<0.01	<10	<10	18	<10
KC11-206	**I134217**	61	263	6	0.6	0.006	0.64	106	<10	70	<0.5	<2	0.27	0.9	3	10	3.36	<10	<1	0.15	<10	0.54	282	7	0.01	3	210	3.23	<2	1	10	<20	0.01	<10	<10	6	<10
KC11-206	**I134218**	384	3330	201	5.9	0.113	0.53	420	<10	10	<0.5	<2	4.18	11.3	<1	1	20.4	<10	<1	0.11	<10	0.43	1500	37	0.01	<1	270	>10.0	16	1	106	<20	<0.01	10	<10	3	<10
KC11-206	**I134219**	6140	31,800	6380	26.5	0.056	1.93	74	<10	<10	<0.5	20	1.3	155.5	48	63	8.33	10	6	0.22	<10	1.08	431	14	0.11	36	560	8.59	36	5	37	<20	0.13	10	<10	69	20
KC11-206	**I134220**	231	5110	84	1.6	0.014	0.23	196	<10	50	<0.5	<2	0.09	13.1	2	1	2.91	<10	1	0.17	<10	0.03	45	8	<0.01	<1	90	3.45	8	<1	8	<20	<0.01	<10	<10	<1	<10
KC11-206	**I134221**	261	6160	54	2.1	0.017	0.24	167	<10	50	<0.5	<2	0.17	19.4	3	2	3.32	<10	1	0.18	<10	0.03	62	10	0.01	<1	90	4	5	1	9	<20	<0.01	10	<10	<1	<10
KC11-206	**I134222**	626	7520	130	2.7	0.015	0.23	45	<10	40	<0.5	<2	0.12	24	2	3	4.84	<10	1	0.17	<10	0.02	41	6	0.01	<1	90	6.36	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-206	**I134223**	308	5150	93	1.5	0.008	0.34	42	<10	70	<0.5	<2	0.15	14.5	3	2	2.66	<10	1	0.22	<10	0.11	61	6	0.01	<1	140	3.06	<2	1	8	<20	0.01	<10	<10	<1	<10
KC11-206	**I134224D**	334	5740	98	1.7	0.006	0.28	37	<10	60	<0.5	<2	0.14	16.7	2	2	2.72	<10	1	0.18	<10	0.09	56	6	0.01	<1	130	3.14	<2	1	8	<20	<0.01	<10	<10	<1	<10
KC11-206	**I134225**	351	4730	60	1.6	0.008	0.49	110	<10	70	<0.5	<2	0.14	13.3	3	1	2.61	<10	1	0.23	<10	0.29	84	8	0.01	<1	110	2.87	2	1	8	<20	0.01	<10	<10	1	<10
KC11-206	**I134226**	59	311	2	0.3	<0.005	2.29	35	<10	30	<0.5	<2	2.39	<0.5	12	32	3.83	10	<1	0.17	<10	2.48	605	25	0.03	10	2100	2.72	<2	3	51	<20	0.06	<10	<10	28	<10
KC11-206	**I134227**	30	145	5	0.2	<0.005	1.93	20	<10	20	<0.5	<2	1.85	<0.5	3	15	3.13	10	<1	0.13	<10	2.12	460	17	0.04	3	780	1.99	<2	4	41	<20	0.03	<10	<10	25	<10
KC11-206	**I134228**	<1	2	<2	0.6	<0.005	0.04	6	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	0.05	<10	<1	0.01	<10	2.03	31	<1	0.02	2	50	0.08	<2	<1	5100	20	<0.01	<10	<10	<1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-207	**I134229**	213	112	2	<0.2	<0.005	0.74	<2	<10	50	<0.5	<2	3.23	<0.5	15	11	4.61	<10	<1	0.2	<10	1.24	1030	5	0.03	17	2700	1.62	<2	2	130	<20	<0.01	<10	<10	27	<10
KC11-207	**I134230**	204	137	2	0.4	<0.005	0.81	9	<10	80	<0.5	2	4.46	<0.5	21	15	5.41	<10	<1	0.25	10	1.52	1200	16	0.05	25	2930	2.33	<2	3	166	<20	<0.01	<10	<10	29	<10
KC11-207	**I134231**	217	118	<2	0.4	<0.005	0.69	9	<10	70	<0.5	<2	3.33	<0.5	19	7	5.11	<10	<1	0.25	10	1.27	707	3	0.04	24	3020	2.6	<2	2	132	<20	<0.01	<10	<10	19	<10
KC11-207	**I134232**	76	135	10	0.2	<0.005	0.51	6	<10	90	<0.5	<2	2.18	<0.5	8	6	2.94	<10	<1	0.27	10	0.77	342	5	0.03	33	590	1.97	<2	2	56	<20	<0.01	<10	<10	12	<10
KC11-207	**I134233**	75	72	<2	0.2	<0.005	0.38	7	<10	70	<0.5	<2	2.12	<0.5	9	6	3.07	<10	<1	0.19	<10	0.72	390	3	0.02	28	760	1.83	<2	2	64	<20	<0.01	<10	<10	9	<10
KC11-207	**I134234D**	75	74	<2	0.2	<0.005	0.43	6	<10	80	<0.5	2	2.25	<0.5	8	7	3.12	<10	<1	0.22	<10	0.76	422	3	0.02	29	760	1.75	<2	2	68	<20	<0.01	<10	<10	10	<10
KC11-207	**I134235**	151	119	<2	0.3	<0.005	0.54	6	<10	70	<0.5	<2	3.08	<0.5	15	8	4.59	<10	<1	0.21	10	1.27	630	3	0.02	34	1660	2.26	<2	2	88	<20	<0.01	<10	<10	15	<10
KC11-207	**I134236**	23	170	96	0.4	<0.005	0.36	16	<10	40	<0.5	2	5.61	0.6	10	6	3.68	<10	<1	0.15	<10	0.87	689	11	0.03	32	1040	3.32	<2	3	178	<20	<0.01	<10	<10	9	<10
KC11-207	**I134237**	21	168	64	0.4	<0.005	0.23	17	<10	40	<0.5	<2	6.07	0.7	7	6	3.05	<10	<1	0.11	10	0.47	580	11	0.03	33	470	3.03	<2	3	203	<20	<0.01	<10	<10	7	<10
KC11-207	**I134238**	20	112	9	0.2	<0.005	0.76	9	<10	70	<0.5	<2	3.45	<0.5	5	5	2.98	<10	<1	0.18	10	0.85	346	<1	0.05	10	510	1.53	<2	4	79	<20	<0.01	<10	<10	13	<10
KC11-207	**I134239**	15	135	9	<0.2	0.032	0.29	14	<10	90	<0.5	2	3.32	<0.5	4	3	2.72	<10	<1	0.11	<10	0.77	343	2	0.03	8	320	1.59	2	4	73	<20	<0.01	<10	<10	8	<10
KC11-207	**I134240**	25	117	10	0.2	<0.005	0.38	12	<10	70	<0.5	2	4.79	<0.5	4	3	2.91	<10	<1	0.13	<10	0.83	394	2	0.04	9	360	1.62	<2	4	123	<20	<0.01	<10	<10	10	<10
KC11-207	**I134241**	14	127	8	0.2	<0.005	0.39	8	<10	40	<0.5	<2	3.77	<0.5	4	3	2.7	<10	1	0.11	<10	0.77	356	2	0.03	10	310	1.44	<2	3	81	<20	<0.01	<10	<10	10	<10
KC11-207	**I134242D**	15	124	11	<0.2	<0.005	0.45	9	<10	50	<0.5	2	3.81	<0.5	5	3	2.83	<10	<1	0.13	<10	0.77	366	2	0.03	10	320	1.52	<2	4	83	<20	<0.01	<10	<10	10	<10
KC11-207	**I134243**	21	133	38	0.4	<0.005	1.05	8	<10	60	<0.5	2	2.02	<0.5	8	4	3.58	<10	<1	0.17	<10	0.76	277	3	0.04	10	340	2.07	<2	3	42	<20	<0.01	<10	<10	15	<10
KC11-207	**I134244**	29	107	3	<0.2	<0.005	1.15	2	<10	50	<0.5	<2	2.24	<0.5	8	7	3.82	<10	<1	0.13	<10	1.11	330	1	0.03	10	280	0.7	<2	7	68	<20	<0.01	<10	<10	26	<10
KC11-207	**I134245**	37	97	<2	<0.2	<0.005	2.45	11	<10	30	<0.5	3	2.32	<0.5	12	6	5.16	10	<1	0.18	<10	1.57	550	1	0.02	6	450	0.79	4	5	59	<20	0.21	<10	<10	47	<10
KC11-207	**I134246**	25	57	<2	<0.2	<0.005	1.68	7	<10	10	<0.5	<2	3.27	<0.5	5	4	2.23	<10	<1	0.08	<10	0.94	396	2	0.04	1	380	0.23	<2	2	93	<20	0.1	<10	<10	8	<10
KC11-207	**I134247**	<1	<2	<2	2.9	<0.005	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	1	1	0.05	<10	<1	0.01	<10	1.74	28	<1	0.01	<1	50	0.12	<2	<1	4820	20	<0.01	<10	<10	<1	<10
KC11-207	**I134248**	25	72	<2	<0.2	<0.005	1.74	6	<10	10	<0.5	<2	1.76	<0.5	6	2	2.41	<10	<1	0.07	<10	1.06	378	1	0.05	<1	410	0.23	<2	2	43	<20	0.1	<10	<10	10	<10
KC11-207	**I134249**	89	71	4	0.2	<0.005	1.63	16	<10	10	<0.5	<2	1.36	<0.5	7	2	2.91	<10	<1	0.09	<10	1	352	6	0.04	1	320	0.81	2	2	30	<20	0.08	<10	<10	10	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-208	**I134250**	1760	4660	8	0.2	0.005	5.72	8	<10	10	<0.5	2	0.98	18	31	128	8.21	20	2	0.03	<10	6.36	3040	6	0.05	45	780	4.17	3	26	27	<20	0.07	<10	<10	257	<10
KC11-208	**I134251**	500	1495	9	<0.2	<0.005	5.26	4	<10	10	<0.5	<2	1.16	4.5	32	128	7.18	20	1	0.03	<10	5.57	2860	3	0.05	43	790	2.55	2	25	35	<20	0.12	<10	<10	257	<10
KC11-208	**I134252**	35	125	16	<0.2	<0.005	2.65	5	<10	10	<0.5	<2	0.9	<0.5	16	26	3.94	10	<1	0.05	<10	3.09	774	2	0.08	8	240	2.31	2	12	25	<20	<0.01	<10	<10	84	<10
KC11-208	**I134253**	35	98	12	<0.2	0.005	2.14	6	<10	20	<0.5	<2	0.65	<0.5	14	17	3.83	10	<1	0.12	<10	2.19	640	<1	0.11	8	210	2.33	2	8	16	<20	<0.01	<10	<10	51	<10
KC11-208	**I134254**	6	102	<2	<0.2	<0.005	1.24	<2	<10	20	<0.5	<2	0.61	<0.5	1	3	2.53	10	<1	0.11	<10	1.03	703	<1	0.09	<1	130	1.08	<2	4	13	<20	<0.01	<10	<10	5	<10
KC11-208	**I134255D**	6	100	2	<0.2	<0.005	1.22	<2	<10	20	<0.5	<2	0.57	<0.5	1	3	2.45	10	<1	0.11	<10	1	670	<1	0.09	<1	130	1.07	<2	4	12	<20	<0.01	<10	<10	5	<10
KC11-208	**I134256**	3	122	<2	<0.2	<0.005	1.42	11	<10	20	<0.5	<2	0.44	<0.5	1	2	2.45	10	<1	0.11	10	1.01	713	<1	0.08	<1	160	0.71	<2	4	10	<20	<0.01	<10	<10	2	<10
KC11-208	**I134257**	7	103	<2	<0.2	<0.005	1.49	2	<10	40	<0.5	<2	0.34	<0.5	<1	1	2.09	10	<1	0.16	10	1.22	507	<1	0.07	<1	50	0.5	<2	1	10	<20	<0.01	<10	<10	3	<10
KC11-208	**I134258**	3	77	<2	<0.2	<0.005	1.2	<2	<10	30	<0.5	<2	0.45	<0.5	1	5	2.02	<10	<1	0.07	10	1.21	479	2	0.1	1	90	0.95	<2	3	11	<20	<0.01	<10	<10	7	<10
KC11-208	**I134259**	72	351	56	<0.2	<0.005	5.43	3	<10	<10	<0.5	<2	3.33	<0.5	33	158	6.96	20	1	<0.01	<10	5.28	2030	<1	0.05	36	720	0.95	3	23	70	<20	0.3	<10	<10	237	<10
KC11-208	**I134260**	141	757	5	<0.2	<0.005	5.84	6	<10	<10	<0.5	<2	2.7	<0.5	36	149	7.51	20	1	<0.01	<10	5.82	2830	<1	0.05	36	810	1.91	3	31	44	<20	0.15	<10	<10	269	<10
KC11-208	**I134261**	10	269	8	<0.2	<0.005	1.05	<2	<10	30	<0.5	<2	0.37	<0.5	<1	2	1.74	<10	<1	0.18	10	0.96	525	<1	0.06	<1	50	1.24	2	1	8	<20	<0.01	<10	<10	4	<10
KC11-208	**I134262**	13	265	<2	<0.2	<0.005	0.68	4	<10	20	<0.5	<2	0.28	1.2	1	2	1.79	<10	1	0.14	<10	0.83	463	<1	0.07	<1	10	1.28	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-208	**I134263**	6	62	<2	<0.2	<0.005	0.35	<2	<10	10	<0.5	<2	0.31	<0.5	<1	2	1.92	<10	<1	0.11	10	0.74	481	<1	0.08	<1	10	1.38	2	2	10	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134264AD**	6	59	<2	<0.2	<0.005	0.33	<2	<10	10	<0.5	<2	0.3	<0.5	<1	2	1.87	<10	<1	0.11	10	0.73	468	<1	0.08	<1	10	1.34	<2	2	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134265**	11	55	<2	<0.2	<0.005	0.41	2	<10	20	<0.5	<2	0.53	<0.5	5	2	2.34	<10	<1	0.11	<10	0.88	551	1	0.09	<1	240	1.49	<2	3	13	<20	<0.01	<10	<10	7	<10
KC11-208	**I134266**	6	50	2	<0.2	<0.005	0.41	<2	<10	30	<0.5	2	0.49	<0.5	2	14	1.68	<10	<1	0.18	<10	0.68	433	1	0.07	4	30	0.96	<2	1	10	<20	0.01	<10	<10	5	<10
KC11-208	**I134267**	5	121	<2	<0.2	<0.005	0.35	<2	<10	30	<0.5	<2	0.76	<0.5	<1	2	1.6	<10	<1	0.11	<10	0.81	533	<1	0.07	<1	<10	0.73	<2	1	10	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134268**	7	73	2	<0.2	<0.005	0.43	<2	<10	30	<0.5	<2	0.26	<0.5	1	1	1.72	<10	<1	0.16	<10	0.7	268	1	0.06	<1	<10	1.1	2	1	8	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134269**	3	90	<2	<0.2	<0.005	0.41	<2	<10	30	<0.5	2	0.68	<0.5	1	1	1.56	<10	<1	0.13	<10	0.98	400	<1	0.05	<1	<10	0.69	<2	1	14	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134270**	2	14	<2	<0.2	<0.005	0.18	<2	<10	20	<0.5	<2	20.5	<0.5	<1	<1	0.34	<10	1	0.07	20	1	105	<1	0.05	<1	80	0.12	<2	<1	3810	30	0.01	<10	<10	4	<10
KC11-208	**I134271**	3	75	<2	<0.2	<0.005	0.35	<2	<10	10	<0.5	<2	0.87	<0.5	1	2	1.83	<10	<1	0.04	<10	1.22	540	<1	0.09	<1	<10	0.73	<2	3	18	<20	<0.01	<10	<10	1	<10
KC11-208	**I134272**	49	177	<2	<0.2	<0.005	0.39	15	<10	10	<0.5	2	1.12	<0.5	1	3	1.49	<10	<1	0.02	<10	1.07	783	<1	0.11	<1	10	0.34	<2	3	14	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134273**	38	148	<2	<0.2	<0.005	0.44	12	<10	10	<0.5	<2	1.09	<0.5	1	1	1.87	<10	<1	0.03	<10	1.12	509	<1	0.08	<1	<10	0.52	<2	3	15	<20	<0.01	<10	<10	1	<10
KC11-208	**I134274**	5	46	<2	<0.2	<0.005	0.33	<2	<10	10	<0.5	2	1.32	<0.5	5	3	2.11	<10	<1	0.02	<10	1.17	529	1	0.09	1	60	0.72	<2	5	30	<20	<0.01	<10	<10	12	<10
KC11-208	**I134275AD**	9	51	3	<0.2	<0.005	0.37	3	<10	10	<0.5	<2	1.37	<0.5	5	3	2.15	<10	<1	0.03	<10	1.22	558	2	0.08	5	70	0.76	<2	5	33	<20	<0.01	<10	<10	12	<10
KC11-208	**I134276**	91	74	<2	<0.2	<0.005	0.79	37	<10	10	<0.5	<2	0.79	<0.5	14	38	4.62	<10	<1	0.03	<10	2.4	961	1	0.12	20	280	1.26	<2	12	39	<20	<0.01	<10	<10	69	<10
KC11-208	**I134277**	5	60	<2	<0.2	<0.005	0.67	<2	<10	10	<0.5	<2	0.75	<0.5	10	30	4.09	<10	<1	0.04	<10	2.05	779	2	0.1	8	290	1.58	<2	8	19	<20	<0.01	<10	<10	38	<10
KC11-208	**I134278**	2	51	<2	<0.2	<0.005	0.66	<2	<10	20	<0.5	<2	0.88	<0.5	4	6	2.47	<10	1	0.08	<10	1.58	624	<1	0.08	2	50	0.43	<2	4	17	<20	<0.01	<10	<10	10	<10
KC11-208	**I134279**	2	40	<2	<0.2	<0.005	0.57	<2	<10	40	<0.5	<2	0.75	<0.5	1	1	1.75	<10	<1	0.08	<10	1.03	460	<1	0.04	1	10	0.32	<2	3	10	<20	<0.01	<10	<10	2	<10
KC11-208	**I134280**	1	38	<2	<0.2	<0.005	0.61	2	<10	40	<0.5	<2	0.96	<0.5	2	1	1.55	<10	<1	0.08	<10	1.05	482	<1	0.03	<1	<10	0.23	<2	3	10	<20	<0.01	<10	<10	1	<10
KC11-208	**I134281**	1	28	<2	<0.2	<0.005	0.37	<2	<10	20	<0.5	<2	0.16	<0.5	1	3	1.51	<10	<1	0.06	<10	0.68	317	<1	0.05	<1	10	0.44	<2	3	5	<20	<0.01	<10	<10	2	<10
KC11-208	**I134282**	1	33	<2	<0.2	<0.005	0.41	<2	<10	10	<0.5	<2	0.33	<0.5	2	7	1.99	<10	<1	0.04	<10	0.99	445	<1	0.07	1	40	0.38	<2	6	7	<20	<0.01	<10	<10	7	<10
KC11-208	**I134283D**	1	33	<2	<0.2	<0.005	0.35	<2	<10	10	<0.5	<2	0.34	<0.5	2	7	1.99	<10	1	0.03	<10	1.01	448	<1	0.06	<1	40	0.38	<2	6	7	<20	<0.01	<10	<10	7	<10
KC11-208	**I134284**	56	88	<2	<0.2	<0.005	1.01	16	<10	10	<0.5	<2	1.16	<0.5	18	55	7.01	10	1	0.01	10	3.51	1495	11	0.06	30	1060	0.93	<2	13	26	<20	<0.01	<10	<10	150	<10
KC11-208	**I134285**	4	93	<2	<0.2	<0.005	2.24	6	<10	<10	<0.5	<2	4.8	<0.5	35	171	6.14	10	1	0.02	<10	5.63	2220	<1	0.06	98	1950	0.02	<2	28	75	<20	0.01	<10	<10	219	<10
KC11-208	**I134286**	1	78	2	<0.2	<0.005	3.04	15	10	10	0.5	<2	6.32	<0.5	29	190	6.65	10	<1	0.05	<10	5.23	1910	<1	0.05	81	950	0.02	<2	30	225	<20	0.02	<10	<10	221	<10
KC11-208	**I134287**	<1	71	2	<0.2	<0.005	1.98	10	10	10	<0.5	2	5.82	<0.5	24	198	6.27	10	1	0.04	<10	4.85	1555	<1	0.05	71	450	0.02	<2	31	152	<20	0.02	<10	<10	171	<10
KC11-208	**I134288AD**	<1	70	<2	<0.2	<0.005	2	11	10	10	<0.5	<2	5.77	<0.5	25	198	6.24	10	<1	0.04	<10	4.81	1545	<1	0.05	71	450	0.02	<2	31	151	<20	0.02	<10	<10	170	<10
KC11-208	**I134289**	26	114	<2	<0.2	<0.005	0.98	6	<10	10	<0.5	<2	5.81	<0.5	32	97	5.49	10	<1	0.01	<10	5.29	1725	<1	0.07	62	390	0.02	<2	28	99	<20	0.01	<10	<10	189	<10
KC11-208	**I134290**	246	488	<2	<0.2	<0.005	0.97	51	<10	<10	<0.5	<2	1.86	0.5	23	85	5.69	10	<1	<0.01	<10	3.86	1655	1	0.07	53	590	1.67	<2	25	36	<20	<0.01	<10	<10	187	<10
KC11-208	**I134291**	34	107	<2	<0.2	<0.005	0.55	7	<10	20	<0.5	<2	0.44	<0.5	19	13	5.56	<10	<1	0.05	<10	1.71	797	1	0.06	7	240	3.89	<2	8	14	<20	<0.01	<10	<10	68	<10
KC11-208	**I134292**	20	205	<2	<0.2	<0.005	0.73	3	<10	10	<0.5	<2	0.57	<0.5	6	1	5.86	<10	1	0.03	<10	2.23	1265	2	0.07	<1	1510	2.64	<2	10	25	<20	<0.01	<10	<10	27	<10
KC11-208	**I134293**	161	1115	2	<0.2	<0.005	0.4	50	<10	10	<0.5	<2	0.3	6	1	3	5.39	<10	1	0.03	<10	1.51	991	22	0.07	3	140	3.17	2	6	11	<20	<0.01	<10	<10	10	<10
KC11-208	**I134294**	6350	5110	10,250	101	0.235	1.33	251	<10	100	<0.5	4	0.65	25.2	10	32	5.39	<10	1	0.1	<10	0.77	1655	19	0.08	25	440	2.46	421	4	30	<20	0.09	<10	<10	45	<10
KC11-208	**I134295**	25	102	10	<0.2	<0.005	0.28	<2	<10	10	<0.5	<2	0.27	<0.5	1	3	2.33	<10	<1	0.01	<10	0.81	386	<1	0.1	<1	90	1.1	<2	4	11	<20	<0.01	<10	<10	1	<10
KC11-208	**I134296**	28	148	<2	<0.2	<0.005	0.26	8	<10	<10	<0.5	<2	0.65	<0.5	1	3	4.33	<10	<1	0.02	<10	1.06	653	2	0.08	2	360	3.22	<2	5	20	<20	<0.01	<10	<10	4	<10
KC11-208	**I134297**	2	100	<2	<0.2	<0.005	0.29	<2	<10	<10	<0.5	<2	0.21	<0.5	<1	3	2.27	<10	<1	0.03	<10	0.63	665	<1	0.1	<1	20	0.46	<2	3	7	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134298**	1	105	<2	<0.2	<0.005	0.29	<2	<10	10	<0.5	<2	0.16	<0.5	<1	2	2.59	<10	<1	0.03	<10	0.76	448	<1	0.07	<1	10	0.23	<2	3	7	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134299**	1	81	<2	<0.2	<0.005	0.35	<2	<10	<10	<0.5	<2	0.2	<0.5	<1	2	2.45	<10	1	0.02	10	0.64	350	<1	0.09	<1	10	0.42	<2	3	8	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134300**	2	116	<2	<0.2	<0.005	0.3	<2	<10	<10	<0.5	<2	0.39	<0.5	<1	2	2.74	<10	1	0.02	<10	0.85	542	1	0.07	<1	10	0.87	<2	3	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134301D**	2	115	<2	<0.2	<0.005	0.34	<2	<10	<10	<0.5	<2	0.38	<0.5	<1	4	2.69	<10	<1	0.03	<10	0.83	535	1	0.08	<1	10	0.83	<2	3	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134302**	2	109	<2	<0.2	<0.005	0.22	2	<10	<10	<0.5	<2	0.24	<0.5	<1	3	2.51	<10	<1	0.03	<10	0.61	401	<1	0.06	<1	<10	0.46	<2	2	7	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134303**	3	63	<2	<0.2	<0.005	0.21	<2	<10	<10	<0.5	<2	0.11	<0.5	<1	4	2.45	<10	<1	0.02	<10	0.41	267	<1	0.09	<1	<10	0.88	<2	2	5	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134304**	2	142	<2	<0.2	<0.005	0.29	2	<10	<10	<0.5	<2	0.46	<0.5	<1	1	2.71	<10	<1	0.04	<10	0.95	493	<1	0.06	<1	<10	0.54	<2	3	11	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134305**	3	111	<2	<0.2	<0.005	0.29	<2	<10	<10	<0.5	<2	0.44	<0.5	<1	2	2.69	<10	<1	0.04	<10	0.75	424	<1	0.06	<1	<10	1.1	<2	2	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134306**	2	28	6	<0.2	0.005	0.34	<2	<10	30	0.5	<2	0.41	<0.5	1	3	1.1	<10	<1	0.2	60	0.1	314	<1	0.06	<1	150	0.01	<2	1	18	30	0.02	<10	<10	10	<10
KC11-208	**I134307**	4	56	<2	<0.2	<0.005	0.26	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	4	2.18	<10	<1	0.03	<10	0.5	292	<1	0.08	<1	<10	0.75	<2	2	6	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134308**	3	70	<2	<0.2	<0.005	0.3	3	<10	<10	<0.5	<2	0.45	<0.5	<1	2	2.83	<10	<1	0.02	<10	0.76	534	<1	0.08	<1	<10	1.08	<2	3	10	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134309**	4	94	<2	<0.2	<0.005	0.31	<2	<10	<10	<0.5	<2	0.3	<0.5	<1	3	3.03	<10	<1	0.03	<10	0.82	540	<1	0.07	<1	20	0.79	<2	3	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134310**	7	66	<2	<0.2	<0.005	0.34	3	<10	<10	<0.5	<2	0.22	<0.5	<1	2	2.53	<10	<1	0.05	<10	0.78	382	1	0.07	<1	<10	0.71	<2	2	8	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134311**	2	34	<2	<0.2	<0.005	0.2	<2	<10	<10	<0.5	<2	0.31	<0.5	1	3	2.37	<10	<1	0.02	<10	0.49	238	<1	0.08	<1	10	1.44	<2	3	6	<20	<0.01	<10	<10	1	<10
KC11-208	**I134312**	3	57	<2	<0.2	<0.005	0.22	3	<10	<10	<0.5	<2	0.48	<0.5	<1	3	1.88	<10	<1	0.01	<10	0.47	348	<1	0.08	<1	10	0.88	<2	4	7	<20	<0.01	<10	<10	1	<10
KC11-208	**I134313AD**	3	57	<2	<0.2	<0.005	0.21	4	<10	<10	<0.5	<2	0.48	<0.5	<1	3	1.89	<10	<1	0.01	<10	0.46	348	<1	0.08	<1	10	0.86	<2	4	7	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134314**	23	80	<2	<0.2	<0.005	0.22	11	<10	<10	<0.5	<2	0.32	<0.5	<1	3	1.79	<10	<1	0.01	<10	0.41	237	<1	0.07	<1	10	0.4	<2	5	6	<20	<0.01	<10	<10	1	<10
KC11-208	**I134315**	4	55	<2	<0.2	<0.005	0.31	3	<10	<10	<0.5	<2	0.44	<0.5	<1	5	2.18	<10	<1	0.06	<10	0.57	456	<1	0.08	<1	10	0.69	<2	3	7	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134316**	3	78	<2	<0.2	<0.005	0.3	2	<10	<10	<0.5	<2	0.66	<0.5	<1	2	2.54	<10	<1	0.07	<10	0.99	666	<1	0.05	<1	20	0.32	<2	2	8	<20	<0.01	<10	<10	1	<10
KC11-208	**I134317**	4	60	<2	<0.2	<0.005	0.37	2	<10	<10	<0.5	<2	0.15	<0.5	<1	3	2.23	<10	<1	0.09	<10	0.64	337	<1	0.07	<1	30	0.47	<2	2	6	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134318**	2	31	7	<0.2	<0.005	0.37	<2	<10	40	0.6	<2	0.41	<0.5	1	3	1.33	<10	1	0.23	60	0.1	366	<1	0.07	1	160	0.01	<2	1	17	30	0.02	<10	<10	10	<10
KC11-208	**I134319**	6	84	<2	<0.2	<0.005	0.34	<2	<10	<10	<0.5	<2	0.59	<0.5	<1	2	2.35	<10	<1	0.07	<10	0.87	453	<1	0.06	<1	10	0.31	<2	2	9	<20	<0.01	<10	<10	<1	<10
KC11-208	**I134320**	3	36	<2	<0.2	<0.005	0.21	2	<10	<10	<0.5	<2	0.36	<0.5	<1	3	1.94	<10	<1	0.01	<10	0.54	274	<1	0.08	<1	20	0.3	<2	5	5	<20	<0.01	<10	<10	1	<10
KC11-208	**I134321**	19	20	<2	<0.2	<0.005	0.23	3	<10	<10	<0.5	<2	0.09	<0.5	<1	4	1.81	<10	<1	0.01	<10	0.29	153	<1	0.1	<1	40	0.32	<2	5	5	<20	<0.01	<10	<10	1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-209	**I134322**	577	692	11	0.4	<0.005	0.42	382	<10	40	<0.5	<2	3.97	1.5	35	34	7.84	<10	1	0.01	<10	4.07	3170	12	0.05	27	440	3.81	<2	24	53	<20	<0.01	<10	<10	217	<10
KC11-209	**I134323**	1980	555	11	0.4	<0.005	0.8	612	<10	<10	<0.5	<2	2.53	0.6	32	111	7.83	<10	1	<0.01	<10	4.49	4440	5	0.06	50	660	2.46	<2	27	33	<20	<0.01	<10	<10	239	<10
KC11-209	**I134324**	1110	1220	10	0.4	<0.005	0.57	303	<10	<10	<0.5	<2	2.24	5.9	32	112	9.41	<10	1	0.01	<10	4.5	3240	9	0.07	51	690	0.97	<2	28	32	<20	<0.01	<10	<10	232	<10
KC11-209	**I134325**	445	1295	12	<0.2	<0.005	0.86	114	<10	60	<0.5	<2	3.24	5.1	33	95	8.5	<10	<1	0.02	<10	4.83	3730	9	0.06	47	710	2.5	<2	30	47	<20	<0.01	<10	<10	231	<10
KC11-209	**I134326**	661	1410	18	0.3	<0.005	0.5	65	<10	<10	<0.5	<2	2.32	4.1	31	52	9.07	<10	1	0.01	<10	5.5	3510	2	0.03	44	680	5.9	<2	26	32	<20	<0.01	<10	<10	189	<10
KC11-209	**I134327D**	637	1275	21	<0.2	<0.005	0.49	61	<10	<10	<0.5	<2	2.53	3.2	31	51	9.21	<10	1	0.01	<10	5.64	3560	2	0.03	45	660	6	<2	26	33	<20	0.01	<10	<10	188	<10
KC11-209	**I134328**	447	5320	7	0.2	<0.005	0.81	14	<10	<10	<0.5	<2	3.7	26	28	64	6.75	<10	2	0.01	<10	4.65	3870	<1	0.06	53	830	2.81	<2	27	41	<20	0.01	<10	<10	180	<10
KC11-209	**I134329**	745	733	14	<0.2	<0.005	0.74	31	10	<10	<0.5	<2	1.07	1.1	38	56	8.75	<10	1	0.02	<10	6.57	2830	3	0.03	58	590	4.62	<2	24	28	<20	<0.01	<10	<10	159	<10
KC11-209	**I134330**	14	123	4	<0.2	<0.005	0.39	11	<10	50	<0.5	<2	0.22	<0.5	2	1	1.74	<10	<1	0.16	10	1.48	532	<1	0.03	2	30	0.53	<2	1	9	<20	<0.01	<10	<10	5	<10
KC11-209	**I134331**	37	56	3	<0.2	<0.005	0.3	3	<10	<10	<0.5	<2	0.08	<0.5	4	8	3.81	<10	1	0.06	10	1.39	484	2	0.03	2	20	3.05	<2	1	6	<20	<0.01	<10	<10	4	<10
KC11-209	**I134332**	16	48	3	<0.2	<0.005	0.74	2	<10	10	<0.5	<2	0.03	<0.5	2	2	2.17	10	<1	0.06	10	1.2	395	2	0.04	2	20	1.29	<2	1	6	<20	<0.01	<10	<10	3	<10
KC11-209	**I134333**	56	52	3	<0.2	<0.005	0.91	<2	<10	<10	<0.5	<2	0.03	<0.5	2	8	1.68	10	1	0.05	10	1.19	439	<1	0.03	1	30	0.64	<2	1	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134334D**	53	53	4	<0.2	<0.005	0.89	2	<10	<10	<0.5	<2	0.03	<0.5	1	9	1.61	10	<1	0.04	10	1.19	435	<1	0.03	1	30	0.61	<2	1	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134335**	83	60	3	<0.2	<0.005	1.14	<2	<10	<10	<0.5	<2	0.03	<0.5	2	2	2.84	10	<1	0.02	10	1.42	569	<1	0.06	1	30	1.85	<2	2	3	<20	<0.01	<10	<10	5	<10
KC11-209	**I134336**	9	73	4	<0.2	<0.005	1.07	<2	<10	<10	<0.5	<2	0.06	<0.5	3	9	2.71	10	<1	0.02	<10	1.44	598	1	0.03	2	30	1.76	<2	2	4	<20	<0.01	<10	<10	9	<10
KC11-209	**I134337**	1305	212	17	0.4	0.008	5.04	26	<10	<10	<0.5	<2	0.31	<0.5	35	136	8.6	20	1	<0.01	<10	5.32	2310	7	0.02	49	720	4.42	<2	28	4	<20	0.01	<10	<10	214	<10
KC11-209	**I134338**	10	29	9	<0.2	<0.005	0.28	<2	<10	20	0.6	<2	0.37	<0.5	1	7	1	<10	<1	0.15	60	0.11	303	<1	0.03	1	160	<0.01	<2	1	14	30	0.02	<10	<10	11	<10
KC11-209	**I134339**	21	52	3	<0.2	<0.005	1.18	<2	<10	<10	<0.5	<2	0.04	<0.5	2	3	1.78	10	<1	0.05	10	1.19	553	<1	0.05	1	30	0.65	<2	2	3	<20	<0.01	<10	<10	4	<10
KC11-209	**I134340**	4	50	5	<0.2	<0.005	1.17	<2	<10	<10	<0.5	<2	0.05	<0.5	1	6	1.83	10	<1	0.03	10	1.46	596	<1	0.03	1	20	0.51	<2	2	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134341**	2	53	3	<0.2	<0.005	0.96	3	<10	<10	<0.5	<2	0.08	<0.5	1	5	1.72	10	1	0.03	10	1.47	597	<1	0.04	2	10	0.44	<2	2	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134342**	13	51	3	<0.2	<0.005	0.87	<2	<10	<10	<0.5	<2	0.05	<0.5	1	2	1.52	10	<1	0.03	10	1.32	545	<1	0.04	1	20	0.32	<2	2	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134343D**	13	52	4	<0.2	<0.005	0.9	<2	<10	<10	<0.5	<2	0.05	<0.5	1	2	1.52	10	<1	0.03	10	1.32	546	<1	0.05	1	20	0.31	<2	2	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134344**	3	66	3	<0.2	<0.005	1.11	<2	<10	<10	<0.5	<2	0.05	<0.5	1	7	1.64	10	<1	0.02	10	1.53	615	<1	0.03	2	20	0.35	<2	2	5	<20	<0.01	<10	<10	4	<10
KC11-209	**I134345**	4	72	5	<0.2	<0.005	1.2	<2	<10	<10	<0.5	<2	0.09	<0.5	1	3	1.72	10	1	0.02	10	2.01	844	<1	0.06	2	30	0.32	<2	3	5	<20	<0.01	<10	<10	4	<10
KC11-209	**I134346**	168	202	7	<0.2	<0.005	2.59	<2	<10	<10	<0.5	<2	0.28	<0.5	9	37	3.49	10	1	<0.01	<10	3.43	1470	5	0.03	17	110	1.52	<2	7	8	<20	<0.01	<10	<10	40	<10
KC11-209	**I134347**	19	80	5	<0.2	<0.005	1.37	3	<10	<10	<0.5	<2	0.1	<0.5	7	12	3.26	10	1	0.01	<10	2.04	745	7	0.03	5	30	2.08	<2	3	4	<20	<0.01	<10	<10	15	<10
KC11-209	**I134348**	25	246	9	<0.2	<0.005	4.47	10	<10	<10	0.5	<2	0.16	<0.5	40	139	6.77	20	1	0.02	<10	5.26	1730	3	0.01	66	370	3.96	<2	17	5	<20	0.01	<10	<10	117	<10
KC11-209	**I134349D**	34	258	8	<0.2	<0.005	4.71	9	<10	<10	0.5	<2	0.17	<0.5	39	146	7.02	20	1	0.02	<10	5.59	1835	4	0.02	69	380	3.99	<2	17	6	<20	0.01	<10	<10	124	<10
KC11-209	**I134350**	4	78	5	0.2	<0.005	1.86	3	<10	<10	<0.5	<2	0.07	<0.5	6	23	3.59	10	1	0.01	<10	2.4	788	4	0.03	10	60	2.04	<2	4	4	<20	<0.01	<10	<10	22	<10
KC11-209	**I134351**	4	55	5	<0.2	<0.005	1.51	<2	<10	<10	<0.5	<2	0.04	<0.5	3	4	2.94	10	1	0.06	10	1.78	588	1	0.05	3	30	1.43	<2	2	5	<20	<0.01	<10	<10	6	<10
KC11-209	**I134352**	8	79	<2	<0.2	<0.005	1.75	3	<10	<10	<0.5	3	0.21	<0.5	8	23	3.58	10	<1	0.03	<10	2.4	795	4	0.03	9	340	1.83	<2	7	6	<20	<0.01	<10	<10	22	<10
KC11-209	**I134353**	6	43	<2	<0.2	<0.005	0.84	5	<10	<10	<0.5	3	0.05	<0.5	1	2	1.51	<10	<1	0.05	10	0.91	319	1	0.06	<1	70	0.63	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-209	**I134354**	7	50	<2	<0.2	<0.005	0.95	2	<10	<10	<0.5	3	0.1	<0.5	3	4	2.57	<10	<1	0.06	10	1.48	487	7	0.03	<1	40	1.33	<2	1	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134355**	6	49	<2	<0.2	<0.005	0.97	3	<10	<10	<0.5	2	0.09	<0.5	3	9	2.66	<10	<1	0.06	10	1.49	496	6	0.04	<1	30	1.36	<2	1	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134356**	214	56	2	<0.2	<0.005	0.35	6	<10	<10	<0.5	3	0.08	<0.5	2	1	2.35	<10	<1	0.08	10	1.56	554	2	0.04	<1	20	1.05	<2	1	6	<20	<0.01	<10	<10	3	<10
KC11-209	**I134357**	2	48	<2	<0.2	<0.005	0.28	2	<10	<10	<0.5	2	0.1	<0.5	1	5	1.8	<10	<1	0.07	10	1.34	466	<1	0.04	<1	20	0.49	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134358**	2	64	<2	<0.2	<0.005	0.32	4	<10	10	<0.5	2	0.15	<0.5	2	2	2.06	<10	<1	0.05	10	1.93	522	<1	0.04	<1	30	0.31	<2	2	6	<20	<0.01	<10	<10	3	<10
KC11-209	**I134359**	3	107	<2	<0.2	<0.005	0.25	2	<10	<10	<0.5	2	0.11	<0.5	4	4	3.14	<10	<1	0.06	<10	1.39	449	1	0.04	<1	20	1.61	<2	1	6	<20	<0.01	<10	<10	2	<10
KC11-209	**I134360**	6	40	2	<0.2	<0.005	0.29	3	<10	<10	<0.5	3	0.13	<0.5	4	1	2.64	<10	<1	0.07	<10	1.14	418	<1	0.05	<1	20	1.41	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134361D**	7	42	<2	<0.2	<0.005	0.3	5	<10	<10	<0.5	3	0.14	<0.5	4	2	2.76	<10	<1	0.07	<10	1.14	425	1	0.06	<1	20	1.53	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134362**	3	88	<2	<0.2	<0.005	0.27	5	<10	<10	<0.5	3	0.1	<0.5	3	2	2.12	<10	<1	0.06	<10	1.14	446	<1	0.05	<1	20	0.75	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134363**	2	52	<2	<0.2	<0.005	0.3	3	<10	<10	<0.5	2	0.08	<0.5	2	3	1.92	<10	<1	0.05	10	1.11	508	<1	0.06	<1	30	0.49	<2	2	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134364**	4	57	<2	<0.2	<0.005	0.24	4	<10	<10	<0.5	3	0.1	<0.5	4	4	2.6	<10	<1	0.04	<10	1.42	534	1	0.06	<1	20	1.39	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-209	**I134365**	33	77	<2	<0.2	<0.005	0.29	12	<10	<10	<0.5	4	0.12	<0.5	6	5	5.58	<10	<1	0.06	<10	1.73	604	2	0.05	<1	10	4.77	<2	1	8	<20	<0.01	<10	<10	3	<10
KC11-209	**I134366**	11	44	<2	<0.2	<0.005	0.21	8	<10	<10	<0.5	4	0.15	<0.5	4	5	2.83	<10	<1	0.03	<10	1.05	391	2	0.04	<1	10	2.15	<2	1	9	<20	<0.01	<10	<10	2	<10
KC11-209	**I134367D**	11	44	<2	<0.2	<0.005	0.26	5	<10	<10	<0.5	4	0.17	<0.5	3	5	2.71	<10	<1	0.03	<10	1.08	405	2	0.06	<1	20	1.98	<2	1	10	<20	<0.01	<10	<10	2	<10
KC11-209	**I134368**	7	50	3	<0.2	<0.005	0.23	7	<10	<10	<0.5	3	0.16	<0.5	3	4	2.39	<10	<1	0.04	<10	1.14	523	1	0.05	2	20	1.46	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134369**	6	114	2	<0.2	<0.005	0.42	6	<10	<10	<0.5	2	0.18	<0.5	8	25	4.37	<10	<1	0.06	<10	3.21	1115	3	0.06	18	40	2.74	<2	5	10	<20	<0.01	<10	<10	30	<10
KC11-209	**I134370**	18	141	3	<0.2	<0.005	0.62	12	<10	<10	<0.5	4	0.21	<0.5	13	40	6.16	<10	<1	0.04	<10	3.91	1495	4	0.04	36	120	4.5	<2	9	9	<20	<0.01	<10	<10	47	<10
KC11-209	**I134371**	20	57	3	0.4	<0.005	0.32	18	<10	20	<0.5	4	0.07	<0.5	4	4	2.43	<10	<1	0.11	10	1.31	453	6	0.04	4	40	1.93	<2	1	5	<20	<0.01	<10	<10	6	<10
KC11-209	**I134372**	75	89	<2	<0.2	<0.005	0.5	15	<10	<10	<0.5	3	0.09	<0.5	1	2	2.63	<10	<1	0.06	<10	2.12	634	1	0.04	<1	120	1.92	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134373**	3	27	9	<0.2	<0.005	0.31	3	<10	20	0.5	3	0.38	<0.5	1	5	0.97	<10	<1	0.18	60	0.1	270	1	0.05	<1	160	0.01	<2	1	14	30	0.01	<10	<10	9	<10
KC11-209	**I134374**	42	116	<2	<0.2	<0.005	0.32	4	<10	<10	<0.5	3	0.07	<0.5	3	6	3.14	<10	<1	0.06	<10	1.88	752	2	0.05	3	40	2.12	<2	2	4	<20	<0.01	<10	<10	8	<10
KC11-209	**I134375**	71	57	<2	<0.2	<0.005	0.29	8	<10	<10	<0.5	3	0.07	<0.5	1	3	2.07	<10	<1	0.05	<10	1.49	517	1	0.06	<1	20	1.13	<2	1	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134376**	6	50	<2	<0.2	<0.005	0.33	2	<10	20	<0.5	<2	0.08	<0.5	2	3	2.58	<10	<1	0.07	<10	1.39	507	3	0.06	<1	10	1.23	<2	1	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134377**	10	54	<2	<0.2	<0.005	0.4	3	<10	30	<0.5	2	0.09	<0.5	8	2	4.66	<10	<1	0.1	<10	1.51	621	6	0.05	<1	10	2.86	<2	1	9	<20	<0.01	<10	<10	4	<10
KC11-209	**I134378**	3	52	<2	<0.2	<0.005	0.39	<2	<10	20	<0.5	<2	0.08	<0.5	4	2	3.93	<10	<1	0.08	<10	1.76	650	5	0.06	<1	10	2.14	<2	1	10	<20	<0.01	<10	<10	3	<10
KC11-209	**I134379**	6	53	<2	<0.2	<0.005	0.35	3	<10	10	<0.5	2	0.15	<0.5	4	3	3.32	<10	<1	0.05	<10	1.49	507	3	0.05	<1	10	2.44	<2	1	10	<20	<0.01	<10	<10	3	<10
KC11-209	**I134380D**	5	58	<2	<0.2	<0.005	0.38	3	<10	20	<0.5	2	0.15	<0.5	4	3	3.39	<10	<1	0.06	<10	1.69	571	3	0.05	<1	10	2.35	<2	1	10	<20	<0.01	<10	<10	3	<10
KC11-209	**I134381**	5	42	<2	<0.2	<0.005	0.3	2	<10	<10	<0.5	<2	0.23	<0.5	2	4	2.17	<10	<1	0.02	<10	1.33	521	2	0.08	1	70	1.16	<2	2	8	<20	<0.01	<10	<10	3	<10
KC11-209	**I134382**	2	46	<2	<0.2	<0.005	0.34	<2	<10	10	<0.5	<2	0.12	<0.5	1	3	2.41	<10	<1	0.05	<10	1.31	566	1	0.08	<1	10	1.3	<2	1	5	<20	<0.01	<10	<10	3	<10
KC11-209	**I134383**	2	46	<2	<0.2	<0.005	0.27	<2	<10	20	<0.5	<2	0.23	<0.5	1	4	2.13	<10	<1	0.02	<10	1.38	634	1	0.07	1	10	1.2	<2	2	7	<20	<0.01	<10	<10	3	<10
KC11-209	**I134384**	1	44	<2	<0.2	<0.005	0.24	2	<10	<10	<0.5	<2	0.11	<0.5	1	3	1.93	<10	<1	0.02	<10	0.9	478	1	0.08	<1	10	0.86	<2	2	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134385**	2	45	<2	<0.2	<0.005	0.31	<2	<10	10	<0.5	<2	0.07	<0.5	1	5	1.9	<10	<1	0.03	<10	0.9	449	2	0.08	1	10	0.94	<2	2	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134386**	6010	4750	9700	98	0.28	1.2	238	<10	90	<0.5	12	0.61	23.1	10	28	5.06	<10	1	0.09	<10	0.73	1535	18	0.06	22	410	2.18	386	4	27	<20	0.09	<10	<10	40	<10
KC11-209	**I134387**	9	47	6	0.2	<0.005	0.28	8	<10	10	<0.5	<2	0.13	<0.5	2	4	2.81	<10	<1	0.03	<10	1.15	514	2	0.07	<1	30	1.6	<2	1	7	<20	<0.01	<10	<10	3	<10
KC11-209	**I134388**	3	35	<2	<0.2	<0.005	0.28	2	<10	10	<0.5	<2	0.11	<0.5	1	5	2.14	<10	<1	0.03	<10	1.03	420	1	0.07	1	20	0.89	<2	2	4	<20	<0.01	<10	<10	3	<10
KC11-209	**I134389**	1	40	<2	<0.2	<0.005	0.32	<2	<10	20	<0.5	<2	0.08	<0.5	5	2	2.63	<10	<1	0.09	10	1.05	507	1	0.04	<1	20	0.47	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-209	**I134390**	3	29	<2	<0.2	<0.005	0.25	3	<10	20	<0.5	<2	0.14	<0.5	2	3	2.38	<10	<1	0.08	<10	0.82	378	3	0.06	1	20	0.71	<2	1	6	<20	<0.01	<10	<10	2	<10
KC11-209	**I134391**	6	110	<2	<0.2	<0.005	0.68	8	<10	1180	0.9	<2	3.72	<0.5	10	<1	4.39	<10	<1	0.31	20	2.02	1430	<1	0.07	<1	1990	0.06	<2	7	233	<20	0.01	<10	<10	101	<10
KC11-209	**I134392D**	6	89	2	<0.2	<0.005	0.69	7	<10	1170	0.9	<2	3.72	<0.5	10	1	4.39	<10	<1	0.31	20	2	1425	<1	0.06	<1	1960	0.06	<2	7	221	<20	0.01	<10	<10	101	<10
KC11-209	**I134393**	3	45	<2	0.2	0.006	0.32	3	<10	40	<0.5	<2	0.27	<0.5	1	5	2.77	<10	<1	0.06	<10	0.99	525	4	0.07	<1	70	1.29	<2	2	18	<20	<0.01	<10	<10	8	<10
KC11-209	**I134394**	2	49	<2	<0.2	<0.005	0.35	2	<10	40	<0.5	2	0.17	<0.5	1	3	2.13	<10	<1	0.1	10	1.57	517	2	0.04	<1	20	0.46	<2	1	6	<20	<0.01	<10	<10	3	<10
KC11-209	**I134395**	3	45	<2	<0.2	<0.005	0.38	4	<10	40	<0.5	<2	0.15	<0.5	2	2	2.34	<10	<1	0.13	10	1.31	455	1	0.04	<1	20	0.66	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-209	**I134396**	3	69	<2	<0.2	<0.005	0.37	3	<10	50	<0.5	<2	0.17	<0.5	6	2	3.25	<10	<1	0.1	<10	1.62	599	5	0.03	<1	10	0.92	<2	1	5	<20	<0.01	<10	<10	4	<10
KC11-209	**I134397**	9	49	<2	<0.2	<0.005	0.32	8	<10	20	<0.5	<2	0.39	<0.5	6	2	3.52	<10	<1	0.05	<10	1.51	624	3	0.05	<1	30	1.47	<2	2	6	<20	<0.01	<10	<10	7	<10
KC11-209	**I134398**	30	116	<2	<0.2	<0.005	1.42	6	<10	10	<0.5	<2	2.65	<0.5	35	65	6.42	<10	<1	0.05	<10	5.11	1665	<1	0.03	61	370	0.76	<2	12	26	<20	<0.01	<10	<10	102	<10
KC11-209	**I134399D**	33	124	4	0.3	<0.005	1.49	6	<10	20	<0.5	<2	3.03	<0.5	38	70	7.28	<10	<1	0.05	<10	5.7	1880	<1	0.03	67	420	0.9	<2	13	28	<20	<0.01	<10	<10	111	<10
KC11-209	**I134400**	33	32	<2	<0.2	<0.005	0.35	5	<10	20	<0.5	<2	0.42	<0.5	11	6	3.69	<10	<1	0.05	<10	1.05	433	3	0.07	3	270	2.24	<2	5	11	<20	<0.01	<10	<10	12	<10
KC11-209	**I134401**	1260	1575	22	0.8	<0.005	5.34	6	<10	<10	<0.5	<2	1.95	5.8	41	208	7.41	10	<1	0.01	<10	6.21	3570	<1	0.04	82	520	1.89	<2	11	40	<20	0.06	<10	<10	139	<10
KC11-209	**I134402**	46	591	8	0.2	<0.005	4.49	6	<10	<10	<0.5	<2	3.07	1.3	37	177	6.4	10	<1	0.01	<10	5.44	3430	1	0.03	75	390	1.41	<2	12	60	<20	0.03	<10	<10	118	<10
KC11-209	**I134403**	202	488	8	0.4	<0.005	6.18	2	<10	<10	<0.5	<2	1.75	1.1	56	272	7.56	10	<1	<0.01	<10	7.35	3380	<1	0.03	146	420	1.45	<2	9	38	<20	0.1	<10	<10	131	<10
KC11-209	**I134404**	3	34	10	0.2	<0.005	0.36	<2	<10	40	0.6	<2	0.41	<0.5	1	5	1.18	<10	<1	0.17	70	0.14	333	1	0.05	1	180	0.01	<2	1	15	30	0.02	<10	<10	12	<10
KC11-209	**I134405**	13	129	9	<0.2	<0.005	1.47	2	<10	10	<0.5	<2	2.3	<0.5	<1	2	2.17	10	<1	<0.01	10	1.7	1405	1	0.06	11	120	0.27	<2	6	24	<20	<0.01	<10	<10	1	<10
KC11-209	**I134406**	25	166	<2	<0.2	<0.005	1.39	<2	<10	10	<0.5	<2	1.29	<0.5	<1	2	2.44	10	<1	<0.01	10	1.62	1355	<1	0.06	2	100	0.77	2	6	15	<20	<0.01	<10	<10	1	<10
KC11-209	**I134407**	23	381	<2	<0.2	<0.005	1.6	<2	<10	10	<0.5	<2	0.42	1.3	<1	2	2.7	10	<1	<0.01	10	1.87	1695	<1	0.06	1	110	0.74	<2	6	7	<20	<0.01	<10	<10	1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-210A	**I134408**	7	26	3	<0.2	<0.005	0.19	25	<10	20	<0.5	<2	0.51	<0.5	1	1	2.07	<10	<1	0.05	<10	0.49	443	3	0.05	<1	90	1.32	<2	2	9	<20	<0.01	<10	<10	<1	<10
KC11-210A	**I134409**	7	25	4	<0.2	<0.005	0.32	16	<10	20	<0.5	<2	0.61	<0.5	2	2	2.84	<10	<1	0.05	<10	0.65	395	2	0.05	<1	90	2.2	<2	2	18	<20	<0.01	<10	<10	<1	<10
KC11-210A	**I134410**	6	23	3	<0.2	<0.005	0.32	15	<10	20	<0.5	<2	0.56	<0.5	1	1	2.23	<10	<1	0.07	<10	0.61	337	2	0.04	<1	120	1.68	<2	2	25	<20	<0.01	<10	<10	<1	<10
KC11-210A	**I134411**	9	37	4	<0.2	<0.005	0.28	9	<10	20	<0.5	<2	0.64	<0.5	1	1	2.6	<10	<1	0.07	<10	0.75	381	4	0.05	1	130	1.69	<2	2	23	<20	<0.01	<10	<10	<1	<10
KC11-210A	**I134412**	15	68	6	<0.2	<0.005	0.36	15	<10	20	<0.5	<2	0.54	<0.5	1	13	4.73	<10	<1	0.07	<10	0.8	386	3	0.08	1	100	3.99	<2	1	16	<20	<0.01	<10	<10	1	<10
KC11-210A	**I134413D**	15	71	6	0.2	0.007	0.38	14	<10	20	<0.5	<2	0.59	<0.5	1	13	5.09	<10	<1	0.08	<10	0.82	428	3	0.09	2	90	4.28	<2	2	16	<20	<0.01	<10	<10	1	<10
KC11-210A	**I134414**	8	139	2	<0.2	<0.005	0.27	6	<10	10	<0.5	<2	0.64	<0.5	3	4	3.29	<10	<1	0.06	<10	0.9	469	3	0.06	2	70	2.15	<2	2	14	<20	<0.01	<10	<10	2	<10
KC11-210A	**I134415**	11	57	5	0.2	0.009	0.19	9	<10	20	<0.5	<2	0.59	<0.5	2	41	2.34	<10	<1	0.06	<10	0.37	269	3	0.06	2	60	1.73	<2	2	11	<20	<0.01	<10	<10	1	<10
KC11-210A	**I134416**	12	227	11	0.4	0.006	0.16	9	<10	20	<0.5	<2	0.45	1	2	9	2.42	<10	<1	0.06	<10	0.46	214	4	0.05	2	30	1.92	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-210A	**I134417**	183	1710	7	0.4	0.012	0.24	32	<10	10	<0.5	<2	1.46	8.6	14	22	5.11	<10	<1	0.04	<10	1.84	891	13	0.06	18	100	3.38	2	6	18	<20	<0.01	<10	<10	30	<10
KC11-210A	**I134418**	4	40	<2	<0.2	<0.005	0.25	4	<10	10	<0.5	<2	0.42	<0.5	2	8	1.96	<10	<1	0.02	<10	0.4	448	<1	0.08	2	40	0.92	<2	2	9	<20	<0.01	<10	<10	2	<10
KC11-210A	**I134419**	1	34	<2	<0.2	<0.005	0.23	<2	<10	10	<0.5	<2	0.2	<0.5	1	7	1.91	<10	<1	0.02	<10	0.28	403	<1	0.07	1	10	0.55	<2	2	6	<20	<0.01	<10	<10	1	<10
KC11-210A	**I134420D**	1	35	<2	<0.2	<0.005	0.25	2	<10	10	<0.5	<2	0.22	<0.5	<1	5	1.88	<10	<1	0.02	<10	0.3	422	<1	0.08	1	10	0.57	<2	2	6	<20	<0.01	<10	<10	1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-211	**I135517**	37	32	2	<0.2	<0.005	0.85	7	<10	10	<0.5	<2	6.44	<0.5	31	9	2.73	<10	<1	0.07	<10	0.56	1460	<1	0.06	13	270	1.78	<2	8	70	<20	<0.01	<10	<10	28	<10
KC11-211	**I135518**	38	29	4	<0.2	<0.005	0.93	9	<10	10	<0.5	<2	5.06	<0.5	28	9	2.86	<10	<1	0.06	<10	0.63	1345	1	0.07	11	240	1.96	<2	6	56	<20	<0.01	<10	<10	28	<10
KC11-211	**I135519**	27	36	4	<0.2	<0.005	0.98	10	<10	30	<0.5	<2	6.13	<0.5	32	13	3.42	<10	<1	0.1	<10	0.81	1600	<1	0.07	14	250	2.34	<2	5	69	<20	<0.01	<10	<10	25	<10
KC11-211	**I135520**	35	40	5	<0.2	<0.005	0.54	9	<10	30	<0.5	<2	6.36	<0.5	32	6	3.21	<10	<1	0.08	<10	0.8	2000	<1	0.06	15	280	2.39	<2	4	67	<20	<0.01	<10	<10	14	<10
KC11-211	**I135521D**	33	41	5	<0.2	<0.005	0.58	9	<10	30	<0.5	<2	6.9	<0.5	31	7	3.21	<10	<1	0.09	<10	0.8	1995	<1	0.07	15	280	2.3	<2	5	67	<20	<0.01	<10	<10	14	<10
KC11-211	**I135522**	33	28	11	<0.2	0.007	0.26	8	<10	30	<0.5	<2	10.5	<0.5	28	4	3.7	<10	<1	0.08	<10	0.58	2340	<1	0.06	15	270	3.49	<2	4	107	<20	<0.01	<10	<10	7	<10
KC11-211	**I135523D**	35	28	10	<0.2	0.006	0.27	9	<10	30	<0.5	<2	10.8	<0.5	30	4	3.99	<10	<1	0.08	<10	0.59	2400	1	0.06	15	280	3.79	<2	4	111	<20	<0.01	<10	<10	7	<10
KC11-211	**I135524**	48	45	10	<0.2	<0.005	0.27	9	<10	40	<0.5	<2	5.34	<0.5	24	6	3.01	<10	<1	0.06	<10	0.72	1175	1	0.05	16	210	2.41	<2	4	49	<20	<0.01	<10	<10	8	<10
KC11-211	**I135525**	14,400	29,100	2620	61	0.836	0.69	47	<10	20	<0.5	70	0.87	70.1	116	30	30.1	<10	1	0.07	<10	1.07	539	9	<0.01	7	80	>10.0	14	1	3	<20	0.01	10	<10	10	30
KC11-211	**I135526**	61	117	10	0.3	<0.005	0.33	5	<10	60	<0.5	<2	3.81	<0.5	14	4	2.63	<10	<1	0.07	<10	1.11	548	<1	0.05	11	180	1.3	<2	5	27	<20	<0.01	<10	<10	8	<10
KC11-211	**I135527**	18	116	3	<0.2	<0.005	0.24	3	<10	50	<0.5	<2	1.95	<0.5	3	2	2.38	<10	<1	0.04	<10	1.33	264	<1	0.04	2	170	0.68	<2	5	15	<20	<0.01	<10	<10	5	<10
KC11-211	**I135528**	16	94	2	<0.2	<0.005	0.27	<2	<10	30	<0.5	<2	1.81	<0.5	2	2	2.15	<10	<1	0.04	<10	1.15	196	<1	0.05	2	310	0.69	<2	5	14	<20	<0.01	<10	<10	5	<10
KC11-211	**I135529**	1	4	<2	<0.2	0.005	0.03	3	<10	20	<0.5	<2	>25.0	<0.5	<1	1	0.05	<10	<1	<0.01	<10	1.99	38	<1	<0.01	<1	40	0.05	<2	<1	5180	20	<0.01	<10	10	1	<10
KC11-211	**I135530**	18	97	2	<0.2	<0.005	0.29	4	<10	30	<0.5	<2	1.74	<0.5	3	2	2.3	<10	<1	0.03	<10	1.35	219	3	0.05	3	220	0.62	<2	6	17	<20	<0.01	<10	<10	6	<10
KC11-211	**I135531**	16	112	2	<0.2	<0.005	0.34	4	<10	20	<0.5	<2	1.65	<0.5	2	2	2.54	<10	<1	0.03	<10	1.5	267	3	0.06	2	170	0.56	<2	6	13	<20	<0.01	<10	<10	5	<10
KC11-211	**I135532**	16	97	2	<0.2	<0.005	0.78	3	<10	20	<0.5	<2	1.88	<0.5	2	2	2.4	<10	<1	0.02	<10	1.49	355	2	0.05	2	200	0.66	<2	5	11	<20	<0.01	<10	<10	4	<10
KC11-211	**I135533**	14	107	3	<0.2	<0.005	1.27	5	<10	40	<0.5	<2	1.59	<0.5	2	2	2.43	<10	<1	0.03	<10	1.59	370	2	0.06	2	280	0.49	<2	5	9	<20	<0.01	<10	<10	5	<10
KC11-211	**I135534**	13	121	2	<0.2	<0.005	1.58	2	<10	20	<0.5	<2	1.65	<0.5	2	2	2.57	<10	<1	0.03	<10	1.82	402	1	0.05	2	210	0.31	<2	5	9	<20	<0.01	<10	<10	6	<10
KC11-211	**I135535**	22	181	4	<0.2	<0.005	1.61	4	<10	20	<0.5	<2	1.8	<0.5	2	3	2.83	<10	<1	0.04	<10	1.75	426	<1	0.07	1	350	0.37	<2	5	11	<20	<0.01	<10	<10	7	<10
KC11-211	**I135536**	380	298	6	0.5	0.008	0.9	22	<10	20	<0.5	<2	2.39	0.6	14	3	4.74	<10	<1	0.04	<10	1.59	715	7	0.04	4	230	3.54	<2	4	10	<20	<0.01	<10	<10	6	<10
KC11-211	**I135537**	114	275	7	0.3	0.007	0.83	8	<10	30	<0.5	<2	1.98	<0.5	7	3	3.42	<10	<1	0.05	<10	1.57	521	4	0.07	6	270	1.63	<2	4	11	<20	<0.01	<10	<10	8	<10
KC11-211	**I135538**	135	293	4	0.3	<0.005	1.25	7	<10	30	<0.5	<2	1.38	<0.5	4	3	2.74	<10	<1	0.04	<10	2.07	534	4	0.06	2	260	0.7	<2	5	9	<20	<0.01	<10	<10	8	<10
KC11-211	**I135539**	880	2600	48	4	0.011	0.5	19	<10	30	<0.5	<2	10	13.8	4	3	2.9	<10	1	0.04	<10	6.24	2080	15	0.04	5	820	1.48	<2	5	45	<20	<0.01	<10	<10	13	<10
KC11-211	**I135540**	550	3150	27	2.3	0.021	0.36	20	<10	30	<0.5	<2	11.7	7.7	8	2	4.65	<10	<1	0.04	<10	7.13	1735	21	0.03	1	1390	4.43	<2	4	53	<20	<0.01	<10	10	14	<10
KC11-211	**I135541**	18	260	17	0.2	<0.005	0.09	14	<10	20	<0.5	<2	14.7	0.7	<1	2	1.5	<10	<1	0.02	<10	8.6	2410	1	0.01	<1	380	0.15	<2	4	65	<20	<0.01	<10	<10	8	<10
KC11-211	**I135542**	1	7	<2	<0.2	<0.005	0.03	<2	<10	20	<0.5	<2	>25.0	<0.5	<1	1	0.05	<10	<1	<0.01	<10	1.78	31	<1	<0.01	<1	50	0.1	<2	<1	5220	20	<0.01	<10	10	1	<10
KC11-211	**I135543**	2070	6370	54	7	0.063	0.22	27	<10	30	<0.5	3	9.7	30.9	22	1	7.87	<10	1	0.05	<10	5.93	1615	51	0.03	4	550	9.91	2	3	50	<20	<0.01	<10	<10	12	<10
KC11-211	**I135544**	129	136	2	0.2	<0.005	0.24	<2	<10	40	<0.5	<2	0.63	<0.5	17	2	4.67	<10	<1	0.1	<10	0.72	204	21	0.01	<1	110	4.46	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-211	**I135545**	49	238	3	<0.2	0.005	0.28	8	<10	50	<0.5	<2	0.67	<0.5	11	1	3.04	<10	<1	0.09	<10	1.87	287	19	0.01	<1	130	1.83	<2	2	8	<20	<0.01	<10	<10	2	<10
KC11-211	**I135546**	230	45	4	0.6	0.014	0.18	6	<10	30	<0.5	<2	0.16	<0.5	21	3	9.44	<10	<1	0.08	<10	0.25	77	18	0.01	<1	30	>10.0	2	1	3	<20	<0.01	<10	<10	1	<10
KC11-211	**I135547D**	213	45	5	0.4	0.015	0.15	5	<10	20	<0.5	<2	0.17	<0.5	21	2	9.35	<10	<1	0.07	<10	0.26	69	20	<0.01	<1	30	>10.0	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-211	**I135548**	128	106	5	0.5	0.019	0.19	11	<10	30	<0.5	<2	0.61	1.3	17	3	9.15	<10	<1	0.09	<10	0.29	191	40	0.01	<1	10	>10.0	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-211	**I135549**	14,750	29,800	2730	64	0.91	0.7	45	<10	20	<0.5	62	0.89	73	111	30	29.6	<10	1	0.07	<10	1.1	558	9	<0.01	9	80	>10.0	9	1	3	<20	0.01	10	<10	10	10
KC11-211	**I135550**	129	76	14	0.6	0.019	0.17	18	<10	30	<0.5	2	0.56	<0.5	29	1	8.92	<10	<1	0.09	<10	0.27	127	13	0.01	<1	10	>10.0	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-211	**I135551D**	106	32	8	0.7	0.024	0.19	16	<10	30	<0.5	2	0.56	<0.5	28	2	8.72	<10	<1	0.1	<10	0.27	139	13	0.01	<1	20	>10.0	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-211	**I135552**	84	56	4	0.3	0.016	0.17	4	<10	40	<0.5	<2	1.52	<0.5	14	2	5.93	<10	<1	0.09	<10	0.73	325	12	0.01	<1	100	6.59	<2	2	7	<20	<0.01	<10	<10	1	<10
KC11-211	**I135553**	32	51	2	0.2	0.01	0.19	6	<10	30	<0.5	<2	1.56	<0.5	12	2	4.88	<10	<1	0.09	<10	0.76	286	8	0.01	<1	130	5.03	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-211	**I135554**	19	37	<2	<0.2	0.006	0.17	2	<10	30	<0.5	<2	0.97	<0.5	14	2	4.35	<10	<1	0.09	<10	0.56	170	11	0.01	<1	90	4.46	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-211	**I135555**	14	132	2	<0.2	0.005	0.24	2	<10	30	<0.5	<2	1.05	<0.5	16	2	4.51	<10	<1	0.09	<10	1.14	237	10	0.01	<1	120	3.68	<2	2	6	<20	<0.01	<10	<10	2	<10
KC11-211	**I135556**	13	99	<2	<0.2	0.007	0.26	2	<10	40	<0.5	<2	1.16	<0.5	17	2	4.17	<10	<1	0.1	<10	1.28	252	12	0.02	<1	200	3.22	2	2	6	<20	<0.01	<10	<10	2	<10
KC11-211	**I135557**	14	77	<2	<0.2	<0.005	0.27	6	<10	40	<0.5	<2	1.04	<0.5	15	2	5.27	<10	<1	0.09	<10	1.15	229	6	0.02	<1	120	4.69	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-211	**I135558**	17	98	<2	<0.2	0.006	0.76	3	<10	40	<0.5	<2	0.94	<0.5	8	1	2.95	<10	<1	0.09	<10	1.67	240	6	0.01	<1	130	1.47	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-211	**I135559**	16	72	2	0.2	0.005	0.79	9	<10	40	<0.5	<2	1.36	<0.5	14	2	4.23	<10	<1	0.08	<10	1.82	342	12	0.01	<1	90	3.23	<2	2	9	<20	<0.01	<10	<10	3	<10
KC11-211	**I135560**	10	82	2	0.3	<0.005	1.64	7	<10	30	<0.5	<2	0.42	<0.5	10	1	3.63	<10	<1	0.1	<10	1.89	173	19	0.02	1	190	2.43	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-211	**I135561**	18	105	6	0.5	0.007	1.51	34	<10	30	<0.5	<2	0.83	<0.5	13	2	4.77	<10	<1	0.09	<10	1.91	289	28	0.02	<1	120	3.78	8	2	6	<20	<0.01	<10	<10	3	<10
KC11-211	**I135562**	15	124	4	0.4	0.006	0.49	52	<10	20	<0.5	<2	0.42	<0.5	10	2	4.25	<10	<1	0.09	<10	0.88	152	29	0.02	<1	150	3.91	6	1	4	<20	<0.01	<10	<10	2	<10
KC11-211	**I135563**	8	221	4	0.3	0.005	0.93	15	<10	10	<0.5	<2	1.05	<0.5	9	2	2.88	<10	<1	0.08	<10	1.44	335	18	0.02	1	130	2	<2	2	6	<20	<0.01	<10	<10	2	<10
KC11-211	**I135564**	10	27	2	<0.2	<0.005	0.2	10	<10	10	<0.5	<2	0.28	<0.5	6	2	4.08	<10	<1	0.1	<10	0.21	87	12	0.02	<1	120	4.1	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-211	**I135565D**	11	28	2	<0.2	<0.005	0.21	9	<10	10	<0.5	<2	0.27	<0.5	7	2	4.2	<10	<1	0.1	<10	0.2	75	13	0.02	1	120	4.32	<2	1	2	<20	<0.01	<10	<10	<1	<10
KC11-211	**I135566**	30	34	2	<0.2	0.007	0.27	8	<10	10	<0.5	2	0.3	<0.5	6	3	6.14	<10	<1	0.1	<10	0.3	93	22	0.02	<1	110	6.61	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-211	**I135567**	14,650	30400	2710	62	0.822	0.71	53	<10	<10	<0.5	48	0.91	74.1	117	31	31	10	1	0.08	<10	1.15	562	9	0.01	10	70	>10.0	6	1	3	<20	0.01	10	<10	8	20
KC11-211	**I135568**	10	101	2	0.3	0.01	1.18	19	<10	20	<0.5	<2	0.72	<0.5	26	3	5.14	<10	1	0.05	<10	1.47	209	22	0.03	<1	160	4.65	<2	2	5	<20	<0.01	<10	<10	4	<10
KC11-211	**I135569**	10	72	2	<0.2	<0.005	0.89	8	<10	20	<0.5	<2	0.87	<0.5	14	3	4.37	<10	<1	0.09	<10	1.16	231	20	0.02	<1	60	3.78	<2	1	6	<20	<0.01	<10	<10	2	<10
KC11-211	**I135570D**	6	61	2	<0.2	<0.005	0.82	7	<10	20	<0.5	<2	0.99	<0.5	13	2	4.2	<10	<1	0.08	<10	1.18	252	17	0.02	<1	60	3.7	<2	1	6	<20	<0.01	<10	<10	2	<10
KC11-211	**I135571**	5	37	2	<0.2	<0.005	0.52	8	<10	30	<0.5	<2	0.52	<0.5	11	2	3.4	<10	<1	0.11	<10	0.61	134	22	0.02	<1	240	3.07	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-211	**I135572**	6	24	2	<0.2	<0.005	0.37	3	<10	30	<0.5	<2	1.02	<0.5	13	4	4.01	<10	<1	0.08	<10	0.68	227	9	0.02	<1	80	3.99	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-211	**I135573**	5	43	2	<0.2	<0.005	0.75	4	<10	20	<0.5	<2	0.46	<0.5	10	5	3.39	<10	<1	0.09	<10	0.79	156	3	0.02	<1	120	2.91	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-211	**I135574**	4	31	<2	<0.2	<0.005	0.62	8	<10	<10	<0.5	<2	0.66	<0.5	7	5	2.15	<10	<1	0.08	<10	0.82	193	7	0.02	1	110	1.71	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-211	**I135575**	12	60	<2	<0.2	<0.005	1.44	11	<10	10	<0.5	<2	0.15	<0.5	14	5	2.82	<10	<1	0.08	<10	1.45	141	14	0.02	<1	80	1.8	<2	1	2	<20	<0.01	<10	<10	3	<10
KC11-211	**I135576**	1	<2	<2	0.2	<0.005	0.04	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	0.06	<10	<1	<0.01	<10	1.55	39	<1	0.01	1	40	0.14	<2	<1	5020	30	<0.01	<10	10	<1	<10
KC11-211	**I135577**	13	78	2	<0.2	<0.005	2.97	7	<10	<10	<0.5	<2	0.12	<0.5	15	2	3.51	10	<1	0.03	<10	3.32	249	11	<0.01	<1	180	1.04	<2	4	3	<20	<0.01	<10	<10	7	<10
KC11-211	**I135578**	12	60	2	<0.2	<0.005	4.08	19	<10	<10	<0.5	<2	0.53	<0.5	28	1	5.72	10	<1	<0.01	<10	4.89	458	1	<0.01	<1	370	2.52	<2	8	4	<20	<0.01	<10	<10	10	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-212	**I134448**	64	51	9	0.3	0.019	0.26	8	<10	20	<0.5	<2	6.27	<0.5	41	5	3.74	<10	<1	0.08	<10	0.94	1480	<1	0.06	19	210	3.09	<2	5	73	<20	<0.01	<10	<10	14	<10
KC11-212	**I134449**	35	22	12	0.3	0.02	0.21	7	<10	20	<0.5	<2	8.5	0.6	31	2	3.69	<10	<1	0.07	10	0.56	1870	<1	0.05	16	370	3.77	<2	5	79	<20	<0.01	<10	<10	7	<10
KC11-212	**I134450**	63	47	8	0.2	0.011	0.25	7	<10	30	<0.5	<2	5.19	<0.5	29	4	3.69	<10	<1	0.07	10	0.95	1085	<1	0.06	24	560	3.21	<2	5	43	<20	<0.01	<10	<10	7	<10
KC11-212	**I134451**	30	76	4	<0.2	0.007	0.25	<2	<10	30	<0.5	<2	2.86	<0.5	10	2	2.91	<10	<1	0.08	<10	1.32	602	1	0.05	13	180	1.68	<2	3	23	<20	<0.01	<10	<10	5	<10
KC11-212	**I134452**	26	125	4	<0.2	<0.005	0.31	<2	<10	40	<0.5	<2	2.26	<0.5	2	1	2.73	<10	<1	0.06	<10	1.71	523	<1	0.06	7	160	0.52	<2	4	19	<20	<0.01	<10	<10	9	<10
KC11-212	**I134453D**	24	126	3	0.2	<0.005	0.33	3	<10	40	<0.5	<2	2.24	<0.5	2	1	2.74	<10	<1	0.07	10	1.71	514	<1	0.06	7	160	0.53	<2	4	20	<20	<0.01	<10	<10	9	<10
KC11-212	**I134454**	25	160	4	<0.2	<0.005	0.3	<2	<10	30	<0.5	<2	2.19	<0.5	2	1	2.7	<10	<1	0.05	<10	1.78	391	<1	0.07	6	480	0.82	<2	4	20	<20	<0.01	<10	<10	7	<10
KC11-212	**I134455**	42	244	3	0.2	<0.005	0.29	<2	<10	30	<0.5	<2	2.63	<0.5	2	1	2.9	<10	<1	0.05	<10	1.92	393	<1	0.07	4	130	1.67	<2	5	21	<20	<0.01	<10	<10	7	<10
KC11-212	**I134456**	61	521	5	<0.2	<0.005	0.21	<2	<10	20	<0.5	<2	6.46	2.2	2	1	2.65	<10	<1	0.06	<10	3.51	1310	<1	0.04	5	190	1.99	<2	9	45	<20	<0.01	<10	<10	8	<10
KC11-212	**I134457**	11,150	29,100	48	9.5	0.095	0.03	72	<10	<10	<0.5	<2	4.82	164	37	<1	24.7	<10	6	0.01	<10	2.56	1430	22	0.02	5	110	>10.0	<2	2	23	<20	<0.01	<10	<10	5	30
KC11-212	**I134458**	24,700	9560	8270	82.6	1.29	1.67	466	10	40	<0.5	6	2.04	56.2	28	78	6.03	10	2	0.37	10	1.42	781	1300	0.11	246	1250	4.36	71	7	208	<20	0.11	<10	<10	77	20
KC11-212	**I134459**	18,500	25,200	299	64.6	0.199	0.09	410	<10	<10	<0.5	<2	1.48	177	77	<1	25.3	<10	7	<0.01	<10	0.81	560	23	0.02	5	60	>10.0	7	1	10	<20	<0.01	<10	10	11	<10
KC11-212	**I134460**	9310	24,200	65	21.2	0.131	0.14	97	<10	10	<0.5	<2	2.4	160	69	<1	24.8	<10	5	<0.01	<10	1.31	795	11	0.03	<1	50	>10.0	<2	1	11	<20	<0.01	<10	<10	11	<10
KC11-212	**I134461**	3320	20,600	273	5.1	0.186	0.05	139	<10	<10	<0.5	32	3.96	134.5	158	<1	27.4	<10	5	0.01	<10	2.07	2390	9	0.03	<1	130	>10.0	<2	1	19	<20	<0.01	<10	10	3	10
KC11-212	**I134462**	332	961	2	0.3	0.007	0.04	2	<10	10	<0.5	<2	>25.0	5.1	3	<1	0.52	<10	1	<0.01	<10	2.01	57	2	0.01	<1	50	0.98	<2	<1	6020	20	<0.01	<10	<10	2	<10
KC11-212	**I134463**	3040	16,500	116	4	0.153	0.09	76	<10	<10	<0.5	33	5.05	99.1	193	<1	26.6	<10	5	0.01	<10	2.58	1965	15	0.04	<1	400	>10.0	<2	2	25	<20	<0.01	<10	10	3	20
KC11-212	**I134464**	45	373	5	<0.2	<0.005	0.28	<2	<10	20	<0.5	<2	2.71	0.9	6	1	2.27	<10	<1	0.07	<10	1.55	511	3	0.07	5	210	1.81	<2	4	25	<20	<0.01	<10	<10	3	<10
KC11-212	**I134465**	53	236	3	<0.2	<0.005	0.28	<2	<10	20	<0.5	<2	2.39	0.5	3	1	2.14	<10	<1	0.06	<10	1.44	568	<1	0.07	5	300	1.41	<2	3	17	<20	<0.01	<10	<10	3	<10
KC11-212	**I134466**	45	270	2	0.2	0.016	0.18	25	<10	20	<0.5	2	0.16	1.4	39	3	8.69	<10	<1	0.07	<10	0.07	60	41	0.03	<1	80	>10.0	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-212	**I134467**	1165	3460	6	0.7	0.015	0.16	28	<10	10	<0.5	3	0.08	14.5	22	4	7.69	<10	1	0.05	<10	0.1	42	53	0.04	<1	110	9.54	<2	<1	4	<20	<0.01	<10	<10	1	<10
KC11-212	**I134468D**	1215	3230	5	0.9	0.015	0.15	34	<10	10	<0.5	2	0.08	13.3	22	4	7.94	<10	<1	0.05	<10	0.11	44	56	0.03	<1	100	9.87	<2	<1	3	<20	<0.01	<10	<10	1	<10
KC11-212	**I134469**	1760	2070	7	1	0.02	0.13	53	<10	10	<0.5	4	0.29	10.7	27	5	6.84	<10	<1	0.03	<10	0.38	139	54	0.03	<1	50	8.38	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-212	**I134470**	636	86	3	0.6	0.01	0.14	31	<10	10	<0.5	3	0.58	<0.5	23	4	6.37	<10	<1	0.05	<10	0.31	263	26	0.03	<1	40	7.67	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-212	**I134471**	84	56	5	0.3	0.006	0.15	7	<10	20	<0.5	<2	0.62	<0.5	24	3	6.45	<10	<1	0.07	<10	0.31	272	52	0.03	<1	200	7.87	<2	1	6	<20	<0.01	<10	<10	<1	<10
KC11-212	**I134472**	436	105	2	0.9	0.008	0.22	5	<10	20	<0.5	2	0.38	<0.5	27	2	7.98	<10	<1	0.08	<10	0.68	232	30	0.04	<1	100	9.91	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-212	**I134473**	4	4	<2	<0.2	<0.005	0.26	4	<10	10	<0.5	<2	>25.0	<0.5	1	1	0.21	<10	<1	<0.01	10	1.86	35	<1	0.04	1	90	0.12	<2	1	4500	20	0.04	<10	<10	7	<10
KC11-212	**I134474**	2960	182	4	2.1	0.012	0.3	9	<10	30	<0.5	2	0.18	0.6	7	1	5.39	<10	<1	0.09	<10	0.63	93	7	0.05	<1	230	6.05	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-212	**I134475**	146	500	7	0.3	0.007	0.17	6	<10	20	<0.5	2	0.1	4.6	10	2	3.61	<10	<1	0.07	<10	0.03	18	5	0.03	<1	110	4.08	<2	<1	11	<20	<0.01	<10	<10	<1	<10
KC11-212	**I134476**	46	76	4	0.3	0.013	0.37	9	<10	30	<0.5	3	1.86	0.5	17	2	6.17	<10	<1	0.14	<10	0.29	215	11	0.05	<1	6180	7.73	<2	1	13	<20	<0.01	<10	<10	1	<10
KC11-212	**I134477**	26	383	3	0.3	0.005	0.25	6	<10	40	<0.5	<2	0.4	1.5	14	1	3.84	<10	<1	0.1	<10	0.85	170	11	0.03	<1	520	3.82	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-212	**I134478D**	30	417	10	0.2	0.006	0.25	3	<10	10	<0.5	<2	0.37	2	13	1	3.81	<10	1	0.1	<10	0.8	164	8	0.03	5	460	3.74	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-212	**I134479**	15	63	8	0.2	<0.005	0.2	3	<10	<10	<0.5	<2	0.18	<0.5	19	2	4.73	<10	1	0.09	<10	0.4	105	21	0.02	1	70	5.02	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-212	**I134480**	16	69	7	0.4	0.016	0.28	8	<10	<10	<0.5	<2	0.22	<0.5	25	2	5.19	<10	<1	0.08	<10	0.99	166	21	0.03	<1	90	5.46	<2	1	3	<20	<0.01	<10	<10	2	<10
KC11-212	**I134481**	7	34	3	<0.2	<0.005	1.01	3	<10	10	<0.5	<2	0.34	<0.5	4	2	1.7	<10	1	0.07	<10	1.08	188	9	0.01	<1	150	0.8	<2	1	3	<20	<0.01	<10	<10	2	<10
KC11-212	**I134482**	994	32	4	0.9	<0.005	0.91	7	<10	10	<0.5	<2	1.06	<0.5	5	2	2.21	<10	<1	0.08	<10	1.31	416	12	0.02	1	140	1.38	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-212	**I134483**	7	32	3	0.2	<0.005	0.94	2	<10	30	<0.5	<2	0.34	<0.5	6	2	1.81	<10	1	0.08	<10	1.02	190	13	0.02	<1	110	0.99	<2	1	4	<20	<0.01	<10	<10	2	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-213	**I134484**	109	43	8	0.3	0.007	0.26	15	<10	90	<0.5	<2	14.3	0.6	37	2	3.47	<10	1	0.08	<10	0.48	1685	114	0.04	13	420	3.21	13	6	248	<20	<0.01	<10	<10	26	<10
KC11-213	**I134485**	34	43	7	0.3	0.011	0.24	15	<10	20	<0.5	<2	10.4	1.2	49	3	3.74	<10	<1	0.08	<10	0.7	2330	1	0.05	18	320	3.06	<2	6	136	<20	<0.01	<10	<10	16	<10
KC11-213	**I134486**	44	35	12	0.6	0.01	0.2	12	<10	20	<0.5	<2	14.5	1	28	2	2.56	<10	<1	0.06	<10	0.65	2010	38	0.04	12	390	1.8	<2	6	221	<20	<0.01	<10	<10	10	<10
KC11-213	**I134487**	48	60	4	0.2	0.016	0.24	10	<10	20	<0.5	<2	4.19	1.1	49	2	4.94	<10	<1	0.06	<10	0.98	1065	12	0.06	21	190	4.25	<2	5	42	<20	<0.01	<10	<10	9	<10
KC11-213	**I134488D**	54	62	5	0.3	0.016	0.22	11	<10	20	<0.5	<2	4.2	1.3	48	2	5.14	<10	<1	0.06	<10	0.99	1065	15	0.05	21	200	4.39	<2	5	41	<20	<0.01	<10	<10	8	<10
KC11-213	**I134489**	44	47	6	0.3	0.008	0.25	14	<10	20	<0.5	<2	6.18	1.3	43	2	4.05	<10	<1	0.07	<10	1.13	1020	<1	0.06	24	430	3.22	<2	4	56	<20	<0.01	<10	<10	4	<10
KC11-213	**I134490**	36	221	4	<0.2	0.006	0.29	5	<10	40	<0.5	<2	2.35	1.1	11	1	3.38	<10	<1	0.09	<10	1.81	549	<1	0.04	9	240	1.5	<2	3	21	<20	<0.01	<10	<10	6	<10
KC11-213	**I134491**	21	241	<2	<0.2	<0.005	0.33	<2	<10	30	<0.5	<2	1.11	0.8	4	1	3	<10	<1	0.05	<10	1.84	255	<1	0.07	3	220	0.79	<2	4	20	<20	<0.01	<10	<10	8	<10
KC11-213	**I134492**	14	132	<2	<0.2	<0.005	0.28	<2	<10	10	<0.5	<2	1.43	0.7	4	1	2.41	<10	<1	0.03	<10	1.62	261	<1	0.07	2	160	0.72	<2	4	14	<20	<0.01	<10	<10	6	<10
KC11-213	**I134493**	18	192	<2	<0.2	<0.005	0.4	2	<10	10	<0.5	<2	0.46	0.7	4	1	2.35	<10	<1	0.03	<10	2.1	207	2	0.09	2	180	0.92	<2	5	12	<20	<0.01	<10	<10	12	<10
KC11-213	**I134494**	662	178	2	0.2	0.005	0.25	16	<10	10	<0.5	<2	0.88	1.5	9	3	3.73	<10	<1	0.03	<10	1.21	250	43	0.07	16	400	3.51	<2	3	13	<20	<0.01	<10	<10	11	<10
KC11-213	**I134495D**	617	188	2	0.2	0.005	0.28	16	<10	10	<0.5	<2	0.93	1.5	9	2	3.54	<10	<1	0.03	<10	1.22	261	43	0.08	18	360	3.31	<2	3	14	<20	<0.01	<10	<10	11	<10
KC11-213	**I134496**	363	262	4	0.2	0.005	0.29	7	<10	10	<0.5	<2	2.18	2.2	7	1	3.44	<10	<1	0.04	<10	1.16	446	60	0.11	115	260	3.67	<2	3	18	<20	<0.01	<10	<10	11	<10
KC11-213	**I134497**	13,000	511	14	2.8	0.016	0.26	8	<10	10	<0.5	9	6.01	4.2	9	2	3.41	<10	<1	0.03	<10	3.4	1195	72	0.09	91	410	3.58	<2	8	31	<20	<0.01	<10	<10	17	<10
KC11-213	**I134498**	8190	306	11	4.6	0.028	0.24	8	<10	10	<0.5	8	5.08	3.3	2	1	2.05	<10	<1	0.03	<10	2.87	947	11	0.09	7	60	1.98	<2	7	27	<20	<0.01	<10	<10	5	<10
KC11-213	**I134499**	18,800	45,400	946	60.5	0.551	0.73	157	<10	20	<0.5	20	1.67	227	7	13	12.05	10	3	0.07	<10	1.73	627	30	0.03	17	400	>10.0	51	2	38	<20	<0.01	<10	<10	3	<10
KC11-213	**I134500**	5400	133	21	1.6	0.005	0.34	4	<10	10	<0.5	<2	4.56	0.8	1	1	2.27	<10	<1	0.04	<10	2.56	869	12	0.1	17	90	2.34	<2	7	26	<20	<0.01	<10	<10	13	<10
KC11-213	**I135501**	9,670	4570	413	6.3	0.041	0.07	56	<10	10	<0.5	3	16.5	29.9	22	3	5.51	<10	1	0.01	<10	9.76	3680	220	0.03	63	340	7.03	3	3	71	<20	<0.01	<10	<10	59	10
KC11-213	**I135502**	11,400	20,200	630	22.7	0.168	0.06	265	<10	<10	<0.5	18	4.5	111	68	<1	24.4	<10	6	0.01	<10	3.1	1675	16	0.02	16	150	>10.0	10	<1	16	<20	<0.01	<10	<10	15	<10
KC11-213	**I135503**	5870	16,800	159	3.4	0.098	0.14	136	<10	<10	<0.5	29	1.04	125	199	<1	24	<10	4	<0.01	<10	1.02	332	11	0.02	6	300	>10.0	2	1	7	<20	<0.01	<10	<10	9	<10
KC11-213	**I135504**	14,400	8750	191	5.1	0.084	0.22	257	<10	<10	<0.5	55	0.46	97.9	399	<1	24.7	<10	4	<0.01	<10	1.6	210	4	0.01	<1	330	>10.0	7	1	6	<20	<0.01	<10	<10	4	10
KC11-213	**I135505**	13,950	9180	103	3.7	0.034	0.15	86	<10	10	<0.5	29	5.87	65.2	21	<1	20.1	<10	3	0.02	<10	3.94	2090	35	0.05	<1	150	>10.0	2	3	26	<20	<0.01	<10	<10	<1	10
KC11-213	**I135506**	19,300	23,100	1485	110	2.03	1.19	40	<10	10	<0.5	137	0.32	65.3	158	24	27.2	10	<1	0.05	<10	1.47	379	6	0.01	12	90	>10.0	6	2	1	<20	0.01	<10	<10	1	<10
KC11-213	**I135507**	280	670	49	0.6	0.009	0.5	45	<10	50	<0.5	2	1.17	2.8	4	1	5.01	<10	<1	0.08	<10	2.32	489	18	0.09	4	230	6.01	2	4	17	<20	<0.01	<10	<10	10	<10
KC11-213	**I135508**	243	1155	35	1.1	0.01	0.42	44	<10	20	<0.5	<2	1.57	6.5	6	1	5.65	<10	1	0.05	<10	2.53	637	12	0.1	4	140	6.54	3	4	25	<20	<0.01	<10	<10	5	<10
KC11-213	**I135509**	90	912	<2	0.2	0.007	0.22	5	<10	20	<0.5	<2	0.78	7.3	59	2	9.62	<10	<1	0.08	<10	0.93	350	26	0.04	7	160	>10.0	<2	1	7	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135510**	39	349	<2	0.3	0.005	0.49	5	<10	30	<0.5	<2	0.58	2.2	26	2	5.5	<10	<1	0.07	<10	1.46	345	19	0.03	<1	130	6.27	<2	1	6	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135511**	1205	3380	57	6.2	0.044	0.31	38	<10	20	<0.5	<2	0.18	22.8	39	<1	16.9	<10	1	0.06	<10	0.53	109	12	0.06	<1	110	>10.0	3	1	4	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135512**	6	10	2	4.9	<0.005	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	0.07	<10	<1	<0.01	<10	1.95	28	<1	0.02	<1	50	0.11	<2	<1	4900	20	<0.01	<10	<10	<1	<10
KC11-213	**I135513**	524	1065	106	1.9	0.018	0.74	21	<10	20	<0.5	<2	0.34	8	16	<1	16.3	<10	<1	0.06	<10	1.36	244	14	0.04	<1	190	>10.0	2	1	8	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135514**	612	2090	4	1.4	0.018	0.31	18	<10	30	<0.5	<2	1.02	15	9	<1	6.31	<10	1	0.1	<10	1.62	530	15	0.04	3	110	7.3	<2	2	22	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135515**	23	133	<2	<0.2	<0.005	0.77	3	<10	40	<0.5	<2	0.26	0.9	6	1	3.48	<10	<1	0.11	<10	1.17	210	11	0.03	<1	70	3.07	<2	1	4	<20	<0.01	<10	<10	<1	<10
KC11-213	**I135516**	6	77	<2	<0.2	<0.005	1.04	<2	<10	30	<0.5	<2	0.1	0.7	9	1	2.69	<10	<1	0.11	<10	1.11	157	15	0.03	<1	140	2.14	<2	1	4	<20	<0.01	<10	<10	1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-214	**I135579**	42	41	3	<0.2	<0.005	0.31	8	<10	<10	<0.5	<2	11.8	<0.5	26	5	2.17	<10	<1	0.07	<10	0.57	2430	1	0.04	12	400	0.68	<2	9	165	<20	<0.01	<10	<10	23	<10
KC11-214	**I135580**	26	26	6	<0.2	<0.005	0.27	9	<10	<10	<0.5	<2	10.9	<0.5	18	3	2.22	<10	<1	0.07	<10	0.45	1770	10	0.05	8	530	1.72	<2	5	155	<20	<0.01	<10	<10	12	<10
KC11-214	**I135581**	52	59	7	<0.2	0.006	0.34	14	<10	10	<0.5	<2	6.7	<0.5	51	6	4.04	<10	<1	0.08	<10	0.74	1720	1	0.05	19	240	3.36	<2	5	85	<20	<0.01	<10	<10	17	<10
KC11-214	**I135582D**	45	57	7	0.2	0.006	0.33	11	<10	10	<0.5	<2	6.5	<0.5	47	5	3.76	<10	<1	0.08	<10	0.72	1660	1	0.05	18	240	3.08	<2	4	82	<20	<0.01	<10	<10	17	<10
KC11-214	**I135583**	36	49	7	0.2	<0.005	0.22	13	<10	20	<0.5	<2	7.6	<0.5	35	3	3.52	<10	<1	0.07	<10	0.66	2200	<1	0.05	15	260	3.19	<2	4	78	<20	<0.01	<10	<10	9	<10
KC11-214	**I135584**	14,950	31,100	2800	65	0.789	0.73	49	<10	<10	<0.5	46	0.94	76	119	31	32	10	1	0.08	<10	1.18	581	10	0.02	9	70	>10.0	7	1	3	<20	0.01	<10	<10	8	10
KC11-214	**I135585**	44	47	10	0.5	0.01	0.23	11	<10	30	<0.5	<2	7.71	<0.5	24	3	4.76	<10	<1	0.07	<10	0.96	1485	1	0.07	18	220	4.49	<2	4	79	<20	<0.01	<10	<10	5	<10
KC11-214	**I135586**	29	148	5	<0.2	<0.005	1.04	5	<10	20	<0.5	<2	2.79	<0.5	3	2	3.25	<10	<1	0.07	<10	1.85	474	3	0.05	7	170	1.25	<2	5	21	<20	<0.01	<10	<10	9	<10
KC11-214	**I135587**	19	140	3	<0.2	0.005	1.34	4	<10	10	<0.5	<2	1.19	<0.5	2	2	2.62	<10	<1	0.04	<10	1.52	239	1	0.08	4	260	0.65	<2	4	12	<20	<0.01	<10	<10	9	<10
KC11-214	**I135588**	16	100	2	<0.2	<0.005	1.16	3	<10	<10	<0.5	<2	1.28	<0.5	2	1	2.28	<10	<1	0.03	<10	1.5	246	1	0.06	3	180	0.67	<2	4	10	<20	<0.01	<10	<10	6	<10
KC11-214	**I135589**	1	5	<2	<0.2	<0.005	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	0.07	<10	<1	<0.01	<10	1.5	54	<1	0.01	<1	50	0.11	<2	<1	5730	30	<0.01	<10	10	<1	<10
KC11-214	**I135590**	21	100	2	<0.2	<0.005	0.87	2	<10	<10	<0.5	<2	2.47	<0.5	1	1	2.51	<10	<1	0.02	<10	1.95	387	<1	0.06	2	350	0.65	<2	5	16	<20	<0.01	<10	<10	8	<10
KC11-214	**I135591**	62	157	4	<0.2	<0.005	0.36	10	<10	<10	<0.5	<2	1.2	<0.5	2	1	2.34	<10	<1	0.03	<10	1.54	234	1	0.06	9	160	1.22	<2	4	10	<20	<0.01	<10	<10	7	<10
KC11-214	**I135592**	19	211	2	<0.2	<0.005	0.38	3	<10	10	<0.5	<2	1.76	<0.5	2	1	2.27	<10	<1	0.04	<10	1.88	330	1	0.09	4	330	1.11	<2	4	16	<20	<0.01	<10	<10	6	<10
KC11-214	**I135593D**	20	208	3	<0.2	<0.005	0.36	4	<10	10	<0.5	<2	1.73	<0.5	2	1	2.12	<10	<1	0.04	<10	1.86	311	1	0.08	5	410	1.09	<2	4	15	<20	<0.01	<10	<10	6	<10
KC11-214	**I135594**	86	167	3	<0.2	<0.005	0.32	3	<10	<10	<0.5	<2	1.95	<0.5	2	2	2.46	<10	<1	0.03	<10	2.07	416	<1	0.07	4	190	0.59	<2	4	14	<20	<0.01	<10	<10	5	<10
KC11-214	**I135595**	19	109	<2	<0.2	0.005	0.56	2	<10	<10	<0.5	<2	1.51	<0.5	2	1	2.29	<10	<1	0.03	<10	1.45	421	<1	0.06	2	250	0.44	<2	4	9	<20	<0.01	<10	<10	4	<10
KC11-214	**I135596**	23	137	5	<0.2	<0.005	1.32	<2	<10	20	<0.5	<2	1.4	<0.5	2	1	2.55	<10	<1	0.04	<10	1.62	615	1	0.09	7	200	0.55	<2	4	7	<20	<0.01	<10	<10	4	<10
KC11-214	**I135597**	28	206	3	<0.2	<0.005	1.59	<2	<10	10	<0.5	<2	0.84	<0.5	2	1	2.43	<10	<1	0.03	<10	1.83	517	<1	0.08	4	220	0.55	<2	4	6	<20	<0.01	<10	<10	5	<10
KC11-214	**I135598**	112	2220	2	<0.2	0.008	0.34	9	<10	20	<0.5	<2	0.2	16.3	69	2	8.95	<10	1	0.07	<10	0.33	119	18	0.04	<1	130	>10.0	2	1	3	<20	<0.01	<10	<10	1	<10
KC11-214	**I135599**	14,550	29,900	2780	62	0.923	0.73	48	<10	10	<0.5	57	0.89	76.7	121	32	32.8	<10	1	0.08	<10	1.17	574	10	0.02	8	80	>10.0	7	1	2	<20	0.01	10	<10	9	10
KC11-214	**I135600**	172	1060	3	0.3	0.011	0.27	6	<10	20	<0.5	<2	0.33	11.6	75	2	8.86	<10	<1	0.08	<10	0.3	162	20	0.03	<1	100	>10.0	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-214	**I135601**	58	173	11	0.2	0.009	0.72	4	<10	30	<0.5	<2	0.48	<0.5	15	4	5.82	<10	<1	0.07	<10	0.85	254	9	0.04	<1	230	6.18	<2	1	5	<20	<0.01	<10	<10	5	<10
KC11-214	**I135602**	45	535	5	0.5	0.015	0.5	9	<10	30	<0.5	2	1.15	4.3	15	2	6.07	<10	<1	0.09	<10	0.93	444	20	0.04	<1	170	6.64	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-214	**I135603**	330	5090	5	1	0.01	0.37	11	<10	20	<0.5	<2	0.56	38.1	14	3	4.44	<10	1	0.09	<10	0.45	241	24	0.03	1	180	4.43	2	1	3	<20	<0.01	<10	<10	1	<10
KC11-214	**I135604**	98	1015	2	0.4	0.007	0.25	4	<10	30	<0.5	<2	1.08	9.9	23	3	5.36	<10	<1	0.09	<10	0.63	388	15	0.03	<1	90	5.49	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-214	**I135605D**	133	1230	2	0.3	0.007	0.28	4	<10	30	<0.5	<2	1.24	11.9	26	3	5.78	<10	<1	0.1	<10	0.71	470	15	0.04	<1	90	6.14	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-214	**I135606**	29	254	2	<0.2	<0.005	1.02	<2	<10	40	<0.5	<2	1.07	<0.5	5	1	1.86	<10	<1	0.1	<10	1.6	429	10	0.03	<1	130	0.63	<2	2	7	<20	<0.01	<10	<10	1	<10
KC11-214	**I135607**	13	112	<2	<0.2	<0.005	0.69	2	<10	40	<0.5	<2	0.35	<0.5	14	3	3.71	<10	<1	0.12	<10	0.94	192	16	0.03	<1	110	2.92	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-214	**I135608**	8	73	2	<0.2	<0.005	0.25	<2	<10	40	<0.5	<2	0.59	<0.5	7	3	2.76	<10	<1	0.11	<10	0.82	235	9	0.03	<1	100	2.27	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-214	**I135609**	27	175	<2	<0.2	<0.005	0.37	3	<10	40	<0.5	<2	0.65	<0.5	7	2	2.83	<10	<1	0.13	<10	1.36	261	8	0.04	<1	130	1.52	<2	2	4	<20	<0.01	<10	<10	2	<10
KC11-214	**I135610D**	15	173	<2	<0.2	<0.005	0.32	<2	<10	40	<0.5	<2	0.5	<0.5	3	2	1.68	<10	<1	0.11	<10	1.26	211	5	0.04	<1	150	0.42	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-214	**I135611**	6	150	<2	<0.2	<0.005	0.32	<2	<10	30	<0.5	<2	0.49	<0.5	3	2	1.44	<10	<1	0.11	<10	1.18	201	4	0.03	1	100	0.19	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-214	**I135612**	4	108	<2	<0.2	<0.005	0.29	3	<10	40	<0.5	<2	0.3	<0.5	7	2	2.53	<10	<1	0.11	<10	0.91	125	7	0.03	1	140	1.73	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-214	**I135613**	4	102	<2	<0.2	<0.005	0.56	<2	<10	60	<0.5	<2	0.23	<0.5	4	2	1.6	<10	<1	0.11	<10	1.25	138	10	0.03	1	120	0.42	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-214	**I135614**	3	83	<2	<0.2	<0.005	1.02	<2	<10	40	<0.5	<2	0.66	<0.5	4	1	1.6	<10	<1	0.1	<10	1.59	246	7	0.03	1	160	0.4	<2	2	4	<20	<0.01	<10	<10	1	<10
KC11-214	**I135615**	8	161	2	<0.2	0.008	1.45	4	<10	30	<0.5	<2	1.07	<0.5	6	2	2.31	<10	1	0.08	<10	2.41	360	6	0.03	1	100	0.5	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-214	**I135616**	15	144	<2	<0.2	<0.005	0.74	<2	<10	30	<0.5	<2	2.45	<0.5	4	1	2.29	<10	<1	0.07	<10	3.16	615	4	0.05	<1	90	0.24	<2	3	11	<20	<0.01	<10	<10	3	<10
KC11-214	**I135617**	<1	<2	<2	<0.2	0.01	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	0.08	<10	<1	0.01	<10	2.42	40	<1	0.03	<1	70	0.07	<2	<1	5370	20	<0.01	<10	<10	<1	<10
KC11-214	**I135618**	71	65	2	0.2	0.007	0.27	10	<10	20	<0.5	<2	2.46	<0.5	9	1	5.24	<10	<1	0.09	<10	1.67	505	9	0.05	<1	120	4.94	<2	2	12	<20	<0.01	<10	<10	1	<10
KC11-214	**I135619**	144	13	3	0.5	0.015	0.18	15	<10	20	<0.5	<2	2.41	<0.5	7	2	4.36	<10	<1	0.08	<10	1.3	431	11	0.03	<1	210	4.64	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-214	**I135620**	61	41	5	0.4	0.014	0.29	19	<10	30	<0.5	<2	0.9	<0.5	11	2	6.15	<10	<1	0.11	<10	0.83	212	20	0.04	<1	100	6.53	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-214	**I135621**	79	32	5	0.8	0.015	0.45	19	<10	30	<0.5	2	0.38	<0.5	9	1	3.65	<10	<1	0.11	<10	0.56	116	28	0.03	1	30	3.44	<2	1	2	<20	<0.01	<10	<10	1	<10
KC11-214	**I135622**	26	91	<2	<0.2	<0.005	1.58	5	<10	30	<0.5	<2	1.53	<0.5	8	2	2.67	<10	<1	0.09	<10	2.38	504	16	0.04	<1	130	1.1	<2	2	7	<20	<0.01	<10	<10	2	<10
KC11-214	**I135623**	19	68	<2	<0.2	0.007	1.49	4	<10	20	<0.5	<2	2.27	<0.5	24	2	4.14	<10	<1	0.06	<10	2.55	666	14	0.06	<1	170	2.7	<2	3	9	<20	<0.01	<10	<10	3	<10
KC11-214	**I135624**	23	59	2	<0.2	0.008	1.21	5	<10	20	<0.5	<2	3.05	<0.5	16	2	4.69	<10	<1	0.04	<10	2.71	740	4	0.05	<1	90	3.64	<2	3	11	<20	<0.01	<10	<10	3	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-215	**I135625**	6	448	<2	<0.2	0.005	1.16	3	<10	30	<0.5	<2	0.09	<0.5	3	1	1.79	<10	<1	0.1	<10	2.16	869	<1	0.03	<1	200	0.5	<2	2	3	<20	<0.01	<10	<10	2	<10
KC11-215	**I135626**	20	669	5	0.2	0.005	0.64	4	<10	30	<0.5	<2	0.09	<0.5	2	1	2.03	<10	<1	0.1	<10	2.53	1270	<1	0.03	2	180	0.63	<2	2	2	<20	<0.01	<10	<10	2	<10
KC11-215	**I135627**	106	591	3	0.4	0.01	0.28	5	<10	30	<0.5	<2	0.12	0.5	2	2	3.1	<10	<1	0.1	<10	1.67	484	<1	0.03	<1	170	2.49	<2	2	2	<20	<0.01	<10	<10	1	<10
KC11-215	**I135628**	54	560	<2	<0.2	0.008	0.2	3	<10	20	<0.5	<2	0.07	<0.5	2	1	2.08	<10	<1	0.07	<10	2.05	627	<1	0.02	<1	170	1.29	<2	2	2	<20	<0.01	<10	<10	1	<10
KC11-215	**I135629**	34	559	2	<0.2	0.009	0.26	3	<10	20	<0.5	2	0.1	<0.5	2	1	2.83	<10	<1	0.11	<10	1.74	528	<1	0.05	<1	160	2.38	<2	2	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135630**	405	601	13	0.9	0.03	0.24	7	<10	20	<0.5	2	0.13	3.1	1	1	4.13	<10	<1	0.11	<10	0.44	152	1	0.05	<1	350	4.43	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135631**	1715	2360	7	3	0.115	0.2	12	<10	10	<0.5	2	0.09	15.5	1	2	4.94	<10	<1	0.1	<10	0.06	40	2	0.04	1	120	5.77	<2	1	3	<20	<0.01	<10	<10	1	10
KC11-215	**I135632**	1320	351	7	2.5	0.092	0.15	7	<10	10	<0.5	2	0.09	1.8	1	1	5.5	<10	<1	0.08	<10	0.06	42	2	0.04	2	150	6.29	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135633D**	1360	290	5	2.5	0.091	0.18	11	<10	10	<0.5	3	0.1	1.5	1	2	5.38	<10	<1	0.09	<10	0.06	43	2	0.04	3	160	6.19	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135634**	1025	1120	4	1.4	0.052	0.21	6	<10	10	<0.5	2	0.12	4.5	1	2	5.47	<10	<1	0.09	<10	1.02	222	<1	0.04	<1	160	6.22	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135635**	15,100	30,000	2930	64	0.768	0.79	49	<10	20	<0.5	44	0.97	80.2	110	34	31.4	10	1	0.09	<10	1.18	597	7	0.04	10	80	>10.0	2	1	<1	<20	0.01	10	<10	11	40
KC11-215	**I135636**	1570	5190	14	2	0.078	0.18	8	<10	10	<0.5	<2	0.12	27.8	1	2	4.58	<10	1	0.1	<10	0.25	90	<1	0.04	<1	220	5.24	<2	1	3	<20	<0.01	<10	<10	<1	20
KC11-215	**I135637**	803	209	8	1.7	0.032	0.19	15	<10	20	<0.5	2	0.06	0.9	1	2	4.8	<10	<1	0.09	<10	0.05	27	1	0.05	<1	130	5.23	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135638**	9	13	<2	<0.2	<0.005	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	0.06	<10	1	<0.01	<10	1.83	46	<1	0.03	<1	40	0.14	<2	1	4980	30	<0.01	<10	<10	1	<10
KC11-215	**I135639**	1750	298	8	2.8	0.127	0.23	18	<10	20	<0.5	3	0.15	<0.5	3	2	8.25	<10	<1	0.09	<10	0.96	161	1	0.04	<1	150	9.81	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-215	**I135640**	33	563	3	<0.2	0.009	0.66	4	<10	40	<0.5	2	0.09	<0.5	2	2	1.9	<10	<1	0.1	<10	2.77	450	<1	0.06	<1	180	1.2	<2	2	6	<20	<0.01	<10	<10	2	<10
KC11-215	**I135641**	245	282	2	0.5	0.007	1.09	5	<10	10	<0.5	2	0.12	<0.5	2	2	2.05	<10	<1	0.07	<10	2.2	869	<1	0.05	<1	200	1.49	<2	2	6	<20	<0.01	<10	<10	1	<10
KC11-215	**I135642**	38	433	3	0.2	0.005	0.8	4	<10	40	<0.5	<2	0.08	<0.5	2	1	1.84	<10	<1	0.07	<10	2.05	689	<1	0.05	<1	180	1.26	<2	2	5	<20	<0.01	<10	<10	1	<10
KC11-215	**I135643**	117	615	4	0.4	0.011	0.27	9	<10	20	<0.5	2	0.17	<0.5	1	1	2.09	<10	<1	0.07	<10	3.34	903	1	0.05	<1	250	1.34	<2	2	6	<20	<0.01	<10	<10	3	<10
KC11-215	**I135644**	910	3120	12	3	0.061	0.17	18	<10	20	<0.5	<2	0.17	20.4	2	1	3.67	<10	1	0.07	<10	0.4	142	5	0.05	2	260	4.13	3	1	4	<20	<0.01	<10	<10	1	10
KC11-215	**I135645D**	910	3020	14	3	0.065	0.19	17	<10	20	<0.5	<2	0.16	19.9	2	1	3.73	<10	1	0.08	<10	0.4	134	5	0.05	2	260	4.19	<2	1	4	<20	<0.01	<10	<10	1	10
KC11-215	**I135646**	573	943	114	2.7	0.034	0.18	31	<10	10	<0.5	2	0.08	4.6	1	1	4.56	<10	<1	0.07	<10	0.82	201	3	0.04	<1	210	4.96	4	1	4	<20	<0.01	<10	<10	2	<10
KC11-215	**I135647**	170	381	58	1.1	0.016	0.25	24	<10	20	<0.5	2	0.08	0.9	1	2	3.68	<10	<1	0.08	<10	1.2	270	3	0.04	<1	270	3.89	3	1	4	<20	<0.01	<10	<10	2	<10
KC11-215	**I135648**	59	198	2	0.4	0.009	0.51	13	<10	10	<0.5	<2	0.08	<0.5	2	1	2.21	<10	<1	0.07	<10	1.42	263	1	0.05	1	290	2.15	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-215	**I135649**	107	218	3	0.6	0.011	1.02	28	<10	10	<0.5	<2	0.09	<0.5	1	1	1.88	<10	<1	0.05	<10	1.64	369	<1	0.06	<1	310	1.72	<2	2	7	<20	<0.01	<10	<10	1	<10
KC11-215	**I135650**	14	143	3	0.2	0.006	0.76	22	<10	10	<0.5	<2	0.07	<0.5	1	1	1.7	<10	<1	0.06	<10	1.01	200	<1	0.07	<1	270	1.65	<2	1	5	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135651**	23	93	3	0.3	0.008	0.5	20	<10	20	<0.5	<2	0.08	<0.5	2	1	5.33	<10	<1	0.08	<10	0.64	160	<1	0.05	<1	260	6.06	<2	1	4	<20	<0.01	<10	<10	2	<10
KC11-215	**I135652**	<1	3	<2	<0.2	<0.005	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	0.04	<10	<1	<0.01	<10	1.74	21	<1	0.04	<1	40	0.16	<2	1	6300	30	<0.01	<10	<10	<1	<10
KC11-215	**I135653**	163	146	5	1.4	0.013	1.04	12	<10	20	<0.5	4	0.22	<0.5	13	28	8.81	<10	<1	0.08	<10	1.43	361	9	0.04	19	400	>10.0	<2	2	14	<20	<0.01	<10	<10	19	<10
KC11-215	**I135654D**	164	145	5	1	0.014	1	10	<10	20	<0.5	4	0.17	<0.5	12	26	8.4	<10	1	0.07	<10	1.39	362	11	0.04	20	410	9.83	<2	2	6	<20	<0.01	<10	<10	18	<10
KC11-215	**I135655**	144	175	3	1	0.023	2.85	4	<10	10	<0.5	7	0.15	<0.5	59	108	12.1	10	1	0.02	<10	3.98	890	10	0.03	54	440	>10.0	<2	11	5	<20	<0.01	<10	<10	92	<10
KC11-215	**I135656**	49,900	22,700	1480	107	1.86	1.3	37	<10	10	<0.5	115	0.32	58.2	138	26	28.7	10	1	0.06	<10	1.44	361	4	0.03	3	80	>10.0	3	2	<1	<20	0.01	10	<10	13	30
KC11-215	**I135657**	77	285	6	0.9	0.021	2.14	30	<10	10	<0.5	5	0.22	4.1	54	88	10.85	<10	<1	0.02	<10	3.78	795	7	0.01	55	420	>10.0	3	8	4	<20	<0.01	<10	<10	69	<10
KC11-215	**I135658**	127	1705	4	1.1	0.038	2.55	23	<10	20	<0.5	3	0.26	37	41	112	12.7	10	<1	0.04	<10	3.17	839	15	0.04	62	660	>10.0	<2	6	5	<20	<0.01	<10	<10	73	10
KC11-215	**I135659D**	119	2030	4	1.4	0.038	2.61	24	<10	20	<0.5	4	0.26	45.3	41	116	12.85	10	<1	0.05	<10	3.18	801	14	0.04	64	650	>10.0	<2	7	5	<20	<0.01	<10	<10	75	10
KC11-215	**I135660**	144	250	<2	0.3	0.007	4.22	8	<10	10	<0.5	4	0.18	<0.5	41	131	9.27	10	<1	0.02	<10	4.94	1670	<1	0.03	46	430	5.22	<2	15	3	<20	<0.01	<10	<10	136	<10
KC11-215	**I135661**	65	141	3	0.2	0.012	4.86	18	<10	<10	<0.5	4	0.22	<0.5	112	156	16.5	10	<1	0.01	<10	5.26	1910	<1	0.03	53	490	>10.0	<2	19	2	<20	<0.01	<10	<10	154	<10
KC11-215	**I135662**	41	150	<2	<0.2	0.005	5.59	3	<10	<10	<0.5	2	0.14	<0.5	64	363	10.4	10	<1	<0.01	<10	6.18	1795	<1	0.03	126	340	4.94	<2	25	2	<20	0.01	<10	<10	168	<10
KC11-215	**I135663**	239	211	<2	0.2	0.005	5.16	6	<10	<10	<0.5	3	0.38	<0.5	80	442	9.97	10	<1	<0.01	<10	6.39	1885	<1	0.02	180	330	4.89	<2	25	3	<20	0.01	<10	<10	157	<10
KC11-215	**I135664**	41	157	<2	<0.2	<0.005	5.1	10	<10	10	<0.5	3	0.13	<0.5	54	223	10.65	10	<1	0.02	<10	5.43	1580	<1	0.02	82	420	6.29	<2	19	1	<20	<0.01	<10	<10	149	<10
KC11-215	**I135665**	122	129	3	0.8	0.015	2.04	8	<10	20	<0.5	2	0.19	<0.5	44	29	12.05	10	<1	0.07	<10	2.28	620	26	0.02	13	410	>10.0	<2	4	5	<20	<0.01	<10	<10	30	<10
KC11-215	**I135666**	24	29	3	0.4	0.008	0.4	2	<10	30	<0.5	2	0.09	<0.5	21	1	5.49	<10	<1	0.08	<10	0.97	245	5	0.02	1	210	5.12	<2	1	6	<20	<0.01	<10	<10	2	<10
KC11-215	**I135667**	12	43	<2	0.2	0.007	0.29	<2	<10	30	<0.5	2	0.08	<0.5	10	2	4.2	<10	<1	0.09	<10	1.6	366	2	0.03	<1	210	3.17	<2	1	9	<20	<0.01	<10	<10	2	<10
KC11-215	**I135668**	12	46	2	0.3	0.005	0.23	<2	<10	20	<0.5	2	0.08	<0.5	11	1	5.1	<10	<1	0.08	<10	1.46	318	1	0.03	<1	210	4.37	<2	1	8	<20	<0.01	<10	<10	2	<10
KC11-215	**I135669**	16	31	<2	0.4	0.006	0.29	4	<10	30	<0.5	2	0.07	<0.5	12	4	4.2	<10	<1	0.11	<10	0.82	193	5	0.03	5	200	3.87	<2	1	6	<20	<0.01	<10	<10	3	<10
KC11-215	**I135670**	28	108	3	0.3	0.012	0.35	8	<10	30	<0.5	<2	0.11	<0.5	24	31	7.47	<10	<1	0.08	<10	2.66	822	10	0.03	28	230	5.96	<2	3	14	<20	<0.01	<10	<10	25	<10
KC11-215	**I135671**	32	216	3	0.3	0.008	0.51	9	<10	30	<0.5	<2	0.15	<0.5	22	31	8.12	<10	1	0.08	<10	4.08	863	5	0.03	26	210	5.54	<2	4	9	<20	<0.01	<10	<10	19	<10
KC11-215	**I135672**	32	92	2	0.3	0.01	0.21	23	<10	40	<0.5	<2	0.06	<0.5	12	1	4.2	<10	<1	0.08	<10	0.96	226	10	0.02	2	110	3.97	2	1	5	<20	<0.01	10	<10	1	<10
KC11-215	**I135673**	66	13	<2	0.2	0.016	0.21	17	<10	30	<0.5	<2	0.07	<0.5	22	1	5.83	<10	<1	0.09	<10	0.08	48	13	0.03	5	170	6.59	<2	<1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135674**	119	23	2	0.3	0.01	0.22	29	<10	40	<0.5	<2	0.07	<0.5	27	3	5.93	<10	<1	0.11	<10	0.22	75	12	0.02	15	260	6.43	<2	1	3	<20	<0.01	<10	<10	3	<10
KC11-215	**I135675D**	105	24	<2	0.2	0.01	0.23	28	<10	40	<0.5	<2	0.07	<0.5	26	2	5.81	<10	<1	0.12	<10	0.23	85	12	0.02	15	270	5.77	<2	1	3	<20	<0.01	<10	<10	3	<10
KC11-215	**I135676**	338	67	3	0.4	0.009	0.28	11	<10	30	<0.5	<2	0.09	<0.5	37	28	8.82	<10	<1	0.12	<10	0.86	226	13	0.02	44	340	8.32	<2	3	6	<20	<0.01	<10	<10	22	<10
KC11-215	**I135677**	1690	64	4	1	0.011	2.04	26	<10	60	<0.5	<2	0.12	0.9	40	109	11.65	10	<1	0.09	<10	3.34	726	3	0.04	55	420	7.39	2	9	27	<20	<0.01	<10	<10	89	<10
KC11-215	**I135678**	248	70	4	0.4	0.005	4.92	10	<10	30	<0.5	<2	0.08	<0.5	59	277	13.3	10	1	0.04	<10	5.05	1070	1	0.01	115	310	7.13	<2	15	5	<20	0.01	<10	<10	142	<10
KC11-215	**I135679**	10	2	<2	<0.2	<0.005	0.09	2	<10	<10	<0.5	<2	>25.0	<0.5	1	4	0.15	<10	1	0.01	<10	1.88	43	<1	0.02	3	50	0.15	<2	<1	4610	20	<0.01	<10	10	3	<10
KC11-215	**I135680**	1345	170	7	1	0.009	3.06	18	<10	40	<0.5	<2	0.16	0.6	48	208	12.65	10	<1	0.04	<10	5.28	1000	2	0.02	110	320	7.25	<2	15	17	<20	<0.01	<10	<10	127	<10
KC11-215	**I135681**	82	19	3	0.4	0.014	0.22	10	<10	40	<0.5	<2	0.12	<0.5	24	3	6.39	<10	<1	0.11	<10	0.16	53	9	0.02	1	360	7.23	<2	1	5	<20	<0.01	<10	<10	2	<10
KC11-215	**I135682**	261	330	3	1.4	0.02	0.2	17	<10	30	<0.5	<2	0.08	4.8	37	1	7.51	<10	<1	0.09	<10	0.04	24	18	0.02	<1	230	8.71	<2	<1	7	<20	<0.01	<10	<10	1	<10
KC11-215	**I135683**	42	21	<2	0.3	0.008	0.21	18	<10	50	<0.5	<2	0.12	<0.5	14	1	4.96	<10	<1	0.1	<10	0.03	19	6	0.02	<1	500	5.2	<2	<1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135684**	47	9	2	0.3	0.01	0.2	20	<10	50	<0.5	<2	0.08	<0.5	21	1	4.49	<10	<1	0.11	<10	0.03	19	10	0.02	<1	330	4.7	<2	<1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135685**	250	6	2	0.6	0.005	0.19	76	<10	50	<0.5	<2	0.06	<0.5	25	1	5.64	<10	<1	0.1	<10	0.02	17	17	0.02	<1	240	6.37	<2	<1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135686**	170	11	6	0.5	<0.005	0.24	41	<10	30	<0.5	<2	0.04	0.5	51	1	9.77	<10	<1	0.11	<10	0.03	27	22	0.03	<1	180	>10.0	<2	<1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135687D**	166	10	4	0.5	<0.005	0.2	44	<10	30	<0.5	<2	0.04	<0.5	50	1	9.67	<10	<1	0.09	<10	0.03	20	22	0.02	<1	180	>10.0	<2	<1	2	<20	<0.01	<10	<10	1	<10
KC11-215	**I135688**	102	104	3	0.2	0.006	0.23	9	<10	30	<0.5	2	0.06	<0.5	33	1	7.13	<10	<1	0.1	<10	0.26	94	12	0.03	<1	190	7.96	<2	<1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135689**	44	284	2	0.2	<0.005	0.24	6	<10	30	<0.5	<2	0.06	<0.5	16	1	4.02	<10	<1	0.09	<10	0.92	265	4	0.02	<1	220	3.36	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135690**	34	168	2	0.2	<0.005	0.25	3	<10	40	<0.5	<2	0.11	<0.5	11	1	3.62	<10	<1	0.1	<10	0.66	189	5	0.03	3	410	3.27	<2	1	3	<20	<0.01	<10	<10	1	<10
KC11-215	**I135691**	52	232	4	0.3	<0.005	0.28	<2	<10	30	<0.5	<2	0.11	<0.5	10	6	3.96	<10	<1	0.09	<10	1.07	352	3	0.03	13	390	3.33	<2	1	5	<20	<0.01	<10	<10	4	<10
KC11-215	**I135692**	1765	167	5	2.1	0.005	0.32	7	<10	20	<0.5	<2	0.11	0.6	1	1	4.03	<10	<1	0.08	<10	1.35	472	2	0.03	<1	280	3.55	<2	1	5	<20	<0.01	<10	<10	1	<10
KC11-215	**I135693**	14,650	29,700	2880	67	0.861	0.73	53	<10	20	<0.5	43	0.93	77.5	131	33	33	10	2	0.08	<10	1.16	583	12	0.02	8	80	>10.0	8	1	4	<20	0.01	10	<10	12	20
KC11-215	**I135694**	116	64	5	0.6	0.005	0.75	4	<10	50	<0.5	<2	0.1	<0.5	5	1	2.89	<10	<1	0.08	<10	1.01	326	2	0.05	<1	330	2.56	<2	1	7	<20	<0.01	<10	<10	1	<10
KC11-215	**I135695**	149	50	4	0.7	0.006	0.57	7	<10	30	<0.5	<2	0.08	<0.5	1	1	2.69	<10	<1	0.06	<10	1.03	300	2	0.04	<1	290	2.49	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-215	**I135696**	26	37	3	0.3	0.006	0.73	5	<10	30	<0.5	3	0.21	<0.5	3	1	1.92	<10	1	0.09	<10	0.88	283	<1	0.08	<1	460	1.68	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-215	**I135697**	81	79	9	1.6	0.021	0.64	15	<10	70	<0.5	3	0.25	<0.5	4	1	2.99	<10	1	0.1	<10	0.93	434	4	0.08	<1	390	2.87	2	1	8	<20	<0.01	<10	<10	1	<10
KC11-215	**I135698**	77	70	8	1.5	0.014	0.59	11	<10	70	<0.5	2	0.23	<0.5	4	1	2.87	<10	1	0.09	<10	0.82	353	4	0.07	<1	380	2.78	<2	1	8	<20	<0.01	<10	<10	1	<10
KC11-215	**I135699**	94	914	11	1	0.011	0.92	14	<10	50	<0.5	4	0.26	8.3	4	1	3.09	<10	<1	0.1	<10	1.41	554	2	0.09	<1	470	3.02	2	2	7	<20	<0.01	<10	<10	1	<10
KC11-215	**I135700**	89	1015	9	0.6	0.013	0.48	11	<10	70	<0.5	3	0.23	5.6	1	1	2.47	<10	1	0.1	<10	0.79	390	1	0.07	<1	180	2.43	<2	1	6	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135701**	86	951	9	0.6	0.013	0.5	9	<10	70	<0.5	2	0.22	5.2	1	2	2.64	<10	1	0.1	<10	0.82	402	1	0.07	<1	180	2.5	<2	1	6	<20	<0.01	<10	<10	1	<10
KC11-215	**I135702**	35	567	70	0.5	0.011	0.46	10	<10	60	<0.5	2	0.21	2.8	1	1	1.96	<10	<1	0.09	<10	0.89	382	1	0.06	<1	240	1.86	2	1	5	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135703**	26	156	70	0.7	0.012	0.39	10	<10	30	<0.5	3	0.25	<0.5	1	2	2.04	<10	<1	0.08	<10	0.83	391	1	0.07	<1	320	1.81	2	1	6	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135704**	355	1055	11	1.9	0.021	0.56	12	<10	30	<0.5	<2	0.18	6.5	1	1	2.72	<10	1	0.08	<10	1.6	677	<1	0.07	<1	210	2.66	<2	2	5	<20	<0.01	<10	<10	1	<10
KC11-215	**I135705**	118	1030	32	0.8	0.016	0.45	12	<10	30	<0.5	2	0.17	5.2	1	2	2.8	<10	1	0.1	<10	1.15	548	1	0.06	<1	240	2.63	2	1	5	<20	<0.01	<10	<10	1	<10
KC11-215	**I135706**	626	2150	19	1.3	0.028	0.54	17	<10	20	<0.5	3	0.18	10.3	2	2	2.94	<10	1	0.08	<10	1.04	591	2	0.08	<1	330	2.9	3	1	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135707**	14,450	29,200	2580	67	0.691	0.69	48	<10	10	<0.5	54	0.87	70.8	114	29	30.6	10	2	0.08	<10	1.08	538	8	0.02	6	70	>10.0	8	1	3	<20	0.01	10	<10	9	20
KC11-215	**I135708**	449	1990	6	0.7	0.019	0.71	6	<10	10	<0.5	<2	0.26	10.6	2	4	2.57	<10	<1	0.07	<10	1.56	885	3	0.06	<1	520	2.24	<2	2	6	<20	<0.01	<10	<10	1	<10
KC11-215	**I135709**	340	2900	6	1	0.02	0.53	10	<10	10	<0.5	3	0.16	13.6	1	1	2.2	<10	1	0.08	<10	0.65	309	3	0.07	<1	450	2.22	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135710**	141	1665	44	1.3	0.015	0.47	15	<10	10	<0.5	2	0.1	7.6	1	2	1.92	<10	<1	0.09	<10	0.72	356	2	0.06	<1	240	1.83	<2	1	3	<20	<0.01	<10	<10	<1	<10
KC11-215	**I135711**	28	196	32	0.3	<0.005	0.61	5	<10	10	<0.5	2	0.1	0.5	1	1	1.45	<10	1	0.08	<10	0.86	331	1	0.08	<1	280	1.3	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135712**	16	153	4	<0.2	<0.005	0.67	3	<10	10	<0.5	3	0.15	<0.5	<1	3	1.61	<10	<1	0.07	<10	1.26	514	1	0.09	<1	380	1.29	<2	1	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135713**	<1	3	<2	<0.2	<0.005	0.04	<2	<10	<10	<0.5	2	>25.0	<0.5	<1	<1	0.05	<10	1	<0.01	<10	1.76	41	<1	0.03	<1	50	0.08	<2	<1	5560	20	<0.01	<10	<10	1	<10
KC11-215	**I135714**	24	260	3	0.2	0.005	0.56	3	<10	10	<0.5	2	0.17	1.1	1	3	1.59	<10	1	0.06	<10	1.41	470	1	0.09	<1	430	1.26	<2	2	8	<20	<0.01	<10	<10	1	<10
KC11-215	**I135715**	37	251	3	0.2	0.005	0.39	7	<10	10	<0.5	2	0.18	0.6	1	1	1.46	<10	<1	0.04	<10	1.65	424	<1	0.11	<1	480	1.15	<2	2	6	<20	<0.01	<10	<10	1	<10
KC11-215	**I135716**	14	215	2	<0.2	<0.005	0.31	3	<10	10	<0.5	3	0.16	<0.5	1	3	1.56	<10	<1	0.05	<10	1.57	416	1	0.09	<1	420	1.09	<2	2	4	<20	<0.01	<10	<10	1	<10
KC11-215	**I135717**	21	385	<2	<0.2	0.006	0.45	2	<10	20	<0.5	2	0.15	<0.5	1	1	1.77	<10	<1	0.08	<10	2.05	673	<1	0.08	<1	250	1.24	<2	2	5	<20	<0.01	<10	<10	<1	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KCC11-219	**I135781**	10	76	2	<0.2	<0.005	1.27	2	<10	100	<0.5	<2	1.62	<0.5	3	4	2.36	<10	<1	0.13	10	1.21	263	<1	0.04	3	220	0.01	2	4	51	<20	<0.01	<10	<10	7	<10
KCC11-219	**I135782**	17	85	2	0.2	<0.005	1.92	<2	<10	90	<0.5	<2	2.06	<0.5	3	5	2.52	<10	<1	0.09	<10	1.23	280	<1	0.07	6	450	0.11	<2	4	38	<20	<0.01	<10	<10	8	<10
KCC11-219	**I135783**	104	221	24	1.2	<0.005	1.25	34	<10	70	<0.5	<2	2.58	1.1	4	7	5.71	<10	<1	0.08	<10	1.29	348	15	0.04	29	700	4.28	<2	4	55	<20	<0.01	<10	<10	32	<10
KCC11-219	**I135784**	146	499	41	2.7	0.01	0.92	123	<10	30	<0.5	<2	1.87	3.3	13	9	11.5	<10	<1	0.13	<10	0.76	309	43	0.04	71	1510	>10.0	4	3	35	<20	<0.01	<10	<10	72	<10
KCC11-219	**I135785**	108	439	20	0.8	0.009	0.63	33	<10	110	<0.5	<2	2.6	3.1	7	10	3.71	<10	<1	0.11	10	0.79	319	26	0.06	49	3270	2.96	2	3	38	<20	<0.01	<10	<10	44	<10
KCC11-219	**I135786**	159	305	21	1.1	0.006	0.8	58	<10	70	<0.5	<2	2.64	1.7	17	4	8.97	<10	<1	0.11	<10	1.43	471	29	0.04	46	900	7.51	2	3	35	<20	<0.01	<10	<10	32	<10
KCC11-219	**I135787**	52	103	7	0.5	0.006	0.68	16	<10	90	<0.5	<2	1.38	<0.5	10	1	4.59	<10	<1	0.11	<10	1.33	262	11	0.04	8	40	2.95	<2	3	18	<20	<0.01	<10	<10	8	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KCC11-220	**I135788**	1	9	<2	<0.2	<0.005	0.14	<2	<10	20	<0.5	<2	0.1	<0.5	<1	<1	0.28	<10	<1	0.02	<10	0.07	38	<1	0.01	<1	50	0.02	2	<1	3	<20	<0.01	<10	<10	1	<10
KCC11-220	**I135789**	21	102	2	0.2	<0.005	1.7	2	<10	60	<0.5	<2	2.3	<0.5	4	8	2.73	<10	<1	0.07	10	1.21	305	<1	0.05	8	420	1.92	<2	5	48	<20	<0.01	<10	<10	12	<10
KCC11-220	**I135790**	24	112	6	0.3	<0.005	1.54	4	<10	200	<0.5	<2	1.91	<0.5	2	3	2.92	<10	<1	0.1	10	1.34	311	5	0.07	9	330	2.34	<2	4	46	<20	<0.01	<10	<10	9	<10
KCC11-220	**I135791**	129	273	25	1.6	<0.005	0.44	40	<10	60	<0.5	<2	1.9	1.7	19	4	9.03	<10	<1	0.11	<10	1.01	321	14	0.03	46	380	8.18	3	4	26	<20	<0.01	<10	<10	46	<10
KCC11-220	**I135792**	69	146	<2	0.4	<0.005	1.1	4	<10	90	<0.5	<2	3.84	<0.5	19	<1	5.52	<10	<1	0.09	<10	1.61	564	2	0.1	31	560	3.21	<2	10	48	<20	<0.01	<10	<10	48	<10
KCC11-220	**I135793**	46	131	<2	<0.2	<0.005	3.28	6	<10	30	<0.5	<2	4.1	<0.5	19	2	6.17	10	<1	0.05	<10	1.81	526	<1	0.06	29	630	0.78	<2	19	48	<20	<0.01	<10	<10	147	<10
KCC11-220	**I135794**	96	211	<2	0.2	<0.005	2.35	2	<10	60	<0.5	<2	3.98	1.3	14	1	4.81	<10	<1	0.11	<10	1.62	608	32	0.06	49	220	1.04	<2	10	52	<20	<0.01	<10	<10	53	<10

DRILLHOLE NUMBER	SAMPLE NUMBER	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
KC11-221	**I135795**	122	548	15	0.5	<0.005	1.82	2	<10	100	<0.5	<2	2.29	5.5	4	14	2.87	<10	<1	0.1	10	1.52	353	55	0.08	44	2870	1.68	<2	6	32	<20	<0.01	<10	10	78	<10
KC11-221	**I135796**	33	123	6	0.3	<0.005	1.76	3	<10	70	<0.5	<2	2.99	0.5	4	4	2.63	<10	<1	0.06	10	1.61	501	11	0.1	8	640	1.43	<2	6	44	<20	<0.01	<10	<10	13	<10
KC11-221	**I135797**	127	437	30	1	<0.005	0.78	22	<10	100	<0.5	<2	3.18	3.3	5	10	3.26	<10	<1	0.1	10	0.58	364	41	0.03	51	2080	2.48	<2	3	49	<20	<0.01	<10	<10	57	<10
KC11-221	**I135798**	106	294	17	0.7	0.005	0.26	5	<10	50	<0.5	4	0.38	2	6	10	8.69	<10	<1	0.06	<10	0.17	334	25	0.02	44	250	5.12	2	2	6	<20	<0.01	<10	<10	44	<10
KC11-221	**I135799**	87	241	11	0.7	<0.005	0.17	4	<10	40	<0.5	4	0.14	1.8	7	8	7.67	<10	1	0.05	10	0.09	198	27	0.01	39	190	5.16	<2	1	3	<20	<0.01	<10	<10	26	<10
KC11-221	**I135800**	19	114	5	<0.2	<0.005	0.84	2	<10	50	<0.5	2	2.41	<0.5	1	4	3.79	<10	<1	0.1	10	1.39	673	2	0.08	8	190	1.85	<2	3	25	<20	<0.01	<10	<10	4	<10
KC11-221	**I135801**	88	528	30	0.3	0.01	1	4	<10	80	<0.5	3	4.44	3.8	3	9	4.42	<10	1	0.14	10	1.48	754	42	0.06	75	2380	2.39	2	4	40	<20	<0.01	<10	10	47	<10
KC11-221	**I135802**	121	186	3	0.2	<0.005	1.6	22	<10	50	<0.5	2	7.1	<0.5	64	6	5.31	<10	1	0.1	10	1.78	929	18	0.06	88	1040	2.06	<2	5	97	<20	<0.01	<10	<10	44	<10
KC11-221	**I135803**	166	580	6	0.4	0.005	0.45	47	<10	80	<0.5	2	4.51	5.7	99	5	6.45	<10	1	0.13	10	1.47	871	24	0.06	122	2120	3.51	2	3	38	<20	<0.01	<10	<10	25	<10
KC11-221	**I135804**	65	157	3	<0.2	<0.005	0.28	4	<10	30	<0.5	3	10.5	0.5	22	1	3.9	<10	1	0.05	<10	1.56	1370	7	0.08	19	930	1.19	<2	6	112	<20	<0.01	<10	<10	14	<10
KC11-221	**I135805**	93	105	2	<0.2	<0.005	1.67	<2	<10	10	<0.5	2	6.65	<0.5	34	1	6.26	<10	<1	0.02	<10	1.65	1295	1	0.11	4	360	1.49	2	18	65	<20	<0.01	<10	<10	81	<10